VIMA

RK-300

Owner's Manual

Roland®

WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

ATTENTION: RISQUE DE CHOC ELECTRIQUE NE PAS OUVRIR

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

INSTRUCTIONS PERTAINING TO A RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS.

IMPORTANT SAFETY INSTRUCTIONS
SAVE THESE INSTRUCTIONS

WARNING - When using electric products, basic precautions should always be followed, including the following:

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any of the ventilation openings. Install in accordance with the manufacturers instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

For the U.K.

WARNING: THIS APPARATUS MUST BE EARTHED
IMPORTANT: THE WIRES IN THIS MAINS LEAD ARE COLOURED IN ACCORDANCE WITH THE FOLLOWING CODE.
GREEN-AND-YELLOW: EARTH, BLUE: NEUTRAL, BROWN: LIVE

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured GREEN-AND-YELLOW must be connected to the terminal in the plug which is marked by the letter E or by the safety earth symbol ⏚ or coloured GREEN or GREEN-AND-YELLOW.

The wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or coloured BLACK.

The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured RED.

Before using this unit, carefully read the sections entitled: "IMPORTANT SAFETY INSTRUCTIONS," "USING THE UNIT SAFELY" (p. 14), and "Important Notes" (p. 17).

These sections provide important information concerning the proper operation of the unit. Additionally, in order to feel assured that you have gained a good grasp of every feature provided by your new unit, owner's manual should be read in its entirety. The manual should be saved and kept on hand as a convenient reference.

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Look at All You Can Do with the VIMA

The VIMA is a new concept of keyboard that allows even musically inexperienced people to connect a LCD television, video camera, portable audio player, or other devices, and enjoy music and video.

Enjoy Full-Fledged Piano Playing

"Progressive Hammer Action II" (PHAII) keyboard delivers the playing touch characteristic of a piano, letting you enjoy full-fledged piano performance with a playing feel like that of a grand piano.

You can also...

Use "Piano Designer" to Customize Your Piano Sound p. 48

This feature simulates the sound and expressive power of the grand piano, including aspects such as the sympathetic resonance of the piano strings, the way in which the sound is affected by the opened or closed position of the piano lid, and the subtle sounds that occur when the damper pedal is pressed to release the strings. You can create your own personalized piano sound by adjusting these factors to your taste.

Enjoy Performing with a Variety of Sounds p. 44, p. 61, p. 64

In addition to piano sounds, a variety of carefully selected sounds for manual playing is also built-in. There are also dedicated sounds specifically for use with the "Layer" function (which lets you combine sounds), or with the "Split" function, which lets you play different sounds in the left and right hands.

Enjoy Performing along With a Song p. 93

You can play along with internal songs, or songs from USB memory, CD-ROM, or a music CD.

You can also silence the melody part and play the melody yourself, or reduce the volume of the melody and use it as a guide for your own performance.

Use "ANIME" to Add Movement to Video p. 128

"ANIME" is a special effect that displays graphics or text on the screen in synchronization with your keyboard playing or the song playback; the graphics or text will move around the screen and gradually disappear.

This can be a way of enhancing the visual impact when you're performing along with a song or along with a slide show or DVD video.

Apply Dedicated Vocal Effects to Enhance Your Singing

You can connect two microphones and perform a duet with someone else. You can also add automatic harmony simply by singing along with a song, add standard effects such as echo, or use the "Transformer" effect to convert your voice into someone else's voice.

You can also...

Enjoy Singing Together p. 101

A television connected to the RK-300 can display lyrics or musical notation, allowing you to enjoy full-fledged karaoke at home. You can adjust the speed (tempo) of the song for comfortable singing, and transpose the key of the song to fit the pitch of the singer.

Enjoy Karaoke with Music CDs p. 110

You can minimize the vocal sounds of a commercially available music CD, and use it for karaoke enjoyment.

Sing Backed by a Slide Show p. 114

You can watch a slide show on your television while enjoying karaoke with the song that's playing.

Expand your karaoke repertoire by using VIMA TUNES (CD-ROMs produced for VIMA) that contain lyrics and image data.

Import Songs from a Music CD p. 82
Convert Your Own Performances Into Audio Files p. 146

The RK-300 is able to play back audio files.

Songs from a music CD can also be imported into the RK-300 as audio files.

You can overdub your own performances while you play back the imported audio file.

Your recorded performance can be saved as an audio file, and then played back on your portable audio player.

Connect a Guitar or Electronic Drums, and Enjoy Ensemble Performance

You can connect a guitar to the MIC 1/GTR jack, apply dedicated guitar effects, and enjoy performing.

You could also connect electronic drums, and enjoy performing in a band that combines vocals, keyboard, guitar, and drums.

You can also...

Turn Your Ensemble Into a Music CD p. 154

While playing back a song, you can view music notation on your television, and enjoy ensemble performance with vocal, guitar, keyboard, or drums.

You can copy your ensemble performances to CD as audio recordings, and then finalize the disc to complete your music CD.

Enjoy Video Along with Music

You can enjoy performing or listening to music while watching video on the large screen of a television connected to the RK-300.

Enjoy DVD Video p. 124

You can enjoy video from a DVD or a video-capable portable audio player. Switching video to match the character of the song you're performing is as easy as pressing a button.

Enjoy a Slide Show Using Your Own Photos p. 120

In addition to enjoying a slide show by playing back a song that includes image data, you can also enjoy a slide show with photos of your vacation or family.

Enjoy the Music Visually With the Piano Roll Screen p. 130

The on-screen keyboard can automatically move according to the notes while a song plays, or you can watch a visual representation of the pitch and duration of the notes. This means that you can enjoy music not just with your ears, but also with your eyes.

Introduction

Thank you, and congratulations on your choice of the VIMA (RK-300). To ensure that you obtain the maximum enjoyment and take full advantage of the VIMA's functionality, please read this owner's manual carefully.

Conventions in this Manual

In order to explain the operations as clearly as possible, this manual uses the following conventions.

- Text enclosed in square brackets [ ] indicates the name of a button or a knob, such as the [ECHO] button, [VOLUME] knob.
- Text enclosed in angle brackets < > indicates text that appears in the screen, such as <Menu>.
- For ease of reading, some of the screen illustrations use color that differs from the actual screen of the RK-300. Please be aware that these may differ from the appearance of the actual screen.
- When the manual instructs you to "touch" something, it means that you should touch that location in the touch panel screen.
- Lines that begin with **NOTE** or an asterisk * are cautionary statements that you must be sure to read.
- The numbers of pages that you can turn to for additional, related information are given like this: (p. **).
- This document uses screen shots for explanatory purposes. Please be aware that the settings in these explanatory screen shots may not match the actual factory settings (Tone names, etc.).

Contents

Look at All You Can Do with the VIMA 4

Introduction 7

Conventions in this Manual 7

USING THE UNIT SAFELY 14

Important Notes 17

Names of Things and What They Do 20

Front Panel 20
Rear Panel 23
Main Screen 24

Getting Ready 26

Placing the RK-300 on a Stand 26
If Using the KSC-48 Stand 26
If Using the KS-G8 Stand 27
Getting Ready to Play 28
Connecting the Power Cords (Main Unit/Stand) 28
Connecting the Speaker Cable 28
Connecting the Piano Pedal 29
Connecting the DP-10 29
Attaching a CD Drive 30
Attaching the Music Rest 32
Connecting User Memory 32
Turning the Power On/Off 33
Adjusting the Volume 34
Formatting the User Memory 34
Locking the USER MEMORY Connector Cover 35
Installing Batteries in the Remote 35
Copying Songs from the Included CD to “Favorites” 36
Connecting External Memory 36
Adjusting the Brightness of the Screen 37
Listening Through Headphones 38
Attaching the Headphone Hook 38
Connecting an External Display or a Television 39
Connecting a Television 39
Connecting an External Display 39
Selecting the Video Output Destination 40
Switching Off Your Television or External Display 40
Using the RK-300’s Display to Check the Image Shown on the External Display (Video Monitor) 41
Experiencing the RK-300 Demo 42

Performing 44

Playing the Piano 44
- Selecting a Sound 44
- Changing the Brightness of the Sound (Brilliance) 45
- Adding Reverberation (Reverb) 46
- Adding Liveliness to the Sound (Dynamics) 47

Creating Your Own Piano Sound (Piano Designer) 48
- Adjusting Resonance when the Damper Pedal is Depressed (Damper Resonance) 50
- Adjusting the Sound Heard at String Release When the Damper Pedal is Depressed (Damper Noise) 50
- Adjusting the Sympathetic Vibrations of an Acoustic Piano's Duplex Scale (Duplex Scale) 50
- Producing the Resonance of the Strings when the Keys Are Played (String Resonance) 51
- Playing Sounds When the Keys Are Released (Key Off Resonance) 51
- Tuning to Other Instruments' Pitches (Master Tuning) 51
- Changing the Tuning (Temperament) 52
- Setting the Tuning Curve (Stretch Tuning) 52
- Adjusting the Keyboard Touch (Key Touch) 53
- Changing the Timing of Sounds According to the Force Used to Press the Keys (Hammer Response) 53
- Adjusting the Sound of Hammers Striking Strings (Hammer Noise) 54
- Opening or Closing the Lid to Change the Resonance (Lid) 54

Playing Various Sounds 55
- Playing Sound Effects or Percussion Instruments from the Keyboard 55
- Performing with Your Favorite Sounds (User Tones) 57
- Dividing the Keyboard for Two-person Performance (Twin Piano) 60
- Layering Two Sounds (Layer Performance) 61
- Playing Different Tones with the Left and Right Hands (Split Performance) 64
- Using the D Beam Controller for Additional Enjoyment 67

Playing Back Songs 69

Songs You Can Listen to on the RK-300 69

Listening to Internal Songs 70

Listening to Songs from CD 72

Listening to Songs from USB Memory 76

Deleting a Song from USB Memory 79

Registering a Song in "Favorites" (Copy) 80
- Copying Songs from Internal Memory/ USB Memory/ CD-ROM to "Favorites" 80
- Copying Songs from a Music CD to "Favorites" 82

Listening to Songs Copied in "Favorites" 85

Deleting a Song from "Favorites" 87

Changing the Tempo (Playback Speed) of a Song 88
- Playing Back at a Fixed Tempo (Tempo Mute) 89

Using the Remote 90
- Using the Remote 90
- Button Functions 91

Playing Along with a Song **93**

Performing while You Watch a Notation (DIGISCORE) 93
Performing with Sounds that Match the Song (Recommended Tones) 95
Sounding a Count to Keep Your Timing Accurate....96
Adjusting the Volume Balance Between the Song and Keyboard 98
Silencing a Song's Melody and Playing it Yourself (Mute)....99
Decreasing the Melody Volume of a Song (Guide) 100

Singing Along with the VIMA **101**

Connecting a Microphone....101
Adjusting the Volume of the Microphone....102
Viewing Lyrics 103
Applying an Effect to Your Voice (Vocal Effect) 104
Adding Harmony to Match the Song 104
Modifying Your Voice (Transformer)....105
Using the Control Pedal to Turn an Effect On/Off....106
Adding Echo to Vocals (ECHO)....108
Changing the Song to a Key that's Comfortable for Singing (KEY CONTROL) 109
Enjoying Karaoke with a Music CD (CENTER CANCEL) 110
Muting the Melody of an Internal Song or Music Files for a Sing-along (Mute) 111
Decreasing the Melody Volume of a Song (Guide) 112

Enjoying Music and Video **113**

Playing Photos Automatically (Slide Show) 114
Enjoying a Slide Show Along with Internal Songs or VIMA TUNES 114
Selecting the Type of Photo Used for the Slide Show (Picture Category)....115
Watching a Slide Show with Digital Camera Photos 120
Watching a Slide Show with Photos Saved on USB Memory....122
Zooming or Panning the Image (Zoom/Pan) 123
Performing with a Background Image from a DVD Player 124
Enjoying Powerful Sound and Big-screen Playback from Your Portable Audio/Video Player 126
Having the Image Change According to Your Performance (ANIME) 128
Using the D Beam Controller to Vary the ANIME Effect 129
Watching the Notes while a Song Plays (Piano Roll)....130

Enjoying Ensemble Performance 132

Perform with a Connected Guitar ... 132
Basic Operation ... 132
Using a Guitar-type Effect ... 133
Applying Chorus/Reverb ... 134
Performing with Electronic Drums Connected ... 135
Enjoying Ensemble Performance with a Song ... 135
Performing while Viewing Chord Indications ... 135
Silencing or Reducing the Volume of a Specific Part (Part Mute) ... 136
Performing with the Metronome ... 137

Recording and Saving 139

SMF Recording ... 140
Recording Your Keyboard Performance ... 140
Recording a Performance You Played Along with a Song ... 142
Saving a Recorded Performance to "Favorites" ... 144
Audio Recording ... 146
Recording the Sound of Your Keyboard Performance or Ensemble ... 146
Layering Your Performance onto the Playback ... 149
Copying Songs from "Favorites" to USB memory ... 152

Creating a Music CD 154

Storing Your Sound Settings (User Program) 157

Storing a "User Program" ... 158
Selecting a "User Program" ... 160
Saving "User Programs" to USB Memory ... 161
Loading a File from USB Memory ... 164
Copying a File Between User Memory and External Memory ... 166
Deleting a Saved File ... 168
Using a Pedal to Switch the "User Program" ... 170

Settings 171

Controller Settings ... 171
Adjusting the Sensitivity of the D Beam Controller (D Beam Sensitivity) ... 171
Assigning Functions to Pedals (Left Pedal/Center Pedal) ... 171
Assigning Functions to Control Pedal (Control Pedal) ... 172
Using a Pedal to Switch the "User Program" ... 172
Player Settings ... 173
Continuous Playback (Play Mode) ... 173
Changing the Melody Channel (Melody Channel) ... 173
Playing Back at a Fixed Tempo (Tempo Mute) ... 173

Adjusting the Volume of the Audio Signal (Audio Play Level) ... 174
Adjusting the Audio Recording Level (Audio Recording Gain) ... 174
Video Settings ... 174
Using the Keyboard to Switch the Display (Piano Roll Split) ... 175
Specifying the Television Format (Video Type) ... 175
Selecting the Aspect Ratio of the Video Output (Video Output Aspect Ratio) ... 176
Selecting the Video Output Destination (Output Select) ... 176
Selecting the Screen That's Shown When the Video Output is Off (Blank Screen) ... 176
Notation Settings ... 177
Selecting the Part for which Notation will be Shown (Part) ... 177
Specifying the Timing with which Notation Display is to Begin (Start Position) ... 177
Selecting the Part Displayed in the Right-hand Notation (Upper) ... 177
Selecting the Part Displayed in the Left-hand Notation (Lower) ... 177
Displaying Note Names in the Score (Pitches) ... 177
Classic Type Piano Roll Screen Settings ... 178
Specifying the Color of the Piano (Cabinet) ... 178
Specifying the State of the Door of the Player Piano (Door) ... 178
Displaying Bar Lines and Measure Numbers (Measure Display) ... 178
Specifying How Notes are Shown (Gradation) ... 179
Specifying the Logo of the Piano (Logo) ... 179
Modern Type Piano Roll Screen Settings ... 179
Specifying the Direction in which the Piano Roll Screen Moves (Viewpoint) ... 180
Selecting the Background Image (Background) ... 180
Selecting the Foreground Image (Frame) ... 180
Specifying How Notes are Shown (Gradation) ... 180
Slide Show Settings ... 181
Selecting the Type of Slide Show (Type) ... 181
Selecting the Interval at which Images will Change (Interval) ... 181
Synchronizing the Slide Show and Song (Sync) ... 181
Selecting the Type of Photo Used for the Slide Show (Picture Category) ... 181
Vocal Settings ... 182
Switching the Type of Vocal Effect (Effect) ... 182
Adjusting the Volume of the Harmony (Harmony Level) ... 182
Adding a Backing Chorus to the Harmony (Backing Choir) ... 182
Adjusting the Volume of the Backing Choir (Backing Choir Level) ... 182
Selecting the Type of Mic Echo (Echo Type) ... 182
Adjusting the Mic Echo (Echo) ... 182
System Settings ... 183
Specifying What the Key Control Buttons will Affect (Key Control) ... 183
Changing the Language Displayed in the Screen (Language) ... 183
Adjusting the Brightness of the Display (Display Brightness) ... 183
Changing the Way in Which the Sound is Heard (Twin Piano Mode) ... 183
Changing the Velocity When the Key Touch is Set to "Fixed" (Fix Velocity) ... 184
Changing the Display Order of the Sound List (Tone Name Order) ... 184
Remote Control Settings ... 184
Disabling the Remote Control Unit (Remote Control) ... 185
Assigning Functions to the Remote's Buttons (FUNC 1, FUNC2) ... 185
CD and AUDIO/VIDEO PORT Settings ... 185
Setting the Type of CD to be Played Back (CD/Audio Type) ... 186
Synchronizing the Timing of the Piano and Accompaniment (CD/Audio Sync) ... 186

Specifying the Type of Signal at the AUDIO/VIDEO PORT (Audio Port Mode) 186
Synchronizing the Timing of the Signals from the Piano and the AUDIO/VIDEO PORT (Audio Port Sync) 186
MIDI Settings 187
Changing the MIDI Transmit Channel (Tx Channel) 187
Disconnecting the Internal Sound Generator and Keyboard (Local Control) 187
USB Settings 188
Changing the USB Driver Settings (USB Driver) 189
Changing the Communication Settings for User Memory (User Memory Mode) 189
Changing the Communication Settings for External Memory (Ext. Memory Mode) 189
Changing the Communication Settings for External Drive (Ext. Drive Mode) 189
Other Settings 190
Preparing a CD-R Disc for Playback on Another CD Player (Finalize) 190
Calibrating the Touch Screen (Touch Screen) 191
Initializing External Memory (Format External Memory) 192
Initializing User Memory (Format User Memory) 193
Restoring the Factory-Set Condition (Factory Reset) 194
Locking the Panel at the Current Settings (Panel Lock) 195

Connecting Other Equipment 196

Connecting Audio Equipment 196
Playing the RK-300 through Connected Speakers 196
Playing the Sound of an Audio Device through the RK-300 197
Connecting MIDI Equipment 198
Using a MIDI Sequencer to Play the RK-300 198
Playing a MIDI Sound Module from the RK-300 198
Connecting Your Computer 199
Using the V-LINK Function 200

Appendices 201

Troubleshooting 201
Error Messages 209
Tone List 210
Internal Song List 215
Music Files That the RK-300 Can Use 216
MIDI Implementation Chart 217
Specifications 218
Index 222

USING THE UNIT SAFELY

INSTRUCTIONS FOR THE PREVENTION OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS

About ⚠WARNING and ⚠CAUTION Notices

⚠WARNING	Used for instructions intended to alert the user to the risk of death or severe injury should the unit be used improperly.
⚠ CAUTION	Used for instructions intended to alert the user to the risk of injury or material damage should the unit be used improperly. * Material damage refers to damage or other adverse effects caused with respect to the home and all its furnishings, as well to domestic animals or pets.

About the Symbols

⚠	The △ symbol alerts the user to important instructions or warnings.The specific meaning of the symbol is determined by the design contained within the triangle. In the case of the symbol at left, it is used for general cautions, warnings, or alerts to danger.
	The ⃠ symbol alerts the user to items that must never be carried out (are forbidden). The specific thing that must not be done is indicated by the design contained within the circle. In the case of the symbol at left, it means that the unit must never be disassembled.
	The ● symbol alerts the user to things that must be carried out. The specific thing that must be done is indicated by the design contained within the circle. In the case of the symbol at left, it means that the power-cord plug must be unplugged from the outlet.

ALWAYS OBSERVE THE FOLLOWING

⚠WARNING

Safety grounding connection

Connect mains plug of this model to a mains socket outlet with a protective earthing connection.

Do not disassemble or modify

Do not open or perform any internal modifications on the unit.

Do not repair or replace parts

Do not attempt to repair the unit, or replace parts within it (except when this manual provides specific instructions directing you to do so).
Refer all servicing to your retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information" page.

Never install the unit in any of the following locations

- Subject to temperature extremes (e.g., direct sunlight in an enclosed vehicle, near a heating duct, on top of heat-generating equipment); or are
- Damp (e.g., baths, washrooms, on wet floors); or are
- Exposed to steam or smoke; or are
- Subject to salt exposure; or are
- Humid; or are
- Exposed to rain; or are
- Dusty or sandy; or are
- Subject to high levels of vibration and shakiness.

⚠WARNING

Use only a stand that is recommended

This unit should be used only with a stand that is recommended by Roland.

Do not place in an unstable location

When using the unit with a stand recommended by Roland, the stand must be carefully placed so it is level and sure to remain stable. If not using a stand, you still need to make sure that any location you choose for placing the unit provides a level surface that will properly support the unit, and keep it from wobbling.

Connect the power cord to an outlet of the correct voltage

The unit should be connected to a power supply only of the type described in the operating instructions, or as marked on the rear side of unit.

Use only the included power cord

You must use only the power cord included with the device. Do not use the included power cord with any other device.

Do not bend the power cord or place heavy objects on it

Do not excessively twist or bend the power cord, nor place heavy objects on it. Doing so can damage the cord, producing severed elements and short circuits. Damaged cords are fire and shock hazards!

⚠ WARNING

Avoid extended use at high volume

This unit, either alone or in combination with an amplifier and headphones or speakers, may be capable of producing sound levels that could cause permanent hearing loss. Do not operate for a long period of time at a high volume level, or at a level that is uncomfortable. If you experience any hearing loss or ringing in the ears, you should immediately stop using the unit, and consult an audiologist.

Do not insert foreign objects

Do not allow any objects (e.g., flammable material, coins, pins); or liquids of any kind (water, soft drinks, etc.) to penetrate the unit.

Turn off the power if an abnormality or malfunction occurs

Immediately turn the power off, remove the power cord from the outlet, and request servicing by your retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information" page when:

- The power-supply cord or the plug has been damaged; or
- If smoke or unusual odor occurs
- Objects have fallen into, or liquid has been spilled onto the unit; or
- The unit has been exposed to rain (or otherwise has become wet); or
- The unit does not appear to operate normally or exhibits a marked change in performance.

Do not allow children to use without supervision

In households with small children, an adult should provide supervision until the child is capable of following all the rules essential for the safe operation of the unit.

Do not drop or subject to strong impact

Protect the unit from strong impact.
(Do not drop it!)

Do not share an outlet with an unreasonable number of other devices

Do not force the unit's power-supply cord to share an outlet with an unreasonable number of other devices. Be especially careful when using extension cords—the total power used by all devices you have connected to the extension cord's outlet must never exceed the power rating (watts/amperes) for the extension cord. Excessive loads can cause the insulation on the cord to heat up and eventually melt through.

⚠ WARNING

Do not use overseas

Before using the unit in a foreign country, consult with your retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information" page.

Do not recharge, heat, or disassemble the batteries
Do not incinerate or submerge in water

Batteries must never be recharged, heated, taken apart, or thrown into fire or water.

Do not use a CD-ROM in an audio CD player or DVD player

DO NOT play a CD-ROM disc on a conventional audio CD player. The resulting sound may be of a level that could cause permanent hearing loss. Damage to speakers or other system components may result.

Do not place containers of water on the device

Do not put anything that contains water (e.g., flower vases) on this unit. Also, avoid the use of insecticides, perfumes, alcohol, nail polish, spray cans, etc., near the unit. Swiftly wipe away any liquid that spills on the unit using a dry, soft cloth.

Never expose battery to excessive heat

Never expose battery to excessive heat such as sunshine, fire or the like.

⚠ CAUTION

Place in a well ventilated location

The unit should be located so that its location or position does not interfere with its proper ventilation.

Use only the specified stands

This (RK-300) for use only with Roland stand KSC-48 or KS-G8. Use with other stands is capable of resulting in instability causing possible injury.

You should always perform a safety check each time you use the stand

Please be sure to read and adhere to the cautionary notices contained in the instructions that came with this product.
Please note that, depending on the manner in which keyboard performances are carried out, you may encounter situations where the keyboard falls off the stand or the stand topples over, even though you have followed all of the instructions and advice contained within the product's manual. For this reason, you should always perform a safety check each time you use the stand.

⚠ CAUTION

Grasp the plug when connecting or disconnecting the power cord

Always grasp only the plug on the power-supply cord when plugging into, or unplugging from, an outlet or this unit.

Periodically wipe the dust off the power cord plug

At regular intervals, you should unplug the power plug and clean it by using a dry cloth to wipe all dust and other accumulations away from its prongs. Also, disconnect the power plug from the power outlet whenever the unit is to remain unused for an extended period of time. Any accumulation of dust between the power plug and the power outlet can result in poor insulation and lead to fire.

Manage cables for safety

Try to prevent cords and cables from becoming entangled. Also, all cords and cables should be placed so they are out of the reach of children.

Do not stand or place heavy objects on this device

Never climb on top of, nor place heavy objects on the unit.

Do not connect or disconnect the power cord with wet hands

Never handle the power cord or its plugs with wet hands when plugging into, or unplugging from, an outlet or this unit.

Cautions when moving this unit

If you need to move the instrument, take note of the precautions listed below. At least two persons are required to safely lift and move the unit. It should be handled carefully, all the while keeping it level. Make sure to have a firm grip, to protect yourself from injury and the instrument from damage.

- Check to make sure the knob bolts securing the unit to the stand have not become loose. Fasten them again securely whenever you notice any loosening.
- Disconnect the power cord.
- Disconnect all cords coming from external devices.
- Remove the music stand.

Unplug the power cord from the AC outlet before cleaning

Before cleaning the unit, turn off the power and unplug the power cord from the outlet.

⚠ CAUTION

If there is a possibility of lightning strike, disconnect the power cord from the AC outlet

Whenever you suspect the possibility of lightning in your area, pull the plug on the power cord out of the outlet.

Cautions when using batteries

If used improperly, batteries may explode or leak and cause damage or injury. In the interest of safety, please read and observe the following precautions (p. 35).

- Carefully follow the installation instructions for batteries, and make sure you observe the correct polarity.
- Avoid using new batteries together with used ones. In addition, avoid mixing different types of batteries.
- Remove the batteries whenever the unit is to remain unused for an extended period of time.
- If a battery has leaked, use a soft piece of cloth or paper towel to wipe all remnants of the discharge from the battery compartment. Then install new batteries. To avoid inflammation of the skin, make sure that none of the battery discharge gets onto your hands or skin. Exercise the utmost caution so that none of the discharge gets near your eyes. Immediately rinse the affected area with running water if any of the discharge has entered the eyes.
- Never keep batteries together with metallic objects such as ballpoint pens, necklaces, hairpins, etc.

Caution when dispose batteries

Used batteries must be disposed of in compliance with whatever regulations for their safe disposal that may be observed in the region in which you live.

Keep small items out of the reach of children

To prevent small items such as the following from being swallowed accidentally, keep them out of the reach of children.

- Included items
  - Lock for the USER MEMORY connector cover
  - Screws for installing the CD drive on the CD tray
  - CD tray attachment screws
  - Screws for installing the CD drive to the bottom of the unit
- Removed parts
  - Screws for locking the USER MEMORY connector cover
  - Music rest attachment screws
  - Screws for installing the jack cover

Important Notes

Power Supply

- Do not connect this unit to same electrical outlet that is being used by an electrical appliance that is controlled by an inverter (such as a refrigerator, washing machine, microwave oven, or air conditioner), or that contains a motor. Depending on the way in which the electrical appliance is used, power supply noise may cause this unit to malfunction or may produce audible noise. If it is not practical to use a separate electrical outlet, connect a power supply noise filter between this unit and the electrical outlet.
- Before connecting this unit to other devices, turn off the power to all units. This will help prevent malfunctions and/or damage to speakers or other devices.
- When you turn off the power, the screen and indicators of this device will go dark, but this does not mean that the main power supply is completely disconnected. If you need to completely shut off the power supply, turn off the power switch of this device and then unplug it from the AC outlet. Connect this device to an AC outlet that is as close and accessible as possible.

Placement

- Using the unit near power amplifiers (or other equipment containing large power transformers) may induce hum. To alleviate the problem, change the orientation of this unit; or move it farther away from the source of interference.
- This device may interfere with radio and television reception. Do not use this device in the vicinity of such receivers.
- Noise may be produced if wireless communications devices, such as cell phones, are operated in the vicinity of this unit. Such noise could occur when receiving or initiating a call, or while conversing. Should you experience such problems, you should relocate such wireless devices so they are at a greater distance from this unit, or switch them off.
- Do not expose the unit to direct sunlight, place it near devices that radiate heat, leave it inside an enclosed vehicle, or otherwise subject it to temperature extremes. Also, do not allow lighting devices that normally are used while their light source is very close to the unit (such as a piano light), or powerful spotlights to shine upon the same area of the unit for extended periods of time. Excessive heat can deform or discolor the unit.
- When moved from one location to another where the temperature and/or humidity is very different, water droplets (condensation) may form inside the unit. Damage or malfunction may result if you attempt to use the unit in this condition. Therefore, before using the unit, you must allow it to stand for several hours, until the condensation has completely evaporated.
- Do not allow rubber, vinyl, or similar materials to remain on the unit for long periods of time. Such objects can discolor or otherwise harmfully affect the finish.
- Do not allow objects to remain on top of the keyboard. This can be the cause of malfunction, such as keys ceasing to produce sound.
- Do not paste stickers, decals, or the like to this instrument. Peeling such matter off the instrument may damage the exterior finish.
- Depending on the material and temperature of the surface on which you place the unit, its rubber feet may discolor or mar the surface.
  You can place a piece of felt or cloth under the rubber feet to prevent this from happening. If you do so, please make sure that the unit will not slip or move accidentally.

Maintenance

- To clean the unit, use a dry, soft cloth; or one that is slightly dampened. Try to wipe the entire surface using an equal amount of strength, moving the cloth along with the grain of the wood. Rubbing too hard in the same area can damage the finish.
- Never use benzine, thinners, alcohol or solvents of any kind, to avoid the possibility of discoloration and/or deformation.

Repairs and Data

- Please be aware that all data contained in the unit's memory may be lost when the unit is sent for repairs. Important data should always be backed up on a USB memory, or written down on paper (when possible). During repairs, due care is taken to avoid the loss of data. However, in certain cases (such as when circuitry related to memory itself is out of order), we regret that it may not be possible to restore the data, and Roland assumes no liability concerning such loss of data.

Additional Precautions

- Please be aware that the contents of memory can be irretrievably lost as a result of a malfunction, or the improper operation of the unit. To protect yourself against the risk of loosing important data, we recommend that you periodically save a backup copy of important data you have stored in the unit's memory on a USB memory.
- Unfortunately, it may be impossible to restore the contents of data that was stored on a USB memory once it has been lost. Roland Corporation assumes no liability concerning such loss of data.
- Use a reasonable amount of care when using the unit's buttons, sliders, or other controls; and when using its jacks and connectors. Rough handling can lead to malfunctions.
- Never strike or apply strong pressure to the display.
- A small amount of noise may be heard from the display during normal operation.
- When connecting / disconnecting all cables, grasp the connector itself—never pull on the cable. This way you will avoid causing shorts, or damage to the cable's internal elements.
- A small amount of heat will radiate from the unit during normal operation.
- To avoid disturbing your neighbors, try to keep the unit's volume at reasonable levels. You may prefer to use headphones, so you do not need to be concerned about those around you (especially when it is late at night).

- When you need to transport the unit, package it in the box (including padding) that it came in, if possible. Otherwise, you will need to use equivalent packaging materials.
- Do not apply undue force to the music stand while it is in use.
- Use only the specified expression pedal (EV-5/7; sold separately). By connecting any other expression pedals, you risk causing malfunction and/or damage to the unit.
- Some connection cables contain resistors. Do not use cables that incorporate resistors for connecting to this unit. The use of such cables can cause the sound level to be extremely low, or impossible to hear. For information on cable specifications, contact the manufacturer of the cable.
- The sensitivity of the D Beam controller will change depending on the amount of light in the vicinity of the unit. If it does not function as you expect, adjust the sensitivity as appropriate for the brightness of your location.
- In order to provide the highest possible image quality, the VIMA uses a TFT liquid crystal display. Due to the nature of a TFT liquid crystal display, the screen may contain pixels that fail to light or that remain constantly lit, but please be aware that this is not a malfunction or defect.

Before Using USB Memory

USB Memory Handling

- When connecting USB memory, firmly insert it all the way in.
- When connecting USB memory, position it horizontally with the external memory connector and insert it without using excessive force. The external memory connector may be damaged if you use excessive force when inserting USB memory.
- Do not insert anything other than USB memory (e.g., wire, coins, other types of device) into the external memory connector. Doing so will damage the external memory connector.
- Do not apply excessive force to the connected USB memory.
- Do not touch the pins of the USB memory port, or allow them to become dirty.
- USB memory is made using high-precision electronic components, so please observe the following points when handling it.
  - To prevent damage from static electrical charges, discharge any static electricity that might be present in your body before handling USB memory.
  - Do not touch the terminals with your fingers or any metal object.
  - Do not bend or drop USB memory, or subject it to strong impact.
  - Do not leave USB memory in direct sunlight or in locations such as a closed-up automobile. (Storage temperature: 0–50 degrees C).
  - Do not allow USB memory to become wet.
  - Do not disassemble or modify USB memory.
- If you will not be using USB memory for an extended period of time, close the USB memory cover.

Before Using the CD Drive

CD Drive Handling

- Water droplets may form inside the CD drive if you move it to a location of radically different humidity. Using the drive in this condition will cause malfunctions, so please allow several hours for the condensation to disappear before you use the drive.
- Remove the disc from the disc tray before you turn the power on or off.
- Do not insert anything (wire, coins, other types of media) into the disc tray other than discs bearing the "COMPACT disc DIGITAL AUDIO" logo. Doing so will cause the CD drive to malfunction.
- Do not subject the CD drive to vibration or shock while it is in use, or move it while its power is on.
- The pickup is designed to be dust-proof. Do not use pickup cleaner or similar products, since this may cause malfunctions.

CD (CD-ROM) Handling

- When handling the discs, please observe the following.
  - Do not touch the recording surface of the disc.
  - Do not use in dusty areas.
  - Do not leave the disc in direct sunlight or an enclosed vehicle. (Storage temperature: 10–50 degrees C)
- Avoid touching or scratching the shiny underside (encoded surface) of the disc. Damaged or dirty CD-ROM discs may not be read properly. Keep your discs clean using a commercially available CD cleaner.
- Keep CDs in their case when not in use.
- Do not leave a CD in the CD drive for an extended period of time.
- Bending a CD may make it unreadable and cause malfunctions.
- To hold a CD, insert a finger into the center hole and grasp it between the hole and the outer edge. Do not allow fingerprints or scratches to mar the recording surface of the CD.

- Do not drop CDs or stack them.
- Do not place heavy objects on a CD or subject them to strong impact.
- Do not affix adhesive labels to the label side of a CD. The CD may be scratched if you use it with an adhesive label affixed.
- When writing a title on the label side of a CD, use a soft-tipped writing instrument such as a felt-tipped pen.
- Read the cautions printed on the CD jacket before using a CD.

CD Cleaning

- If dust or dirt adheres to a CD, lightly wipe it off with a soft cloth. Always wipe from the center toward the outer edge of the disc. Do not wipe in a concentric circular direction.
- Do not use record cleaner, record spray, or solvents such as benzene to clean a CD.

Cautions when Using a CD

- CDs that contain both music tracks and data will not play correctly.
- For playback of commercially available CDs, this device supports playback only for discs bearing the "COMPACT disc DIGITAL AUDIO" logo, which indicates the official CD standard. We cannot guarantee that this device will correctly play discs that do not comply with the CD standard, such as music discs that use copy-protection technology.
- The RK-300 is unable to play back music discs that use copy-protection technology.
- For details on music discs that use copy-protection technology, please contact the distributor of the disc.
- You cannot save songs on a CD or delete a song from a CD, nor can you format a CD.

About the License Agreement

- The RK-300's CD-writing functionality, and its backing-up functionality are designed to allow you to reproduce material to which you have copyright, or material which the copyright owner has granted you permission to copy.
  Accordingly, reproduction of Music CD or other copyrighted material without permission of the copyright owner avoiding technical prohibiting features of second generation and later copying like SCMS or others constitutes copyright infringement and may incur penalties even in case such reproduction is for your own personal use and enjoyment (private use). Consult a copyright specialist or special publications for more detailed information on obtaining such permission from copyright holders.

Copyright

- Recording, duplication, distribution, sale, lease, performance, or broadcast of copyrighted material (musical works, visual works, broadcasts, live performances, etc.) belonging to a third party in part or in whole without the permission of the copyright owner is forbidden by law.
- This product can be used to record or duplicate audio or visual material without being limited by certain technological copy-protection measures. This is due to the fact that this product is intended to be used for the purpose of producing original music or video material, and is therefore designed so that material that does not infringe copyrights belonging to others (for example, your own original works) can be recorded or duplicated freely.
- Do not use this unit for purposes that could infringe on a copyright held by a third party. We assume no responsibility whatsoever with regard to any infringements of third-party copyrights arising through your use of this unit.

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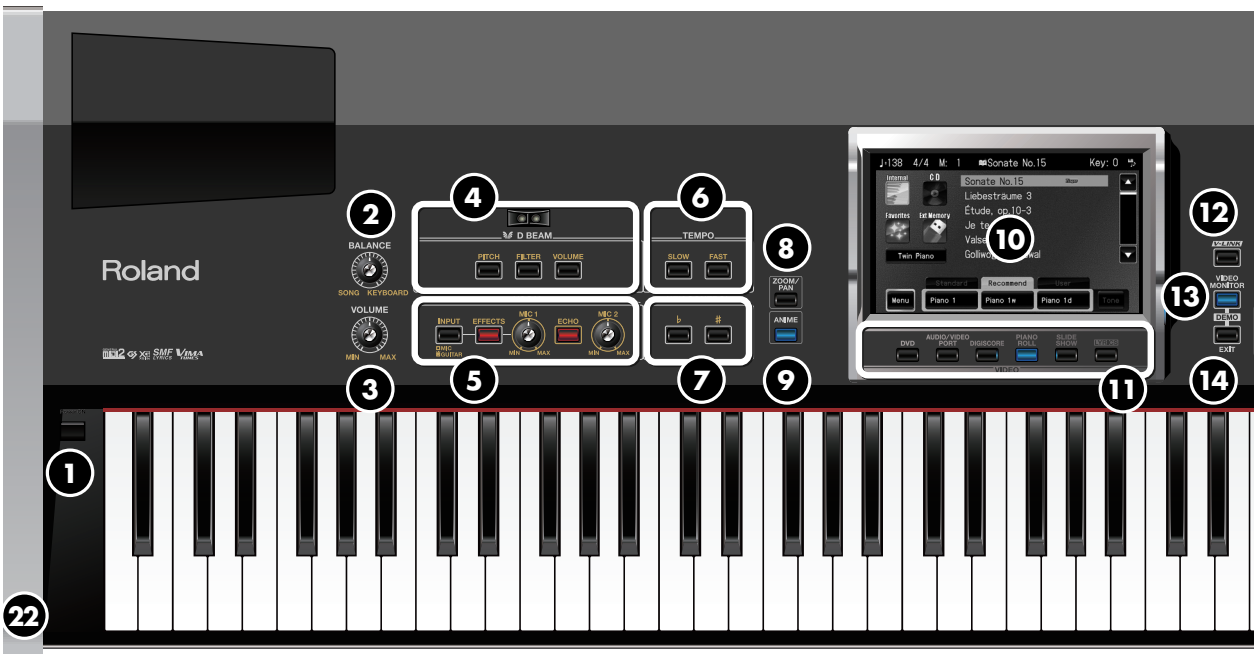
* XG lite ( ) is a registered trademark of Yamaha Corporation.
* Microsoft and Windows are registered trademarks of Microsoft Corporation.
* Windows® is known officially as: "Microsoft® Windows® operating system."
* Apple and Macintosh are registered trademarks of Apple Inc.
* Mac OS is a trademark of Apple Inc.
* This product uses certain software of the "Independent JPEG Group."
* All product names mentioned in this document are trademarks or registered trademarks of their respective owners.
* MPEG Layer-3 audio compression technology is licensed from Fraunhofer IIS Corporation and THOMSON Multimedia Corporation.

Names of Things and What They Do

Front Panel



1 [Power ON] Switch

This turns the power on/off (p. 33).

2 [BALANCE] Knob

This adjusts the volume balance between the song and your keyboard performance (p. 98).

When you're playing along with a song, you can use this knob to turn down the volume of the song.

3 [VOLUME] Knob

This adjusts the overall volume of the RK-300 (p. 34).

If headphones are connected, this adjusts the volume of the headphones (p. 38).

4 D BEAM

By moving your hand above the D Beam controller you can modify the sounds you're playing on the keyboard (p. 67), or produce sound effects such as applause (p. 68).

Press the [PITCH], [FILTER], or [VOLUME] button to choose what will be controlled by the D Beam.

5 VOCAL

Here you can apply harmony (p. 104) or effects such as echo (p. 108) to the sound of the microphone.

If a guitar is connected, you can also use effects that are designed specifically for guitar (p. 133).

[INPUT] Button

If you've connected a microphone to the MIC 1/GTR jack, this button's illumination needs to be off. If you've connected a guitar, this button should be lit.

[EFFECTS] Button

Press this if you want to apply an effect to the input from the MIC 1/GTR jack. You'll be able to use a vocal effect if you're using a microphone, or a guitar effect if you're using a guitar.

[MIC 1] Knob

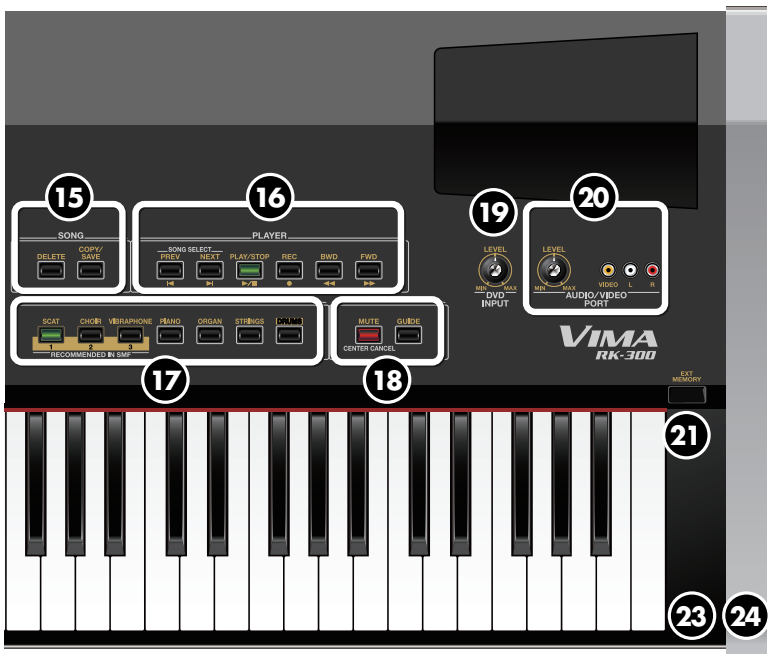
This adjusts the volume of the microphone/guitar that's connected to the MIC 1/GTR jack.

[ECHO] Button

This turns the echo on/off.

[MIC 2] Knob

This adjusts the volume of the microphone connected to the MIC 2 jack.



6 TEMPO

This adjusts the tempo (playback speed) of the song (p. 88).

The tempo (playback speed) will decrease each time you press the [SLOW] button, and increase each time you press the [FAST] button.

7 KEY CONTROL

Here you can change the key of the song and of your performance on the keyboard (p. 109).

Each time you press the [♭] button the key will shift downward by a semitone, and each time you press the [♯] button the key will shift upward by a semitone.

You can use this to shift the key of a song for easier singing, or to transpose the keyboard without changing your fingering.

8 [ZOOM/PAN] Button

This button lets you zoom/pan the image of the slide show (p. 123).

9 [ANIME] Button

This button lets you change the image in time with your performance (p. 128).

10 Display

This shows images, and various settings of the RK-300. You can make settings by touching the screen.

11 Video Function Select Buttons

Use these buttons to switch the image that is shown on the RK-300's display and on an external display/television connected to the RK-300.

[DVD] Button

This button switches to the image from the DVD player connected to the DVD INPUT jack (p. 124).

[AUDIO/VIDEO PORT] Button

This button switches to the image from the device connected to the Roland AUDIO/VIDEO PORT jacks (p. 130).

[DIGISCORE] Button

This button switches to the musical score display (p. 93).

[PIANO ROLL] Button

This button switches to the piano roll screen (p. 130).

[SLIDE SHOW] Button

This button switches to the slide show screen (p. 114).

[LYRICS] Button

Press this button to view lyrics (p. 103).

12 [V-LINK] Button

This button turns the V-Link function on/off (p. 200).

13 [VIDEO MONITOR] Button

This button allows you to view the image being sent to the connected external display/television on the RK-300's own display (p. 41).

14 [EXIT] Button

Press this button once to return to the previous screen. By pressing this button a number of times you can return to the main screen (p. 24).

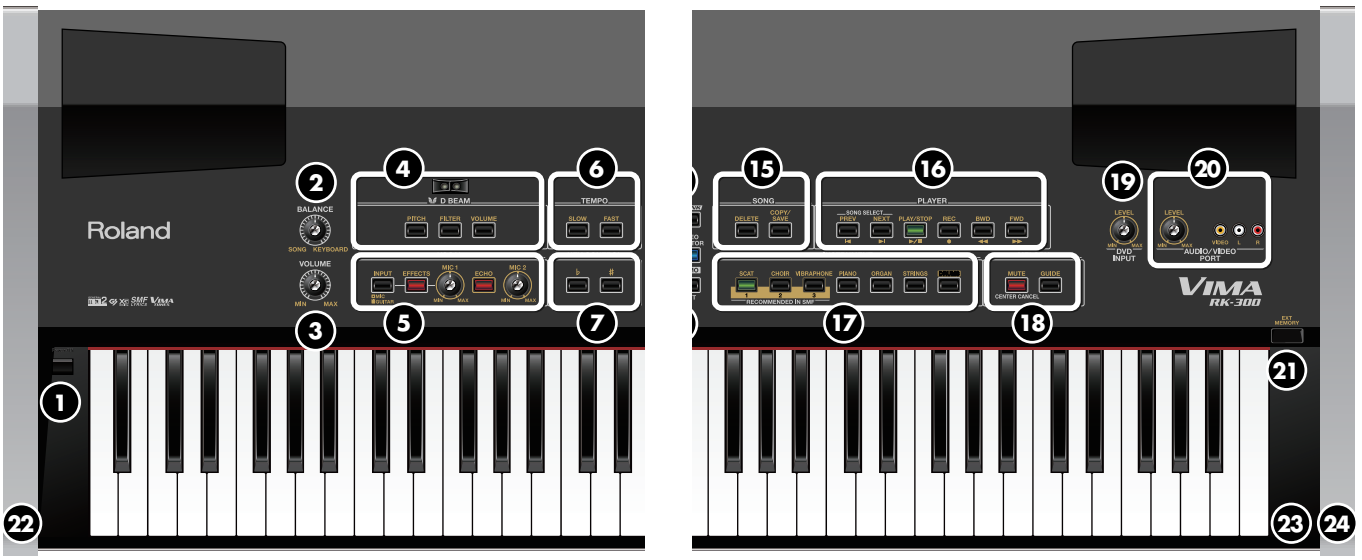
15 SONG

[DELETE] Button

Use this button to delete a song (p. 79, p. 87).

[COPY/SAVE] Button

Use this button to copy (p. 80) or save (p. 144) a song.



16 PLAYER

These buttons let you play back the RK-300's internal songs, songs you've copied to "favorites," songs from CD or USB memory, or your own performances that you've recorded (p. 140).

When a list of songs is shown in the screen, use the [PREV] or [NEXT] buttons to select the song that you want to play.

17 INSTRUMENT Buttons

Use these buttons to select the instrumental sound that you'll play from the keyboard (p. 44).

18 MELODY

[MUTE/CENTER CANCEL] Button

This button lets you silence the melody or vocal of a song (p. 99, p. 110).

[GUIDE] Button

This button lets you decrease the volume of the song's melody or vocal, so that you can use it as a guide (p. 100, p. 112).

19 [DVD INPUT] Knob

This knob adjusts the volume of the input from the DVD player (p. 124).

20 Roland [AUDIO/VIDEO PORT] Jacks/Knob

Here you can connect a video-capable portable audio player or similar device, and show its image on an external display or television, or play back music from it (p. 126).

21 EXT MEMORY Connector

You can also play songs from USB memory (p. 76) or copy songs recorded on the RK-300 to USB memory (p. 152).

You can connect USB memory or a digital camera here, and view a slide show of the images or photos that it contains (p. 120, p. 122).

22 Phones Jacks

Connect headphones to these jacks. The RK-300 allows you to use two headphones simultaneously (p. 38).

23 Remote Sensor

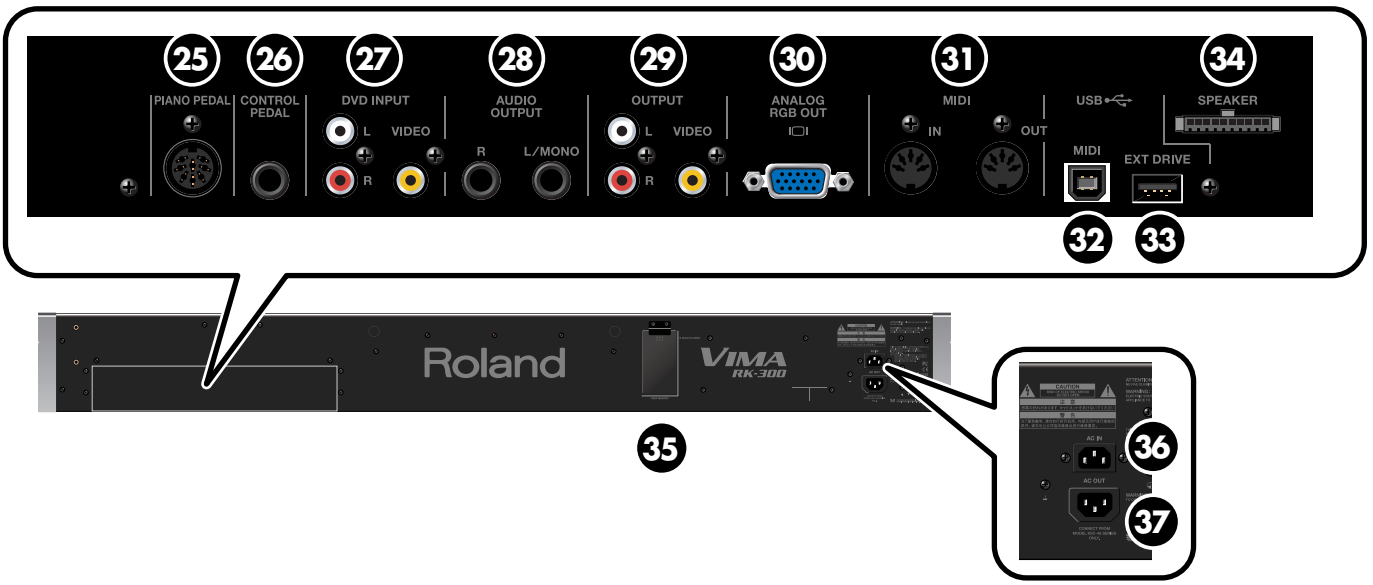
When using the remote control to operate the RK-300, point the remote control toward this sensor (p. 90).

24 MIC 1/GTR, MIC 2 Jacks

Connect microphones to these jacks. The RK-300 allows you to use two microphones simultaneously, so that two people can sing together (p. 101).

If you're connecting a guitar, connect it to the MIC 1/GTR jack (p. 132).

Rear Panel



25 PIANO PEDAL Connector

Connect the Piano Pedal here (p. 29).

26 CONTROL PEDAL Jack

You can connect the included pedal (DP-10) here and use it as a damper pedal, or you can assign a variety of other functions for the pedal to control (p. 29, p. 106, p. 172).

You can connect a separately sold expression pedal (EV-5/7) here, and use it to control the effect you apply to the vocal.

27 DVD INPUT Jacks

Here you can connect a DVD player or other video device, and show its image on an external display or television connected to the RK-300, or play back music from it (p. 124).

* Use the front panel [DVD INPUT] knob to adjust the volume of the device connected to the DVD INPUT jacks.

28 AUDIO OUTPUT L/R Jacks

Connect amplified speakers or a sound system here to play the RK-300's sounds from external speakers (p. 196).

29 OUTPUT Jacks

Connect a television here to view images (p. 39).

30 ANALOG RGB OUT Connector

Connect an external display here to view images (p. 39).

31 MIDI IN/OUT Connectors

Connect these to external MIDI devices to send and receive performance information (p. 198).

32 USB MIDI Connector

Connect this to your computer to send and receive performance information (p. 199).

33 EXT DRIVE Connector

Connect a USB CD drive here (p. 30).

34 SPEAKER Connector

Connect the speaker cable from the dedicated stand to this connector (p. 28).

35 USER MEMORY Connector

You can connect USB memory here, and use it as "Favorites" memory (p. 80) for saving your recorded performances or copying songs, or as "User" memory when saving a "User Program" (p. 157).

36 AC IN

Connect the included power cord here (p. 28).

37 AC OUT

Connect this to the AC inlet of the dedicated stand (p. 28).

Main Screen

Song information

For an SMF format song

This shows the tempo, time signature, measure number, and the name of the currently selected song.

For a music CD or an audio/MP3 format song

This shows the playback speed, current time, and the name of the currently selected song.

Key control information

This area shows the key control settings (p. 109, p. 183).

(Keyboard)	Changes the key of the keyboard.
(Song)	Changes the key of the song.
(Keyboard and Song)	Changes the key of both the keyboard and song.

Location in which songs are saved (Song Location)

Here you can select the location in which songs are saved (song location).

When you touch an icon in the screen, a list of the songs in the selected location appears.

	Internal (Internal songs)
	Favorites (User memory)
	CD (Music CD)
	CD-R
	External memory (USB memory connected to the EXT MEMORY connector)

Song list

This shows a list of the songs in the currently selected location. You can select a song by touching its name or by using the [PREV] [NEXT] buttons.

Lyric	Song contains lyrics
Chord	DIGISCORE screen contains chord indications
Audio	Music CD or song in audio format
MP3	Song in MP3 format
Finger	DIGISCORE screen contains fingering indications

Scroll bar

You can view the hidden songs by pressing ▲ ▼ to move the scroll bar up/down.

You can also move the scroll bar by touching it in the display.

Twin Piano button

This turns “Twin Piano” on.

The keyboard will be divided into left and right regions so that two people can play the same range of pitches.

Menu button

This displays the Menu screen.

In the Menu screen you can choose the setting that you want to modify.

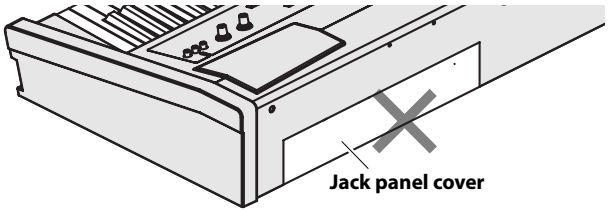
Tone buttons

This shows “Standard,” “Recommend,” and “User.”

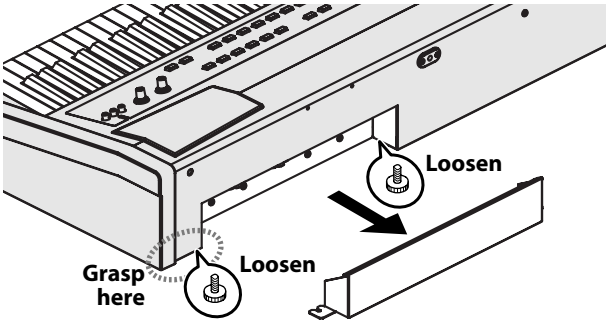
By touching the tabs shown in the screen, you can switch between the “Standard,” “Recommend,” and “User” displays.

⚠ CAUTION

Do not grasp the jack panel cover when lifting the RK-300 keyboard unit.



If you need to transport the RK-300 keyboard unit, remove the jack panel cover, and hold the bottom of the unit when lifting it.



Placing the RK-300 on a Stand

If you place the RK-300 on a stand, you must use the special stand KSC-48 (sold separately) or KS-G8 (sold separately).

When placing the RK-300 on the KSC-48 or KS-G8, place it in the position shown below.

NOTE

Using the RK-300 with any other stand may produce an unstable situation, possibly causing the instrument to fall or overturn, and resulting in injury or damage.

NOTE

For details on how to assemble the stand, refer to the owner's manual that accompanied the stand.

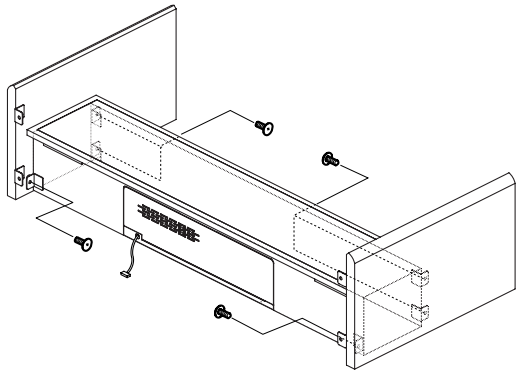
If Using the KSC-48 Stand

Stand Assembly

At first, assemble the entire stand in a temporary fashion, without really tightening the screws. Then, after checking the overall alignment of the boards (and gently shifting certain parts where necessary), go around and tightly fasten each of the screws.

1. Attach the side board (right) for the right sides to the speaker box.

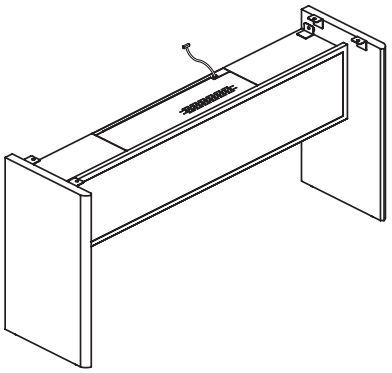
Use screws to temporarily fasten these parts together.



2. Attach the side board (left) for the left sides to the speaker box.

Use screws to temporarily fasten these parts together.

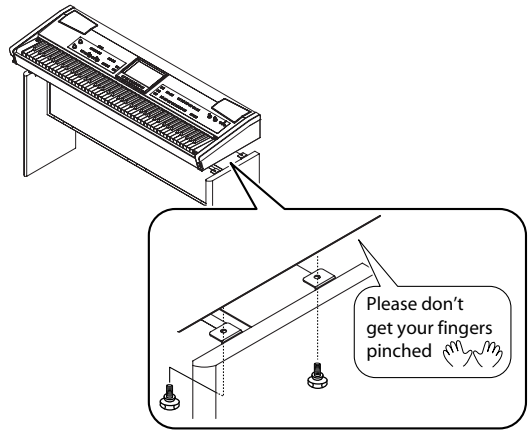
3. After you've temporarily fastened the screws, place the stand upright, and securely tighten screws to fasten the speaker box and side boards.



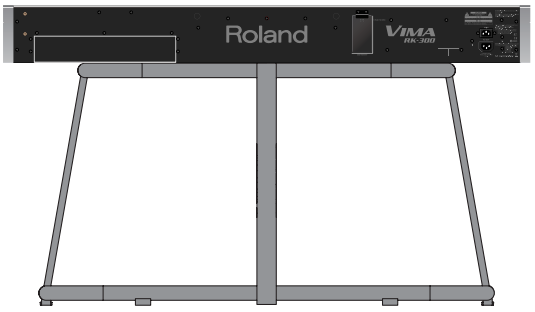
Installing the RK-300 on the KSC-48

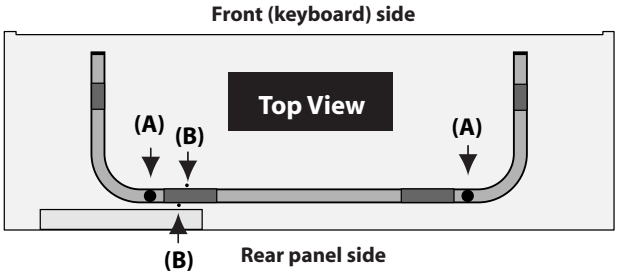
4. Set the RK-300 on the KSC-48, then firmly attach the four knob bolts.

* When handling the RK-300, firmly grasp it. Be careful, so you do not get your fingers pinched.



If Using the KS-G8 Stand





Place the RK-300 so that the rubber feet closest to its rear panel are directly above the arms at locations (A) and also located at both sides of the rubber feet of the arms.

Make sure that the screws located on the bottom of the RK-300 at locations (B) are not resting on the arm's rubber foot.

Getting Ready to Play

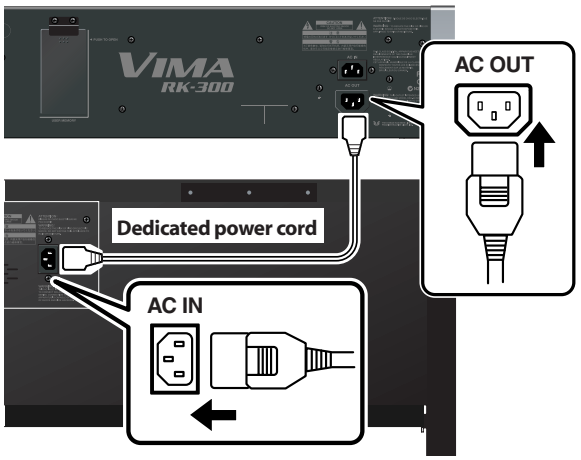
Connecting the Power Cords (Main Unit/Stand)

NOTE

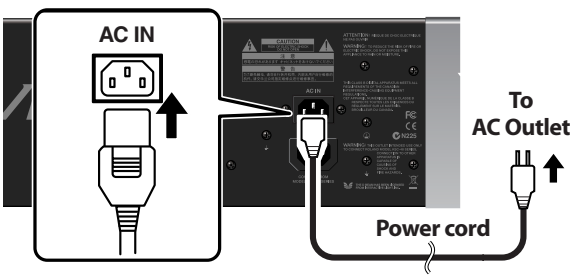
Make sure to use only the supplied power cords.

1. Make sure that the [Power ON] switch is off (upward position).

2. If you're using the KSC-48 stand, designed to accommodate the RK-300, use the dedicated power cord to connect the RK-300's AC OUT to the AC IN of the stand.



3. Connect the included power cord to AC IN (AC inlet) on the RK-300's rear panel.



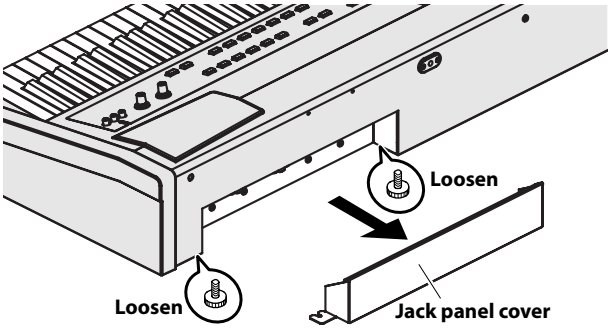
4. Connect the other end of the power cord to an AC outlet.

Connecting the Speaker Cable

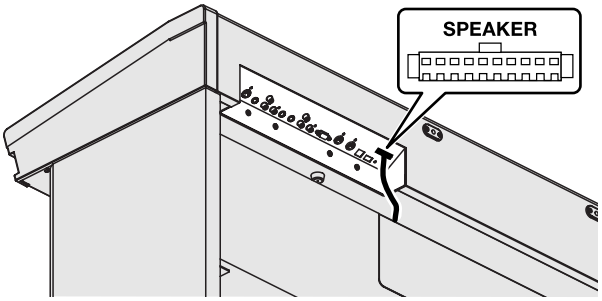
(If using the KSC-48 dedicated stand)

1. As shown in the illustration, loosen the two screws that fasten the jack panel cover on the bottom panel of the RK-300.

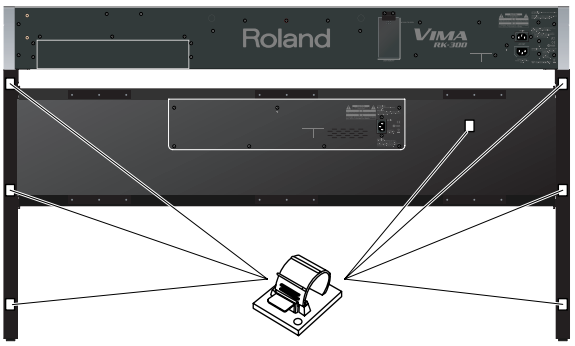
2. Remove the cover from the jack panel.



3. Connect the speaker cable that extends from the stand to the SPEAKER connector on the RK-300's rear panel.



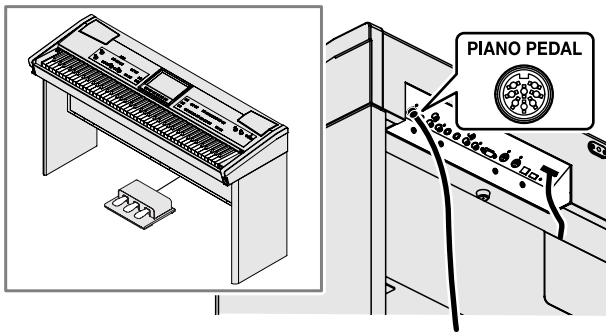
Affix the cable clamps (included with the stand) to the locations shown in the illustration (recommended), and use them to secure the power cord, piano pedal connecting cables, etc.



Connecting the Piano Pedal

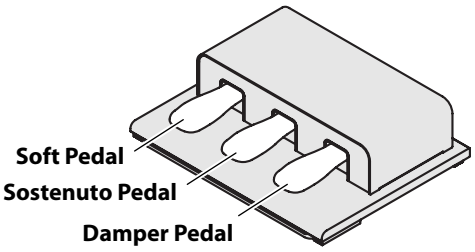
(If using the KSC-48 dedicated stand)

Connect the cable of the included piano pedal to the PIANO PEDAL connector on the RK-300's rear panel.



About the pedals

The pedals perform the following operations. You'll use them mainly playing piano.



Damper Pedal (right pedal)

While this pedal is held down, notes will be sustained for an extended time even if you release your fingers from the keyboard.

The length of sustain will change subtly depending on how deeply you press the pedal.

On an acoustic piano, holding down the damper pedal will cause the strings for notes other than the ones you actually play to vibrate in sympathy with what you've played, producing a rich resonance. The RK-300 simulates this sympathetic vibration (damper resonance).

Sostenuto Pedal (center pedal)

The notes you are pressing when this pedal is depressed will be sustained.

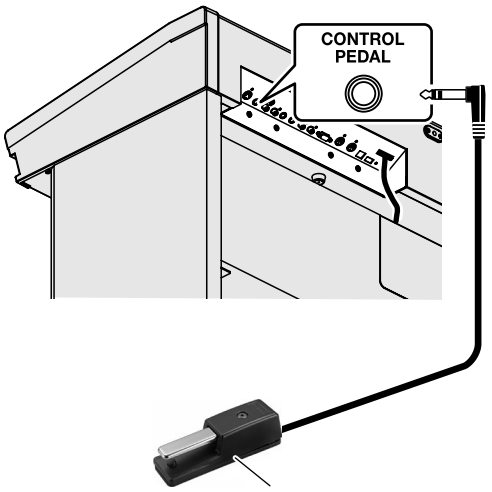
Soft Pedal (left pedal)

If you hold down this pedal, the notes will be softer in tone.

The softness of the tone can be varied subtly by the depth to which you press the pedal.

Connecting the DP-10

Connect the pedal (DP-10) included with the RK-300 to the CONTROL PEDAL jack on the rear panel.



Set the pedal select switch to "Continuous."

* With the factory settings, the pedal connected to the CONTROL PEDAL jack will function as a "damper pedal."

MEMO

You can assign other functions to the pedal connected to the CONTROL PEDAL jack, and use your foot to control these functions.

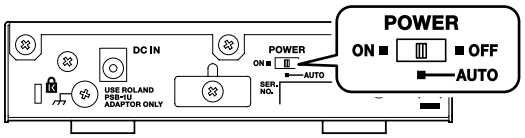
"Using the Control Pedal to Turn an Effect On/Off" (p. 106)

"Assigning Functions to Control Pedal (Control Pedal)" (p. 172)

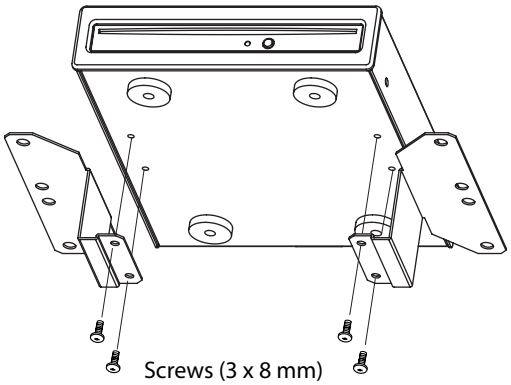
Attaching a CD Drive

(If using the KSC-48 dedicated stand)

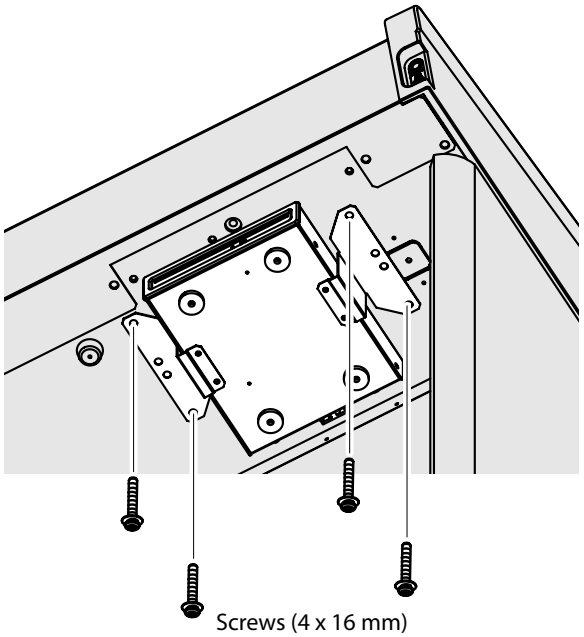
1. Turn the CD drive's power "AUTO."



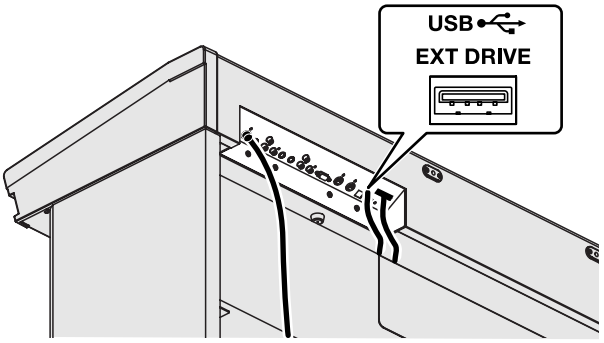
2. Use the screws (3 x 8 mm) to attach the holders to the CD drive.

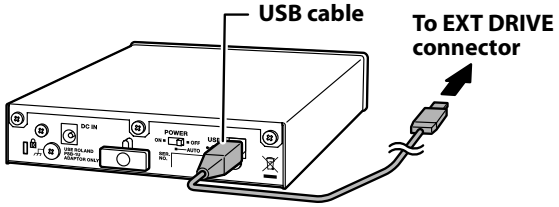


3. As shown in the illustration, fasten the CD drive using the screws (4 x 16 mm) and the screw holes located on the bottom of the RK-300.

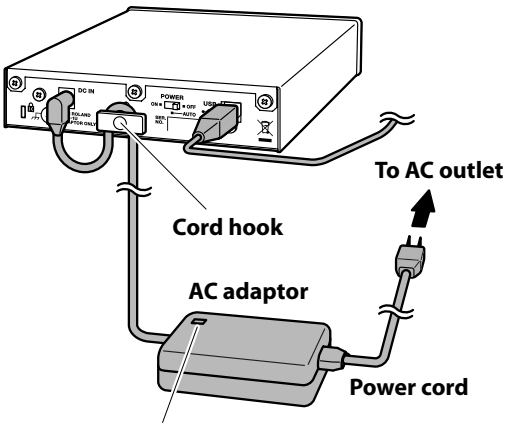


4. Use a USB cable to connect the CD drive's USB connector to the EXT DRIVE connector on the RK-300's rear panel.





5. Connect the AC adaptor included with the CD drive to the CD drive's DC IN jack.



Place the AC adaptor so the side with the indicator (see illustration) faces upwards and the side with textual information faces downwards.
The indicator will light when you plug the AC adaptor into an AC outlet.

6. Connect the AC adaptor to an AC outlet.

MEMO

To prevent the inadvertent disruption of power to your unit (should the plug be pulled out accidentally), and to avoid applying undue stress to the AC adaptor jack, anchor the power cord using the cord hook, as shown in the illustration.

MEMO

- If you're using the KSC-48 dedicated stand, you can also use the included CD tray to place the CD drive on the front panel.

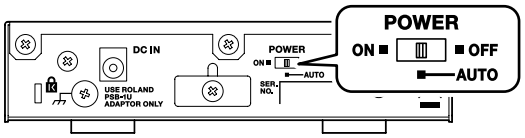
If you're using the KS-G8 stand

NOTE

If you're using the KS-G8 as your stand, you must use the included CD tray to place the CD drive on the front panel.

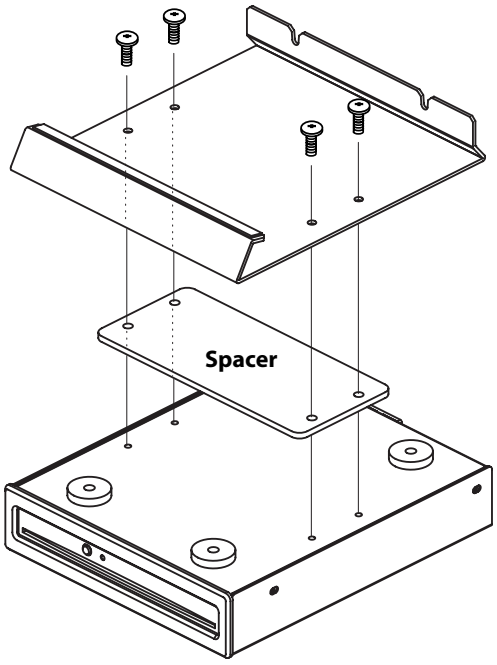
It is not possible to attach the CD drive to the bottom of the RK-300.

1. Set the CD drive's POWER switch to "AUTO."

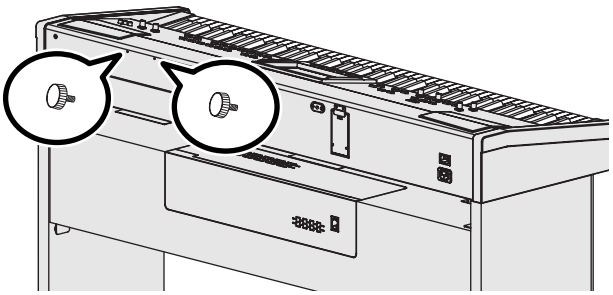


2. Using the CD drive attachment screws, attach the CD drive to the CD tray.

When doing so, insert the spacer between the CD drive and the CD tray.



3. As shown in the illustration, loosen the two screws fastening the CD tray on the back of the RK-300.

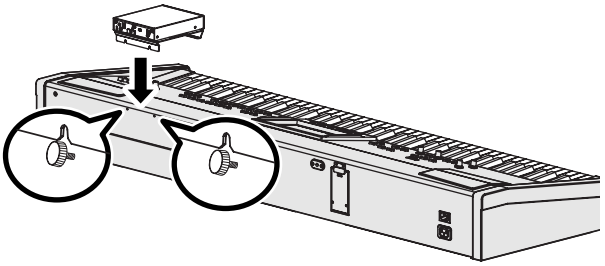


4. Place the CD tray between the screws and the RK-300, and turn the two screws to securely fasten the CD tray.

NOTE

Be careful not to pinch your hands when installing the CD tray.

If you remove the CD tray, be sure to securely refasten the screws.



5. Use a USB cable to connect the CD drive's USB connector to the RK-300's rear panel EXT DRIVE connector.

6. Connect the AC adaptor included with the CD drive to the CD drive's DC IN jack.

7. Connect the AC adaptor to an AC outlet.

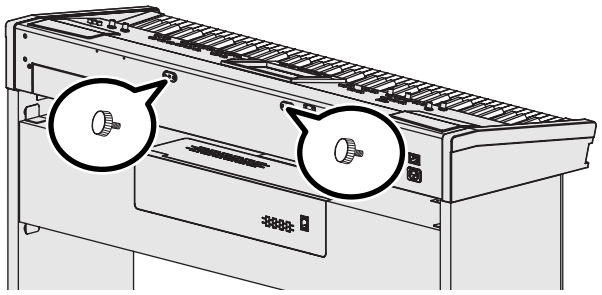
Operating the power switch

- At the "AUTO" setting, the CD drive's power will turn on/off in tandem when the RK-300's own power is turned on/off.
- If you want to turn the CD drive on/off by itself (i.e., not in synchronization with the RK-300), move the switch between the "ON" and "OFF" settings as desired.

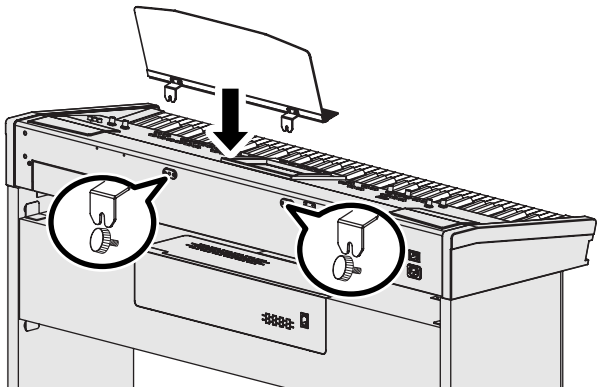
Attaching the Music Rest

Here's how to attach the included music rest.

1. Loosen the screws used for securing the music rest on the rear panel of the instrument (two locations).



2. Place the music rest between the screws and the chassis.



3. While using one hand to support the music rest, tighten the screws (two locations) to fasten the music rest firmly in place.

When attaching the music rest, you must use your hand to support it firmly so that it does not fall.

Be careful not to pinch your hand.

To remove the music rest, support it with one hand while you loosen the screws. Remove the music rest, and then securely retighten the screws.

NOTE

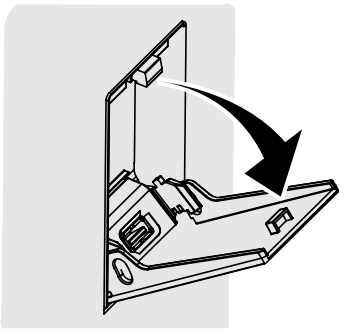
- Don't apply excessive force to the installed music rest.
- You must use the included screws to attach the music rest.

Connecting User Memory

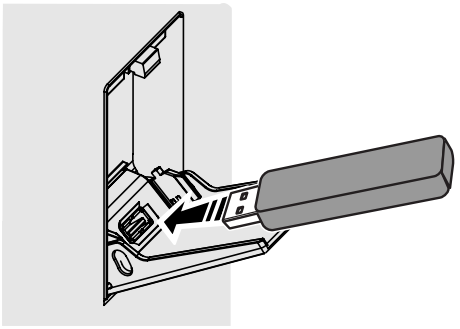
If you connect the included (or commercially available) USB memory to the USER MEMORY connector on the RK-300's rear panel, you'll be able to use the USB memory as "User memory."

You can use this memory as "Favorites" (p. 80) for saving your recorded performances or copied songs, and use it to save "User Programs" (p. 157).

1. Press the upper part of the USER MEMORY connector cover, and open it.



2. Connect the included (or commercially available) USB memory to the USER MEMORY connector.



NOTE

Carefully insert the USB memory all the way in—until it is firmly in place.

3. Press the upper part of the USER MEMORY connector cover to close it.

NOTE

Be sure to keep the USER MEMORY connector cover closed unless you're connecting or disconnecting USB memory.

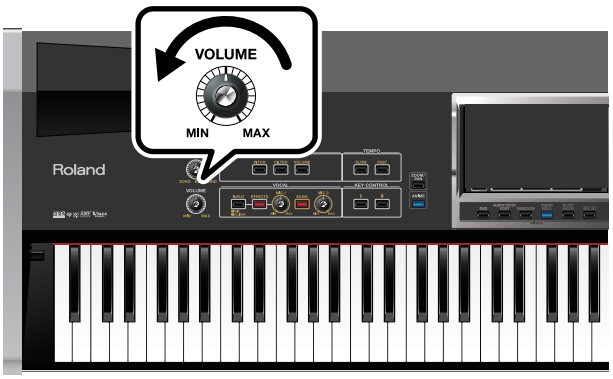
Turning the Power On/Off

NOTE

Once the connections have been completed, turn on power to your various devices in the order specified. By turning on devices in the wrong order, you risk causing malfunction and/or damage to speakers and other devices.

Turning the power on

1. Turn the [VOLUME] knob all the way to the left to minimize the volume.



2. If the CD drive is not being powered on/off in synchronization with the RK-300, turn the CD drive's power switch "ON."

3. Press the [Power ON] switch.

The power will turn on, several images will appear in the RK-300's screen, and then the main screen (p. 24) will appear.

After a brief interval, the RK-300 will be ready to produce sound when you play the keyboard.

* This unit is equipped with a protection circuit. A brief interval (a few seconds) after power up is required before the unit will operate normally.

4. Use the [VOLUME] knob to adjust the volume (p. 34).

Turning the power off

1. Turn the [VOLUME] knob all the way to the left to minimize the volume.

2. Press the [Power ON] switch.

The screen will disappear, and the power will turn off.

3. If the CD drive's power is not being switched on/off in sync with the RK-300, turn the CD drive's power switch "OFF."

NOTE

- If you need to turn off the power completely, first turn off the [Power ON] switch, then unplug the power cord from the power outlet. Refer to "Power Supply" (p. 17).

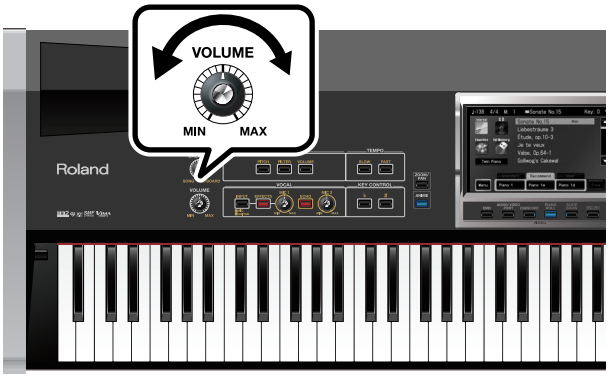
Adjusting the Volume

Here's how to adjust the volume of your keyboard playing or the playback volume of an internal song or CD song.

If headphones are connected, use the [VOLUME] knob to adjust the headphone volume.

1. Turn the [VOLUME] knob to adjust the overall volume.

Adjust the volume while you play the keyboard to produce sound.



MEMO

- You can also use the remote control to adjust the volume. Refer to "Button Functions" (p. 91).

NOTE

- Even if the [VOLUME] knob is raised, you won't hear any sound if the volume has been set to "0" using the remote's VOLUME [-] [+] buttons or if the [MUTE] button was pressed.

Formatting the User Memory

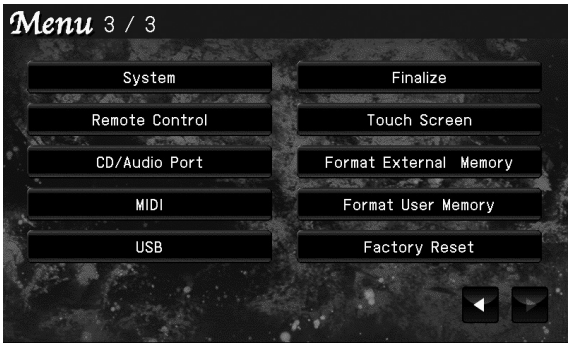
When you've finished connecting USB memory to the USER MEMORY connector, you'll need to format the USB memory so that it can be used as "user memory."

1. Access the main screen.

* If you're not at the main screen, press the [EXIT] button a number of times until the main screen appears.

2. Touch < Menu >.

The Menu screen appears.



* There are three menu screens. Touch ◀ ▶ to switch screens.

3. Touch < Format User Memory >.

A confirmation message appears.

* By touching < Cancel > you can return to the previous screen without formatting.

4. Touch < OK >.

Formatting will begin.

The entire contents of user memory will be formatted.

NOTE

- Never turn off the power while the screen shows the message "Now formatting..."

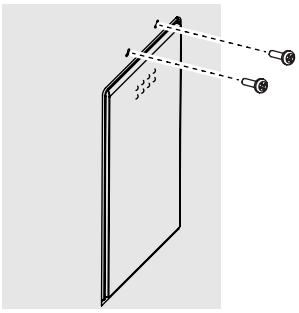
MEMO

- If the screen indicates "Error," refer to the "Error Messages" (p. 209).

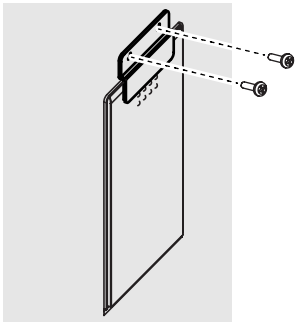
Locking the USER MEMORY Connector Cover

To prevent theft or loss of the USB memory connected to the USER MEMORY connector, you can lock the USER MEMORY connector cover.

1. Use a screwdriver to remove the two screws that lock the USER MEMORY connector cover.



2. As shown in the illustration below, use the screws to fasten the USER MEMORY connector cover lock.

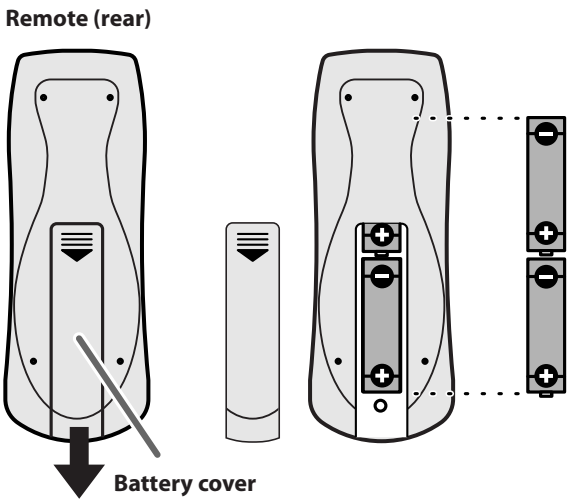


NOTE

- You must fasten the USER MEMORY connector cover lock using the screws you removed.

Installing Batteries in the Remote

Install the included batteries (two) into the remote control unit.



1. Slide the cover located on the rear of the remote to open it.

2. Insert the two LR6 (AA) type batteries in the orientation shown on the remote.

* Be sure to observe the correct polarity (+, -) for each battery.

3. Slide the cover closed.

NOTE

- If used improperly, batteries may explode or leak and cause damage or injury. In the interest of safety, please read and observe the following precautions.
  - Avoid using new batteries together with used ones. In addition, avoid mixing different types of batteries.
  - Remove the batteries whenever the unit is to remain unused for an extended period of time.
  - If a battery has leaked, use a soft piece of cloth or paper towel to wipe all remnants of the discharge from the battery compartment. Then install new batteries. To avoid inflammation of the skin, make sure that none of the battery discharge gets onto your hands or skin. Exercise the utmost caution so that none of the discharge gets near your eyes. Immediately rinse the affected area with running water if any of the discharge has entered the eyes.
  - Never keep batteries together with metallic objects such as ballpoint pens, necklaces, hairpins, etc.

Copying Songs from the Included CD to “Favorites”

Here’s how to copy songs from the included CD to “Favorites” (user memory).

NOTE

If USB memory is not connected to the USER MEMORY connector, you won’t be able to copy to “Favorites.”

1. Insert the included CD into the CD drive.

After a brief interval, a list of the songs in the included CD will appear in the screen.

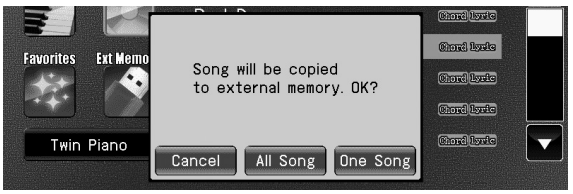
2. Use the [PREV] or [NEXT] button to select a song.

MEMO

You can also select a song by touching it in the screen.

3. Press the [COPY/SAVE] button.

The following screen appears.



* If you decide not to copy the song, touch < Cancel >.

4. Touch < One Song > if you want to copy a single song, or < All > if you want to copy all songs.

The song(s) from the included CD will be copied to “Favorites.”

NOTE

- Never turn off the power while the screen indicates “Copying...”

Connecting External Memory

You can connect USB memory to the EXT MEMORY connector, and play back songs that were saved on the USB memory. Songs you’ve recorded on the RK-300 can also be copied to USB memory for safekeeping (p. 152).

NOTE

Use USB memory sold by Roland. We cannot guarantee operation if any other USB memory is used.

MEMO

Before using newly purchased USB memory, you’ll need to format (initialize) it on the RK-300. For details, refer to “Initializing External Memory (Format External Memory)” (p. 192).

1. Connect the USB memory to the EXT MEMORY connector as shown in the illustration below.

* Make sure that the memory is plugged in all the way. Do not use excessive force.

Adjusting the Brightness of the Screen

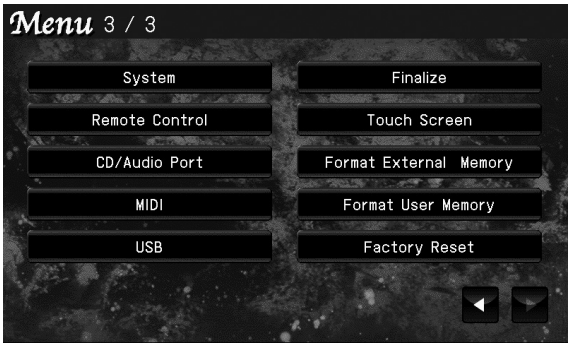
You can adjust the screen brightness for best visibility.

1. Access the main screen.

* If the main screen is not shown, press the [EXIT] button until the main screen appears.

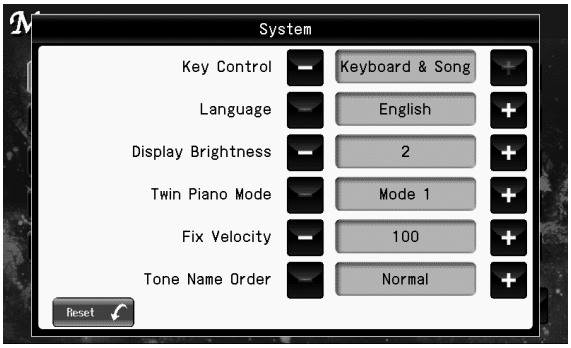
2. Touch < Menu >.

The Menu screen appears.



* There are three menu screens. Touch ◀ ▶ to switch screens.

3. Touch < System >.



4. Touch "Display Brightness" − + to adjust the brightness.

Setting	Explanation
1–3	Higher settings will make the display brighter.

5. Press the [EXIT] button when you've finished making adjustments.

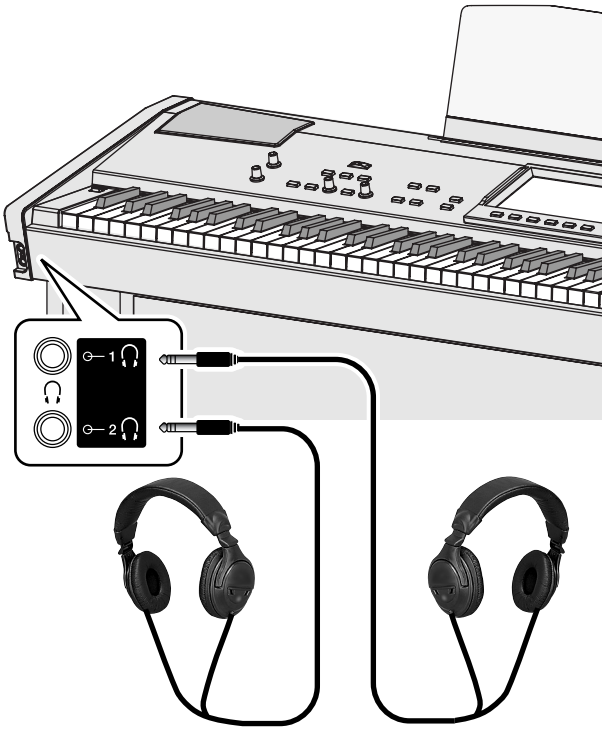
Cautions regarding the LCD display

- In order to provide the highest possible image quality, the RK-300 uses a TFT liquid crystal display. Due to the nature of a TFT liquid crystal display, the screen may contain pixels that fail to light or that remain constantly lit, but please be aware that this is not a malfunction or defect.
- The brightness may be affected by the temperature.

Listening Through Headphones

You can use headphones to enjoy the RK-300 without disturbing those around you, such as at night. Since the RK-300 has two headphone jacks, two people can also use headphones simultaneously.

If you're using only one set of headphones, you may connect them to either of the two headphone jacks.



1. Plug the headphones into the Phones jack.

If headphones are connected, no sound will be output from the RK-300's speakers.

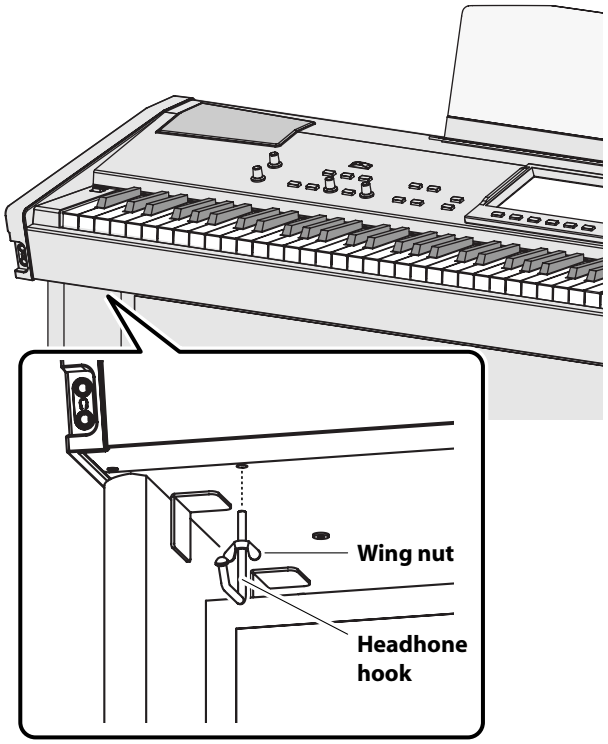
2. Use the RK-300's [VOLUME] knob (p. 34) to adjust the headphone volume.

NOTE

- To prevent damage to the cord's internal conductors, avoid rough handling. When using headphones, mainly try to handle either the plug or the headset.
- Your headphones may be damaged if the volume of a device is already turned up when you plug them in. Minimize the volume before you plug in the headphones.
- Excessive input will not only damage your hearing, but may also strain the headphones. Please enjoy music at an appropriate volume.
- Use headphones that have a stereo 1/4" phone plug.

Attaching the Headphone Hook

Whenever you are not using the headphones, you can hang them on the headphone hook of the RK-300.



1. Press and twist the headphone hook included with the RK-300 into the hole in the bottom left of the RK-300 (refer to the figure above).

2. Turn the headphone hook wing nut to secure the headphone hook.

NOTE

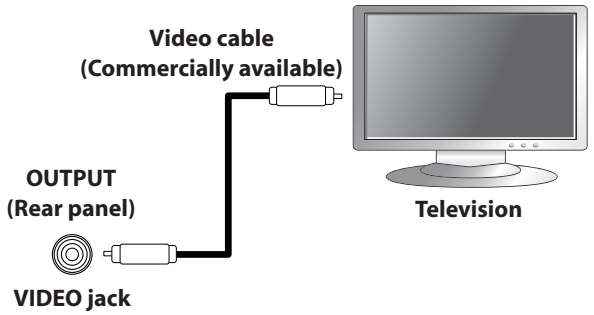
- Do not hang anything other than headphones on the headphone hook. Doing so may damage the instrument or the hook.

Connecting an External Display or a Television

NOTE

You can't use the VIDEO OUTPUT jack and ANALOG RGB OUT connector at the same time.

Connecting a Television



NOTE

Before you make connections to other devices, you must turn down the volume of all devices and turn off their power to prevent malfunctions or damage to your speakers.

1. **Switch off the RK-300 and the television you'll be connecting (p. 33).**
2. **Connect the RK-300 to your television, use a video cable (commercially available) to connect the RK-300's VIDEO OUTPUT jack to the television.**
3. **Switch on the RK-300 (p. 33).**
4. **Switch on your television.**
5. **Set to "Video" at "Selecting the Video Output Destination" (p. 40).**
6. **(As necessary) Specify the television output format (p. 175).**
7. **Specify the aspect ratio (ratio between width and height) for your television (p. 176).**

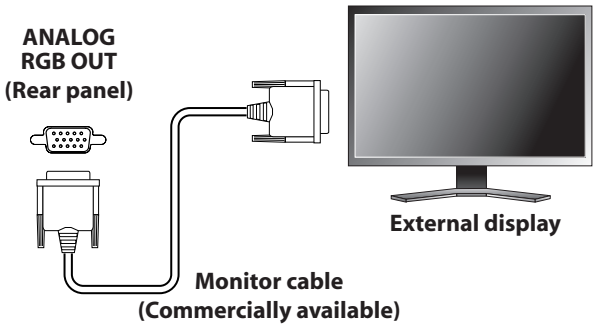
MEMO

- The aspect ratio is the proportional relationship between the width and height of the screen. The RK-300's screen has an aspect ratio of 16:9. Televisions can have an aspect ratio of either 4:3 or 16:9 (wide screen).

NOTE

- There are small areas at the left and right of the screen that do not show an image; this is due to the design of the RK-300.

Connecting an External Display



Types of display that can be connected

In general, you can connect any display that is sold as a "multiscan monitor." However, to be certain, please check the following specifications before you connect your display.

Resolution	800 x 480 pixels or more
Horizontal scan rate	31.5 kHz
Vertical scan rate	60 Hz
Connector	Three-row 15-pin D-sub type
Signal	Analog

NOTE

Before you make connections to other devices, you must turn down the volume of all devices and turn off the power to prevent malfunctions or damage to your speakers.

1. **Switch off the RK-300 and the display you'll be connecting (p. 33).**
2. **Use a commercially available monitor cable to connect the RK-300's ANALOG RGB OUT connector to the analog RGB connector of your display.**
3. **Switch on the RK-300 (p. 33).**
4. **Switch on the connected display.**

MEMO

For details on how to use your external display, refer to the owner's manual for your display.

5. **Set to "RGB" at "Selecting the Video Output Destination" (p. 40).**

Selecting the Video Output Destination

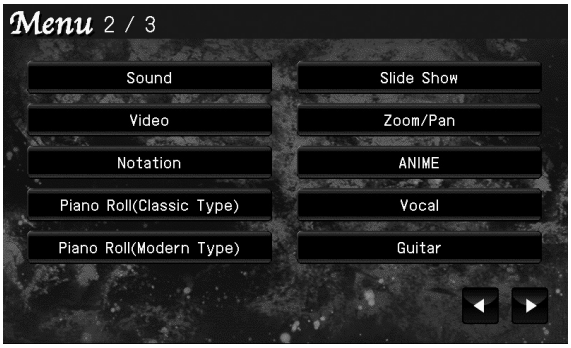
Here's how to choose whether the image will be shown on a television connected to the VIDEO OUTPUT jack or an external display connected to the ANALOG RGB OUTPUT connector.

1. Access the main screen.

* If the main screen is not shown, press the [EXIT] button until the main screen appears.

2. Touch < Menu >.

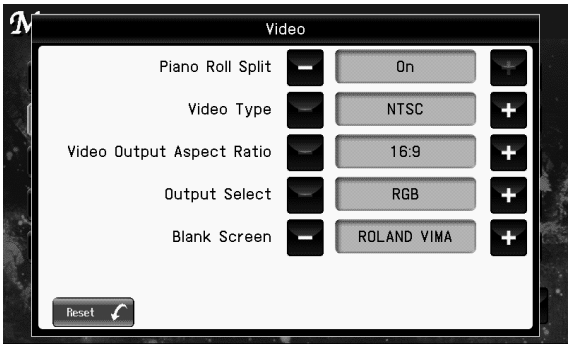
The Menu screen appears.



* There are three menu screens. Touch ◀ ▶ to switch screens.

3. Touch < Video >.

The following screen appears.



4. Touch "Output Select" − + to select the video output destination.

Setting	Explanation
Video	VIDEO OUTPUT jack
RGB	ANALOG RGB OUTPUT connector

NOTE

In some cases, the RK-300's display screen may flicker when you switch this setting, but this does not indicate a malfunction.

5. Press the [EXIT] button when you've finished making the setting.

Switching Off Your Television or External Display

You must turn off the power of the television or external display in the following order.

1. Minimize the volume of the RK-300 (p. 34).

2. Switch off the connected television or display.

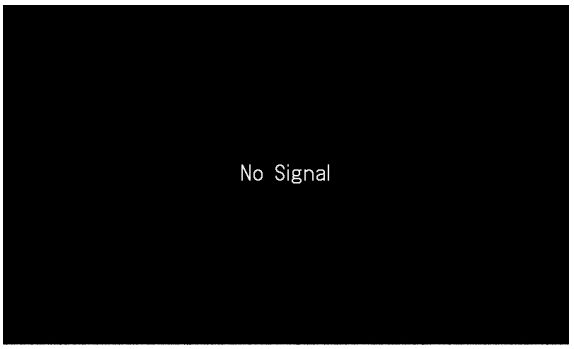
3. Switch off the RK-300 (p. 33).

Using the RK-300's Display to Check the Image Shown on the External Display (Video Monitor)

Here's how you can use the RK-300's display to view the image that's being shown on the external display or television connected to the RK-300. Normally, the RK-300's display will show the main screen.

1. Press the [VIDEO MONITOR] button so it's lit.

The RK-300's own display will show the same image as shown on the externally connected display or television.

If the video function is off	
(When all video function select buttons (p. 21) are unlit:) **The VIMA logo is shown.** * You can use the Blank Screen (p. 176) setting to change the image.	
If no external video device is connected	
Example: If you press the [DVD] button when nothing is connected to the DVD INPUT jacks, **a message like the one shown at right will appear**.	

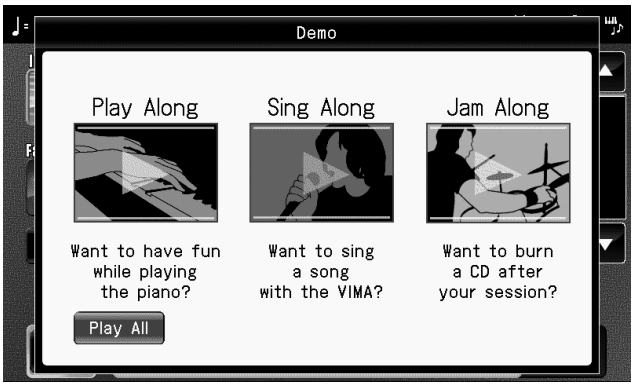
2. To return to the main screen, press the [VIDEO MONITOR] button or the [EXIT] button to turn off the [VIDEO MONITOR] button's light.

Experiencing the RK-300 Demo

You can experience three different demos that introduce the most important functions.

1. While holding down the [VIDEO MONITOR] button, press the [EXIT] button.

The demo menu screen appears.



2. Touch the demo that you want to experience.

The [VIDEO MONITOR] button will automatically turn on (lit), and the demo image will appear in the RK-300's display.

If an external display or television is connected to the RK-300, the demo will also appear on the external display or television.

* **If you touch < Play All >**, the three demos will continue playing consecutively until you press the [EXIT] button.

3. To end the demo, press the [EXIT] button.

NOTE

• All rights reserved. Unauthorized use of this material for purposes other than private, personal enjoyment is a violation of applicable laws.

MEMO

Performing

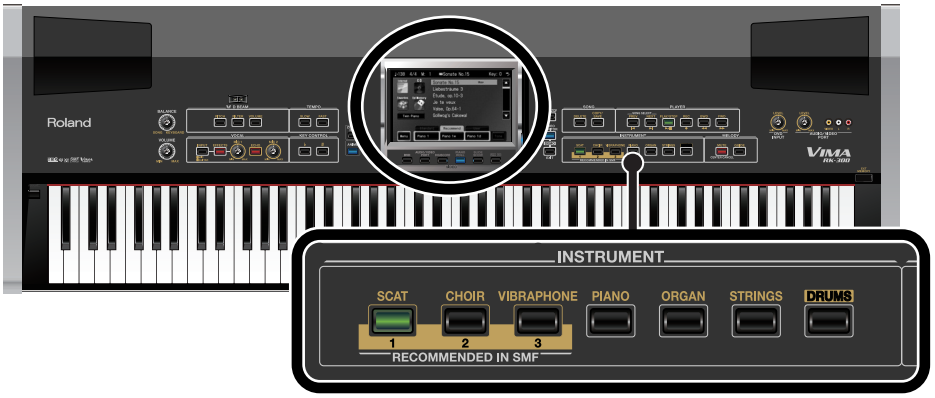
Playing the Piano

The RK-300's high-quality grand piano sound allow you to enjoy a true piano performance experience.

Selecting a Sound

The RK-300 has seven "tone buttons."

Press a tone button to select the instrumental sound that you want to play.



1. Access the main screen.

* If the main screen is not shown, press the [EXIT] button until the main screen appears.

2. Touch the < Standard > tab.

3. Press one of the tone buttons to select a sound.

4. Play the keyboard.

You'll hear the sound of the selected instrument.

MEMO

- If you've selected "Recommend" (recommended tones) in the main screen, you'll be able to play instrumental sounds that are appropriate for the selected internal song or VIMA TUNES (CD-ROMs produced for VIMA) (p. 95).
- If you've selected "User" (user tones), you'll be able to play the sounds you assigned to INSTRUMENT buttons [1]–[3] (p. 57).

Changing the Brightness of the Sound (Brilliance)

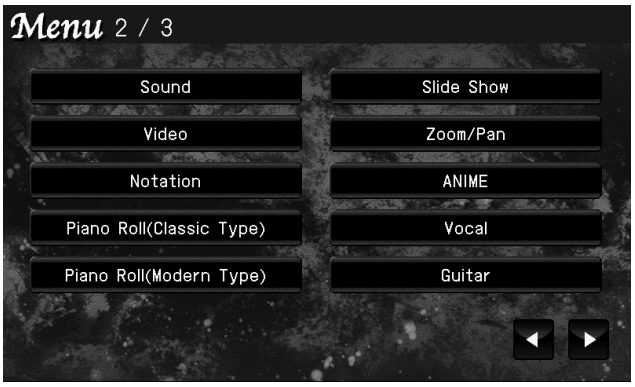
You can adjust the brightness of the sound heard when you play the keyboard.

1. Access the main screen.

* If the main screen is not shown, press the [EXIT] button until the main screen appears.

2. Touch < Menu >.

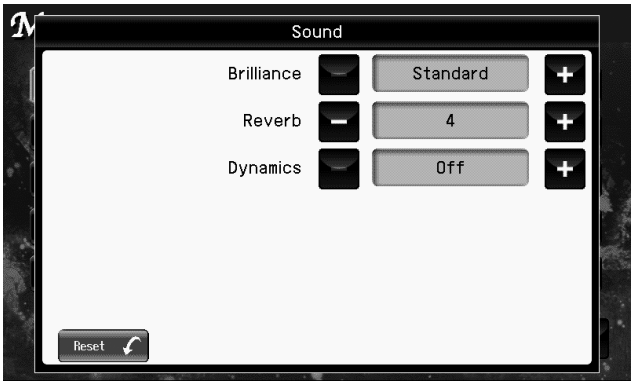
The Menu screen appears.



* There are three menu screens. Touch ◀ ▶ to switch screens.

3. Touch < Sound >.

The following screen appears.



4. Touch "Brilliance" − + to adjust the setting.

Setting
Standard, Mellow, Bright

MEMO If you touch < Reset >, all settings (parameters) shown in the current screen will return to their factory-set values.

5. When you're finished making adjustments, press the [EXIT] button.

Adding Reverberation (Reverb)

You can add reverberation (reverb) to the sound.

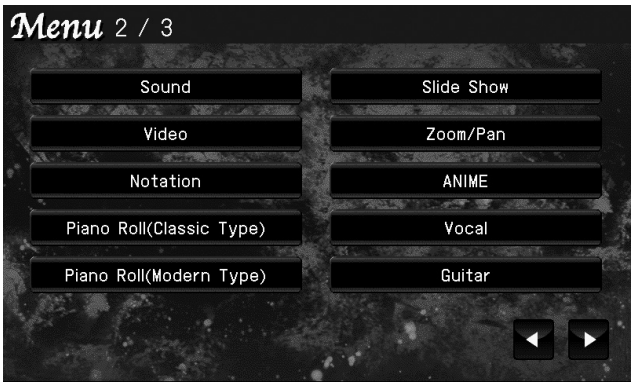
Adding reverb will produce the spacious sensation of performing in a concert hall.

1. Access the main screen.

* If the main screen is not shown, press the [EXIT] button until the main screen appears.

2. Touch < Menu >.

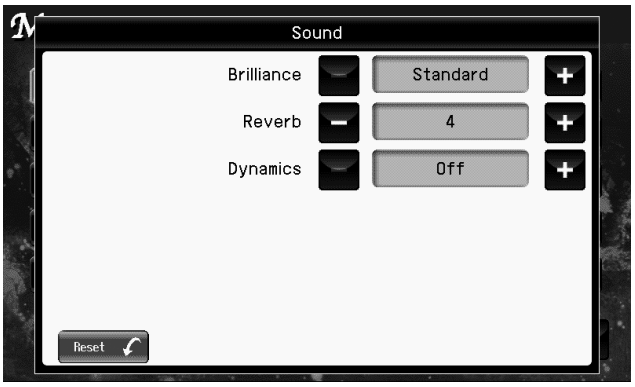
The Menu screen appears.



* There are three menu screens. Touch ◀ ▶ to switch screens.

3. Touch < Sound >.

The following screen appears.



4. Touch "Reverb" − + to adjust the setting.

Setting	Explanation
Off, 1–10	Higher settings produce deeper reverb, enhancing the sense of spaciousness and depth. With a setting of Off there will be no reverb.

MEMO If you touch < Reset >, all settings (parameters) shown in the current screen will return to their factory-set values.

5. When you're finished making adjustments, press the [EXIT] button.

Adding Liveliness to the Sound (Dynamics)

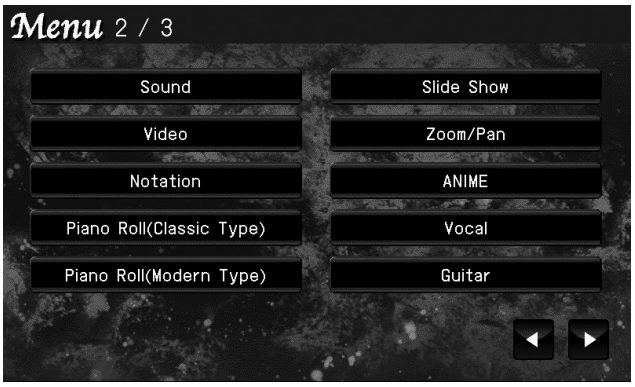
You can add liveliness to the sound to give it superb clarity and distinctness.

1. Access the main screen.

* If the main screen is not shown, press the [EXIT] button until the main screen appears.

2. Touch < Menu >.

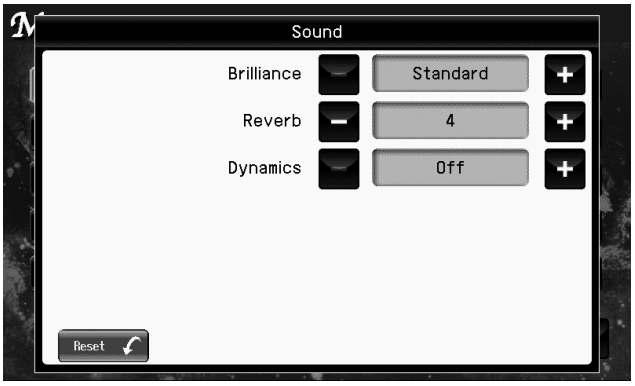
The Menu screen appears.



* There are three menu screens. Touch ◀ ▶ to switch screens.

3. Touch < Sound >.

The following screen appears.



4. Touch "Dynamics" − + to adjust the setting.

Setting	Explanation
Off	Dynamics sound control is turned off.
Sharp	Creates a sound with boosted bass and treble.
Clear	Produces a sound with chords in the low registers that are clear and distinct.
Power	Creates a sound with boosted bass.

MEMO If you touch < Reset >, all settings (parameters) shown in the current screen will return to their factory-set values.

5. When you're finished making adjustments, press the [EXIT] button.

Creating Your Own Piano Sound (Piano Designer)

The RK-300 lets you make detailed adjustments to the piano sound as desired. This function is called "Piano Designer."

NOTE Some of the "Piano Designer" functions apply only to specific sounds. For details, refer to the explanation of the Piano Designer functions.

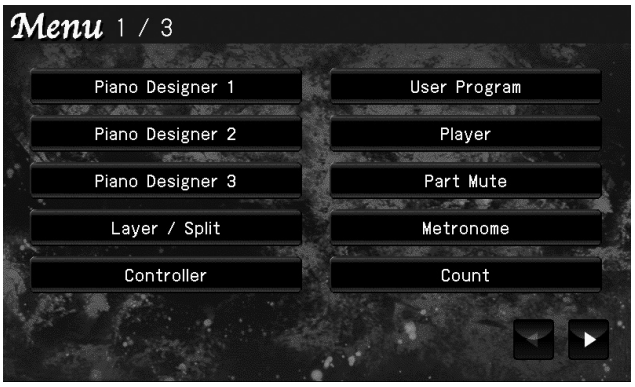
MEMO Whenever you change any of the settings for the items in the "Piano Designer" screens, the setting changes you've made will be stored automatically as soon as you close the screen.

1. Access the main screen.

* If the main screen is not shown, press the [EXIT] button until the main screen appears.

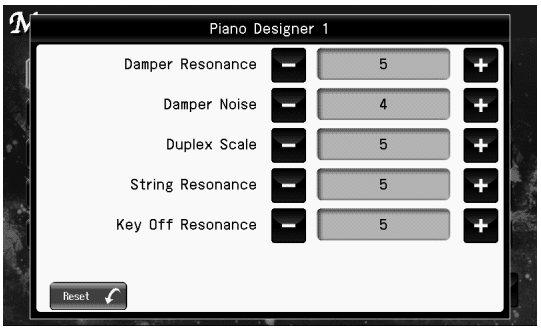
2. Touch < Menu >.

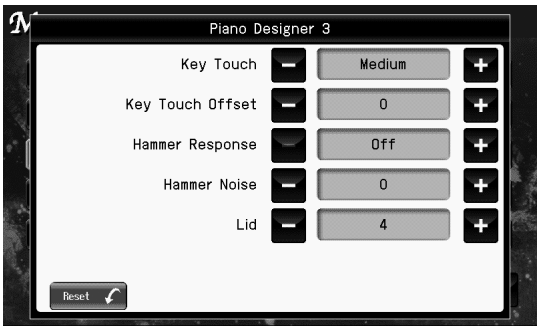
The Menu screen appears.

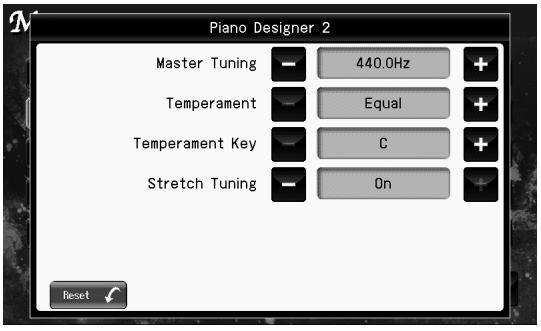


* There are three menu screens. Touch ◀ ▶ to switch screens.

3. Touch < Piano Designer 1 >–< Piano Designer 3 >.





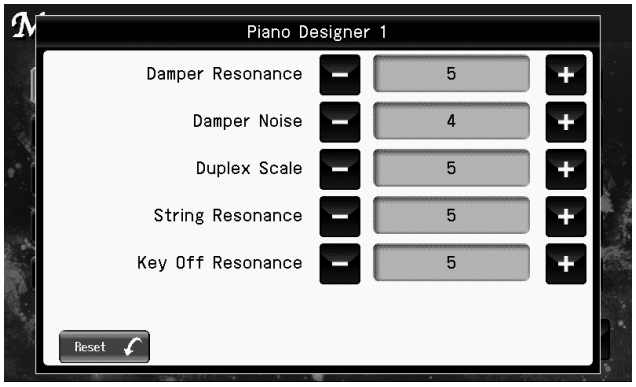


4. To change the setting, touch [−] [+] for the item you want to specify.

Parameter	Item	Page
Piano designer 1		
Damper Resonance	The sound of resonance in other strings caused by the sound of the fingered key, when the damper pedal is depressed	p. 50
Damper Noise	The sound heard when strings are released by depressing the damper pedal	
Duplex Scale	The sound of aliquot resonance	
String Resonance	The resonant sound of strings for keys already held down when the keyboard is fingered	p. 51
KeyOff Resonance	The sound when a key is released	
Piano designer 2		
Master Tuning	Matching the pitch with other instruments	p. 51
Temperament	Equal temperament, tunings originally used for baroque and other styles of classical music, and arabic scale	p. 52
Temperament Key	Specifies the tonic when using a tuning other than equal temperament	
Stretch Tuning	A distinctive piano tuning	
Piano designer 3		
Key Touch	Adjust the touch sensitivity of the keyboard	p. 53
Key Touch Offset	Fine adjustment to the touch sensitivity	
Hammer Response	Time from when the key is fingered until the piano sound is heard.	
Hammer Noise	The sound of hammers striking strings	p. 54
Lid	Adjusts the extent to which the lid of the grand piano is open	

5. When you're finished making settings, press the [EXIT] button.

Piano Designer 1



MEMO

If you touch < Reset >, all settings (parameters) shown in the current screen will return to their factory-set values.

Adjusting Resonance when the Damper Pedal is Depressed (Damper Resonance)

You can change the volume of the damper pedal resonance.

On an acoustic piano, depressing the damper pedal makes the notes you play resonate with other strings, adding rich reverberations and fatness to the sound. The damper pedal on the RK-300 recreates this resonance (Damper Resonance) when depressed.

NOTE

This setting applies only for the front panel [PIANO] button and for the piano tones Superior Grand and Natural Grand. It is not available for other tones.

Setting	Explanation
Off, 1–10	The resonance volume decreases as the value is lowered, while raising the value increases the volume of the Damper Resonance. The Damper Resonance function is not active when the value is set to "Off."

Adjusting the Sound Heard at String Release When the Damper Pedal is Depressed (Damper Noise)

You can adjust the damper noise of the acoustic piano sound (the sound of the damper releasing the strings when you press the damper pedal).

NOTE

This setting applies only for the front panel [PIANO] button and for the piano tones Superior Grand and Natural Grand. It is not available for other tones.

NOTE

This setting is ignored when Damper Resonance is set to "Off."

Setting	Explanation
Off, 1–10	Larger values produce correspondingly greater damper noise. The Damper Noise function is not active when the value is set to "Off."

Adjusting the Sympathetic Vibrations of an Acoustic Piano's Duplex Scale (Duplex Scale)

"**Duplex Scale**" refers to a system that causes sympathetic vibrations in the sections of the string toward the front and toward the back.

It can produce sound that is richer and brighter by adding the string's higher harmonics.

Because no damper (sound-stopping mechanism) is applied to the front or back sections of the string, the resonating sounds linger even after the sound of the string stops when you release the played key.

NOTE

This setting applies only for the front panel [PIANO] button and for the piano tones Superior Grand and Natural Grand. It is not available for other tones.

Setting	Explanation
Off, 1–10	Higher settings will make the sympathetic vibration louder. The Duplex Scale function is not active when the value is set to "Off."

Producing the Resonance of the Strings when the Keys Are Played (String Resonance)

When you play the keys on an acoustic piano, the strings that are already playing resonate as well. The function that reproduces this effect is called "String Resonance."

NOTE

This setting applies only for the front panel [PIANO] button and for the piano tones Superior Grand and Natural Grand. It is not available for other tones.

Setting	Explanation
Off, 1–10	The resonance level decreases as the value is decreased, while increasing the value increases the amount of resonance. The String Resonance function is not active when the value is set to "Off."

Playing Sounds When the Keys Are Released (Key Off Resonance)

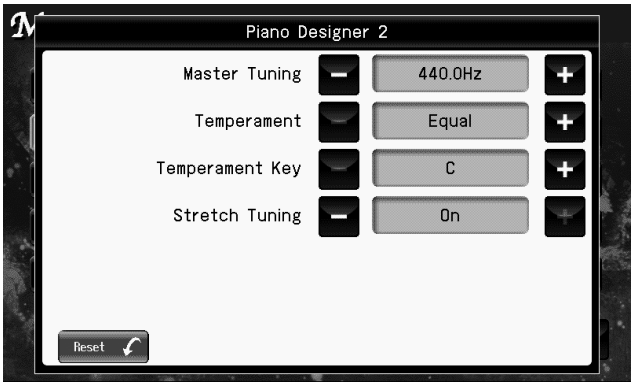
You can play the "key off" sound (the subtle sound produced when the keys are released) obtained when playing an acoustic piano.

NOTE

This setting applies only for the front panel [PIANO] button and for the piano tones Superior Grand and Natural Grand. It is not available for other tones.

Setting	Explanation
Off, 1–10	The volume of the Key Off sound decreases as the value is lowered, while raising the value increases the volume of the Key Off sound. The Key Off Resonance function is not active when the value is set to "Off."

Piano Designer 2



MEMO

If you touch < Reset >, all settings (parameters) shown in the current screen will return to their factory-set values.

Tuning to Other Instruments' Pitches (Master Tuning)

In situations such as when playing ensemble with other instruments, you can tune the RK-300's standard pitch to the pitch of another instrument.

The standard pitch generally refers to the pitch of the note that's played when you finger the middle A key.

This tuning of all the instruments to a standard pitch is called "tuning."

NOTE

This setting applies to all tones.

Setting
415.3 Hz–440.0 Hz–466.2 Hz

MEMO

If you continue touching the master tuning [−] [+], the value will change continuously.

Changing the Tuning (Temperament)

You can play classical styles such as Baroque using historic temperaments (tuning methods).

Most modern songs are composed for and played in equal temperament, the most common tuning in use today. But at one time, there were a wide variety of other tuning systems in existence.

By playing in the temperament that was in use when a composition was created, you can experience the sonorities of chords originally intended for that song.

NOTE

This setting applies to all tones.

Setting	Explanation
Equal	This temperament divides the octave into 12 equal parts. All intervals will be slightly out of tune by the same amount.
Just Major	This temperament makes the 5th and 3rd intervals pure. It is unsuitable for playing melodies and modulation is not possible, but it produces beautifully harmonious chords.
Just Minor	Just intonation differs between major and minor keys. The same results as major can be obtained in a minor key.
Arabic	This tuning is suitable for the music of Arabia.
Kirnberger	This temperament is a modification of meantone temperament and just intonation, allowing more freedom of modulation. It allows you to play in all keys (third method).
Meantone	This temperament is a partial compromise of just intonation in order to allow modulation.
Pythagorean	This temperament is based on the theories of the Greek philosopher Pythagoras, and has pure fourths and fifths. Chords containing a third will sound impure, but melodies will sound good.
Werckmeister	This temperament is a combination of meantone and Pythagorean temperaments. It allows you to play in all keys. (First method, number three.)

Setting the Temperament Key

When playing with tuning other than equal temperament, you need to specify the tonic note for tuning the song to be performed (that is, the note that corresponds to C for a major key or to A for a minor key).

If you choose an equal temperament, there's no need to select a tonic note.

NOTE

This setting applies to all tones.

Setting
C, C#, D, Eb, E, F, F#, G, Ab, A, Bb, B

NOTE

When performing in ensemble with other instruments, be aware that depending on the key, there may be some shifting of the pitch. Tune the RK-300 to the fundamental pitch of the other instruments.

Setting the Tuning Curve (Stretch Tuning)

Pianos are generally tuned so that the low range is flatter and the high range is sharper than equal tempered pitches. This method of tuning is unique to the piano, and is known as "stretched tuning."

A graph that shows the changes in pitch of actual tuning compared with the changes in equal temperament pitch is called a tuning curve.

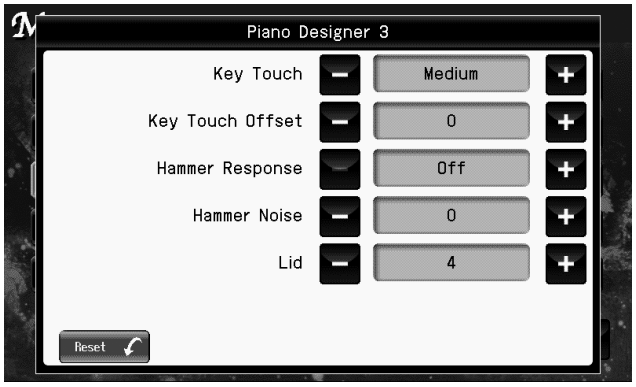
Changing the tuning curve produces subtle variations in the reverberations of the chords you play.

NOTE

This setting applies only for the front panel [PIANO] button and for the piano tones Superior Grand and Natural Grand. It is not available for other tones.

Setting	Explanation
On	This tuning curve expands the bass and treble ends somewhat. It is suitable for performances such as piano solos.
Off	This is the standard tuning curve. It is suitable when playing in an ensemble with other instruments.

Piano Designer 3



MEMO

If you touch < Reset >, all settings (parameters) shown in the current screen will return to their factory-set values.

Adjusting the Keyboard Touch (Key Touch)

You can adjust the touch (playing feel) of the keyboard.

NOTE

This setting applies to all tones.

Setting	Explanation
Fixed	The sound plays at one set volume, regardless of the force used to play the keys.
Super Light	This setting produces the lightest keyboard touch.
Light	You can achieve fortissimo (ff) play with a less forceful touch than usual, so the keyboard feels lighter. This setting makes it easy to play, even for children.
Medium	This sets the standard keyboard touch. You can play with the most natural touch. This is the closest to the touch of an acoustic piano.
Heavy	You have to finger the keyboard more forcefully than usual in order to play fortissimo (ff), so the keyboard touch feels heavier. Dynamic fingering adds even more feeling to what you play.
Super Heavy	This setting produces the heaviest keyboard touch.

Making fine adjustments to the key touch (Key Touch Offset)

This lets you make further detailed adjustments to the keyboard sensitivity as appropriate for the strength of your fingers.

NOTE

This setting applies to all tones.

Setting	Explanation
-10–0–9	Higher settings will produce a heavier playing feel.

Changing the Timing of Sounds According to the Force Used to Press the Keys (Hammer Response)

This adjusts how your playing strength will affect the timing at which the note sounds. This is called the "Hammer Response" function.

On an acoustic piano, pressing a key moves a hammer, which strikes a string to produce sound. If you press the key softly, the hammer will move slowly, meaning that it will take slightly longer (in comparison to a strongly-played note) from the moment you press the key until the sound is produced.

If the Hammer Response function is turned on, the time between the moment you press a key until the sound is heard will change depending on the strength with which you play. As you play more softly, this time will become longer.

NOTE

This setting applies to all tones.

Setting	Explanation
Off, 1–10	Higher settings will produce slower response. The Hammer Response function is not active when the value is set to "Off."

Adjusting the Sound of Hammers Striking Strings (Hammer Noise)

You can adjust the sound produced when the hammer of an acoustic piano strikes the string.

NOTE

This setting applies only for the front panel [PIANO] button and for the piano tones Superior Grand and Natural Grand. It is not available for other tones.

Setting	Explanation
-2–0–2	Higher settings will produce a louder sound of the hammer striking the string.

Opening or Closing the Lid to Change the Resonance (Lid)

Adjusts the extent to which the lid of the grand piano is open.

NOTE

This setting applies only for the front panel [PIANO] button and for the piano tones Superior Grand and Natural Grand. It is not available for other tones.

Setting	Explanation
0–6	As the value decreases, the lid seems to close more, producing a softer sound. increasing the value opens the lid more, producing a brighter sound.

Playing Various Sounds

Playing Sound Effects or Percussion Instruments from the Keyboard

You can play sound effects or percussion instrument sounds from the keyboard.

1. Press the [DRUMS] button so its indicator is lit.

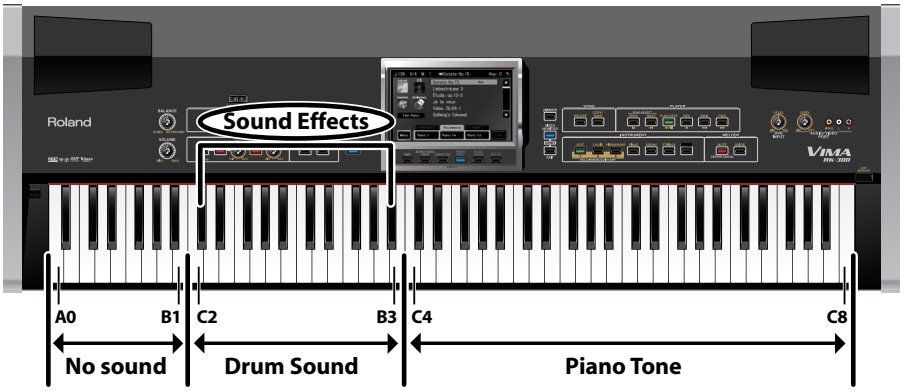
2. Play notes in the C2–B3 range on the keyboard.

The white keys in the C2–B3 range will play drum sounds. The black keys in the C2 to B3 range will play sound effects.

The keys C4–C8 will play the instrumental sound that was selected before you pressed the [DRUMS] button (i.e., the tone button that is lit).

* Playing the A0–B1 keys will not produce sound.

For example, if you had pressed the [PIANO] button and were playing the piano sound, and then pressed the [DRUMS] button, the keyboard will play the following tones.

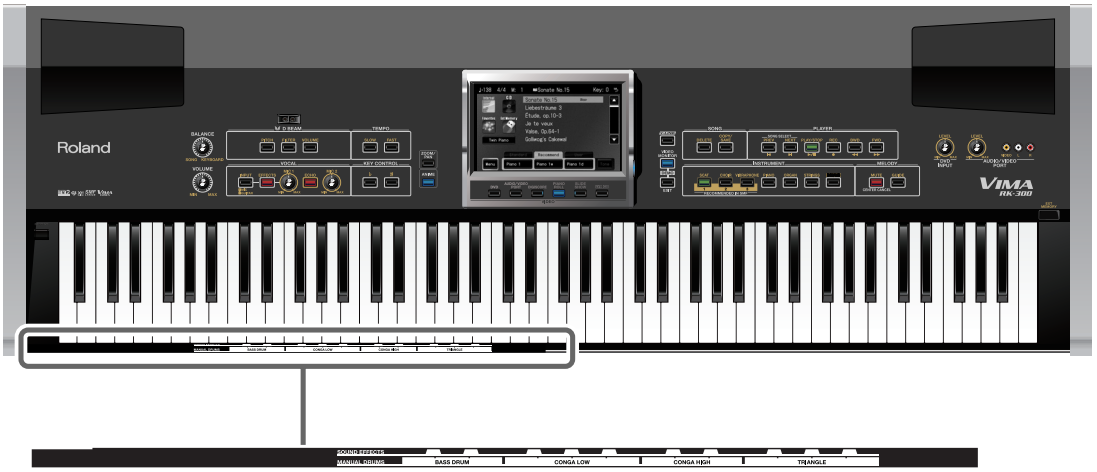


Muting the Percussion Instrument Sounds

1. Press the [DRUMS] button to turn off its indicator.

Affixing the included Drum Key-Map Label

If desired, you can affix the included Drum Key-Map Label in the locations shown below. You may find this a useful when playing percussion instrument sounds.



Drum Key-Map Label

Performing with Your Favorite Sounds (User Tones)

The RK-300 contains the tones of numerous instruments in addition to the seven tones accessible through the INSTRUMENT buttons.

From this large selection of internal instruments, you can select and assign your favorite tones to the [1] button, [2] button, and [3] button. The sounds you assign (user tones) are remembered even when the RK-300's power is off, so you'll find it convenient to register your favorites as user sounds.

Setting user tones

1. Access the main screen.

* If the main screen is not shown, press the [EXIT] button until the main screen appears.

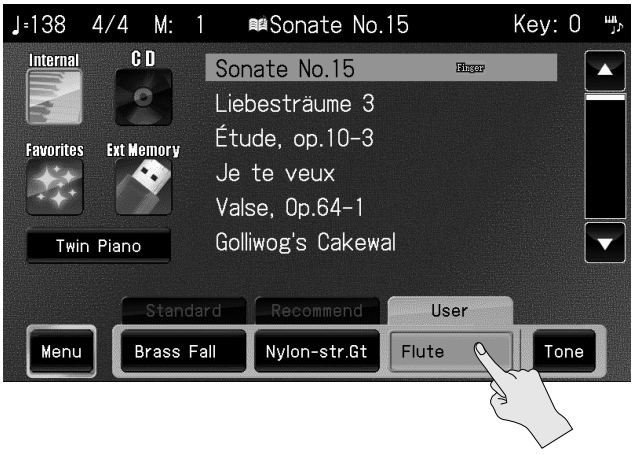
2. Touch < User > tab.

The screen will show three buttons assigned to user sounds. You can also select these sounds by pressing tone buttons [1], [2], or [3].

When the RK-300 is shipped from the factory, "Brass Fall" is assigned to [1] button, "Nylon-str.Gt" is assigned to [2] button, and "Flute" is assigned to [3] button.

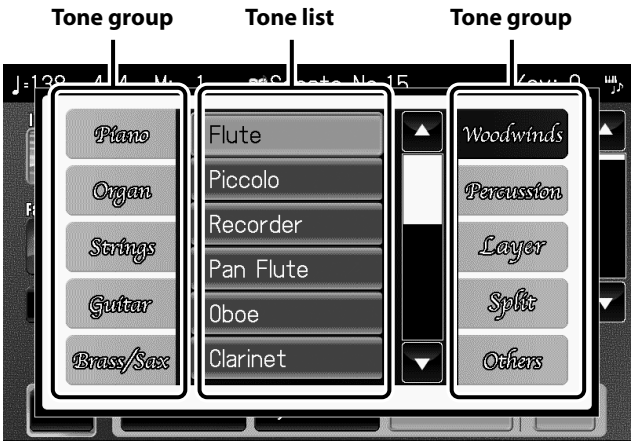
3. Touch the button whose tone assignment you want to change.

You can also press one of the INSTRUMENT buttons [1], [2], or [3] to select the button whose tone assignment you want to change.



4. In the screen, touch <Tone>.

The user tone setting screen appears.



5. Touch the tone group name.

The tone list appears.

* You can also switch the tone list by touching ▲ ▼.

6. Touch the name of a tone.

The selected tone will be assigned to the button as a user tone.

7. Press the [EXIT] button.

Selecting user tones

1. Access the main screen.

* If the main screen is not shown, press the [EXIT] button until the main screen appears.

2. Touch < User > tab.

The screen will show three buttons assigned to user sounds. You can also select these sounds by pressing tone buttons [1], [2], or [3].

3. Touch the user tone indication in the screen to select a user tone.

You can also select a user tone by pressing the [1], [2], and [3] INSTRUMENT buttons of the panel. You will hear the selected tone when you play the keyboard.

Dividing the Keyboard for Two-person Performance (Twin Piano)

You can divide the keyboard into left and right areas so that two people can play the same range of pitches.

This means that you'll be able to use the keyboard as though it were two separate pianos.

1. Access the main screen.

* If the main screen is not shown, press the [EXIT] button until the main screen appears.

2. Touch < Twin Piano >.

The following screen appears.

When you turn Twin Piano on, the instrument will be in the following state.

- The keyboard will be divided into left and right areas, with "middle C" located in the center of each area.
- The left and right areas will have the same sound (Superior Grd).
- The right pedal will be the damper pedal for the right area, and the left pedal will be the damper pedal for the left area.

3. To cancel Twin Piano, press the [EXIT] button.

MEMO

- You can change the way in which the sounds are heard when using the Twin Piano feature. Refer to "Changing the Way in Which the Sound is Heard (Twin Piano Mode)" (p. 183).

Layering Two Sounds (Layer Performance)

By choosing sounds whose names are separated by a "+" (e.g., Piano + Str.1) as a user sound, you can play two sounds layered. This is referred to as "layered performance."

1. Access the main screen.

* If the main screen is not shown, press the [EXIT] button until the main screen appears.

2. Touch < User > tab.

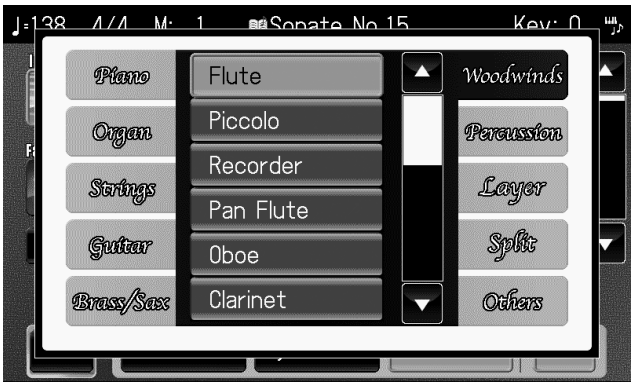
The screen will show three buttons assigned to user sounds. You can also select these sounds by pressing tone buttons [1], [2], or [3].

3. Touch the button whose tone assignment you want to change.

You can also press one of the INSTRUMENT buttons [1], [2], or [3] to select the button whose tone assignment you want to change.

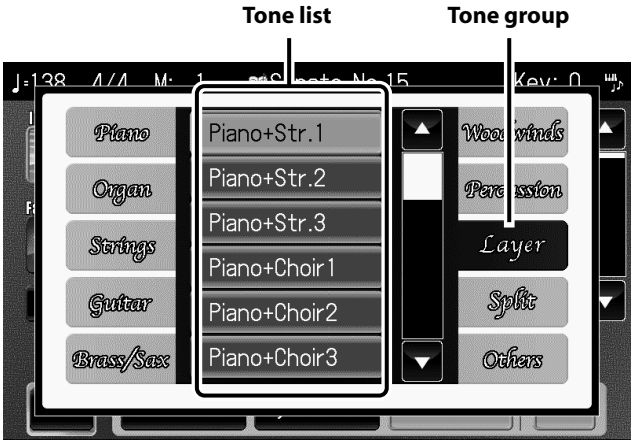
4. In the screen, touch <Tone>.

The user tone setting screen appears.



5. Touch the tone group "Layer."

A list of sounds for layered performance appears.



* You can also switch the tone list by touching ▲ ▼.

6. Touch a sound name.

The selected sound will be assigned to the button as a user sound.

7. Press the [EXIT] button.

Adjusting the volume balance of layered sounds

When you've selected layered sounds, you can adjust the volume balance of the two sounds.

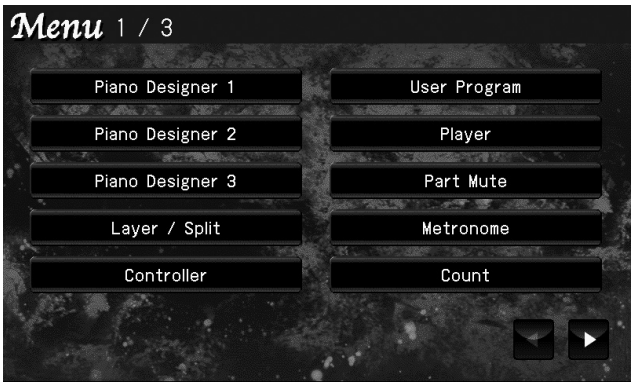
MEMO This setting is remembered for each user button.

1. Access the main screen.

* If the main screen is not shown, press the [EXIT] button until the main screen appears.

2. Touch < Menu >.

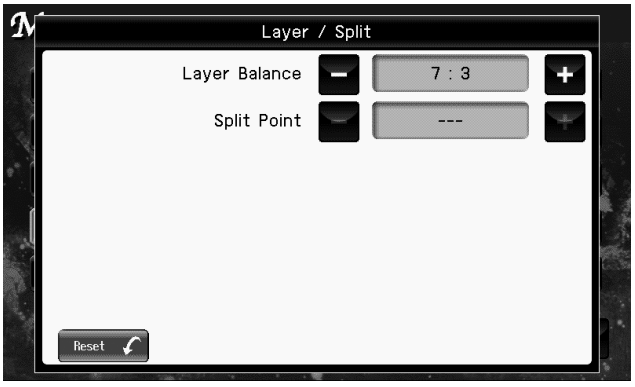
The Menu screen appears.



* There are three menu screens. Touch ◀ ▶ to switch screens.

3. Touch < Layer/Split >.

The following screen appears.



4. Touch "Layer Balance" − + to adjust the setting.

Setting	Explanation
9:1, 8:2, 7:3, 6:4, 5:5, 4:6, 3:7, 2:8, 1:9	A higher number means a louder volume. **Example: If you choose a setting of 7:3 for the "Piano + Str.1" sound** Piano = volume 7, Strings 1 = volume 3

MEMO If you touch < Reset >, all settings (parameters) shown in the current screen will return to their factory-set values.

5. When you're finished making adjustments, press the [EXIT] button.

Playing Different Tones with the Left and Right Hands (Split Performance)

By choosing sounds whose names are separated by a "/" (e.g., Piano/ Str.1), you can play separate sounds in the right and left-hand regions, separated by a specific key. This is referred to as "split performance."

Split performance lets you play different sounds in the left-hand and right-hand regions of the keyboard.

When using split performance, the boundary key is called the "split point" and is included in the left-hand keyboard region.

* This is set to "F#3" at the factory settings.

1. Access the main screen.

* If the main screen is not shown, press the [EXIT] button until the main screen appears.

2. Touch < User > tab.

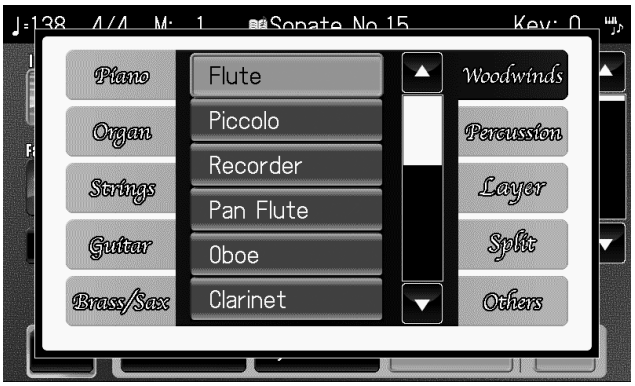
The screen will show three buttons assigned to user sounds. You can also select these sounds by pressing tone buttons [1], [2], or [3].

3. Touch the button whose tone assignment you want to change.

You can also press one of the INSTRUMENT buttons [1], [2], or [3] to select the button whose tone assignment you want to change.

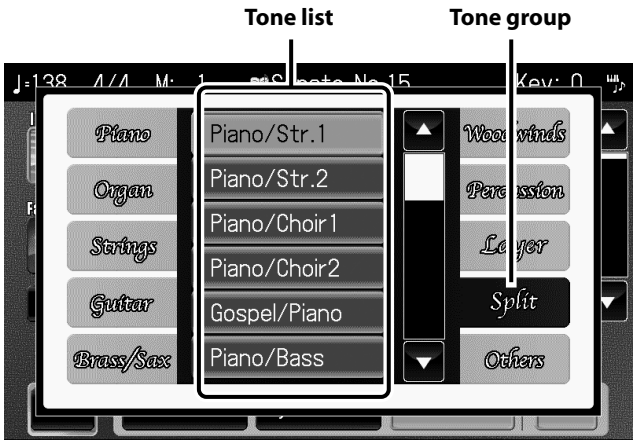
4. In the screen, touch <Tone>.

The user tone setting screen appears.



5. Touch the tone group "Split."

A list of sounds for split performance appears.



* You can also switch the tone list by touching ▲ ▼.

6. Touch a sound name.

The selected sound will be assigned to the button as a user sound.

7. Press the [EXIT] button.

Specifying where the keyboard is divided (Split Point)

Here's how to specify the note (split point) at which the keyboard is divided when using split performance.

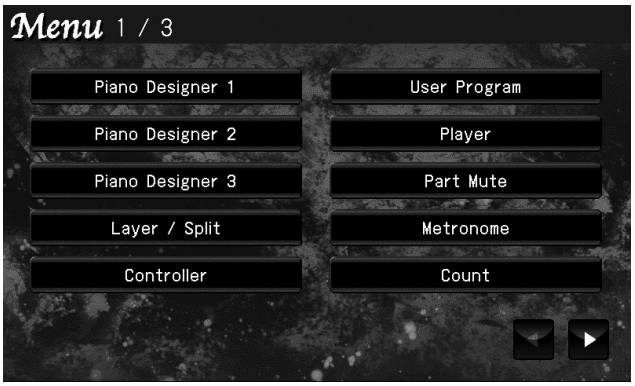
MEMO This setting is remembered for each user button.

1. Access the main screen.

* If the main screen is not shown, press the [EXIT] button until the main screen appears.

2. Touch < Menu >.

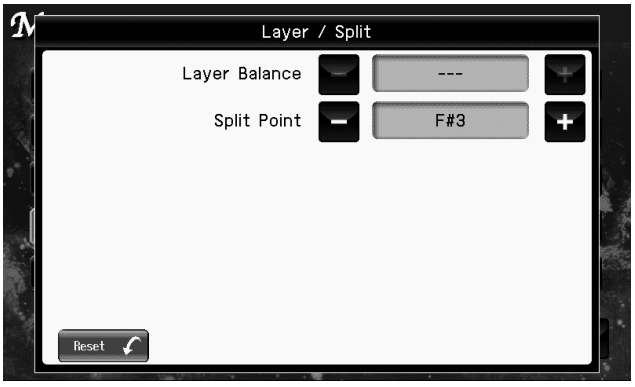
The Menu screen appears.



* There are three menu screens. Touch ◀ ▶ to switch screens.

3. Touch < Layer/Split >.

The following screen appears.



4. Touch "Split Point" − + to make the setting.

Setting
B1–B6

MEMO If you touch < Reset >, all settings (parameters) shown in the current screen will return to their factory-set values.

5. When you're finished making adjustments, press the [EXIT] button.

Using the D Beam Controller for Additional Enjoyment

Modifying the Sound

You can modify the sound simply by moving your hand above the D Beam controller located on the panel.

1. Press a D BEAM button, [PITCH], [FILTER], or [VOLUME], a number of times until the button is lit red.

Button	Button status	Explanation
[PITCH]	Lit red	Changes the pitch of the sounds you play on the keyboard.
[FILTER]		Changes the tonal character of the sounds you play on the keyboard. * For some sounds, the tonal change may be difficult to notice.
[VOLUME]		Changes the volume of the sounds you play on the keyboard.

2. Move your hand above the D Beam controller.

The sounds you play from the keyboard will change as you move your hand above the D Beam controller.

NOTE The sensitivity of the D Beam controller will vary according to the brightness of its surroundings. If it does not operate as you expect, you can readjust the sensitivity. Increasing the D Beam sensitivity value (p. 171) will make it more sensitive.

Effective range of the D Beam controller

The illustration at right shows the effective range of the D Beam controller.

Moving your hand outside this range will not produce any effect.

The effective range of the D Beam controller will be drastically decreased under strong direct sunlight. Please be aware of this when using the D Beam controller outdoors.

3. To turn off the D Beam controller, press the button that's lit enough times to turn off its illumination.

MEMO

- If ANIME effect is on, you can press either the [PITCH], [FILTER], or [VOLUME] button to lit red and use the D Beam controller to modify the ANIME effect (p. 129).

Moving your hand above the D Beam controller to produce a sound effect

In addition to using the D Beam controller to modify the sound, you can also use it to produce a variety of sound effects.

1. Press one of the D BEAM buttons, [PITCH], [FILTER], or [VOLUME], a number of times until the button is lit green.

Button	Button status	Explanation
[PITCH]	Lit green	A snare drum roll is produced.
[FILTER]		Applause by a large audience is produced.
[VOLUME]		The sound of a wind chime is produced.

2. Move your hand above the D Beam controller.

You'll hear the sound effect of the button that's lit green.

3. To turn off the D Beam controller, press the button that's lit enough times to turn off its illumination.

Playing Back Songs

Songs You Can Listen to on the RK-300

You can listen to internal songs, songs you've recorded yourself, songs from a music CD, songs from the CD-ROM included with the RK-300, and songs saved on USB memory (sold separately).

What you can play	Explanation
The RK-300's internal songs	The RK-300 contains numerous built-in 75 songs. While a song plays, you can use an external display or a television to view a slide show suitable for the character of that song.
Songs you record	You can record your performance on the RK-300 and play it back for listening. You can also save such songs in "Favorites."
Songs copied in "Favorites"	You can play songs (SMF format/ audio format) that you've copied from a music CD, CD-ROM, or USB memory to "Favorites."
Songs on external memory	You can play songs (SMF format/ audio format/ MP3 format) from USB memory that's connected to the EXT MEMORY connector.
CD-ROM included with the RK-300	The CD-ROM included with the RK-300 contains 37 different songs. While a song plays, you can use an external display or a television to view a slide show suitable for the character of that song.
VIMA TUNES (CD-ROMs produced for VIMA)	You can play back commercially available CD-ROMs made for the VIMA (VIMA TUNES). While a song plays, you can use an external display or a television to view a slide show suitable for the character of that song.
Music CDs	You can play back standard music CDs.

Touch an icon shown in the main screen to select the location of the song you want to play.

What are "locations"?

On the RK-300, "locations" are the places in which songs are held, such as "Internal (internal songs)," "Favorites (user memory)," "CD," or "Ext Memory (external memory)."

Listening to Internal Songs

The RK-300 contains numerous built-in 75 songs. Here's how to select and play back one of these songs.

MEMO It will be easy to select frequently used songs if you copy them to "Favorites" (p. 80).

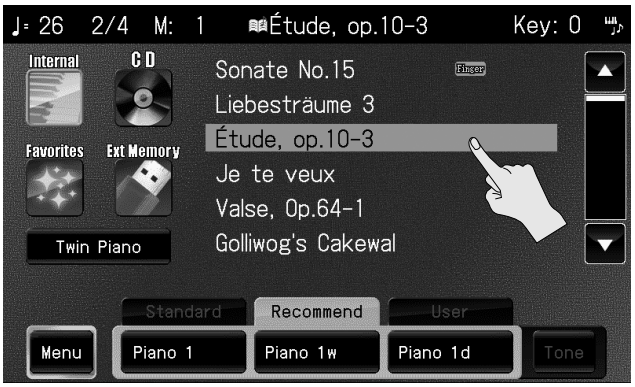
Selecting a song

1. In the main screen, touch (Internal).

* If the main screen is not shown, press the [EXIT] button until the main screen appears.

* If you're using the remote, press the remote's [INTERNAL] button.

The RK-300's screen will show a list of the internal songs.

2. Use the [PREV] [NEXT] buttons to select the song that you want to play.

MEMO You can also select a song by touching it in the screen.

Playing the song

3. Press the [PLAY/STOP] button.

The selected song will play.

Button	Function
[⏮]	Moves to the beginning of the currently selected song. If you're already at the beginning of the song, you'll move to the beginning of the previous song.
[⏭]	Moves to the beginning of the next song.
[◀◀]	While a song is playing, hold down this button to rewind the song.
[▶▶]	While a song is playing, hold down this button to fast-forward the song.

Stopping the song

4. Press the [PLAY/STOP] button once again.

MEMO

- You can also play/stop the song by pressing the remote's [▶/■] button, selects the preceding song by pressing the remote's [⏮◀◀] button, and select the next song by pressing the remote's [▶▶⏭] button.
- When you press the remote [▶/■] button to begin playback, the songs will play back successively, starting with the selected song.

If the following screen appears

If you attempt to select another song before you've saved your recorded song in "Favorites," a screen like the following appears.

If you don't want to keep the song you recorded, touch <OK>. If you do want to keep the song, touch <Cancel> to cancel the song selection, and then save your song in "Favorites." (p. 144)

NOTE

- All rights reserved. Unauthorized use of this material for purposes other than private, personal enjoyment is a violation of applicable laws.

Listening to Songs from CD

Here's how to play back commercially available music CDs, CD-ROMs containing SMF music files, the CD-ROM included with the RK-300, or the VIMA TUNES (CD-ROMs produced for VIMA).

MEMO It will be easy to select frequently used songs if you copy them to "Favorites" (p. 80).

Inserting the CD into the CD drive

1. Insert the CD into the CD drive.

Reading of data from the CD starts when the CD is inserted in the drive. It may take a few moments to complete reading of the data.

When the data has been loaded, a list of the songs on the CD will appear in the main screen.

MEMO The list will show the songs in the following order: (1) SMF format, (2) Audio, (3) MP3 format.

NOTE For a music CD, the screen will show the song numbers. Song names are not shown.

Selecting a song from CD

1. In the main screen, touch (CD).

If you're using the remote, press the remote's [EXTERNAL] button several times to select "CD" as the location of the song you want to play.

The RK-300's screen will show a list of the songs on the CD.

MEMO The list will show the songs in the following order: (1) SMF format, (2) Audio, (3) MP3 format.

NOTE For a music CD, the screen will show the song numbers. Song names are not shown.

NOTE If there's no CD in the CD drive, you won't be able to touch (CD).

2. Press the [PREV] [NEXT] buttons to select the song you want to play.

MEMO You can also select a song by touching it in the screen.

To select a song that's inside a folder

Folders containing songs are indicated by a " " symbol next to their name in the song list. To select a song that's inside this folder, proceed as follows.

1. Touch the folder name.

The folder will be selected.

2. Touch the folder name once again.

A list of the songs in the folder appears.

* You can also open a folder by touching it and then pressing the [PLAY/STOP] button.
* Alternatively, you can use the remote's [⏮] button or [⏭] button to select a folder and press the [▶/■] button to open that folder.

3. In the list of songs, touch to select the song that you want to play.

To exit the folder

4. Touch < > in the screen.

5. Touch < > once again.

Playing the Song from a CD

3. Press the [PLAY/STOP] button.

The selected song will play.

Button	Function
[⏮]	Moves to the beginning of the currently selected song. If you're already at the beginning of the song, you'll move to the beginning of the previous song.
[⏭]	Moves to the beginning of the next song.
[◀◀]	While a song is playing, hold down this button to rewind the song.
[▶▶]	While a song is playing, hold down this button to fast-forward the song.

To stop song playback

4. Press the [PLAY/STOP] button once again.

MEMO

- You can also play/stop the song by pressing the remote's [►/■] button, selects the preceding song by pressing the remote's [|◄◄] button, and select the next song by pressing the remote's [►►|] button.
- When you press the remote [►/■] button to begin playback, the songs will play back successively, starting with the selected song.
- A song from a music CD can be transposed to a key that's more comfortable for you to sing. You can also minimize the volume of the vocal, and perform or sing the vocal yourself.

  "Changing the Song to a Key that's Comfortable for Singing (KEY CONTROL)" (p. 109)

  "Enjoying Karaoke with a Music CD (CENTER CANCEL)" (p. 110)

Removing the CD

5. Press the CD drive's Eject button.

After a brief interval, the CD will be ejected.

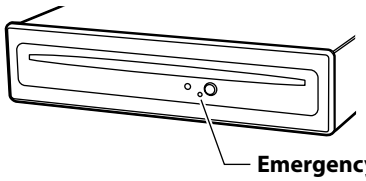
MEMO You can also eject the CD by pressing the remote's [EJECT] button.

NOTE

- Use of the CD supplied with this product for any purpose other than private, personal enjoyment without the permission of the copyright holder is prohibited by law. Additionally, this data must not be copied, nor used in a secondary copyrighted work without the permission of the copyright holder.

If you're unable to remove the CD

If the CD is not ejected when you press the eject button, switch off the power to the RK-300 and the CD drive, and insert a straightened paper clip or similar object into the emergency eject hole to forcibly eject the CD.



NOTE The emergency eject hole must be used only when the RK-300's power is switched OFF. Using it while the power is on may damage the disc or cause serious problems.

Listening to Songs from USB Memory

Here's how you can listen to songs that are saved on USB memory (sold separately). You can also use the keyboard to play along with the song.

MEMO It will be easy to select frequently used songs if you copy them to "Favorites" (p. 80).

Selecting a song

1. Connect the USB memory containing the song you want to listen to the EXT MEMORY connector.

2. In the main screen, touch (Ext Memory).

If you're using the remote, press the remote's [EXTERNAL] button several times to select "Ext Memory (External Memory)" as the location of the song you want to play.

The RK-300's screen will show a list of the songs on USB memory.

MEMO The list will show the songs in the following order: (1) SMF format, (2) Audio, (3) MP3 format.

NOTE If there's no USB memory connected to the EXT MEMORY connector, you won't be able to touch (Ext Memory).

3. Press the [PREV] [NEXT] buttons to select the song you want to play.

MEMO You can also select a song by touching it in the screen.

To select a song that's inside a folder

Folders containing songs are indicated by a "" symbol next to their name in the song list. To select a song that's inside this folder, proceed as follows.

1. Touch the folder name.

The folder will be selected.

2. Touch the folder name once again.

A list of the songs in the folder appears.

* You can also open a folder by touching it and then pressing the [PLAY/STOP] button.
* Alternatively, you can use the remote's [⏮] button or [⏭] button to select a folder and press the [▶/■] button to open that folder.

3. In the list of songs, touch to select the song that you want to play.

To exit the folder

4. Touch <> in the screen.

5. Touch <> once again.

Playing the song

4. Press the [PLAY/STOP] button.

The selected song will play.

Button	Function
[⏮]	Moves to the beginning of the currently selected song. If you're already at the beginning of the song, you'll move to the beginning of the previous song.
[⏭]	Moves to the beginning of the next song.
[◀◀]	While a song is playing, hold down this button to rewind the song.
[▶▶]	While a song is playing, hold down this button to fast-forward the song.

MEMO

- You can also play/stop the song by pressing the remote's [►/■] button, selects the preceding song by pressing the remote's [|◄◄] button, and select the next song by pressing the remote's [►►|] button.
- When you press the remote [►/■] button to begin playback, the songs will play back successively, starting with the selected song.

To stop song playback

5. Press the [PLAY/STOP] button once again.

Deleting a Song from USB Memory

1. Connect the USB memory containing the song you want to delete to the EXT MEMORY connector.

2. In the main screen, touch (Ext Memory).

The RK-300's screen will show a list of the songs saved in USB memory.

3. Press the [PREV] [NEXT] buttons to select the song you want to delete.

MEMO You can also select a song by touching it in the screen.

4. Press the [DELETE] button.

A message will ask you to confirm the operation.

* If you decide not to delete the song, touch <Cancel>.

5. Touch <OK>.

The selected song will be deleted from USB memory.

NOTE

- Never turn off the power while the screen indicates "Executing...."

Registering a Song in “Favorites” (Copy)

What are the “Favorites”?

“Favorites” refers to an area of memory (user memory) in which you can store performances you’ve recorded on the RK-300 or have copied from a connected USB memory or CD-ROM.

The USB memory that’s connected to the RK-300’s rear panel USER MEMORY connector is used as “Favorites.”

Songs you’ve copied to “Favorites” will be retained even after you turn off the power, so if you collect your favorite songs in “Favorites,” you’ll be able to easily select them when you want.

Copying Songs from Internal Memory/ USB Memory/ CD-ROM to “Favorites”

NOTE If you want to copy audio/MP3 format songs from USB memory to the “Favorites,” do so when a CD-R is not inserted in the CD drive. If a CD-R is inserted, writing to the CD-R will take priority, and you won’t be able to copy the data to the “Favorites.”

1. Prepare the song that you want to copy in “Favorites.”

If you want to copy songs from CD-ROM, insert the CD-ROM into the CD drive (p. 72).

If you want to copy songs from USB memory, connect the USB memory (p. 76).

2. Touch the main screen to select the location that contains the song you want to copy to “Favorites.”

Indication	Explanation
(Internal)	Internal songs
(CD)	Songs on CD-ROM
(CD-R)	If a CD-R is in the CD drive
(Ext Memory)	Songs in USB memory

MEMO Songs that you record can also be saved in “Favorites” (p. 144).

3. Press the [PREV] [NEXT] buttons to select a song.

MEMO You can also select a song by touching it in the screen.

4. Press the [COPY/SAVE] button.

The following screen appears.

* If you decide not to copy the song, touch < Cancel >.

5. Touch < One Song > if you want to copy just a single song, or touch < All > if you want to copy all songs.

Copying of the selected song(s) will begin.

NOTE

- Never turn off the power while the screen indicates “Executing...”
- The song contains image data will take some time to copy.
- If there is insufficient capacity remaining, the indication “Error: 11” will appear (p. 209), and you won’t be able to copy the song.

Copying Songs from a Music CD to “Favorites”

Here’s how to copy songs from a music CD to “Favorites.”

1. Prepare the song that you want to copy in “Favorites.”

Reading of data from the CD starts when the CD is inserted in the drive. It may take a few moments to complete reading of the data.

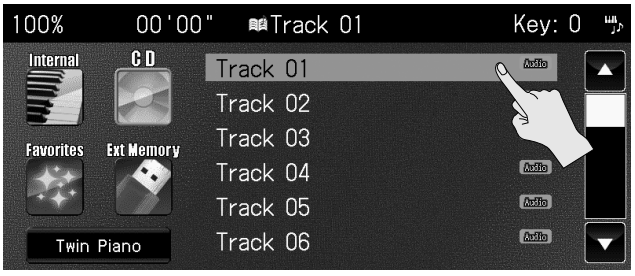
When the data has been loaded, a list of the songs on the CD will appear in the main screen.

If a different location is selected

2. In the main screen, touch < CD >.

A list of the songs on the CD will appear in the main screen.

3. Press the [PREV] [NEXT] buttons to select a song.



MEMO You can also select a song by touching it in the screen.

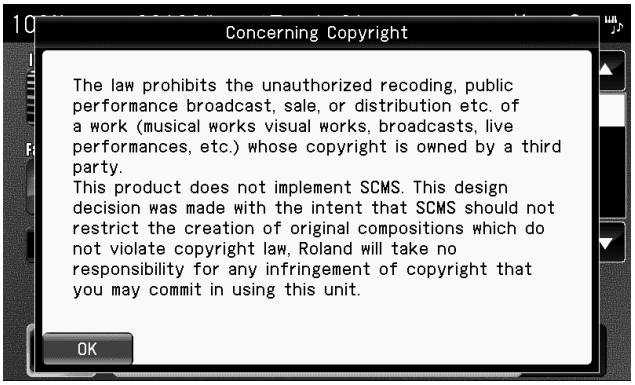
4. Press the [COPY/SAVE] button.

The following screen appears.

* If you decide not to copy the song, touch < Cancel >.

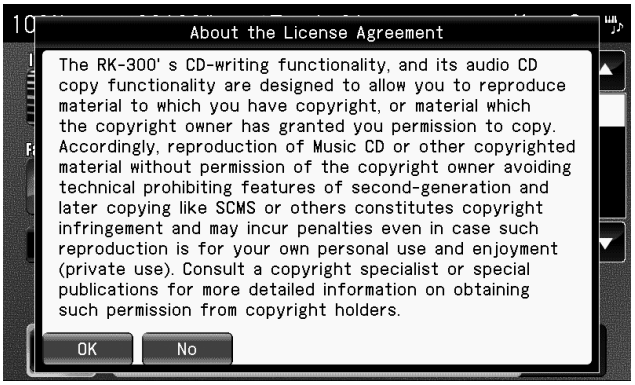
5. Touch < One Song > if you want to copy just a single song, or touch < All > if you want to copy all songs.

The following screen (“Concerning Copyrights”) appears.



6. Touch < OK >.

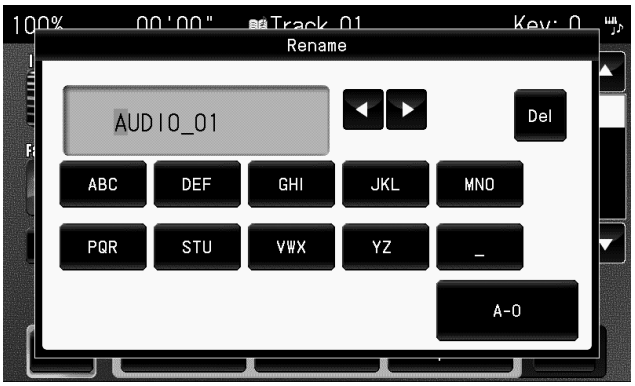
The following screen (“License Agreement”) appears.



* If you decide not to copy the song, touch < Cancel >.

7. Touch < OK >.

The “Rename” screen appears.



* If you don’t want to change the name, proceed to step 10.

8. Touch ◀ ▶ to move the cursor.

9. Enter the desired characters.

NOTE If you’re copying all songs, you’ll be able to specify only one name. Once you’ve specified the name, a number reflecting the song order will be automatically added to the end of the name.
(Example: ALBUM_01_01, ALBUM_01_02, ALBUM_01_03...)

Icon	Explanation
< ABC >–< YZ >	Enters a character at the cursor location. For example, each time you touch the <ABC> icon, the character to be entered will cycle in the order of A → B → C → A...
< A–a–0–! >	Cycles you through the available selections for the character type, in this order: “Uppercase letters,” “Lowercase letters,” “Numerals,” “Symbols.”
< Del >	Delete the character at the cursor position.

10. When you’ve specified the desired name, press the [EXIT] button.

The song(s) will be saved in “Favorites” under the name you specified.

NOTE

- Never turn off the power while the screen indicates “Executing...”

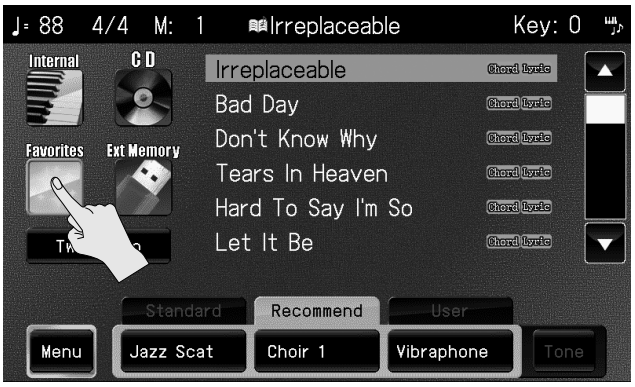
Listening to Songs Copied in “Favorites”

Here’s how to play back a song you’ve copied to “Favorites.”

Selecting a Song

1. In the main screen, touch (Favorites).

* If you’re using the remote, press the remote’s [FAVORITES] button.



The RK-300’s screen will show a list of the songs saved in “Favorites.”

NOTE If no songs have been saved in “Favorites,” no song list will appear when you choose “Favorites” as the song location.

2. Press the [PREV] [NEXT] buttons to select the song you want to play.

MEMO You can also select a song by touching it in the screen.

Playing the song

3. Press the [PLAY/STOP] button.

The selected song will play.

Button	Function
[⏮]	Moves to the beginning of the currently selected song. If you're already at the beginning of the song, you'll move to the beginning of the previous song.
[⏭]	Moves to the beginning of the next song.
[◀◀]	While a song is playing, hold down this button to rewind the song.
[▶▶]	While a song is playing, hold down this button to fast-forward the song.

Stopping the song

4. Press the [PLAY/STOP] button once again.

MEMO

- You can also play/stop the song by pressing the remote's [▶/■] button, selects the preceding song by pressing the remote's [⏮◀◀] button, and select the next song by pressing the remote's [▶▶⏭] button.
- When you press the remote [▶/■] button to begin playback, the songs will play back successively, starting with the selected song.

Deleting a Song from “Favorites”

1. In the main screen, touch (Favorites).

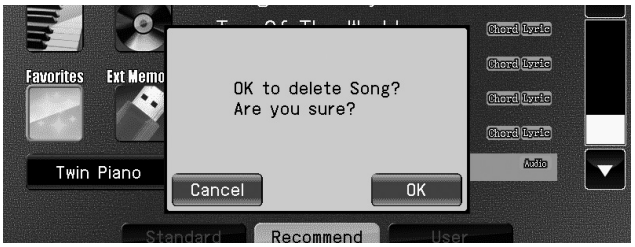
The RK-300’s screen will show a list of the songs saved in “Favorites.”

2. Press the [PREV] [NEXT] buttons to select the song you want to delete.

MEMO You can also select a song by touching it in the screen.

3. Press the [DELETE] button.

A message will ask you to confirm the operation.



* If you decide not to delete the song, touch <Cancel>.

4. Touch <OK>.

The selected song will be deleted from “Favorites.”

NOTE

- Never turn off the power while the screen indicates “Executing....”

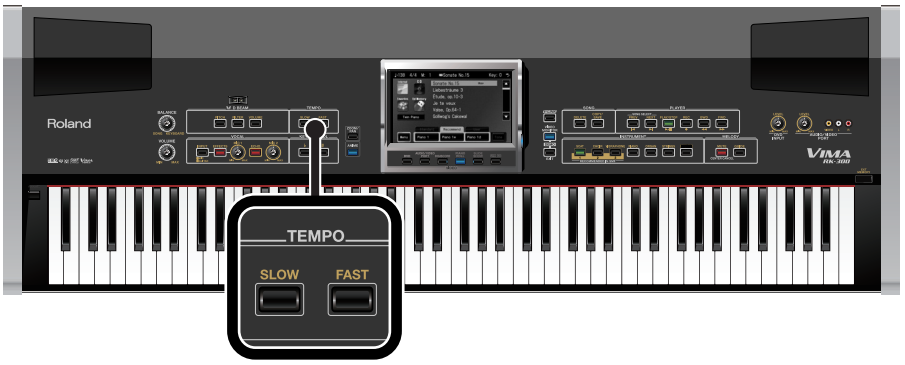
Changing the Tempo (Playback Speed) of a Song

Here's how to change the tempo of a song.

If a song is too fast for you to play or sing along comfortably, you can slow it down to a more comfortable tempo.

Changing the tempo (playback speed) will not affect the pitch. You can also change the tempo even while the song is playing.

Here's how to change the playback speed of a music CD or an audio/MP3 format song.



1. Use the [SLOW] [FAST] buttons to adjust the tempo (playback speed).

Pressing the [SLOW] button will make the tempo slower, and pressing the [FAST] button will make the tempo faster.

- For an SMF format song, the tempo can be adjusted in a range of ♩=10–500.
- For a music CD song or an audio/MP3 format song, you can adjust the playback speed in a range of 75%–125% relative to an original playback speed of 100%.

2. To return to the normal tempo (playback speed) of the song, press the [SLOW] and [FAST] buttons simultaneously.

The "normal tempo (playback speed)" is the appropriate tempo that is pre-specified for each song.

Playing Back at a Fixed Tempo (Tempo Mute)

Some of the internal preset songs have a tempo that varies during the song.

Here's how you can make these songs play back at a fixed, unchanging tempo.

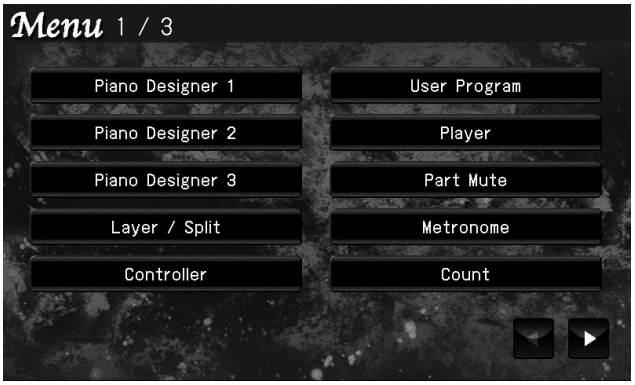
NOTE This function is not available for audio/MP3 format songs.

1. Access the main screen.

* If the main screen is not shown, press the [EXIT] button until the main screen appears.

2. Touch < Menu >.

The Menu screen appears.



* There are three menu screens. Touch ◀ ▶ to switch screens.

3. Touch < Player >.

The following screen appears.

4. Touch "Tempo Mute" − + to make the setting.

Setting	Explanation
On	The tempo changes recorded in the song will be ignored, and the song will play at a fixed tempo.
Off	The song will play back according to the tempo changes recorded in the song.

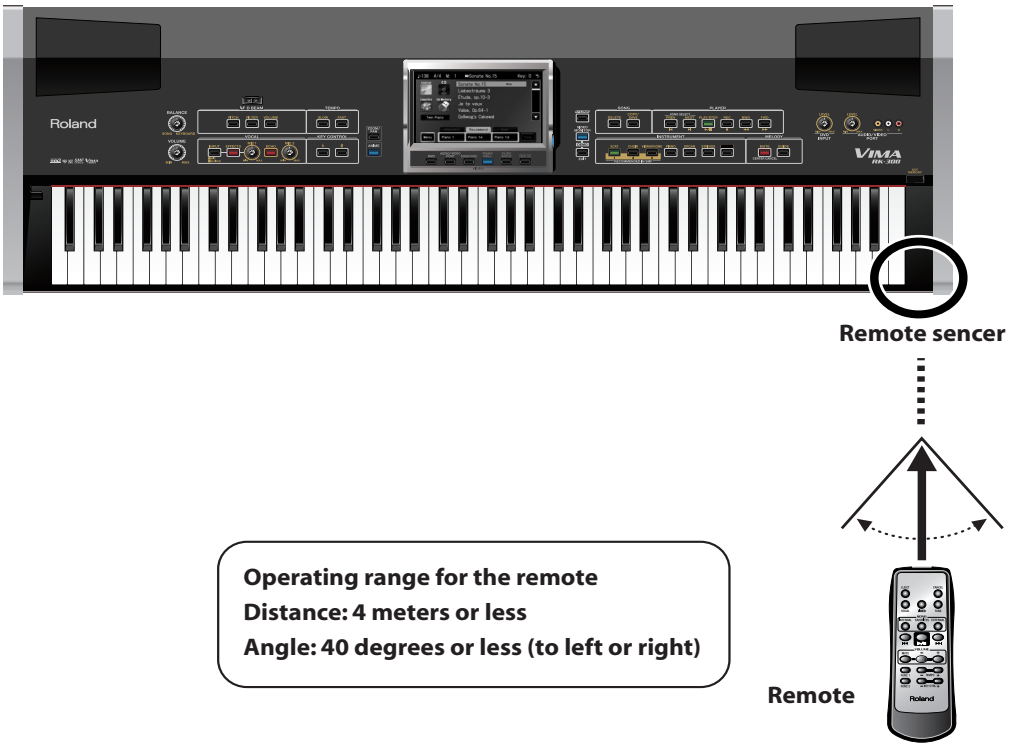
5. When you're finished making settings, press the [EXIT] button.

Using the Remote

You can use the included remote control to conveniently play/stop a song or to select songs.
You can also use the remote to switch the image of the external display or television, or assign frequently used functions to the remote buttons.

Using the Remote

When using the remote, point it toward the remote sensor on the RK-300, and stay within the allowable operating range described below.

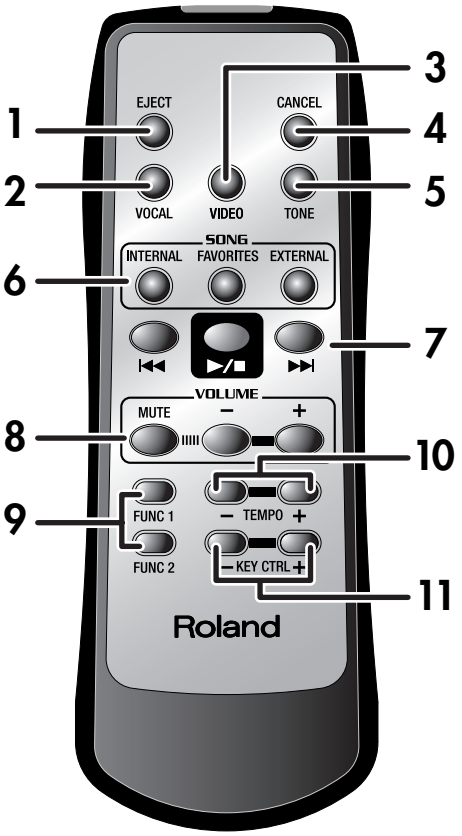


Cautions when using the remote

- You can't operate two or more of the remote's buttons simultaneously.
- Even if the remote is within the operating range, it may not work if there are obstacles between it and the remote sensor, or if the angle is poor.
- Malfunctions may occur if you use the remote near a device that produces infrared light, or if you use another infrared remote control nearby.
- The battery life will depend on the conditions of use. The operating range will decrease as the batteries run down. Replace the batteries if this occurs.
- If you won't be using the remote for an extended period, remove the batteries.
- If a strong light such as a spotlight strikes the remote sensor, the remote control may respond sluggishly.

Button Functions

You can use the buttons of the remote control to perform the following functions.



Button		Explanation
1	**[EJECT]**	Ejects the CD.
2	**[VOCAL]**	Applies an effect to vocals arriving via the microphone. Each time you press the button, the vocal effect type (the type of effect applied to the sound from the microphone) will change. Duet →Trio → Quarter → Off → Duet... * This button will not operate when the RK-300's [INPUT] button is lit (i.e., when the guitar input is being used)
3	**[VIDEO]**	Switches the image shown in the connected external display or television. You can use an external display or a television to view the image from a video camera or digital camera, DVD player, or audio player with video capability that is connected to the RK-300. You can also use it to DIGISCORE (p. 93), a slide show (p. 114), or a piano roll screen (p. 130). DVD → AUDIO/VIDEO PORT → DIGISCORE → Piano Roll → Slide Show → OFF (Video function is turned off) → DVD.....
4	**[CANCEL]**	Returns the setting of the remote's [VOCAL] button to its original state. The sound of the melody channel will be set to Piano.
5	**[TONE]**	The sound of the melody channel (p. 173) will change each time you press this button.

Button		Explanation
6	**SONG [INTERNAL]**	Selects internal songs.
	SONG [FAVORITES]	Selects songs from "Favorites (p. 80)." * This button won't work if no songs have been saved in "Favorites."
	SONG [EXTERNAL]	Selects songs from a CD or USB memory. If a CD is inserted and at the same time USB memory is connected, pressing the button toggles you between "CD" and "Ext Memory (external memory)." * This button won't work if no CD is in the CD drive and no USB memory is connected to EXT MEMORY connector.
7	**[⏮]**	Pressing the [⏮] button selects the preceding song.
	[▶/■] (Play/Stop)	Plays/stops the song. Press the remote [▶/■] button to toggle the song between playing and stopped. When you press the remote [▶/■] button, songs will play back consecutively from the selected song. All songs in the selected "Location" (internal songs, favorites, CD, or external memory) will play back in succession. Playback will stop when you press the remote [▶/■] button once again.
	[⏭]	Press the [⏭] button to select the next song.
8	**VOLUME [MUTE]**	Temporarily mutes all sounds.
	VOLUME [-] [+]	Adjust the volume of the keyboard and song. Pressing the VOLUME [-] button decreases the volume, and pressing the VOLUME [+] button increases the volume.
9	**[FUNC 1]**	Executes the function you've assigned to this button. You can change the function that's assigned to the button (p. 185). With the factory settings, "Panel" is assigned to this button.
	[FUNC 2]	Executes the function you've assigned to this button. You can change the function that's assigned to this button (p. 185). With the factory settings, "Mute (Center Cancel)" is assigned to this button (p. 99, p. 110, p. 111).
10	**TEMPO [-] [+]**	Adjust the tempo of the song. Pressing the TEMPO [-] button slows down the tempo, and pressing the TEMPO [+] button speeds up the tempo.
11	**KEY CTRL (key control) [-] [+]**	Change the key of the keyboard or of the song that's playing. Pressing the KEY CTRL [-] button will lower the key, and pressing the KEY CTRL [+] button will raise the key. → KEY CONTROL (p. 109) → KEY CONTROL Setting (p. 183)

Playing Along with a Song

You can enjoy playing the keyboard along with a song that's being played back by the RK-300, including those on the included CD or in external memory.

Performing while You Watch a Notation (DIGISCORE)

The RK-300 is able to show a musical score (music notation) in its display, not only for the internal songs, but also for SMF format songs or songs you've recorded on the RK-300. This is called the "DIGISCORE" function.

Lyrics will also be displayed if you play back SMF music files that contains lyric data.

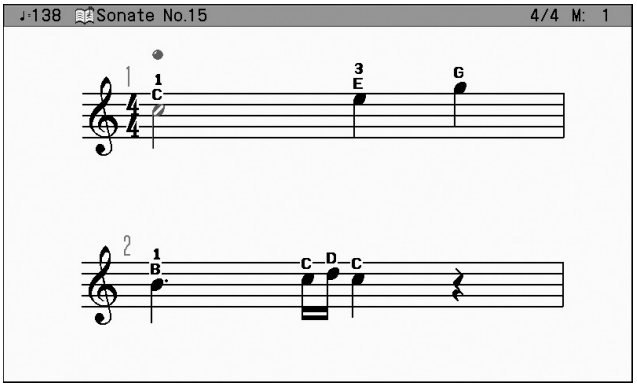
Since the notation can be shown not only on the RK-300's display but also on an external display or a television, you can play back a song and have everyone sing along from the notation shown on a big screen.

1. Select the song that you want to play (p. 70, p. 72, p. 76, p. 85).

2. Press the [DIGISCORE] button so it's lit.

The notation of the selected song appears in the external display or television connected to the RK-300.

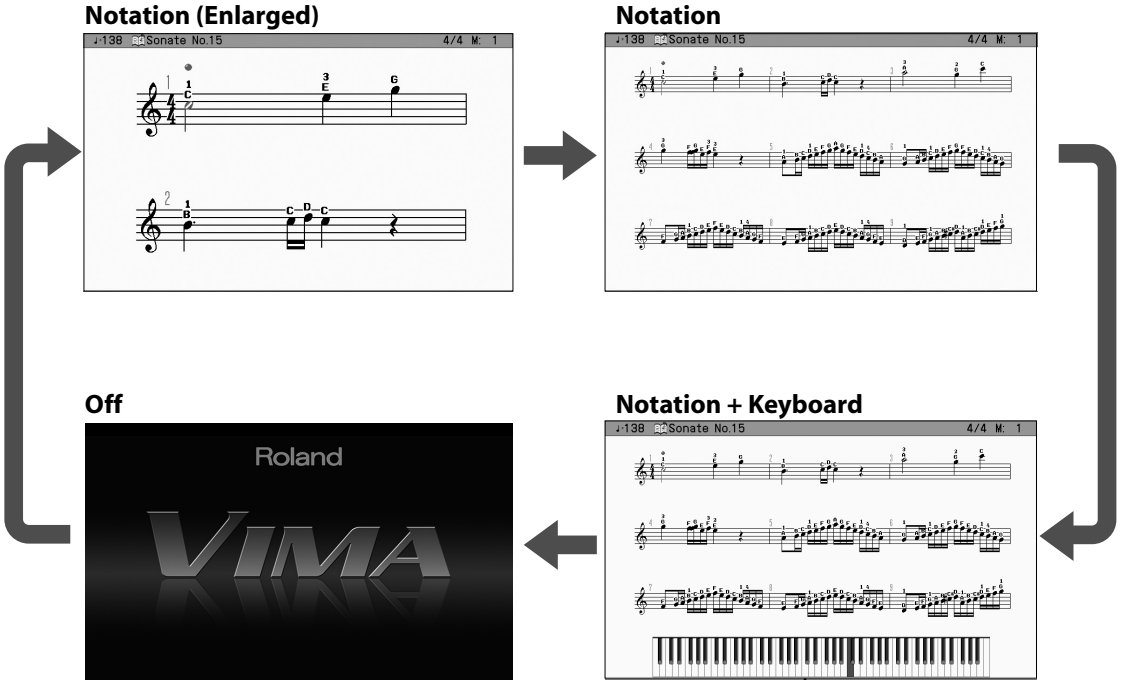
If you're playing SMF music files that contains lyric data, the lyrics will be displayed if you press the [LYRICS] button so it's lit.



MEMO The RK-300's display will show the "Lyrics" setting screen (p. 177). If you press the [VIDEO MONITOR] button so it's lit, you'll be able to view the score in the built-in display as well.

3. You can switch the type of notation screen by pressing the [DIGISCORE] button several times.

The RK-300 provides three types of notation screen. Each time you press the [DIGISCORE] button, the screen will change as follows.



4. Press the [PLAY/STOP] button to play the song.

The song will begin playing, and the notation pages will turn automatically as the song progresses.

Watch the notation, and play or sing along with the song.

You can press the [VIDEO MONITOR] button so it's lit, and watch the notation in the RK-300's builtin display.

5. Press the [PLAY/STOP] button to stop the song.

Notes about the DIGISCORE

- When displaying the notation for a song from USB memory, CD-ROM, or "Favorites," it will take some time for the data to be read from USB memory, CD-ROM, or user memory, so you may have to wait for a while before the notation appears.
- The displayed notation is generated from the music files, and gives priority to easy visibility in the screen rather than the accurate depiction of complex or sophisticated performances. For this reason, it may differ from commercially available printed scores. In particular, it is not suitable for depicting sophisticated or difficult pieces that require a detailed notation.
- In some cases, lyrics or notes in the notation screen may fall outside of the displayed area of the screen, and may not be visible.
- In some cases, the song may play back from the beginning if you display the notation while the song is playing.
- Notes will not appear in the screen if you select a part that contains no performance data. To change the part that's displayed, refer to "Changing the Melody Channel (Melody Channel)" (p. 173).
- A notation cannot be displayed for a song from a music CD and an audio/MP3 format.
- If you want to view the notation on an external display or television, we recommend that you connect it to the ANALOG RGB OUT connector. This will provide a clearer picture than if you connect your display or television to the VIDEO OUTPUT jack.

Performing with Sounds that Match the Song (Recommended Tones)

When playing along on the keyboard while listening to an internal song or VIMA TUNES (CD-ROMs produced for VIMA), this function lets you play using instrumental sounds that are appropriate for the atmosphere of the selected song.

When you select an internal song or a song from VIMA TUNES (CD-ROMs produced for VIMA), sounds suitable for that song will automatically be assigned to the three buttons [1], [2], and [3]. You can use these three sounds to perform sounds that will match the character of that song.

* If you want to select a song from VIMA TUNES (CD-ROMs produced for VIMA), insert the CD-ROM into the CD drive.

1. From the internal songs or VIMA TUNES (CD-ROMs produced for VIMA), select the song that you want to play (p. 70, p. 72).

When you select a song, three tones suitable for that song will automatically be selected.

2. In the bottom of the screen, touch <Recommend> tab.

The three recommended tones will be shown in the screen. The same three recommended tones will also be selected for the [1], [2], and [3] INSTRUMENT buttons.

3. Select the tone you want to play.

You can either touch one of the three tone buttons in the screen, or press the [1], [2], or [3] button.

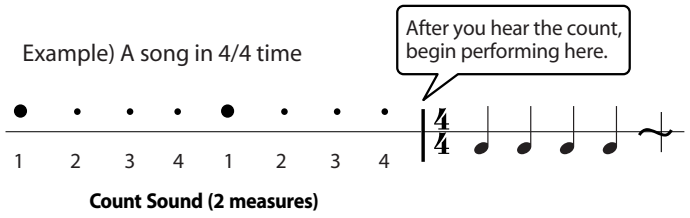
4. Play along with the song.

The tones you play will be suitable for the character of the song.

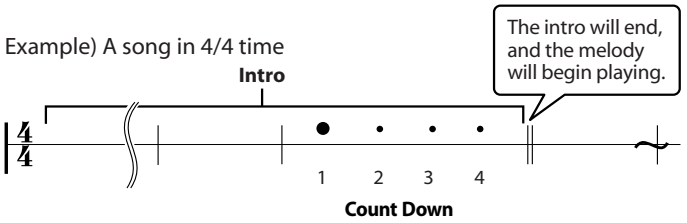
Sounding a Count to Keep Your Timing Accurate

If you're playing along with a song, you can sound a count to make it easier to synchronize your own playing with the song. A "count-in" is a count that is sounded before the song begins to play. A "count-down" is a count that is sounded at the end of the song's introduction (before you begin playing the keyboard).

Count In



Count Down

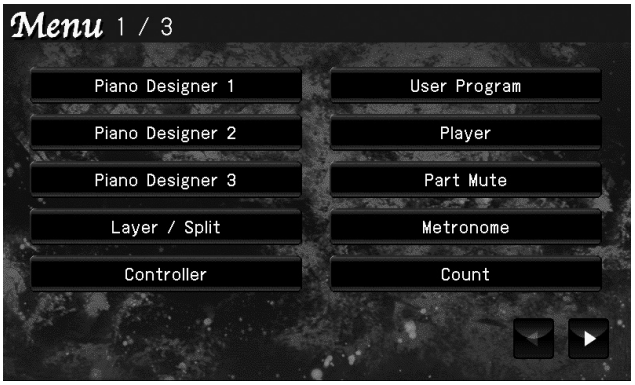


1. Access the main screen.

* If the main screen is not shown, press the [EXIT] button until the main screen appears.

2. Touch < Menu >.

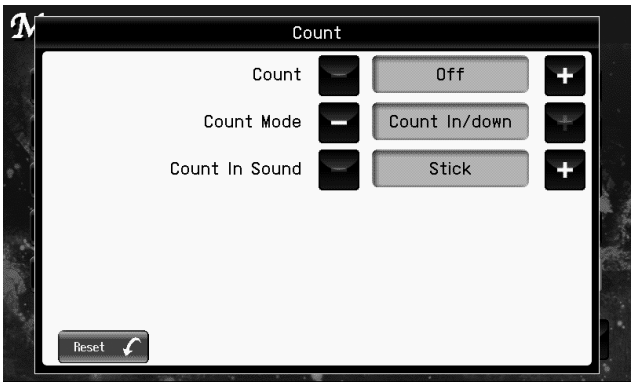
The Menu screen appears.



* There are three menu screens. Touch ◀ ▶ to switch screens.

3. Touch < Count >.

The following screen appears.



4. Touch "Count" − + to turn it "On."

Turn this "Off" if you don't want a count to sound.

5. Touch "Count Mode" − + to select the type of count.

Type of count	How the count is sounded
Count In	A two-measure count sounds before the song plays.
Countdown	A one-measure count sounds at the end of the song's introduction
Count In/down	A two-measure count sounds before the song plays, and a one-measure count sounds at the end of the song's introduction

6. Touch "Count In Sound" − + to select the count-in sound.

Setting
Click, Electronic, Voice (Japanese), Voice (English), Animal, Wood Block, Castanets, Hand Clap

MEMO If you touch < Reset >, all settings (parameters) shown in the current screen will return to their factory-set values.

7. When you're finished making settings, press the [EXIT] button.

8. Press the [PLAY/STOP] button.

The count will sound.

Adjusting the Volume Balance Between the Song and Keyboard

You can adjust the volume balance between the song that's playing and your performance on the keyboard.

If you're performing along with the playback of a song, lowering the volume of the song will make it easier for you to hear your own keyboard performance.

1. Turn the [BALANCE] knob to adjust the volume balance.

Operation	Explanation
Turning the [BALANCE] knob toward "SONG"	Decreases the volume of the keyboard.
Turning the [BALANCE] knob toward "KEYBOARD"	Decreases the volume of the song.

Silencing a Song's Melody and Playing it Yourself (Mute)

You can play back an internal song or music data with the melody part silenced.
This allows you to play the melody yourself while listening to the song.

NOTE In the case of a music CD and an audio/MP3 format song, the [MUTE/CENTER CANCEL] button will turn the Center Cancel function on/off.

1. Prepare to play back the desired song.

If you want to play an SMF format song from a CD-ROM, insert the CD-ROM into the CD drive (p. 72).
If you want to play an SMF format song from USB memory, connect the USB memory (p. 76).

2. Select the song that you want to play (p. 70, p. 72, p. 76, p. 85).

3. Press the [MUTE/CENTER CANCEL] button so it's lit.

The Mute function is turned on.

4. Press the [PLAY/STOP] button to play back the song.

When you play back the song, the sound of the melody channel will be temporarily silenced.
Try playing the melody yourself while you listen to the song.

MEMO The melody channel will depend on the song. If the melody is not muted when you press the [MUTE/CENTER CANCEL] button, change the melody channel setting (p. 173).

5. Press the [PLAY/STOP] button to stop the song.

6. To cancel the Mute function, press the [MUTE/CENTER CANCEL] button to turn off its illumination.

When you play back the song, the melody will return to its original volume.

Decreasing the Melody Volume of a Song (Guide)

You can play a internal song or SMF music file with the volume of the melody part lowered.

Until you've learned the melody, it may be helpful to listen to the melody at a lower volume and use it as a guide for your own playing.

Once you've learned the melody, use Mute function (p. 99) to silence the melody while you play.

NOTE The Guide function won't work with a music CD and an audio/MP3 format song.

1. Prepare to play back the desired song.

If you want to play an SMF format song from a CD-ROM, insert the CD-ROM into the CD drive (p. 72).

If you want to play an SMF format song from USB memory, connect the USB memory (p. 76).

2. Select the song that you want to play (p. 70, p. 72, p. 76, p. 85).

3. Press the [GUIDE] button so it's lit.

The Guide function is turned on.

4. Press the [PLAY/STOP] button to play back the song.

When you play back the song, the volume of the melody channel will temporarily be lowered.

Try playing the melody while you listen to the song. The melody will be audible at a lower volume, and you can use it as a guide for your own playing.

MEMO The melody channel will depend on the song. If the melody volume does not decrease, change the "Melody Channel" (p. 173).

5. Press the [PLAY/STOP] button to stop the song.

6. To cancel the Guide function, press the [GUIDE] button to turn off its illumination.

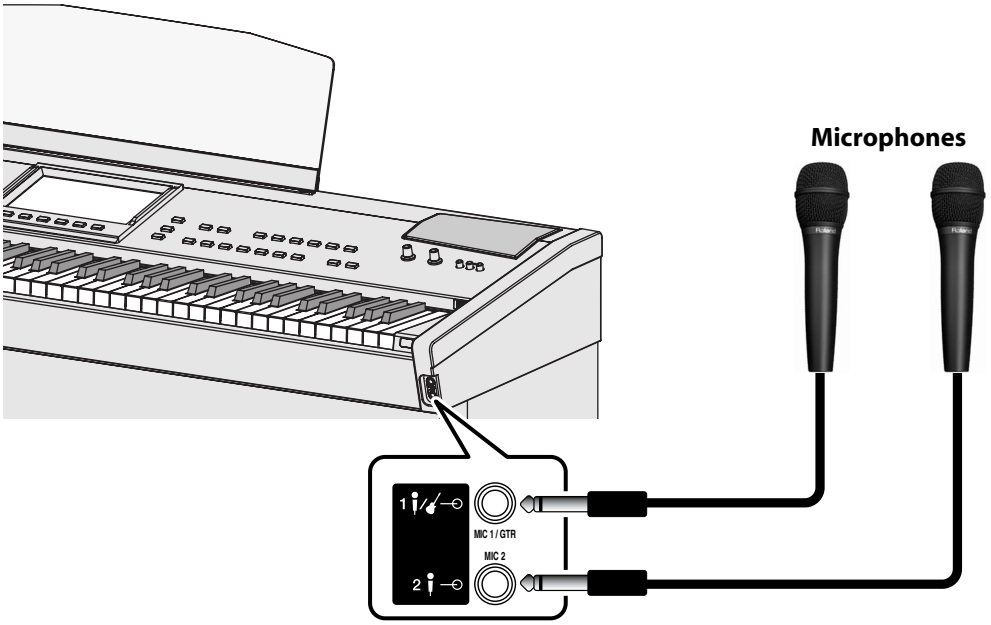
When you play back the song, the melody will return to its original volume.

Singing Along with the VIMA

You can connect a microphone to the MIC jack and use the RK-300 for karaoke or for singing along with your own playing. Since the RK-300 has two MIC jacks, you can connect two microphones simultaneously for a duet.

You can also apply echo to the sound of the microphone, and add effects (vocal effects) for additional enjoyment.

Connecting a Microphone



1. Connect your microphone to a MIC jack.

If you're using only one microphone, you may connect it to either of the two MIC jacks.

2. If your microphone is connected to the MIC 1/GTR jack, press the [INPUT] button to turn off its illumination.

Cautions when Using a Microphone

- Be careful of the volume late at night or early in the morning.
- Lower the volume before you connect a microphone to the RK-300. If the volume is raised when you connect a microphone, noise may be output from the speakers.
- Howling could be produced depending on the location of microphones relative to speakers. This can be remedied by:
  - Changing the orientation of the microphone(s).
  - Relocating microphone(s) at a greater distance from speakers.
  - Lowering volume levels.

Adjusting the Volume of the Microphone

You can adjust the volume of the sound from the microphone.

1. Turn the [VOLUME] knob to adjust the overall volume (p. 34).

If you want to sing along with the song, turn the [VOLUME] knob to adjust the song volume while the song is playing.

If you want to play the keyboard while you sing, turn the [VOLUME] knob to adjust the keyboard volume while you play the keyboard.

If you're singing along with the song, turn the [BALANCE] knob to adjust the volume balance of the song (p. 98).

2. Adjust the microphone volume.

- Use the [MIC 1] knob to adjust the volume of the microphone connected to the MIC 1/GTR jack.
- Use the [MIC 2] knob to adjust the volume of the microphone connected to the MIC 2 jack.

Turn the knob toward the left to lower the microphone volume, or toward the right to raise the microphone volume.

Viewing Lyrics

If you're playing an internal song or SMF music files that contains lyrics, you can view the lyrics on an external display or television. You can view the lyrics against the background of an image shown from a video camera or DVD player connected to the RK-300.

The DIGISCORE screen will show the notation with the lyrics.

NOTE Lyrics cannot be displayed for a music CD and an audio/MP3 format song.

1. Select a song that contains lyrics (p. 70, p. 72, p. 79, p. 85).

Songs with lyrics are indicated by a "Lyric" symbol beside the song title.

2. Press the [LYRICS] button so its indicator is lit.

3. Press the [PLAY/STOP] button to play back the song.

The lyrics appear in the external display or television.

MEMO If you press the [VIDEO MONITOR] button so it's lit, you'll also be able to see the lyrics shown in the RK-300's own display.

4. To turn off the lyrics display, press the [LYRICS] button once again to turn off its illumination.

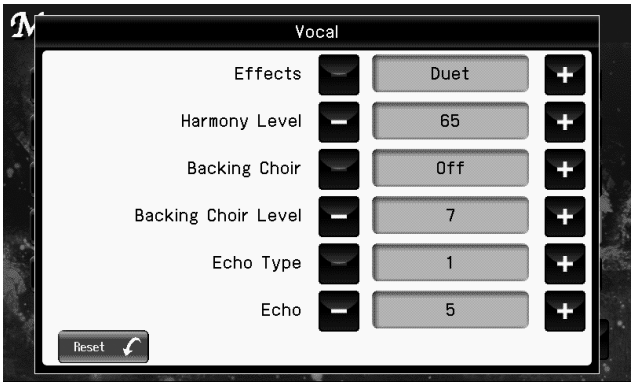
Applying an Effect to Your Voice (Vocal Effect)

Adding Harmony to Match the Song

When you sing along with a song that has the " Chord " indication by its title, such as the internal songs or VIMA TUNES (CD-ROMs produced for VIMA), you can use the "Vocal Harmony" function, which uses the chord data included in the song to automatically generate harmony that is suitable for the song.

1. With the [INPUT] button unlit, press the [EFFECTS] button so it's lit.

The following screen appears.



2. Touch "Effects" − + to choose one of the following settings.

Setting	Explanation
Duet	One voice of harmony will be added to your vocal.
Trio	Two voices of harmony will be added to your vocal.
Quartet	Three voices of harmony will be added to your vocal.

3. Touch "Harmony Level" − + to specify the volume of the harmony.

Setting
0–127

MEMO If you touch < Reset >, all settings (parameters) shown in the current screen will be reset to their factory settings.

4. When you've finished making settings, press the [EXIT] button.

5. Select a song that has the Chord indication.

6. Press [PLAY/STOP] to play the song.

7. Sing into the microphone.

Harmony appropriate for the song will be added to your voice.

MEMO

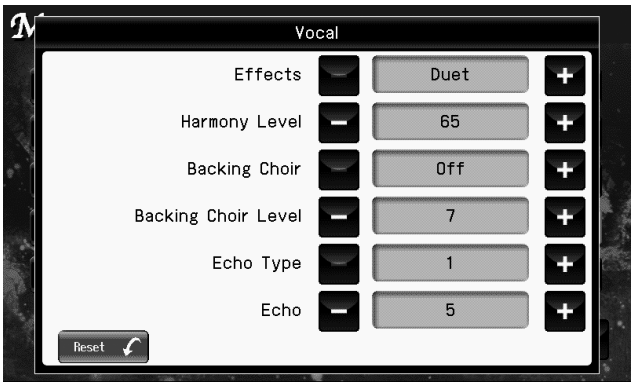
- You can add a backing chorus in addition to the harmony effect. Refer to "Adding a Backing Chorus to the Harmony (Backing Choir)" (p. 182).

Modifying Your Voice (Transformer)

Here's how you can transform a female voice into a male voice, or give your voice a robot-like character.

1. With the [INPUT] button unlit, press the [EFFECTS] button so it's lit.

The following screen appears.



2. Touch "Effects" [−] [+] to select one of the following settings.

Setting	Explanation
Kids	Your voice will be given a child-like character.
Bear	Your voice will be given a character suggestive of a large animal.
Robot	Your voice will be given a robot-like character.
Duck	Your voice will be given a duck-like character.
Alien	Your voice will be given a character suggestive of a space alien.
Computer	Your voice will be given a computer-like character.
Female	A male voice will be given the character of a female voice.
Male	A female voice will be given the character of a male voice.
Pitch Correct	The pitch of your voice will be corrected to match the melody of the song. * If you select this setting, you won't hear the vocal from the microphone unless the song is playing. * For more about the melody channel, refer to p. 173.

MEMO If you touch < Reset >, all settings (parameters) shown in the current screen will be reset to their factory settings.

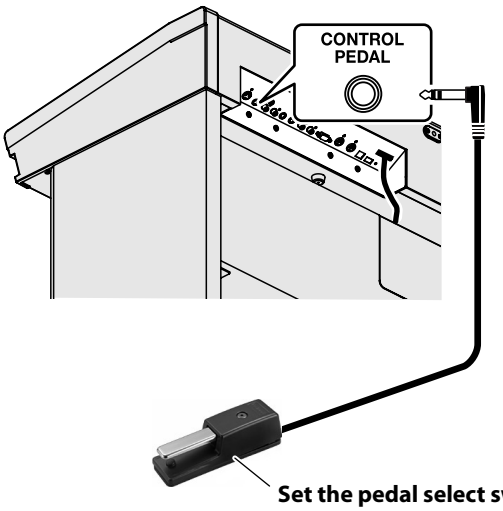
3. When you've finished making settings, press the [EXIT] button.

4. Sing into the microphone.

The effect will be applied to the sound from the microphone.

Using the Control Pedal to Turn an Effect On/Off

You can connect a pedal (DP-10) to the rear panel CONTROL PEDAL jack and use it to switch an effect on/off.



Set the pedal select switch to "Continuous."

Preparing the control pedal switch for use

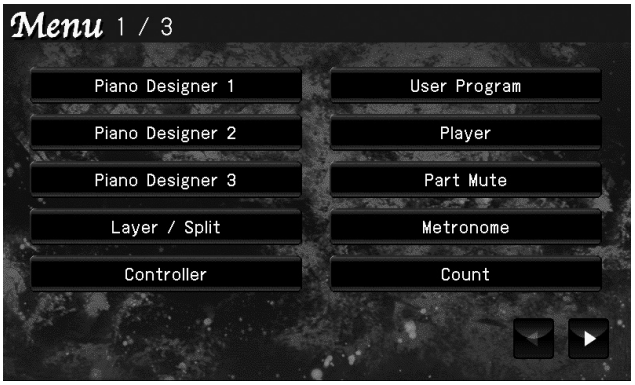
MEMO With the factory settings, pedal operations will damper pedal.

1. Access the main screen.

* If the main screen is not shown, press the [EXIT] button until the main screen appears.

2. Touch < Menu >.

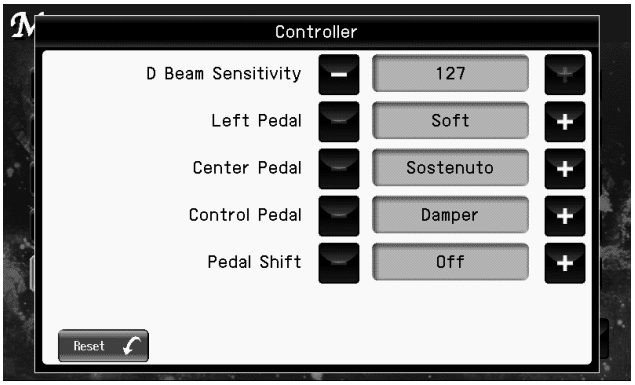
The Menu screen appears.



* There are three menu screens. Touch ◀ ▶ to switch screens.

3. Touch < Controller >.

The following screen appears.



4. Touch "Control Pedal Assign" − + to choose "Vocal Effect."

5. Press [EXIT] to complete the setting.

Turning the effect on/off

6. Press the pedal.

The effect will turn on/off each time you press the pedal. When the effect is on, the [EFFECTS] button will light.

Adding Echo to Vocals (ECHO)

You can add echo to vocals arriving via the microphone. This will make singing more enjoyable.

1. **Press the [ECHO] button so it's lit.**

2. **Sing into the microphone.**

   Echo will be applied to the sound from the microphone.

MEMO

- You can adjust the depth of the echo.
  → "Selecting the Type of Mic Echo (Echo Type)" (p. 182)

Changing the Song to a Key that's Comfortable for Singing (KEY CONTROL)

The "Key Control" function lets you play back a song at a different key. This is convenient when you're singing along with the song, since you can shift the playback to a key that's comfortable for the range of your voice.

You can also use this function to transpose the pitch of your playing without changing your fingering on the keyboard. For example, if the song is in a difficult key with numerous sharps (♯) or flats (♭), you can transpose to a key that's easier for you to play.

You can control the key of not only an internal song or SMF music files, but also the sound from a music CD, portable audio player, or DVD player. This is convenient when you/re singing along with a music CD.

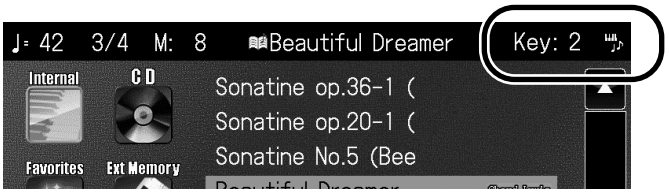
1. Choose whether you want to control the key of the song, the keyboard, or both (p. 183).

2. Use the KEY CONTROL [♭] [♯] buttons to change the key (pitch).

Each time you press a KEY CONTROL [♭] [♯] button, the key is changed by one semitone.

Press the [♭] button to lower the key, or press the [♯] button to raise the key.
This can be set in a range of -6–5 (semitone steps).

The main screen shows the value you've specified.



If transposed	Either the KEY CONTROL [♭] or [♯] button is lit.
If not transposed	The indicators of both the KEY CONTROL [♭] and [♯] buttons are extinguished.

3. To return to the original key, press the [♭] [♯] buttons simultaneously.

The setting will return to the default value of "0" (key control 0).

Enjoying Karaoke with a Music CD (CENTER CANCEL)

You can minimize the vocal sounds of a commercially available music CD, and sing the vocal part yourself. This is a convenient way to enjoy karaoke or practice soloing with a favorite music CD.

You can also minimize the vocal sounds of a song from a DVD or a portable audio player.

1. Insert the music CD you want to use into the CD drive, and select the song you want to sing (p. 72).

If you want to sing along with a song from DVD, connect your DVD player (p. 124).

If you want to sing along with a song from your portable audio player, connect your portable audio player (p. 126).

2. Press the [MUTE/CENTER CANCEL] button so it's lit.

The Center Cancel function is active.

While the song plays, you can press the [MUTE/CENTER CANCEL] button to eliminate the vocal sound.

3. Press the [PLAY/STOP] button to play the song.

When you play back the song, the sound of the melody or vocal will be minimized.

Sing along with the song.

NOTE For some songs, the vocal sound may not be eliminated completely.

4. Press the [PLAY/STOP] button to stop playback.

5. To turn off the Center Cancel function, press the [MUTE/CENTER CANCEL] button to turn off its illumination.

Muting the Melody of an Internal Song or Music Files for a Sing-along (Mute)

The "Mute" function lets you temporarily mute the melody from the playback of an internal song or of music files. Let's try singing the melody while you listen to the song.

NOTE In the case of a music CD and an audio/MP3 format song, the [MUTE/CENTER CANCEL] button will turn the Center Cancel function on/off.

1. Prepare to play back the desired song.

If you want to play back SMF music files from a CD-ROM or USB memory, insert the CD-ROM into the CD drive (p. 72) or connect your USB memory to EXT MEMORY connector (p. 76).

2. Select the song you want to sing (p. 70, p. 72, p. 76, p. 85).

3. Press the [MUTE/CENTER CANCEL] button so it's lit.

The Mute function is turned on.

4. Press the [PLAY/STOP] button to play back the song.

When the song plays, the sound of the melody will be temporarily muted.

Sing the melody while you listen to the song.

MEMO The melody channel will depend on the song. If the melody is not muted when you press the [MUTE/CENTER CANCEL] button, change the melody channel setting (p. 173).

5. Press the [PLAY/STOP] button to stop the song.

6. To cancel the Mute function, press the [MUTE/CENTER CANCEL] button to turn off its illumination.

When you play back the song, the melody will return to its original volume.

Decreasing the Melody Volume of a Song (Guide)

The "Guide" function lets you decrease the volume of the melody of an internal song or SMF music files. Using this function, you can decrease the melody to a lower (but still audible) level, helping you to learn the melody while you sing along.

Once you're confident of the melody, you can use the Mute function (p. 111) to completely cancel the melody while you sing.

NOTE The [GUIDE] button won't work with a music CD and an audio/MP3 format song.

1. Prepare the song that you want to play.

If you're playing back SMF music files from a CD-ROM or USB memory, insert the CD-ROM into the CD drive (p. 72) or connect your USB memory to EXT MEMORY connector (p. 76).

2. Select the song you want to sing (p. 70, p. 72, p. 76, p. 85).

3. Press the [GUIDE] button so it's lit.

The Guide function is turned on.

4. Press the [PLAY/STOP] button to play back the song.

When the song plays back, the volume of the melody will be temporarily lowered.

Go ahead and sing the melody while you listen to the song. The melody will be heard at a lower volume, so you can use it as a guide for your singing.

MEMO The melody channel will depend on the song. If the volume of the melody does not decrease when you press the [GUIDE] button, change the melody channel setting (p. 173).

5. Press the [PLAY/STOP] button to stop playback.

6. To cancel the Guide function, press the [GUIDE] button to turn off its illumination.

When you play back the song, the melody will return to its original volume.

Enjoying Music and Video

You can connect an external display or a television to the RK-300, and use it to watch the piano roll screen, a slide show, a notation, or video from another device connected to the RK-300.

Enjoy a slide show of photos from your digital camera p. 120

Photos of your vacation or family can be viewed as a slide show on a big-screen television or other external display connected to the VIMA. Simply connect your digital camera to the RK-300 using a USB cable, and you're ready to enjoy a slide show.

Zoom/pan the images of a slide show p. 123

In addition to simply switching the images in a slide show, you can zoom or pan the images for even more enjoyment.

Perform with a background video from a DVD player p. 124

You can connect your DVD player, display the DVD video on a television or an external display connected to the RK-300, and listen to the music or narration from the RK-300's speakers. You can also cancel the sound of the DVD and perform to the background of the DVD video.

Enjoy powerful sound and big-screen playback from your portable audio/video player p. 126

By connecting your portable audio/video player to the RK-300, you can enjoy powerful sound from the RK-300's speakers and big-screen playback from a television or an external display connected to the RK-300. You can also decrease the melody from the portable audio player connected to the RK-300 and sing along yourself.

Use the "ANIME" effect to add movement to images p. 128

You can use the "ANIME" effect to add movement to the images in synchronization with the timing at which you play the keys, or in synchronization with the song that's playing.

This can enhance the visual impact when you're performing along with a song or along with a slide show or DVD.

Enjoy the piano roll screen p. 130

The RK-300 provides a piano roll screen, which reproduces the mechanism of a player piano.

If you play back a song while viewing the classic-type piano roll screen, the keys in the screen will move automatically, and the notes will be shown in the player piano image on the screen. You can enjoy the music not just with your ears but with your eyes also.

MEMO

- If the video function is off, the "screen saver" will operate when five minutes elapses without any operation being performed. This prevents the occurrence of "burn-in" on a connected external display or television screen.

Playing Photos Automatically (Slide Show)

What is a slide show?

Slide Show is a function that displays photos in succession. You can have the photos switch automatically at the time interval you specify, somewhat like watching a movie.

MEMO You can specify how the transition will occur between images (photos) in the slide show. For details, refer to "Selecting the Type of Slide Show (Type)" (p. 181).

Enjoying a Slide Show Along with Internal Songs or VIMA TUNES

You can watch a slide show while listening to one of the RK-300's internal songs or VIMA TUNES (CD-ROMs produced for VIMA).

The RK-300's internal songs provide slide show images that are appropriate for each song.

This means that when you play back an internal song, a slide show suitable for that song can be automatically shown on the external display or television. Songs on VIMA TUNES (CD-ROMs produced for VIMA) also provide slide show images suitable for each song, making it easy for you to enjoy a slide show without having to provide your own photos.

1. **Select an internal song or a VIMA TUNES (p. 70, p. 72).**

2. **Press the [SLIDE SHOW] button so it's lit.**

3. **Press the [PLAY/STOP] button to play back the song.**

   A slide show suitable for the character of the song will be shown on the external display or television connected to the RK-300.

MEMO

- If you play back a song that does not have slide show images (such as a song you recorded), the default slide show will appear.

NOTE

- When you select an internal song or a song from the included CD-ROM, the screen will display the composer and lyricist (except for songs that have no lyrics). However, for some of the songs on the included CD-ROM, it is not possible to show all names for the composer(s) and lyricist(s) due to limitations of screen space. In such cases, please refer to the song list on the back of the CD case.

Selecting the Type of Photo Used for the Slide Show (Picture Category)

The slide show images built into the RK-300 are organized into several "categories" according to the depicted object or the atmosphere of the image.

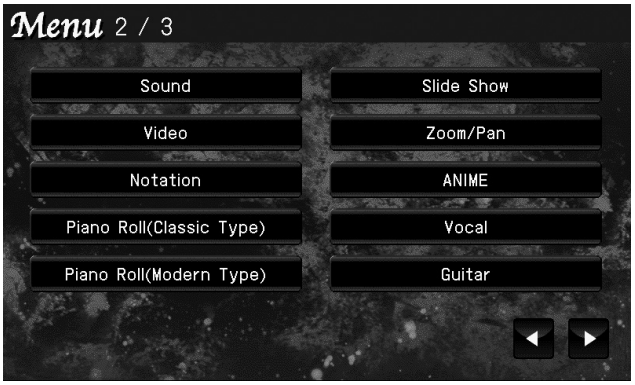
The internal songs and VIMA TUNES (CD-ROMs produced for VIMA) songs specify slide show images that are suitable for the mood of that song, but you can also switch categories to enjoy slide shows that are different than usual.

1. Access the main screen.

* If the main screen is not shown, press the [EXIT] button until the main screen appears.

2. Touch < Menu >.

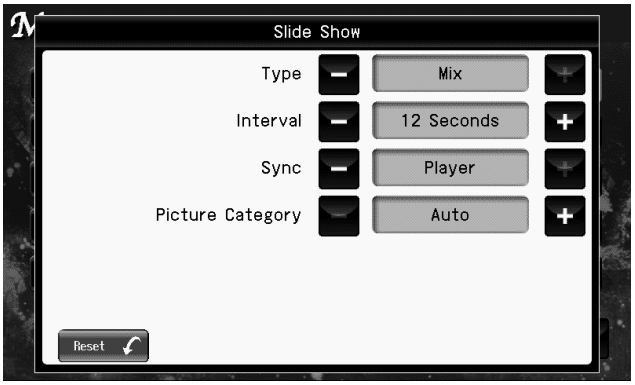
The Menu screen appears.



* There are three menu screens. Touch ◀ ▶ to switch screens.

3. Touch < Slide Show >.

The following screen appears.



4. Touch "Picture Category" − + to switch the category.

Category	Explanation
Auto	The slide show images specified for each song will be used.
1: Kids, 2: Animal, 3: Goods, 4: Love, 5: Dream, 6: Abstract, 7: Urban, 8: Sea, 9: Summer, 10: Sunset, 11: Star, 12: Sky, 13: Nature, 14: Sad, 15: Heal, 16: Japan, 17: Enka, 18: Mountain, 19: River, 20: Tree, 21: Flower, 22: Bar, 23: Morning, 24: Rain, 25: Rock, 26: Holiday, 27: Winter, 28: Europe	
Other than the above	The user's original images loaded into the RK-300 will be used.

MEMO If you touch < Reset >, all settings (parameters) shown in the current screen will return to their factory-set values.

5. When you're finished making settings, press the [EXIT] button.

Adding user categories

You can add your own categories (user categories) to the picture categories.

1. Use your computer to prepare the desired images.

Image data that can be displayed	
Size	800 x 480 pixels (recommended) (Images of 1280 x 960 pixels or smaller and 400 kilobytes or less are supported) * If you use images that are larger than the recommended size, it may take longer to switch images.
Format	JPEG format (.JPG)
Name	Assign a name that consists of five letters followed by a three-digit number; e.g., "IMAGE001.JPG"

2. Connect your USB memory to your computer, create a folder named "JPEG" in the USB memory, and inside that folder create a folder with the category name (no more than 14 characters long).

For example, you might assign a category name that is descriptive of the images, such as "WORLD" or "FLOWER."

3. Place the desired images into the folder named for the category.

4. Make sure that USB memory (user memory) is connected to the USER MEMORY connector on the rear panel.

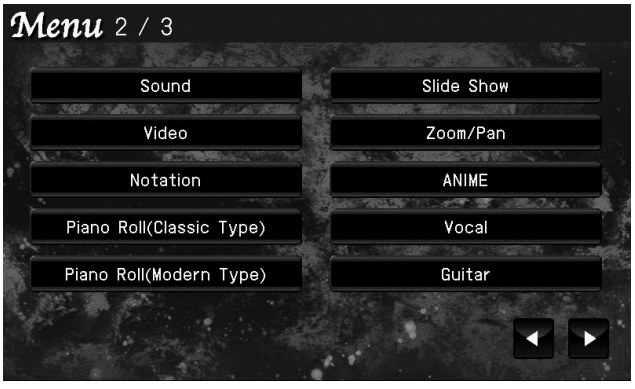
5. Connect the USB memory containing your images to the RK-300's EXT MEMORY connector.

6. Accesµs the main screen.

* If the main screen is not shown, press the [EXIT] button until the main screen appears.

7. Touch < Menu >.

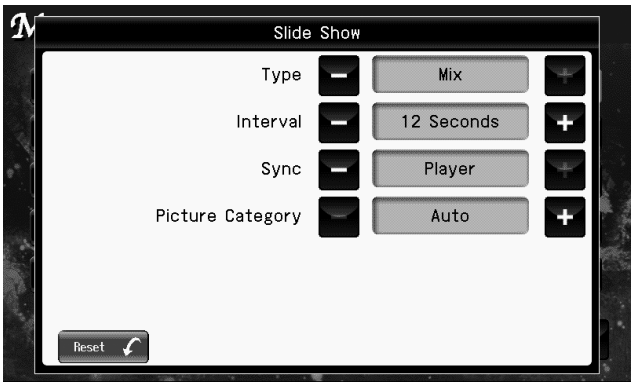
The Menu screen appears.



* There are three menu screens. Touch ◀ ▶ to switch screens.

8. Touch < Slide Show >.

The following screen appears.



9. Press the [COPY/SAVE] button.

The following screen appears.

10. Touch [−] [+] to select the folder that you want to import.

* If you decide not to import the folder, touch < Cancel >.

11. Touch < Import >.

The following screen appears.

* If you decide not to import the folder, touch < Cancel >.

12. Touch < OK >.

The selected folder will be imported into the RK-300 as a user category.

Deleting a user category

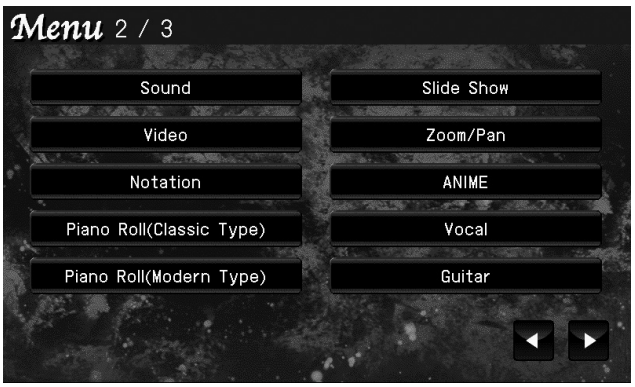
Here's how to delete a user category from the picture categories.

1. Access the main screen.

* If the main screen is not shown, press the [EXIT] button until the main screen appears.

2. Touch < Menu >.

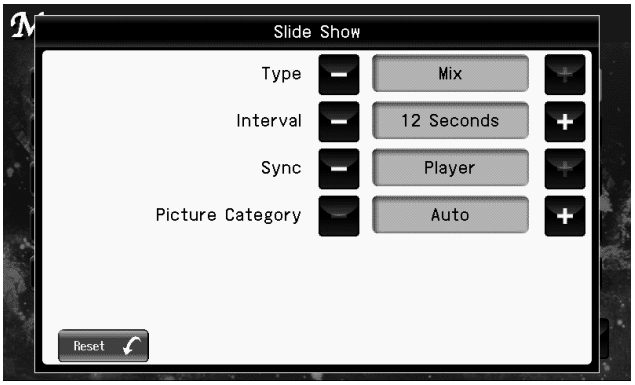
The Menu screen appears.



* There are three menu screens. Touch ◀ ▶ to switch screens.

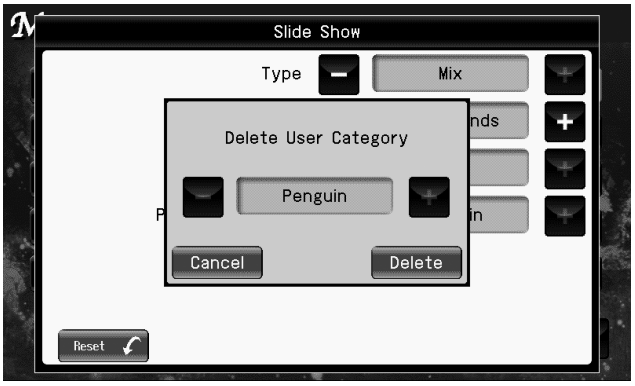
3. Touch < Slide Show >.

The following screen appears.



4. Press the [DELETE] button.

The following screen appears.



5. Touch "Delete User Category" [−] [+] to select the user category that you want to delete.

6. Touch < Delete >.

A screen like the following appears.

* If you decide not to delete the user category, touch < Cancel >.

7. Touch < OK >.

The selected user category will be deleted.

Watching a Slide Show with Digital Camera Photos

Photos of your vacation or of your family can be displayed as a slide show on the large screen of a television or display connected to the RK-300. Simply use a USB cable included with your digital camera to connect your digital camera to the RK-300.

You can perform while displaying the slide show, or play back a song to add background music.

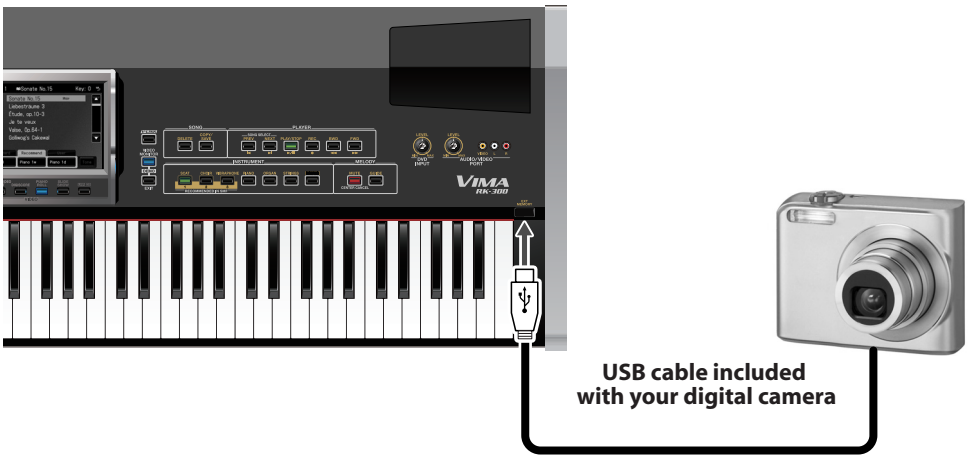
Image data that can be displayed	
Size	Recommended: 640 x 480 pixels and 200 kilobytes or less (Images of 1280 x 960 pixels or smaller and 400 kilobytes or less are supported) * If you are taking photographs for the purpose of displaying them on the RK-300, we recommend that you set your camera to an image size of 640 x 480 pixels beforehand. * Taking a photograph at a resolution that is larger than recommended will not improve the quality of the image shown in the screen. In addition, a resolution that is higher than the screen size will mean that the amount of data is unnecessarily greater, lengthening the time required to switch to the specified image.
Format	JPEG format (.JPG)

NOTE You can only connect a digital camera that supports USB mass storage class or PTP format. For details, refer to the owner's manual of your digital camera.

NOTE You can't operate the digital camera from the RK-300.

1. Make sure that your digital camera contains the photos you want to view as a slide show.

2. Use a USB cable to connect your digital camera to the RK-300's EXT MEMORY connector.



* Use a USB cable to connect your digital camera.

3. Press the [SLIDE SHOW] button so it's lit.

4. Select the song that you want to play (p. 70, p. 72, p. 76, p. 85).

5. Press the [PLAY/STOP] button to play back the song.

The photos in your digital camera will be displayed as a slide show on the television or display connected to the RK-300.

When all of the photos have been displayed, the slide show will begin again from the first photo.

MEMO

- If you press the [VIDEO MONITOR] button so it's lit, the RK-300's display will show the same image as the external display or television.

Watching a Slide Show with Photos Saved on USB Memory

Photos (images) saved on USB memory can be displayed as a slide show.

1. On your computer, prepare the images that you want to display.

Image data that can be displayed	
Size	800 x 480 pixels (recommended) (Images of 1280 x 960 pixels or smaller and 400 kilobytes or less are supported) * If you use images that are larger than the recommended size, it may take longer to switch images.
Format	JPEG format (.JPG)

2. Connect USB memory to your computer, and create a folder named "_PICTURE" on the USB memory.

3. Place the images you want to display in the "_PICTURE" folder.

4. Connect the USB memory containing the images you want to display to the RK-300's EXT MEMORY connector.

5. Press the [SLIDE SHOW] button so it's lit.

6. Select the song that you want to play, and play back the song.

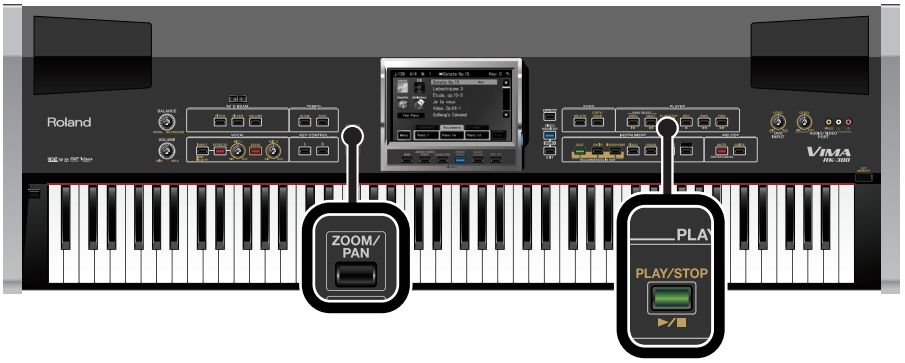
The images in the USB memory will be displayed as a slide show on the television or display connected to the RK-300.

NOTE

- Some images may not be displayed in the slide show if 500 or more images are contained in a single folder.

Zooming or Panning the Image (Zoom/Pan)

In addition to simply switching between images, a slide show also allows you to zoom or pan the images.

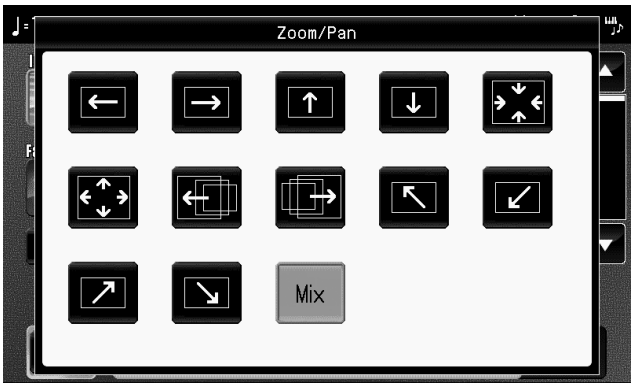


1. **Select a song (p. 70, p. 72, p. 76, p. 85).**

2. **Press the [SLIDE SHOW] button so it's lit.**

3. **Press the [ZOOM/PAN] button so it's lit.**

   The RK-300's display will show the zoom/pan type select screen.



4. **Touch the screen to select the desired zoom/pan type.**

5. **Press the [PLAY/STOP] button to play the song.**

   The slide show will be shown on the external display or television connected to the RK-300, and the images will zoomed or panned.

   MEMO If you press the [VIDEO MONITOR] button so it's lit, the RK-300's display will show the same image as the external display or television. This allows you to monitor the image that's being shown on the external display or television.

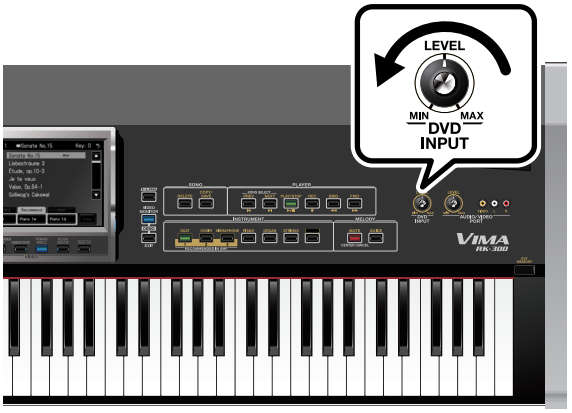
6. **To stop zooming or panning, press the [ZOOM/PAN] button to turn off its illumination.**

Performing with a Background Image from a DVD Player

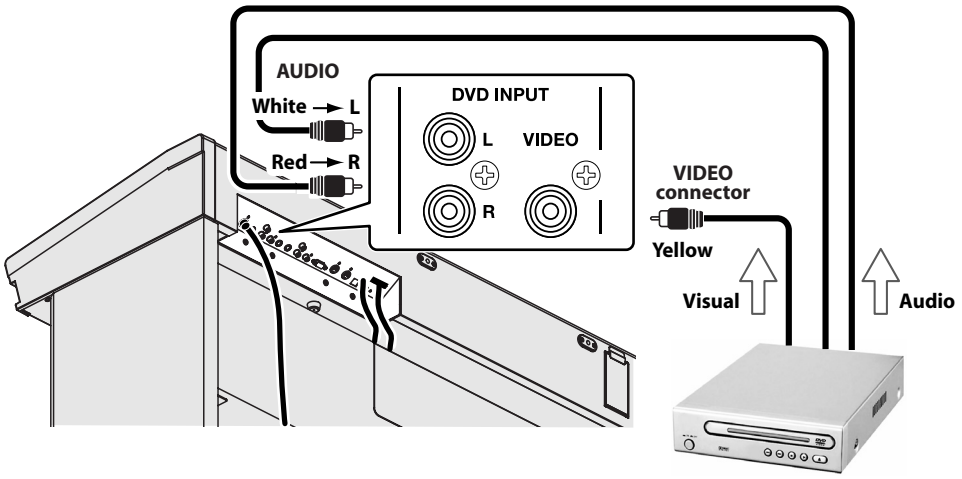
You can connect your DVD player and use an external display or a television connected to the RK-300 to show the image from the DVD player while listening to the music or narration through the RK-300's speakers.

You can also temporarily mute the DVD's sound on the RK-300 and perform to the DVD's background video, or decrease the melody portion and sing the melody yourself.

1. Turn the front panel [DVD INPUT] knob all the way toward the left to minimize the volume.



2. Connect your DVD player to the RK-300's rear panel DVD INPUT jacks.



NOTE DVD player cables can differ depending on the model. Check the shape of the connector on the RK-300, and make sure you have the correct type of cable when making connections.

NOTE Make sure that the DVD player you're connecting matches the television format selected on the RK-300. For details on setting the television format of your DVD player, refer to the owner's manual for your DVD player. For details on setting the RK-300's television format, refer to"Specifying the Television Format (Video Type)" (p. 175).

MEMO You can also connect your DVD player to the RK-300's front panel Roland AUDIO/VIDEO PORT jacks and view the video from your DVD player on the external display.

3. Press the [DVD] button so it's lit.

4. Play back your DVD player.

The external display or television connected to the RK-300 will show the video being played by the DVD player. The audio from the DVD player will be played back through the RK-300's speakers.

MEMO If you press the [VIDEO MONITOR] button located at the right of the display, the RK-300s display will show the same image as shown in the external display. This is a convenient way for you to see what's being shown in the external display or television.

5. Turn the front panel [DVD INPUT] knob to adjust the DVD volume.

6. If you want to decrease the vocal portion of the music from the DVD, press the [MUTE/CENTER CANCEL] button so it's lit.

This will decrease the vocal (melody) portion of the music from the DVD, allowing you to sing or play it yourself (p. 110).

MEMO You can change the pitch of the DVD player's sound. For details, refer to "Changing the Song to a Key that's Comfortable for Singing (KEY CONTROL)" (p. 109)

7. When you want to turn off the DVD image, press the [DVD] button to turn off its illumination.

If all of the video function select buttons are not lighted, the television or external display will show the VIMA logo (p. 41).

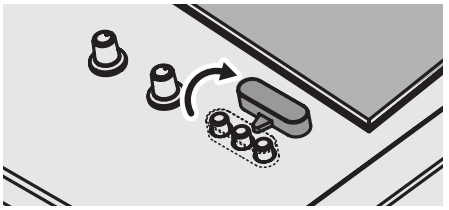
NOTE

- If you connect a device (such as a video camera) that contains a microphone to the RK-300's DVD INPUT jacks, acoustic feedback (a whine or shriek) may occur depending on the position of your video camera relative to the speakers. If this occurs, take the following actions.
  - Change the orientation of the video camera
  - Move the video camera away from the speakers
  - Lower the volume

Enjoying Powerful Sound and Big-screen Playback from Your Portable Audio/Video Player

If your portable audio player has video capability, you can connect it so the video is shown on the external display or television and the music is heard from the RK-300's speakers.

When using the Roland AUDIO/VIDEO PORT jacks, remove the jack cover.

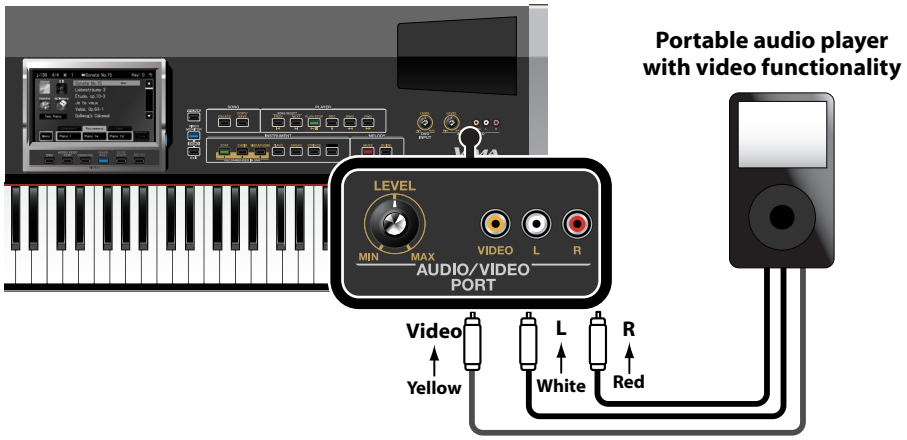


NOTE Do not pull the jack cover off the RK-300's panel.

1. Turn the front panel [AUDIO/VIDEO PORT] knob all the way toward the left to minimize the volume.

2. Connect your portable audio/video player to the RK-300's front panel Roland AUDIO/VIDEO PORT jacks.

For details, refer to the owner's manual of your portable audio/video player.



NOTE Make sure that the portable audio player you're connecting matches the television format selected on the RK-300. For details on setting the television format of your portable audio player, refer to the owner's manual for your portable audio player. For details on setting the VIMA's television format, refer to "Specifying the Television Format (Video Type)" (p. 175).

3. Press the [AUDIO/VIDEO PORT] button so it's lit.

4. Play back your portable audio/video player.

The external display or television connected to the RK-300 will show the image from your portable audio/video player. The sound from your player will be heard from the RK-300's speakers.

MEMO If you press the [VIDEO MONITOR] button located at the right of the display, the RK-300's display will show the same image as shown in the external display. This is a convenient way for you to see what's being shown in the external display or television.

5. Turn the front panel [AUDIO/VIDEO PORT] knob to adjust the portable audio/video player.

6. If you want to decrease the vocal portion of the music from the portable audio player, press the [MUTE/CENTER CANCEL] button so it's lit.

This will decrease the vocal (melody) portion of the music from the portable audio player, allowing you to sing or play it yourself (p. 110).

MEMO You can change the pitch of the portable audio player's sound. For details, refer to "Changing the Song to a Key that's Comfortable for Singing (KEY CONTROL)" (p. 109).

7. When you want to turn off the video from your portable audio player, press the [AUDIO/VIDEO PORT] button to turn off its illumination.

If all of the video function select buttons are not lighted, the television or external display will show the VIMA logo (p. 41).

MEMO

- You can connect your video camera to the Roland AUDIO/VIDEO PORT jack, and show the video from your video camera on an external display or television that's connected to the RK-300.

NOTE

- If you connect a device (such as a video camera) that contains a microphone to the Roland AUDIO/VIDEO PORT jacks, acoustic feedback (a whine or shriek) may occur depending on the position of your video camera relative to the speakers. If this occurs, take the following actions.
  - Change the orientation of the video camera
  - Move the video camera away from the speakers
  - Lower the volume

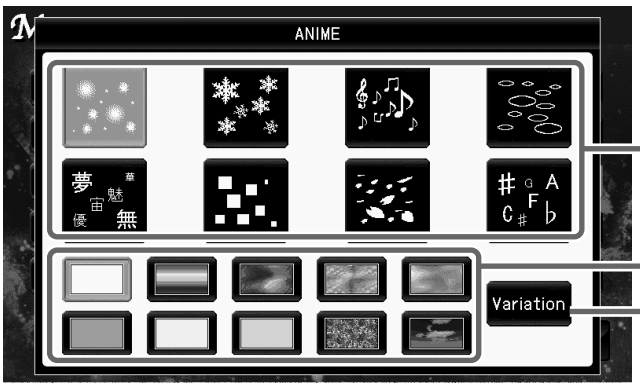
Having the Image Change According to Your Performance (ANIME)

"ANIME" is a special effect that displays graphics or text on the screen in synchronization with your keyboard performance or the sounds of the song that is playing, and moves the graphics or text while they gradually disappear. You can use this to heighten the visual impact when you're performing along with a song, or playing along with a slide show or DVD video.

NOTE You can't apply the ANIME function in the DIGISCORE screen or the Piano Roll screen.

1. Press the [ANIME] button so it's lit.

ANIME effect will turn on. The RK-300's display will show the type/color select screen.



2. Touch the screen to choose the type and color.

* Each type provides "variation types," which produce a different type of change. Touch <Variation> to switch to the variation type.

3. Play the keyboard or play back a song.

Each time you play a key, graphics or text will appear, and will move around the screen as they gradually disappear.

4. To stop using ANIME effect, press the [ANIME] button to turn off its illumination.

Using the D Beam Controller to Vary the ANIME Effect

You can use the D Beam controller to apply additional change to the ANIME effect.

1. Press a D BEAM button, [PITCH], [FILTER], or [VOLUME], a number of times until the button is lit red.

Button	Button status	Explanation
[PITCH]	**Lit Red**	The movement of the graphics or text shown in the screen will change.
[FILTER]		The variation that occurs when you press the [PITCH] button will change.
[VOLUME]		The color of the graphics or text shown in the screen will change.

2. Move your hand above the D Beam controller.

The ANIME effect will change according to the movement of your hand above the D Beam controller.

MEMO

- By changing a pedal's function, you can use pedal operations to apply the same effect as the D Beam controller. For details on how to make settings, refer to "Assigning Functions to Pedals (Left Pedal/Center Pedal)" (p. 171) and ""Assigning Functions to Control Pedal (Control Pedal)" (p. 172).

Watching the Notes while a Song Plays (Piano Roll)

The RK-300 provides an on-screen simulation of a player piano.

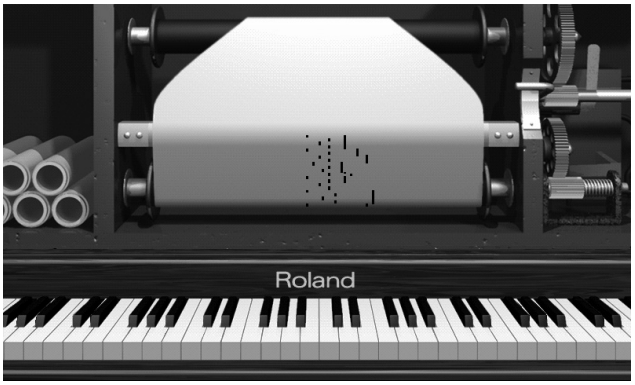
When you play back a song while viewing the classic-type piano roll screen, the on-screen keyboard will move automatically and the notes will be shown in the screen. This provides a visual indication of the pitch and duration of each note. For even more enjoyment, the RK-300 also provides Roland's own modern-type piano roll screen which lets you change the background image (wallpaper) and specify how the notes will appear.

The piano roll screen can be shown not just in the VIMA's built-in display but also on a large external display or television so that everyone can enjoy it.

NOTE You can't display the piano roll screen for a song from a music CD and an audio/MP3 format.

1. Press the [PIANO ROLL] button so its indicator is lit.

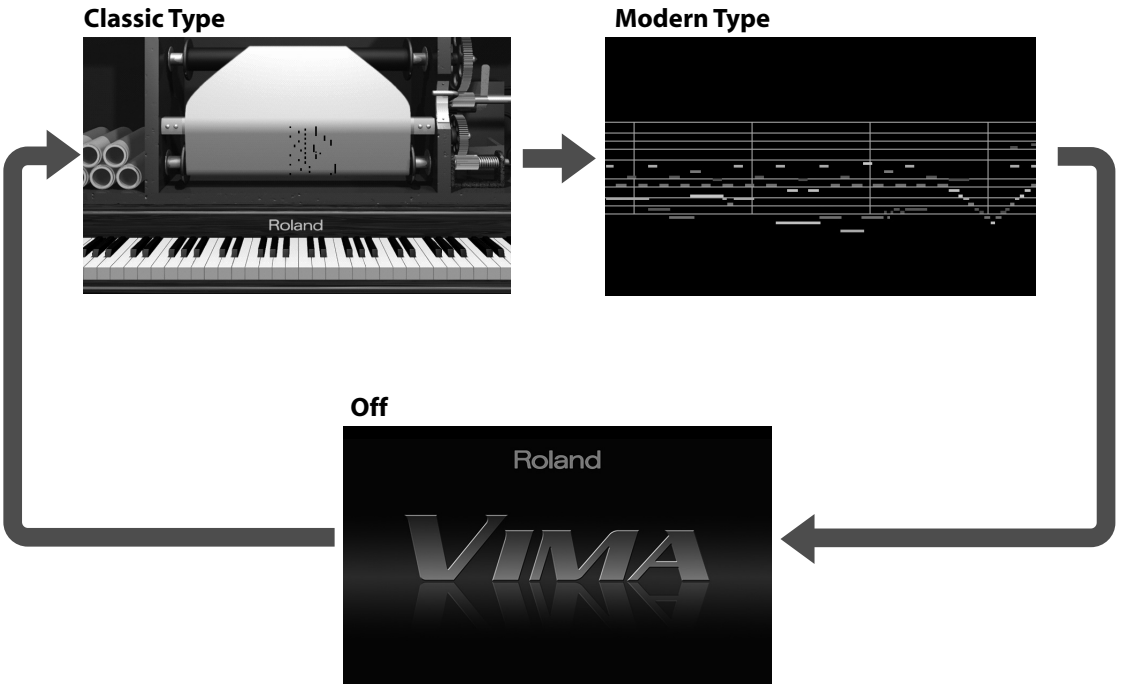
The piano roll screen appears.



MEMO If you want the RK-300's screen to show the piano roll screen, press the [VIDEO MONITOR] button located at the right of the screen. The RK-300's screen will show the same image as shown on the external display or television.

2. Press the [PIANO ROLL] button to switch the type of piano roll screen.

Pressing the [PIANO ROLL] button repeatedly cycles you through the available choices for the piano roll screen, in this order: piano roll screen (classic type) → piano roll screen (modern type) → piano roll screen off → piano roll screen (classic type), ... etc.



3. Press the [PLAY/STOP] button to play back the song.

The song will play, and the notes will be shown in the screen.

MEMO Even while the song is playing, you can press the [PIANO ROLL] button to switch the type of piano roll screen.

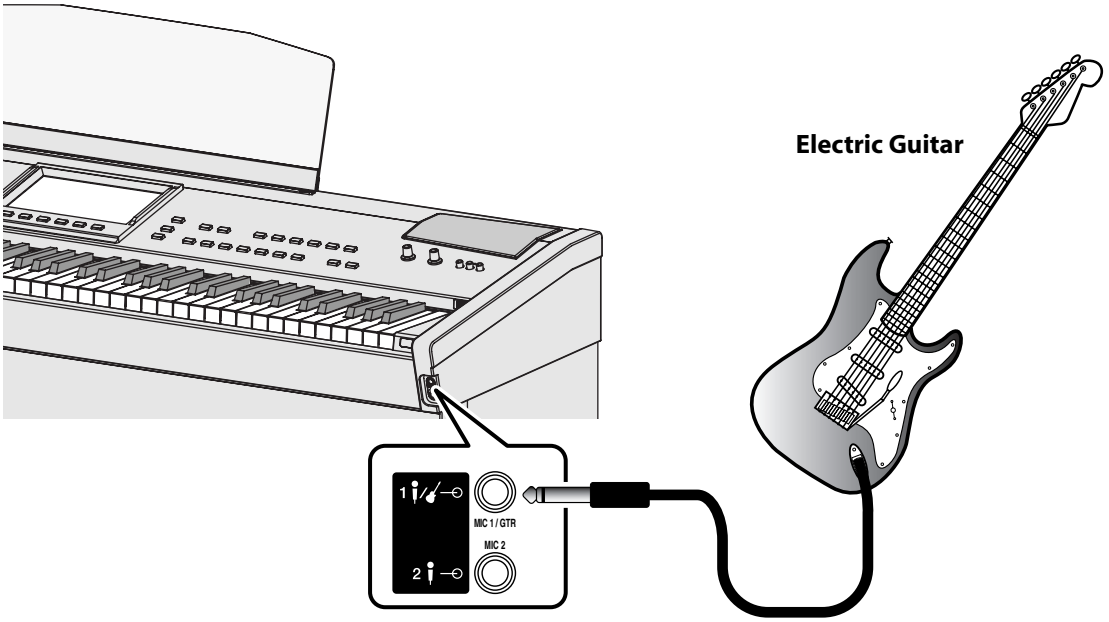
4. Press the [PLAY/STOP] button to stop the song.

MEMO

- You can change the color of the piano for the classic type piano roll screen, and switch the background image or display method for the modern type piano roll screen.
  → "Classic Type Piano Roll Screen Settings" (p. 178)
  → "Modern Type Piano Roll Screen Settings" (p. 179).
- You can use the keyboard to switch the type of piano roll that is shown in the screen.
  → "Using the Keyboard to Switch the Display (Piano Roll Split)" (p. 175).

Perform with a Connected Guitar

Basic Operation



1. **Connect your guitar to the MIC 1/GTR jack.**

Switching the MIC 1/GTR jack to guitar input

2. **Press the [INPUT] button so it's lit.**

[INPUT] button	Explanation
Lit	The jack will operate as a guitar input. When the [EFFECTS] button is lit, a guitar-type effect will be selected automatically.
Unlit	The jack will operate as a microphone input. When the [EFFECTS] button is lit, a vocal-type effect will be selected automatically.

Adjusting the volume of the guitar

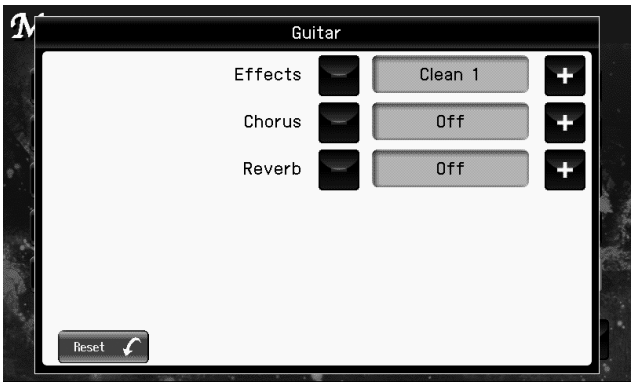
3. Turn the [MIC 1] knob to adjust the volume of the guitar.

Using a Guitar-type Effect

The RK-300 provides five different effects designed specifically for guitar. Here's how to select an effect and apply it to the sound of your guitar.

1. Press the [EFFECTS] button so it's lit.

If the [INPUT] button is lit, a guitar-type effect will automatically be turned on, and the effect setting screen also appears.



2. Touch "Effect" − + to select the desired effect.

Effect	Explanation
Clean 1–2	Produces a clean, undistorted sound.
OverDrive 1–3	Produces an overdrive sound.

MEMO If you touch < Reset >, all settings (parameters) shown in the current screen will return to their factory-set values.

3. Press [EXIT] to complete the effect setting.

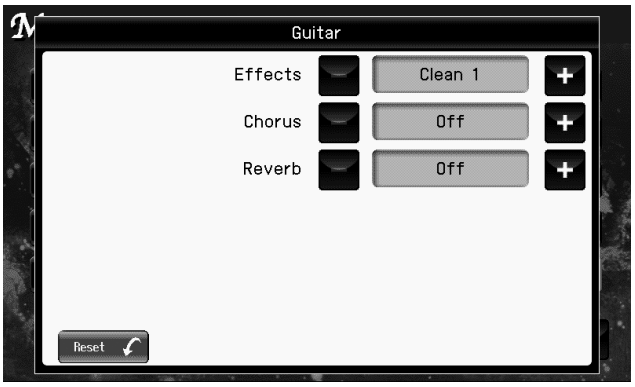
4. Play your guitar.

Applying Chorus/Reverb

The RK-300 provides chorus/reverb specifically for your guitar.

1. Press the [EFFECTS] button so it's lit.

If the [INPUT] button is lit, a guitar-type effect will automatically be turned on, and the effect setting screen also appears.



2. If you want to apply chorus, touch "Chorus" [−] [+] to select a value from 1 through 10.

Setting	Explanation
Off	Chorus will be off.
1–10	Chorus will be on. Higher-numbered settings will apply deeper chorus.

3. If you want to apply reverb, touch "Reverb" [−] [+] to select a value from 1 through 10.

Setting	Explanation
Off	Reverb will be off.
1–10	Reverb will be on. Higher-numbered settings will apply deeper reverb.

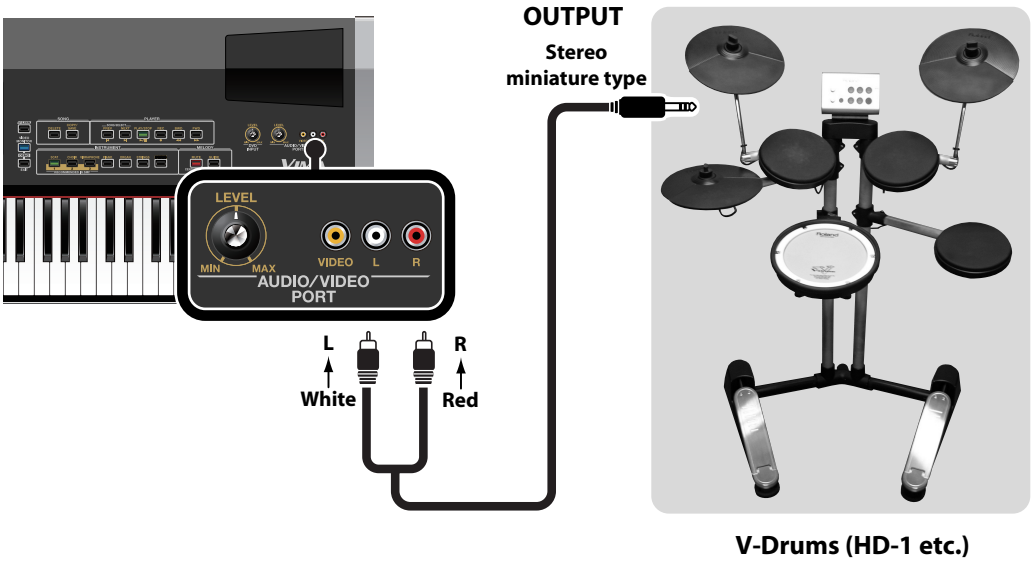
MEMO If you touch < Reset >, all settings (parameters) shown in the current screen will return to their factory-set values.

4. Press the [EXIT] button to complete the effect settings.

5. Play your guitar.

Performing with Electronic Drums Connected

Here's how to connect electronic drums to the RK-300, and add drum playing to your ensemble performance.



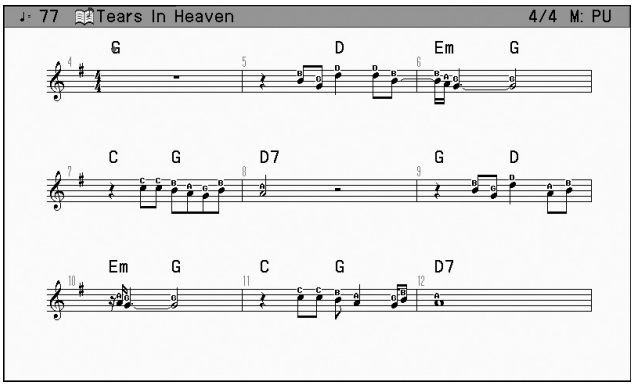
V-Drums (HD-1 etc.)

1. Connect your electronic drums to the front panel Roland AUDIO/VIDEO PORT jacks.

Enjoying Ensemble Performance with a Song

Performing while Viewing Chord Indications

Songs that have a " Chord " indication by their name will show chords in the score.
This is convenient when you're playing guitar.



MEMO

- If you're playing guitar, it's convenient to set the notation parameter's "Start" (p. 176) to "Song Top" so that the chords are shown from the introduction of the song.

Silencing or Reducing the Volume of a Specific Part (Part Mute)

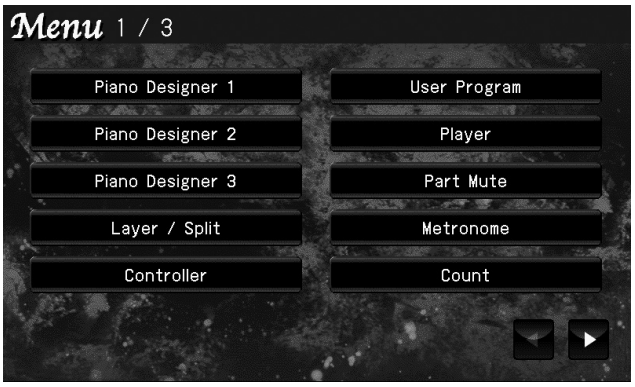
When enjoying ensemble performance along with a song, you can silence a part such as piano, vocal, or guitar so that the instrument you're playing does not conflict with that part of the recording. Alternatively, you can reduce the volume of that part and use it as a guide for your own playing.

1. Access the main screen.

* If the main screen is not shown, press the [EXIT] button until the main screen appears.

2. Touch < Menu >.

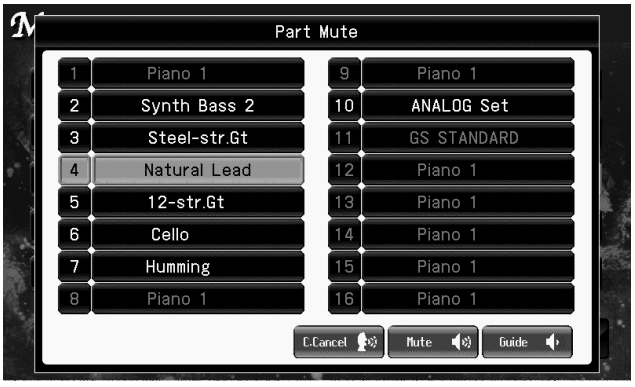
The Menu screen appears.



* There are three menu screens. Touch ◀ ▶ to switch screens.

3. Touch < Part Mute >.

The following screen appears.



4. Touch the part that you want to mute or use as a guide.

5. Touch < Mute > to silence the sound, or touch < Guide > to reduce the volume.

The part number will change to "M" if you select Mute, or "G" if you select Guide.

6. Press the [EXIT] button to complete the setting.

MEMO

- You can turn on "Center Cancel" (p. 110) by touching < C. Cancel > in the "Part Mute" screen.

Performing with the Metronome

You can listen to a metronome while you perform. This is convenient when you're playing in an ensemble, and need to match the timing.

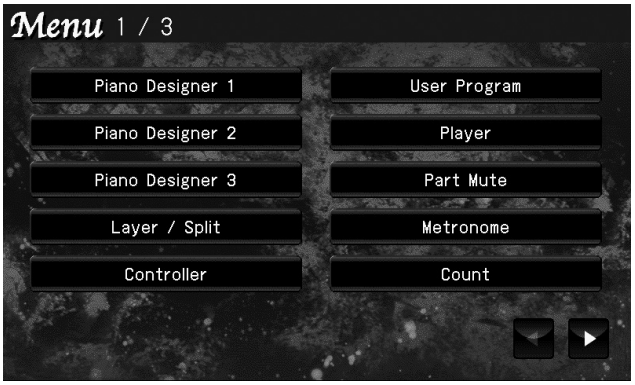
If an SMF format song is playing, the metronome will match the tempo and time signature of that song.

1. Access the main screen.

* If the main screen is not shown, press the [EXIT] button until the main screen appears.

2. Touch < Menu >.

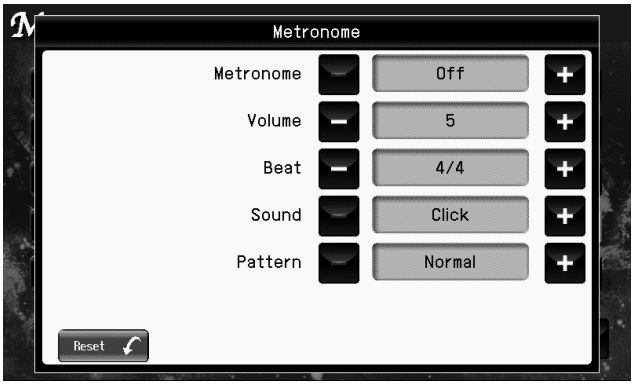
The Menu screen appears.



* There are three menu screens. Touch ◀ ▶ to switch screens.

3. Touch < Metoronome >.

The following screen appears.



4. Touch "Metronome" − + to turn it "On."

Choose "Off" if you don't want to hear the metronome.

5. Touch "Volume" − + to adjust the metronome volume.

Setting	Explanation
0–10	If this is set to 0, you won't be able to hear the metronome.

6. Touch "Beat" [−] [+] to select the metronome beat.

Setting
2/2, 0/4, 2/4, 3/4, 4/4, 5/4, 6/4, 7/4, 3/8, 6/8, 9/8, 12/8

MEMO When you record your performance, it will record in the beat that is selected.

MEMO When you play back a song, the metronome's beat will be set to the beat of that song.

NOTE You Can't change the metronome's beat while a song is playing.

7. Touch "Sound" [−] [+] to select the metronome sound.

Setting
Click, Electronic, Voice (Japanese), Voice (English), Animal, Wood Block, Castanets, Hand Claps

8. Touch "Pattern" [−] [+] to select the metronome to play at even smaller intervals.

Setting	Explanation
0–10	If this is set to 0, you won't be able to hear the metronome.
Normal	Usual sound
2.	dotted half note
2	half note
4.	dotted quarter note
4	quarter note
8.	dotted eighth note
8	eighth note
16	sixteenth note
Double	note added to back beat of the first beat
Triplet	added notes sound the first beat as a triplet
Shuffle	notes added to create a shuffle

MEMO If you touch < Reset >, all settings (parameters) shown in the current screen will return to their factory-set values.

9. When you're finished making settings, press the [EXIT] button.

Recording and Saving

The RK-300 lets you record your own performances.

You can record yourself playing along with a song, or play back your recorded performance and listen to it.

The RK-300 lets you record in the following ways.

SMF recording	Your performance will be recorded as an SMF format song. ● Recording only your own keyboard performance ● Recording your performance along with an internal song or SMF music data from USB memory or a CD
Audio recording	Your performance will be recorded as an audio file. ● Recording only your own keyboard performance ● Recording your ensemble performance that includes vocal or guitar ● Recording your performance along with an internal song or SMF format song from USB memory or a CD ● Recording your performance along with an audio song from USB memory or a CD ● Recording your performance along with an audio format song copied to "Favorites" ● Recording your performance along with a song from a music CD

If the following screen appears

A screen like the following will appear if you attempt to record a new song before saving the song you recorded.

If you don't want to keep the song you recorded, touch <OK> to delete it.

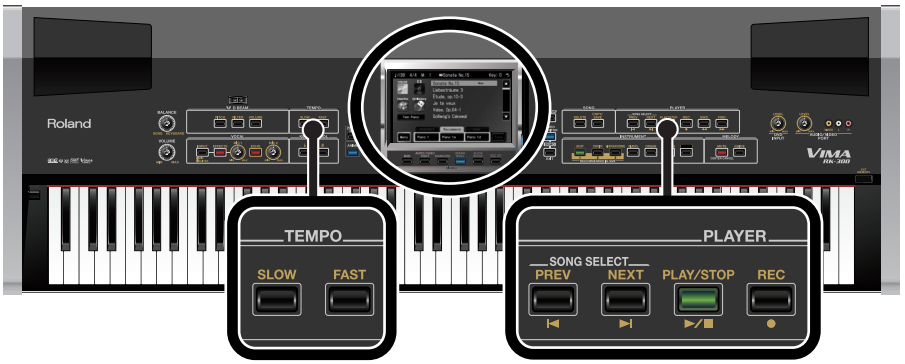
If you don't want to erase the song, touch <Cancel> to cancel the erasure.

Then save you recorded song in "Favorites" (p. 144).

SMF Recording

Recording Your Keyboard Performance

Here's how to record a performance you play on the keyboard without using an internal song.



Preparations

1. Select the sound that you want to play (p. 44).

Use the tone buttons and the touch panel to select the desired sound.

2. Access the main screen.

* If the main screen is not displayed, press the [EXIT] button until the main screen appears.

Start recording

3. Press the [REC] button.

The following screen appears.

* If you decide not to record, touch < Cancel >.

NOTE When you press the [REC] button, the "Play mode" (p. 173) will automatically be set to "One Song."

4. Touch < SMF >.

The [REC] button will light, and the following screen appears.

5. Touch < NewSong >.

The [PLAY/STOP] button will blink, and the RK-300 will enter recording-standby mode.

6. Press the [PLAY/STOP] button.

You'll hear a two-measure count, and then recording will start.

Recording will also start if you play the keyboard without pressing the [PLAY/STOP] button. In this case, you won't hear a count.

When recording starts, the [PLAY/STOP] button and [REC] button will light.

Stop recording

7. Press the [PLAY/STOP] button.

Recording will stop.

Play back the recorded performance

8. Press the [⏮] button, and then press the [PLAY/STOP] button.

The recorded performance will play back.

9. To stop playback, press the [PLAY/STOP] button once again.

Playback will stop automatically when you reach the end of the song.

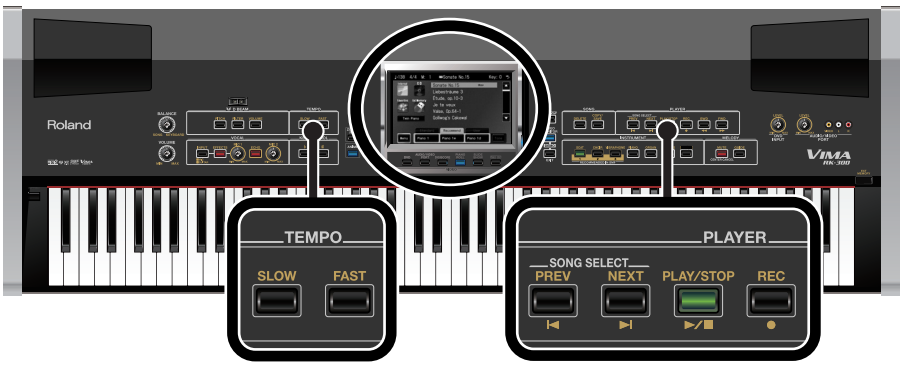
NOTE

- The recorded performance will disappear when you turn off the power. If you want to keep the recording, you must save it to "Favorites" (p. 144).

Recording a Performance You Played Along with a Song

Here's how to record a performance that you play along with an internal song or SMF music data from USB memory or a CD-ROM.

The song being played will be recorded together with your keyboard performance.



Preparations

1. Select a song (p. 70, p. 72, p. 76).

If you want to record along with a song from CD-ROM, insert the CD-ROM into the CD drive (p. 72).

If you want to record along with a song from USB memory, connect the USB memory (p. 76).

2. Select the sound that you want to play (p. 44).

Use the tone select buttons and the touch panel to select the desired sound.

3. Use TEMPO [SLOW] [FAST] buttons to specify the tempo for recording.

NOTE The tempo of the recorded performance is stored as the tempo of the song you selected when recording. If you're recording your performance along with a song, it will be recorded with the time signature of that song.

Start recording

4. Press the [REC] button.

The following screen appears.

* If you decide not to record, touch < Cancel >.

NOTE When you press the [REC] button, the "Play mode" (p. 173) will automatically be set to "One Song."

5. Touch < SMF >.

The [REC] button will light, and the following screen appears.

* If you decide not to record, touch < Cancel >.

6. Touch < Add On >.

The [PLAY/STOP] button will blink, and the RK-300 will enter recording-standby mode.

7. Press the [PLAY/STOP] button.

You'll hear a two-measure count, and then recording will start.

Recording will also start if you play the keyboard without pressing the [PLAY/STOP] button. In this case, you won't hear a count.

When recording starts, the [PLAY/STOP] button and [REC] button will light.

Stop recording

8. Press the [PLAY/STOP] button.

Recording will stop.

Play back the recorded performance

9. Press the [⏮] button, and then press the [PLAY/STOP] button.

The recorded performance will play back.

10. To stop playback, press the [PLAY/STOP] button once again.

Playback will stop automatically when you reach the end of the song.

NOTE

- The recorded performance will disappear when you turn off the power. If you want to keep the recording, you must save it to "Favorites" (p. 144).

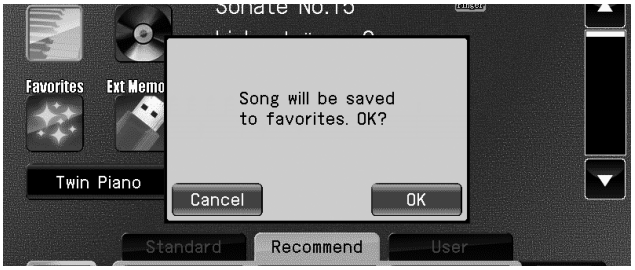
Saving a Recorded Performance to “Favorites”

If you record a performance and then simply turn off the RK-300’s power without saving it, the recorded performance will disappear. If you want to keep the recording, you must save it to “Favorites.”

1. Record a performance (p. 140, p. 142).

2. Press the [COPY/SAVE] button.

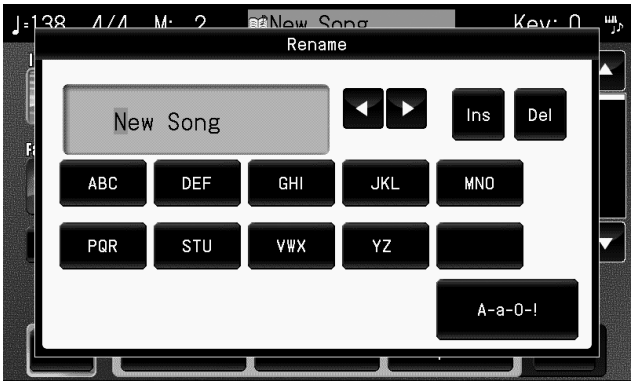
A confirmation message appears.



* If you decide not to save, touch < Cancel >.

3. Touch < OK >.

The “Rename” screen appears.



* If you don’t need to change the name of the song, proceed to step 6.

4. Touch ◀ ▶ to move the cursor.

5. Enter the desired characters.

Icon	Explanation
< ABC >–< YZ >	Enters a character at the cursor location. For example, each time you touch the <ABC> icon, the character to be entered will cycle in the order of A → B → C → A...
< A–a–0–! >	Cycles you through the available selections for the character type, in this order: "Uppercase letters," "Lowercase letters," "Numerals," "Symbols."
< Del >	Delete the character at the cursor position.
< Ins >	Insert a space at the cursor position.

6. When you've finished entering the name, press the [EXIT] button.

The song will be saved in "Favorites" with the name you specified.

NOTE

- Never turn off the power while the screen indicates "Saving..."

Audio Recording

Recording the Sound of Your Keyboard Performance or Ensemble

Here's how to record your own keyboard performance or an ensemble performance that includes vocals or guitar.

When using a microphone or guitar

1. **Connect your microphone or guitar (p. 101, p. 132).**
2. **As desired, turn on the vocal effect (p. 104) or guitar effect (p. 133).**
3. **Adjust the volume of your microphone or guitar (p. 102, p. 133).**

Preparations

1. **Make sure that USB memory (user memory) is connected to the USER MEMORY connector on the rear panel.**
2. **Select the sound that you want to play (p. 44).**

   Use the tone buttons or the touch panel to select the desired sound.
3. **Access the main screen.**

* If the main screen is not displayed, press the [EXIT] button until the main screen appears.

Start recording

4. **Press the [REC] button.**

   The following screen appears.

* If you decide not to record, touch < Cancel >.

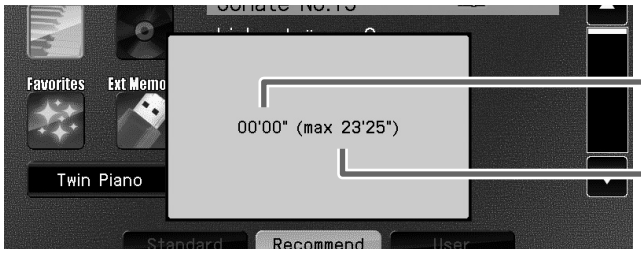
NOTE When you press the [REC] button, the "Play mode" (p. 173) will automatically be set to "One Song."

5. Touch < Audio >.

The [PLAY/STOP] button will blink, and the following screen appears.

6. Touch < NewSong >.

A screen like the following appears.



Recorded time (minutes : seconds)

Recordable time (minutes : seconds)

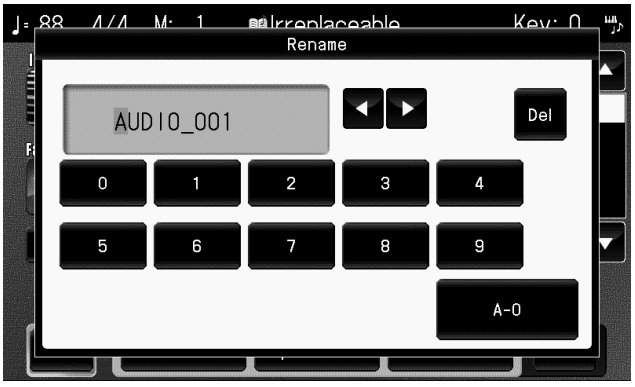
7. Press the [PLAY/STOP] button.

The [PLAY/STOP] button and [REC] button will light, and recording will start.

Stop recording

8. Press the [PLAY/STOP] button.

Recording will stop, and the name editing screen appears.



* If you don't want to change the name of the song, proceed to step 11.

9. Touch ◀ ▶ to move the cursor.

10. Enter the desired characters.

Icon	Explanation
< ABC >–< YZ >	Enters a character at the cursor location. For example, each time you touch the <ABC> icon, the character to be entered will cycle in the order of A → B → C → A...
< A–0 >	Switches between entering letters and numbers.
< Del >	Delete the character at the cursor position.

11. When you've finished entering the name, press the [EXIT] button.

The song will be saved in "Favorites" with the name you specified.

Play back the recorded performance

12. In the main screen, touch (Favorites).

13. Use the [PREV] [NEXT] buttons to select the song that you recorded, and press the [PLAY/STOP] button.

The performance you recorded will play back.

14. To stop playback, press the [PLAY/STOP] button once again.

Playback will stop automatically when you reach the end of the song.

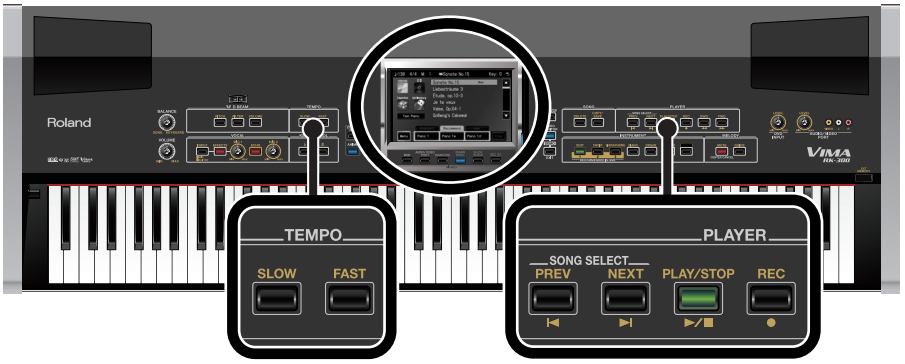
MEMO

- If the sound of the recorded song is distorted or if its volume is too low, adjust the "Audio Recording Gain" (p. 174), and record once again.

Layering Your Performance onto the Playback

You can record (overdub) your own performance while playing back the following types of songs.

- Internal songs
- Songs from USB memory or CD (SMF or audio format)
- Songs copied to "Favorites" (SMF or audio format)
- Songs from a music CD



Preparations

1. Make sure that USB memory (user memory) is connected to the USER MEMORY connector on the rear panel.

2. Select the desired song (p. 72, p. 76).

If you want to record along with a song from CD-ROM or a song from a music CD, insert the CD-ROM or music CD into the CD drive (p. 72).

If you want record along with a song from USB memory, connect the USB memory (p. 76).

3. Select the sound that you want to play (p. 44).

Use the tone buttons or the touch panel to select a sound.

4. Use TEMPO [SLOW] [FAST] buttons to specify the recording tempo.

MEMO

- Use "Audio Play Level" (p. 174) to adjust the volume of a music CD or audio format song.

Start recording

5. Press the [REC] button.

The following screen appears.

* If you decide not to record, touch < Cancel >.

NOTE When you press the [REC] button, the “Play mode” (p. 173) will automatically be set to “One Song.”

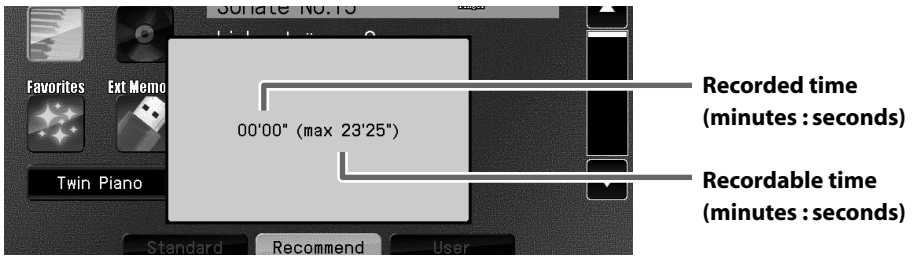
6. Touch < Audio >.

The following screen appears.

* If you decide not to record, touch < Cancel >.

7. Touch < Add On >.

A screen like the following appears.



8. Press the [PLAY/STOP] button.

The [PLAY/STOP] button and [REC] button will light, and recording will start.

Stop recording

9. Press the [PLAY/STOP] button.

Recording will stop, and the “Rename” screen appears.

* If you don’t want to change the name of the song, proceed to step 12.

10. **Touch ◀ ▶ to move the cursor.**

11. **Enter the desired characters.**

Icon	Explanation
< ABC >–< YZ >	Enters a character at the cursor location. For example, each time you touch the <ABC> icon, the character to be entered will cycle in the order of A → B → C → A...
< A–0 >	Switches between entering letters and numbers.
< Del >	Delete the character at the cursor position.

12. **When you've finished entering the name, press the [EXIT] button.**

The song will be saved in "Favorites" with the name you specified.

Play back the recorded performance

13. **In the main screen, touch (Favorites).**

14. **Use the [PREV] [NEXT] buttons to select the song that you recorded, and press the [PLAY/STOP] button.**

The performance you recorded will play back.

15. **To stop playback, press the [PLAY/STOP] button once again.**

Playback will stop automatically when you reach the end of the song.

MEMO

- If the sound of the recorded song is distorted or if its volume is too low, adjust the "Audio Recording Gain" (p. 174), and record once again.

Copying Songs from “Favorites” to USB memory

Here’s how songs you’ve recorded on the RK-300 and saved in “Favorites” can be copied to USB memory.

NOTE If you want to copy an audio/MP3 format song to USB memory, make sure that a CD-R is not inserted in the CD drive. If a CD-R is inserted, writing to CD-R will take priority, and you won’t be able to copy to USB memory.

1. Connect the USB memory to the EXT MEMORY connector (p. 36).

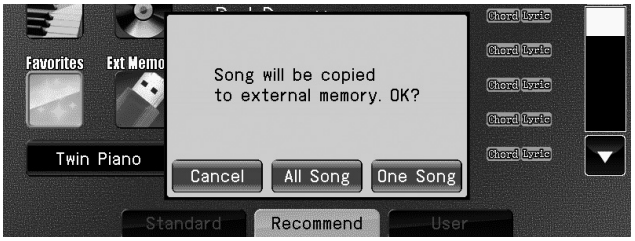
2. Touch (Favorites) in the main screen.

The RK-300’s screen will show a list of the songs saved in “Favorites.”

3. Touch the screen or press the [PREV] [NEXT] buttons to select the song you want to copy.

4. Press the [COPY/SAVE] button.

The following screen appears.



* If you decide not to copy the song, touch < Cancel >.

5. Touch < One Song > if you want to copy just a single song, or touch < All > if you want to copy all songs.

The song will be copied from "Favorites" to USB memory.

MEMO

- Some song data contains copy-prohibit data, and cannot be copied.
- Don't disconnect the USB memory from the EXT MEMORY connector until the copy operation has been completed.
- You must never turn off the power until the copy operation has been completed. Doing so will damage the USB memory or the RK-300's internal memory, rendering it unusable.

Creating a Music CD

Here's how songs you've audio-recorded and saved in "Favorites" can be written to a CD-R to create a music CD.

After you've written your songs, execute the "Finalize" operation to complete your new music CD.

Note when creating a music CD

- You can't write SMF format songs to a CD-R.
- A song that's shorter than four seconds cannot be written to CD-R.

Usable discs	Unused CD-R, or unfinalized CD-R
Maximum recording time	650 MB: approximately 74 minutes 700 MB: approximately 80 minutes
Number of recordable songs	Maximum of 99 songs

What's finalization?

Finalization is the process of writing final information (the number of songs, the song numbers, the playback times, etc.) to a CD-R disc. When you "finalize" a CD-R disc that was recorded or written by the RK-300, that disc will be playable as a music CD in another CD player.

* After finalization, it will no longer be possible to record or write additional material to that disc. You should finalize the disc when you have completed your music CD and don't need to write or record any more data.

1. Insert an unused CD-R disc or an unfinalized CD-R disc into the CD drive.

The (CD) in the main screen will change to the (CD-R).

2. Touch (Favorite) or (Ext Memory).

The song list appears.

3. Select the audio/MP3 format song that you want to write to the CD-R.

4. Press the [COPY/SAVE] button.

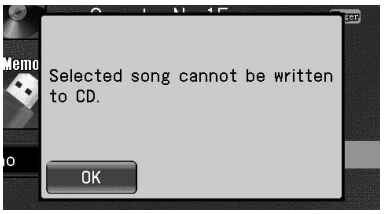
A screen like the following appears.

5. Touch < OK >.

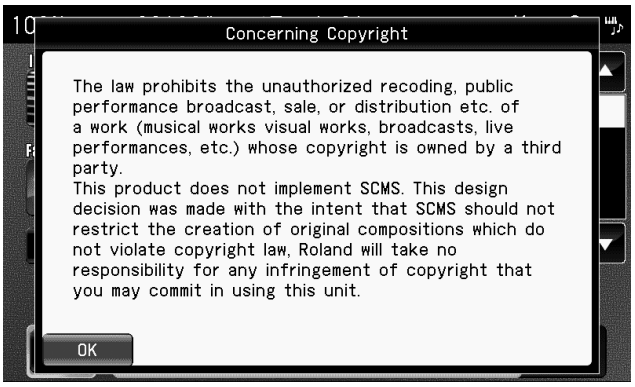
* If you decide not to write, touch < Cancel >.

If a CD-R disc is inserted in the CD drive, and you select a song that's less than four seconds in length and press the [COPY/SAVE] button, the message shown at right will appear.

If this occurs, touch <OK> and then re-select a song that can be written to disc.

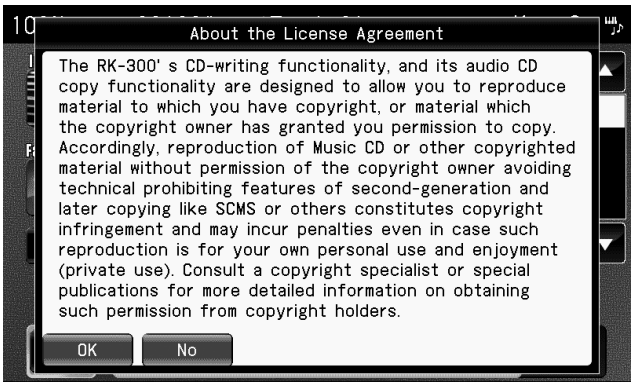


The following screen ("Concerning Copyrights") appears.



6. Touch < OK >.

The following screen ("About the License Agreement") appears.



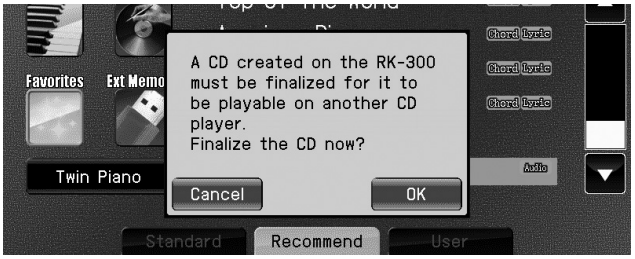
* If you decide not to write, touch < Cancel >.

7. Touch < OK >.

The song will be written to the disc.

NOTE Never turn off the power while the display indicates “Now writing...”

When writing has been completed, the following screen will appear.



OK	When writing is finished, the disc will be finalized to complete the music CD. No further data can be written to a CD-R disc that has been finalized, even if space remains on the disc.
Cancel	The disc will not be finalized when writing is finished. After the tracks have been written, you will still be able to add more tracks if space remains on the disc. If you don’t finalize at this point, you can still finalize later to complete your music CD. “Preparing a CD-R Disc for Playback on Another CD Player (Finalize)” (p. 190)

8. Touch <OK > or < Cancel >.

If you touch < Finalize >, finalization will begin, and when it is completed you will return to the main screen.

NOTE Never turn off the power while the display indicates “Now executing...”

* If you touch < Cancel >, you will return to the main screen.

If you want to write additional songs to the disc

9. Repeat steps 3–8 as necessary.

NOTE

- We cannot guarantee that a music CD created on the RK-300 will play on all CD players. Depending on your CD player’s support for CD-R discs, music CDs you create may not play correctly.

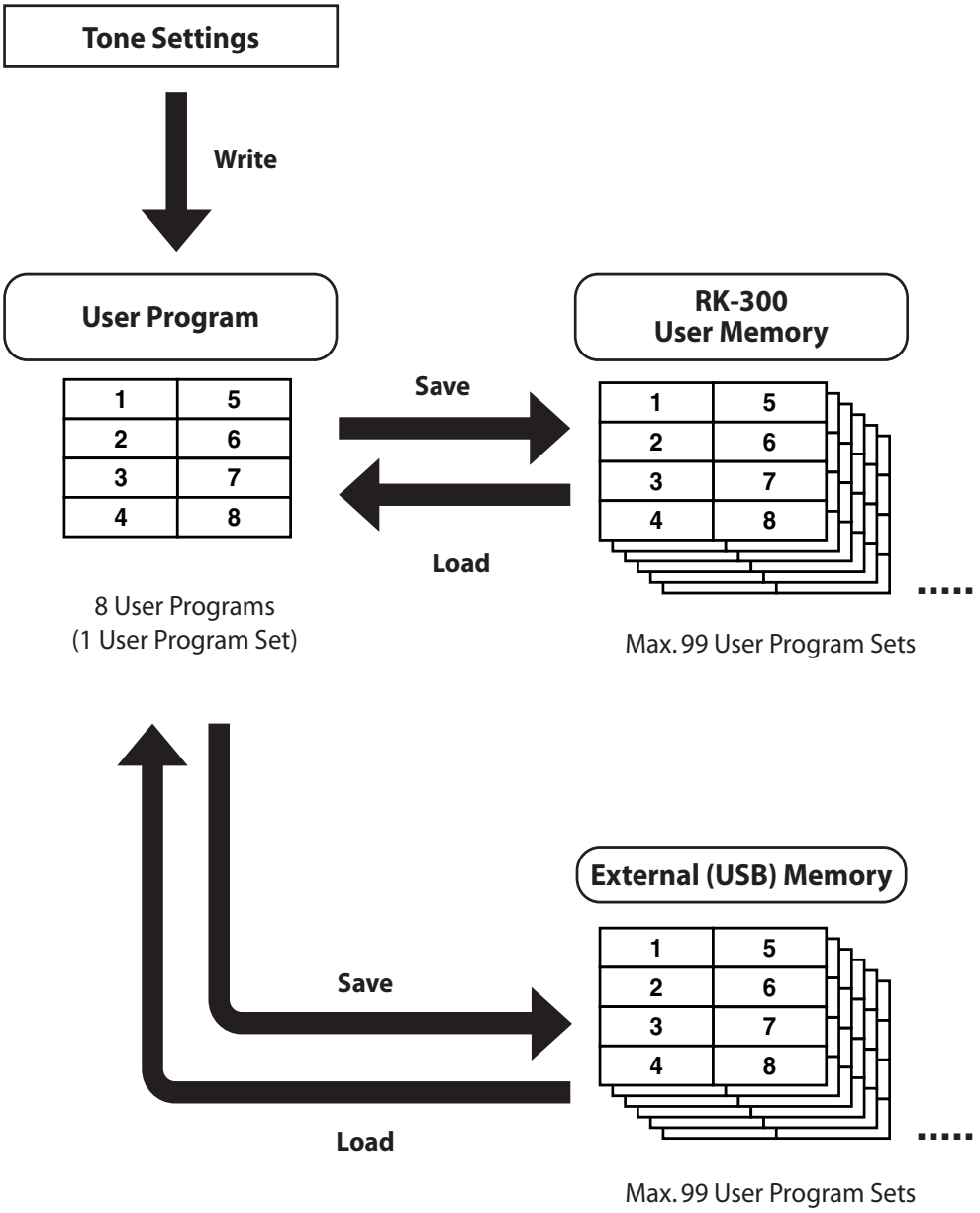
Storing Your Sound Settings (User Program)

You can store the current sound settings as a set called a "User Program." Eight of these can be stored in the RK-300.

In addition, you can save the eight "User Programs" on external memory as a single file, or load a saved file back into the RK-300.

Each "User Program" stores the following contents.

- Standard sounds
- User sounds
- Currently selected sound
- Split point
- Layer balance

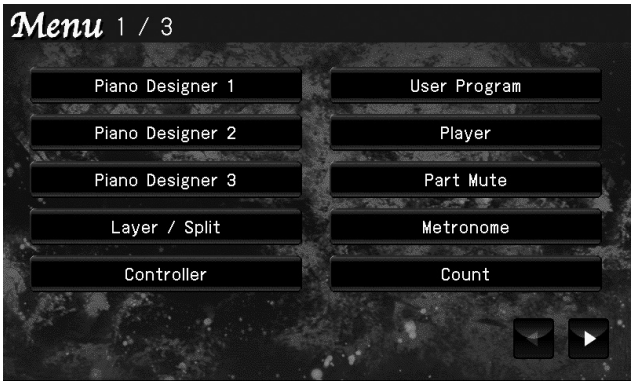


Storing a “User Program”

1. Select the desired sound.

2. In the main menu, touch < Menu >.

The Menu screen appears.



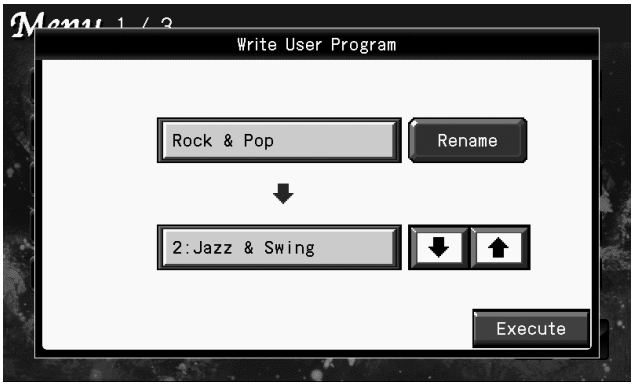
* There are three menu screens. Touch ◀ ▶ to switch screens.

3. Touch < User Program >.

The “User Program” screen appears.

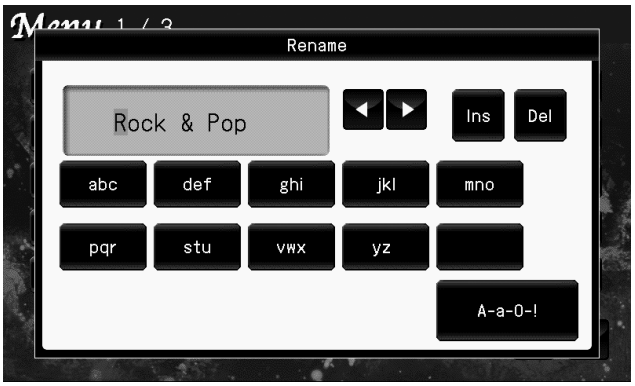
4. Touch < Write >.

The “Write User Program” screen appears.



5. Touch < Rename >.

The "Rename" screen appears.



6. Touch ◀ ▶ to move the cursor.

7. Enter the desired characters.

Icon	Explanation
< ABC >–< YZ >	Enters a character at the cursor location. For example, each time you touch the <ABC> icon, the character to be entered will cycle in the order of A → B → C → A...
< A–a–0–! >	Cycles you through the available selections for the character type, in this order: "Uppercase letters," "Lowercase letters," "Numerals," "Symbols."
< Del >	Delete the character at the cursor position.
< Ins >	Insert a space at the cursor position.

8. When you've specified the desired name, press the [EXIT] button.

9. Touch ▼ ▲ to select the desired write-destination number.

* If you decide not to write the user program, touch < Cancel >.

10. Touch < Execute >.

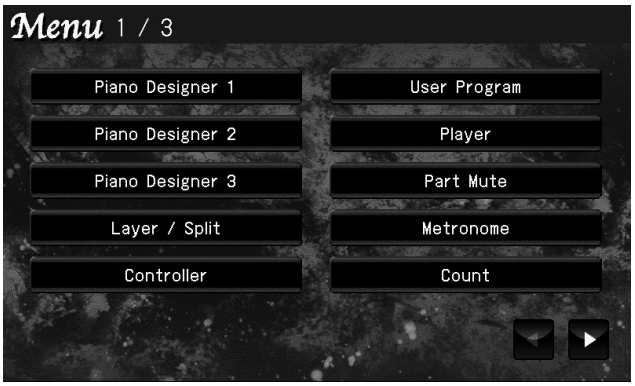
The settings will be written at the number you selected.

11. Press the [EXIT] button to end the procedure.

Selecting a “User Program”

1. In the main menu, touch < Menu >.

The Menu screen appears.



* There are three menu screens. Touch ◀ ▶ to switch screens.

2. Touch < User Program >.

The “User Program” screen appears.

MEMO You can also access the “User Program” screen by holding down the [EXIT] button and pressing the [V-LINK] button.

3. Touch < 1 >–< 8 > to recall a “User Program.”

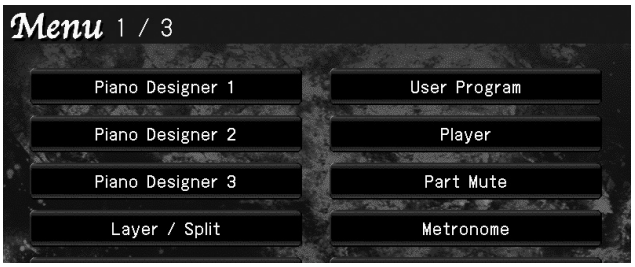
Saving “User Programs” to USB Memory

Here’s how eight “User Programs” can be saved to user memory or external memory as a single file.

1. Connect USB memory to the USER MEMORY connector or EXT MEMORY connector.

2. In the main menu, touch < Menu >.

The Menu screen appears.



* There are three menu screens. Touch ◄ ► to switch screens.

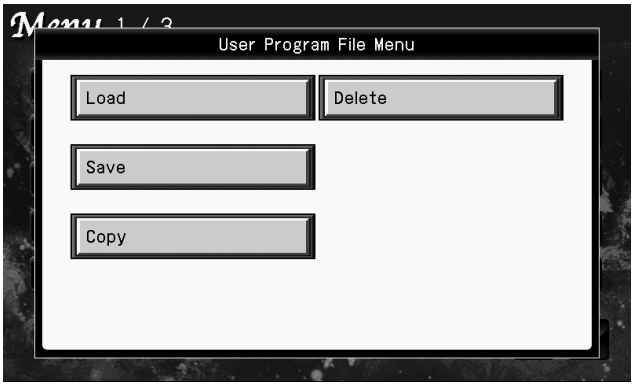
3. Touch < User Program >.

The “User Program” screen appears.

MEMO You can also access the “User Program” screen by hold down the [EXIT] button and press the [V-LINK] button.

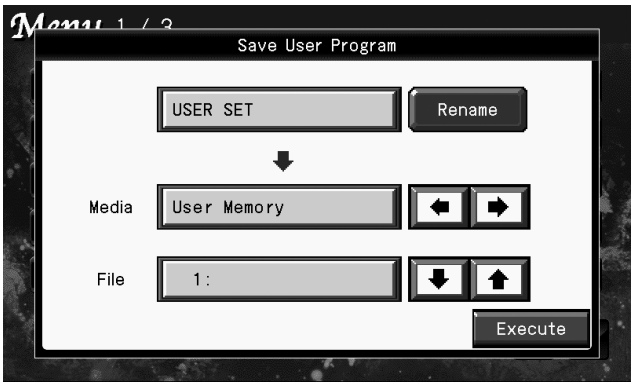
4. Touch < File >.

The “User Program File Menu” screen appears.



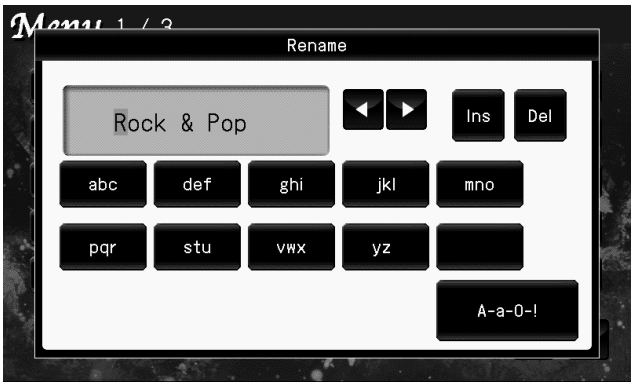
5. Touch < Save >.

The “Save User Program” screen appears.



6. Touch < Rename >.

The “Rename” screen appears.



7. Touch ◀ ▶ to move the cursor.

8. Enter the desired characters.

Icon	Explanation
< ABC >–< YZ >	Enters a character at the cursor location. For example, each time you touch the <ABC> icon, the character to be entered will cycle in the order of A → B → C → A...
< A–a–0–! >	Cycles you through the available selections for the character type, in this order: “Uppercase letters,” “Lowercase letters,” “Numerals,” “Symbols.”
< Del >	Delete the character at the cursor position.
< Ins >	Insert a space at the cursor position.

9. When you’ve assigned the desired name, press the [EXIT] button.

10. Touch “Media” [◀][▶] to select the media in which you want to store the data.

User Memory	USB memory connected to the USER MEMORY connector
External Memory	USB memory connected to the EXT MEMORY connector

11. Touch “File” [▼][▲] to select the number at which you want to store the data.

Numbers for which a name is shown already contain a saved file.

If you select a number that already contains a file and execute this Save operation, the previously saved file will be overwritten (erased). If you don’t want to lose the settings that are saved in the existing file, select a number that does not show a file name in the “File” column.

12. Touch <Execute>.

The file will be saved.

NOTE

- Never turn off the power and remove the USB memory while the screen indicates “Executing...”

Loading a File from USB Memory

Here's how a file you've saved to user memory or external memory can be loaded back into the RK-300.

NOTE When you load a file, all of the "User Programs" stored in the RK-300 will be erased (overwritten).

1. Connect your USB memory to the USER MEMORY connector or EXT MEMORY connector.

2. In the main menu, touch < Menu >.

The Menu screen appears.

* There are three menu screens. Touch ◄ ► to switch screens.

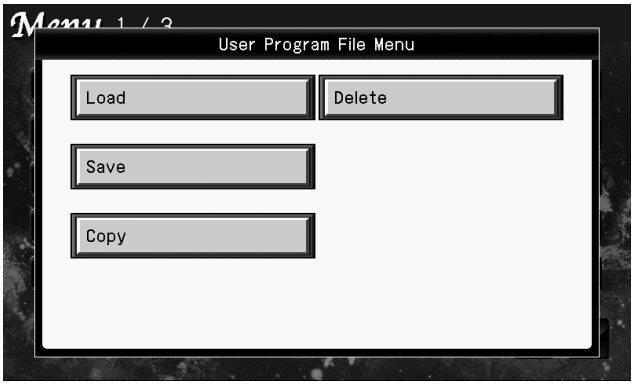
3. Touch < User Program >.

The "User Program" screen appears.

MEMO You can also access the "User Program" screen by holding down the [EXIT] button and pressing the [V-LINK] button.

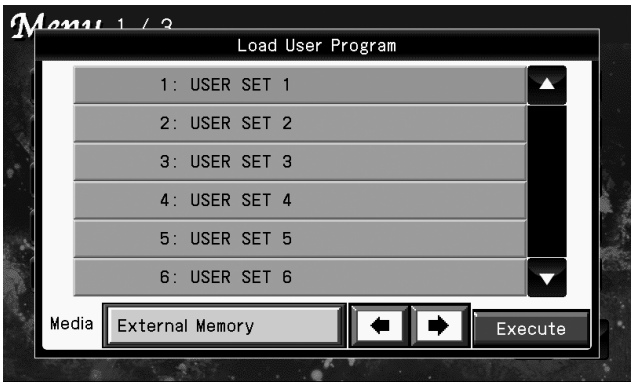
4. Touch < File >.

The "User Program File Menu" screen appears.



5. Touch < Load >.

The “Load User Program” screen appears.



6. Touch “Media” ◀ ▶ to select the storage media from which you want to load the file.

User Memory	USB memory connected to the USER MEMORY connector
External Memory	USB memory connected to the EXT MEMORY connector

7. Touch the file that you want to load.

You can scroll the screen by touching the scroll bar and stroking upward or downward.

8. Touch < Execute >.

The file will be loaded.

NOTE

- Never turn off the power and remove the USB memory while the screen indicates “Executing...”

Copying a File Between User Memory and External Memory

Here's how a file saved in external memory can be copied to user memory.
You can also copy a file from user memory to external memory.

1. Connect USB memories to the USER MEMORY connector and EXT MEMORY connector.

2. In the main menu, touch < Menu >.

The Menu screen appears.

* There are three menu screens. Touch ◄ ► to switch screens.

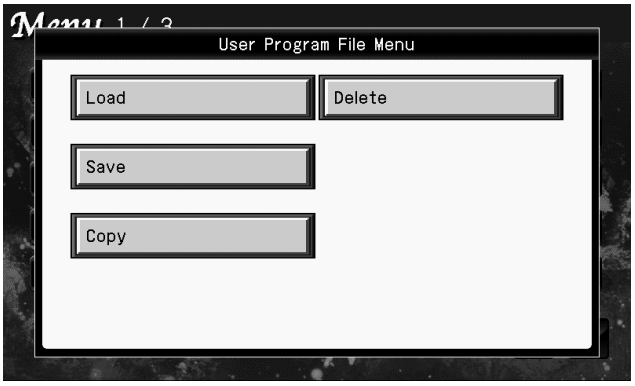
3. Touch < User Program >.

The "User Program" screen appears.

MEMO You can also access the "User Program" screen by holding down the [EXIT] button and pressing the [V-LINK] button.

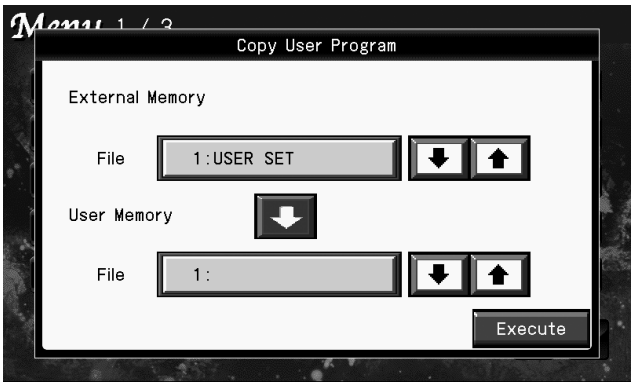
4. Touch < File >.

The "User Program File Menu" screen appears.



5. Touch < Copy >.

The “Copy User Program” screen appears.



6. Touch the arrow in the center of the screen to specify the copy source and copy destination.

If you want to copy from external memory → user memory, make the arrow point downward.
If you want to copy from user memory → external memory, make the arrow point upward.

7. Touch Ext Memory’s “File” ⬇⬆ to select the file.

If you select “All,” all files will be selected for copying.

8. Touch User Memory’s “File” ⬇⬆ to select the number.

Numbers for which a name is shown already contain a saved file.

If you select a number that already contains a file and execute this Copy operation, the previously saved file will be overwritten (erased). If you don’t want to lose the settings that are saved in the existing file, select a number that does not show a file name in the “File” column.

9. Touch < Execute >.

The file will be copied.

NOTE

- Never turn off the power and remove the USB memory while the screen indicates “Executing...”

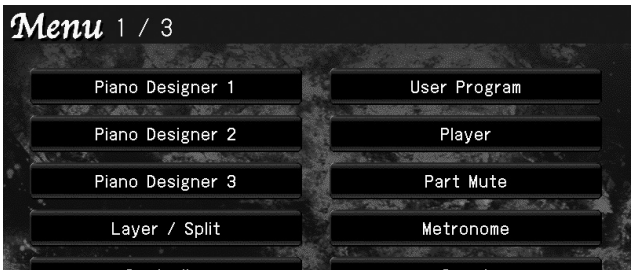
Deleting a Saved File

Here's how to delete a file that you've saved in external memory or user memory.

1. Connect your USB memory to the USER MEMORY connector or EXT MEMORY connector.

2. In the main menu, touch < Menu >.

The Menu screen appears.



* There are three menu screens. Touch ◀ ▶ to switch screens.

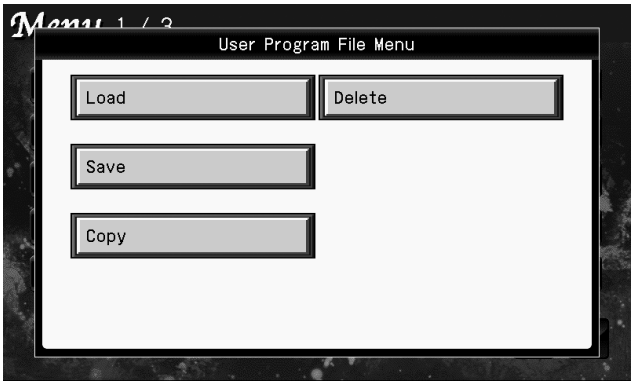
3. Touch < User Program >.

The "User Program" screen appears.

MEMO You can also access the "User Program" screen by holding down the [EXIT] button and pressing the [V-LINK] button.

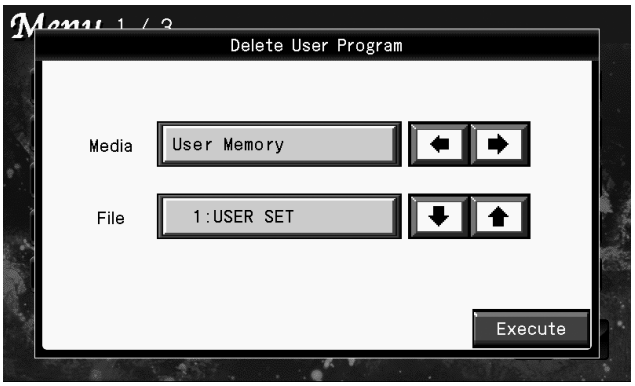
4. Touch < File >.

The "User Program File Menu" screen appears.



5. Touch < Delete >.

The “Delete User Program” screen appears.



6. Touch “Media” ◀ ▶ to select the media on which the file is stored.

User Memory	USB memory connected to the USER MEMORY connector
External Memory	USB memory connected to the EXT MEMORY connector

7. Touch “File” ▼ ▲ to select the file that you want to delete.

8. Touch <Execute>.

The file will be deleted.

NOTE

- Never turn off the power and remove the USB memory while the screen indicates “Executing...”

Using a Pedal to Switch the “User Program”

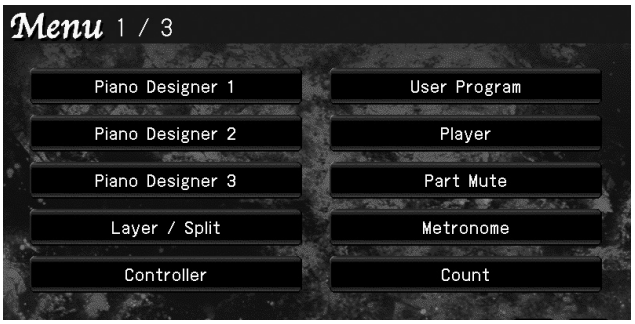
Sequential switching through the “User Programs” is a function that can be assigned to the left or center pedal of the piano pedal or pedal that is connected to the CONTROL PEDAL jack.

Once set this way, you can simply step on the pedal to cycle one-by-one through all the “User Programs,” like this: 1, 2, 3, ...8, 1.

The next press of the pedal after the 8th “User Program” has been called up takes you to the first User Program in the next User Program set.

1. In the main menu, touch < Menu >.

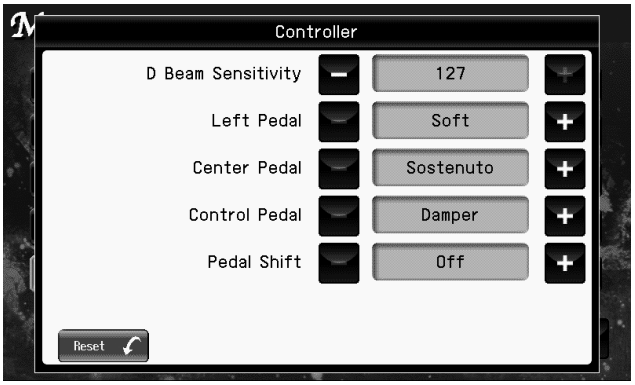
The Menu screen appears.



* There are three menu screens. Touch ◄ ► to switch screens.

2. Touch < Controller >.

A screen like the following appears.



3. Touch “Pedal Shift” − + to specify the pedal that will be used to switch the “User Program.”

Setting	Explanation
Left	The left pedal will function only to switch the “User Program.” The function otherwise assigned to the left pedal will be unavailable.
Center	The center pedal will function only to switch the “User Program.” The function otherwise assigned to the center pedal will be unavailable.
Control Pedal	The pedal connected to the CONTROL PEDAL jack will function only to switch the “User Program.”
Off	The pedals will not switch the “User Program.”

MEMO If you touch < Reset >, all settings (parameters) shown in the current screen will return to their factory-set values.

4. Press the [EXIT] button to complete the setting.

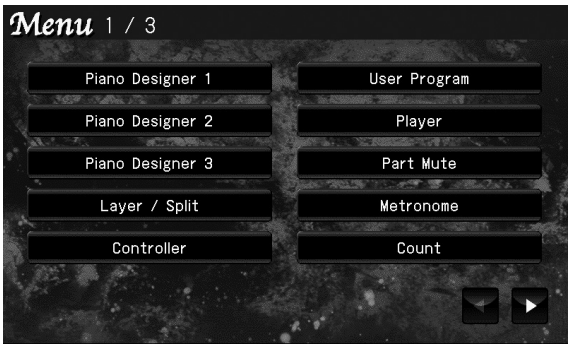
Controller Settings

1. Access the main screen.

* If the main screen is not shown, press the [EXIT] button until the main screen appears.

2. Touch < Menu >.

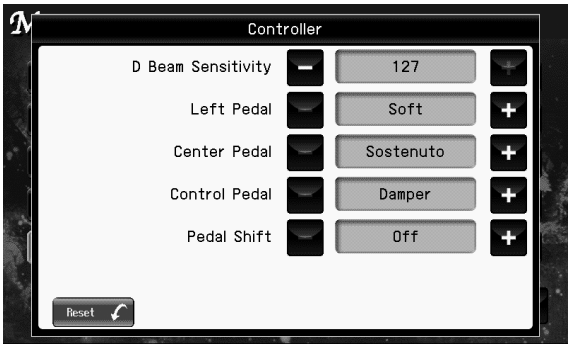
The Menu screen appears.



* There are three menu screens. Touch ◀ ▶ to switch screens.

3. Touch < Controller >.

The following screen appears.



4. To change the setting, touch − + for the item you want to specify.

MEMO

If you touch < Reset >, all settings (parameters) shown in the current screen will return to their factory-set values.

5. When you're finished making settings, press the [EXIT] button.

Adjusting the Sensitivity of the D Beam Controller (D Beam Sensitivity)

You can adjust the sensitivity of the D Beam controller.

The sensitivity of the D Beam controller can vary depending on the brightness of the surroundings. If it does not operate as you expect, please readjust the sensitivity.

Setting	Explanation
1–127	Increasing this setting will make the D Beam controller more responsive.

Assigning Functions to Pedals (Left Pedal/Center Pedal)

You can assign a variety of functions to the left and center pedals. You can call up the assigned functions just by pressing the corresponding pedal.

Setting/Explanation
Soft (left pedal only) The pedal functions as a soft pedal (p. 29).
Sostenuto (center pedal only) The pedal functions as a sostenuto pedal (p. 29).
Vocal Effect If the [INPUT] button is not lit, the vocal effect will be turned on/off. If the [INPUT] button is lit, the guitar effect will be turned on/off.
Play/Stop Starts and stops playback of the song.
Lower Damper When using Split performance (p. 64), the same effect as the damper pedal will be applied to the left-hand keyboard area.
Pedal EX If you have a Layer tone (p. 61) selected, the original tone is played whenever the pedal is not being pressed as you perform. When you perform while pressing the pedal, an layer tone is played together with the original tone. The volume of the layer tone is adjusted according to how much you press the pedal. Example: When "Piano + Choir1" are selected • Playing the keyboard without pressing the pedal Only the piano tone is played. • Playing the keyboard while pressing the pedal When the pedal is not pressed, only the piano tone is played, while the choir tone gradually comes in as the pedal is pressed. The volume of the choir1 tone is adjusted according to how much you press the pedal.

Setting/Explanation
Rotary Slow/Fast For an organ sound (p. 210) to which the rotary speaker effect is applied, the speaker rotation speed will switch (slow/fast) each time you press the pedal.
ANIME Control 1 When the ANIME effect is on, the movement of the graphics or text in the screen will change.
ANIME Control 2 This is a variation of ANIME Control 1.
ANIME Control 3 When ANIME effect is on, the color of the graphics or text shown in the screen will change.

Assigning Functions to Control Pedal (Control Pedal)

This setting determines the function of the pedal that is connected to the CONTROL PEDAL jack on the rear panel.

Setting/Explanation
Vocal Effect If the [INPUT] button is not lit, the vocal effect will be turned on/off. If the [INPUT] button is lit, the guitar effect will be turned on/off.
Expression The pedal functions as a expression pedal. You can connect an expression pedal (EV-5/7; sold separately) and use it to control the volume. You can add expression to your performance by varying the volume.
Play/Stop Starts and stops playback of the song.
Damper The pedal functions as a damper pedal (p. 29).
Lower Damper When using Split performance (p. 64), the same effect as the damper pedal will be applied to the left-hand keyboard area.
Pedal EX If you have a Layer tone (p. 61) selected, the original tone is played whenever the pedal is not being pressed as you perform. When you perform while pressing the pedal, an layer tone is played together with the original tone. The volume of the layer tone is adjusted according to how much you press the pedal.

Setting/Explanation
Example: When "Piano + Choir1" are selected • Playing the keyboard without pressing the pedal Only the piano tone is played. • Playing the keyboard while pressing the pedal When the pedal is not pressed, only the piano tone is played, while the choir tone gradually comes in as the pedal is pressed. The volume of the choir1 tone is adjusted according to how much you press the pedal.
Rotary Slow/Fast For an organ sound (p. 210) to which the rotary speaker effect is applied, the speaker rotation speed will switch (slow/fast) each time you press the pedal.
ANIME Control 1 When the ANIME effect is on, the movement of the graphics or text in the screen will change.
ANIME Control 2 This is a variation of ANIME Control 1.
ANIME Control 3 When ANIME effect is on, the color of the graphics or text shown in the screen will change.

NOTE

- Use only the specified expression pedal (EV-5/7; sold separately). By connecting any other expression pedals, you risk causing malfunction and/or damage to the unit.

Using a Pedal to Switch the "User Program"

Refer to p. 170.

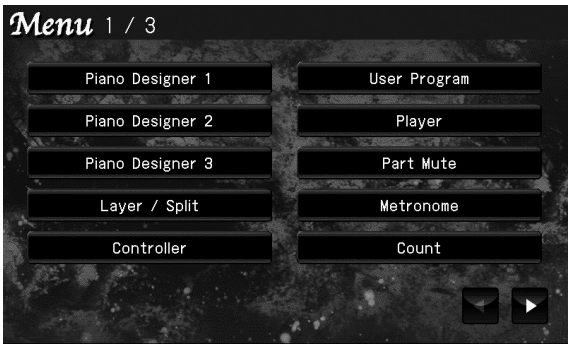
Player Settings

1. Access the main screen.

* If the main screen is not shown, press the [EXIT] button until the main screen appears.

2. Touch < Menu >.

The Menu screen appears.



* There are three menu screens. Touch ◀ ▶ to switch screens.

3. Touch < Player >.

The following screen appears.

4. To change the setting, touch − + for the item you want to specify.

MEMO

If you touch < Reset >, all settings (parameters) shown in the current screen will return to their factory-set values.

5. When you're finished making settings, press the [EXIT] button.

Continuous Playback (Play Mode)

Here you can specify how songs will play back.

Normally, when you select and play back a song, playback will stop when the selected song ends. The RK-300 also lets you play songs continuously.

Setting	Explanation
One Song	Only the selected song will play back. When the selected song plays to its end, playback will automatically stop.
All Song	Starting with the selected song, all songs in the selected location (p. 69) will play back in order. When the last song has ended, playback will resume from the first song in that location.
Random	The songs in the selected location will be played in random order.

NOTE

- When you press the [REC] button, the "Play Mode" setting will automatically be set to "One Song."
- You can't record while the "Player" setting screen is displayed.

Changing the Melody Channel (Melody Channel)

If the Guide function (p. 100, p. 112) fails to lower the volume of the song's melody, or if the Mute function (p. 99, p. 111) fails to mute the melody of the song, you should try changing this setting.

Setting
1–16

Playing Back at a Fixed Tempo (Tempo Mute)

Refer to p. 89.

Most commercially available SMF music files consists of sixteen channels (parts).

Each channel contains a separate performance; for example, channel 1 might contain strings and channel 2 bass, with the drums on channel 10. The song data consists of these sixteen channels of performances, played back simultaneously.

Channel 1	**Strings**
Channel 2	**Bass**
:	:
Channel 10	**Drums**
:	:
Channel 16	**Guitar**

Normally, when you play back Roland SMF music files (p. 216), the melody is assigned to channel 4.

However, some commercially available SMF music files assigns the melody channel to a different channel. In such cases, you'll need to change this setting to the channel that is used by your music files.

Adjusting the Volume of the Audio Signal (Audio Play Level)

This adjusts the playback volume of music CDs.

Setting
0–127

Adjusting the Audio Recording Level (Audio Recording Gain)

This adjusts the recording level for audio recording.

Setting
-24 dB–6 dB

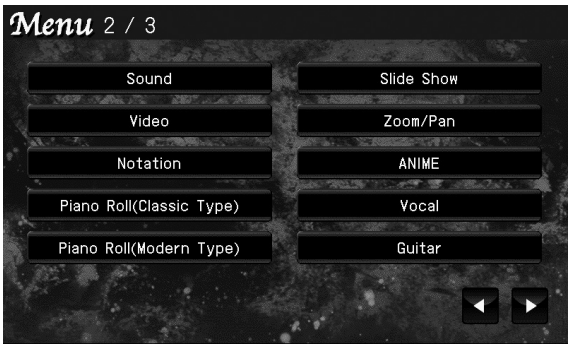
Video Settings

1. Access the main screen.

* If the main screen is not shown, press the [EXIT] button until the main screen appears.

2. Touch < Menu >.

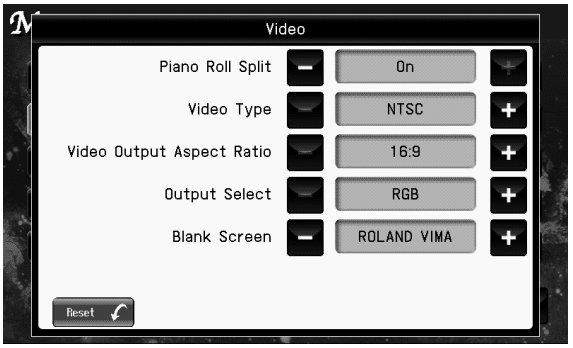
The Menu screen appears.



* There are three menu screens. Touch ◀ ▶ to switch screens.

3. Touch < Video >.

The following screen appears.



4. To change the setting, touch − + for the item you want to specify.

MEMO

If you touch < Reset >, all settings (parameters) shown in the current screen will return to their factory-set values.

5. When you're finished making settings, press the [EXIT] button.

Using the Keyboard to Switch the Display (Piano Roll Split)

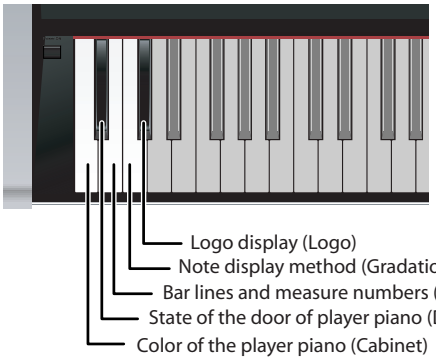
When the Piano Roll screen is shown, you can use the keyboard to switch the type of display.

NOTE

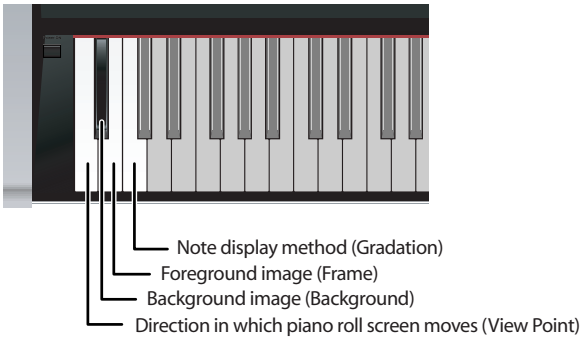
If you use the keyboard to switch the display, the lowest five keys will not produce sound.

Setting	Explanation
On	**When the piano roll (classic type) screen is displayed** You can use the five lowest notes of the keyboard to switch the type of display (p. 178). **When the piano roll (modern type) screen is displayed** You can use the four lowest notes of the keyboard to switch the type of display (p. 179).
Off	Playing the keyboard will not switch the display type. The lowest five notes of the keyboard will play sounds.

Piano Roll (Classic type)



Piano Roll (Modern type)



Specifying the Television Format (Video Type)

Set the RK-300s television format to match the television format of the television, video camera, or DVD player that is connected.

Change this setting if the image is not correctly shown on the television, or if the image from your video camera or DVD player is not displayed correctly.

Set this to the broadcast format used in your area.

Setting	Explanation
NTSC	NTSC is used in North America and a number of other countries including Japan.
PAL	PAL is used in many regions, including Europe and Asia.

Selecting the Aspect Ratio of the Video Output (Video Output Aspect Ratio)

This setting changes the proportional relationship between the vertical and horizontal dimensions of the image that is output from the RK-300 to the television or display connected to the OUTPUT jack.

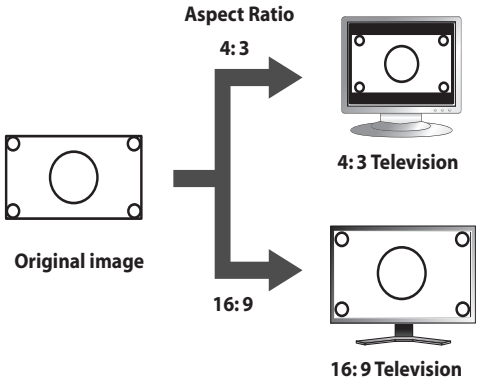
The RK-300's display screen has a horizontal/vertical ratio of 16:9. Televisions and displays have screen sizes with a horizontal/vertical ratio of 4:3 or 16:9 (wide screen).

NOTE

You can't change the aspect ratio of the image that is output from the ANALOG RGB OUTPUT connector to an external display or a television.

Setting	Explanation
16:9	Use this setting if the connected television or display has a screen aspect ratio of 16:9.
4:3	Use this setting if the connected television or display has a screen aspect ratio of 4:3.

◎ **Image is displayed correctly**



× **Image is distorted**

× **Image is not completely visible**

NOTE

- If the image is still not shown correctly even though you have adjusted the RK-300's aspect ratio to match the television or display you've connected, please change the settings of the connected television or display.

Selecting the Video Output Destination (Output Select)

Refer to p. 40.

Selecting the Screen That's Shown When the Video Output is Off (Blank Screen)

Here you can specify what will be shown on the external display/television/internal display when all of the [DVD]–[SLIDE SHOW] buttons are extinguished and the video output is off.

Setting	Explanation
Panel	The RK-300's display will show the same image as the television or display that is connected to the RK-300.
ROLAND VIMA, VIMA	"Roland VIMA" or "VIMA" will be displayed.
Black	Nothing will be displayed.

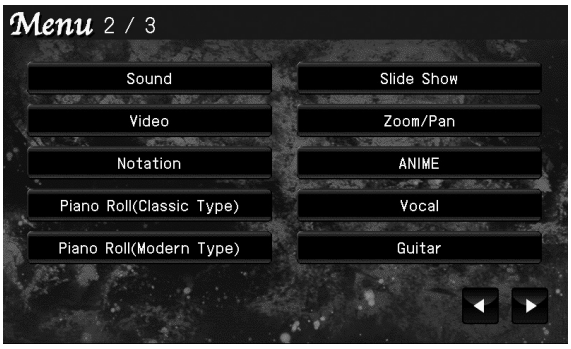
Notation Settings

1. Access the main screen.

* If the main screen is not shown, press the [EXIT] button until the main screen appears.

2. Touch < Menu >.

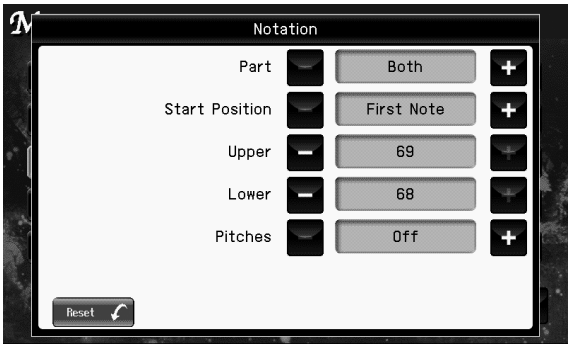
The Menu screen appears.



* There are three menu screens. Touch ◀ ▶ to switch screens.

3. Touch < Notation >.

The following screen appears.



4. To change the setting, touch − + for the item you want to specify.

MEMO

If you touch < Reset >, all settings (parameters) shown in the current screen will return to their factory-set values.

5. When you're finished making settings, press the [EXIT] button.

Selecting the Part for which Notation will be Shown (Part)

The RK-300 can display notation divided into the right-hand and left-hand parts. You can specify how the notation of the right-hand and left-hand parts will be displayed.

Setting	Explanation
Upper	The notation for only the right-hand part will be displayed.
Both	The notation for both the right-hand and left-hand parts will be displayed.

Specifying the Timing with which Notation Display is to Begin (Start Position)

This specifies the timing at which the notation will start to be displayed.

Setting	Explanation
First Note	The notation will be shown from the first note.
Song Top	The notation will be shown from the intro of the song.

Selecting the Part Displayed in the Right-hand Notation (Upper)

Setting
1–16

Selecting the Part Displayed in the Left-hand Notation (Lower)

Setting
1–16

Displaying Note Names in the Score (Pitches)

Setting	Explanation
Off	Note names will not be displayed.
C, D, E	Note names will be displayed as "C, D, E".
DoReMi (Fixed)	Note names will be displayed as "fixed do."
DoReMi (Movable)	Note names will be displayed as "movable do."

Classic Type Piano Roll Screen Settings

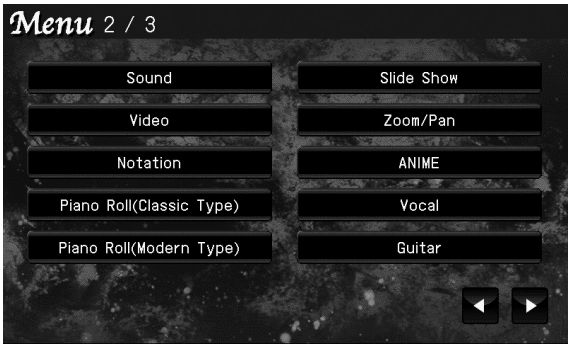
Here you can change the settings for how the classic type piano roll screen is displayed.

1. Access the main screen.

* If the main screen is not shown, press the [EXIT] button until the main screen appears.

2. Touch < Menu >.

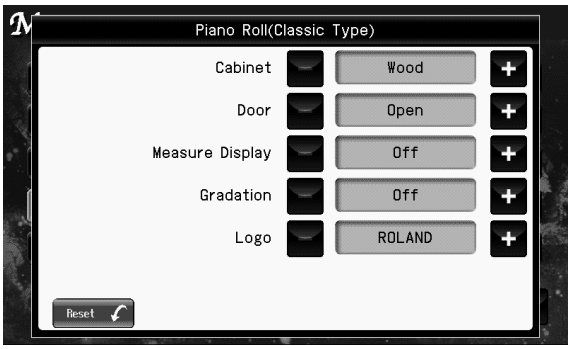
The Menu screen appears.



* There are three menu screens. Touch ◀ ▶ to switch screens.

3. Touch < Piano Roll (Classic Type) >.

The following screen appears.



4. To change the setting, touch − + for the item you want to specify.

MEMO

If you touch < Reset >, all settings (parameters) shown in the current screen will return to their factory-set values.

5. When you're finished making settings, press the [EXIT] button.

Specifying the Color of the Piano (Cabinet)

You can specify the cabinet color of the player piano shown in the classic type piano roll screen.

Setting	Explanation
Wood	A piano with a wood grain (brown) cabinet is shown in the screen.
Black	A piano with a black cabinet is shown in the screen.
White	A piano with a white cabinet is shown in the screen.

Specifying the State of the Door of the Player Piano (Door)

You can specify the state of the door of the player piano shown in the classic type piano roll screen.

Setting	Explanation
Open	The piano is shown with a completely open door.
Half Open	The piano is shown with a half-open door.
Closed	The piano is shown with a closed door.

Displaying Bar Lines and Measure Numbers (Measure Display)

You can specify whether bar lines and measure numbers will be shown in the classic type piano roll screen.

Setting	Explanation
On	Bar lines and measure numbers will be shown.
Off	Bar lines and measure numbers will not be shown.

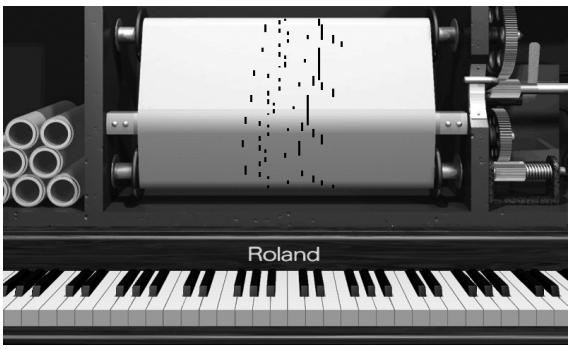
Specifying How Notes are Shown (Gradation)

This specifies the shape of the bars that indicate notes in the piano roll screen.

Setting	Explanation
On	The color of the note bars will gradually fade out.
Off	The note bars will retain their color over the full length of the note.

When gradation is on

When gradation is off



Specifying the Logo of the Piano (Logo)

You can specify the logo shown on the player piano in the classic type piano roll screen.

Setting
ROLAND, RODGERS, EDIROL, BOSS

Modern Type Piano Roll Screen Settings

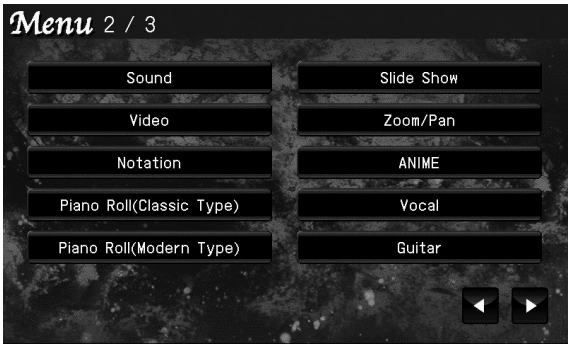
Here you can change the settings for how the modern type piano roll screen is displayed.

1. Access the main screen.

* If the main screen is not shown, press the [EXIT] button until the main screen appears.

2. Touch < Menu >.

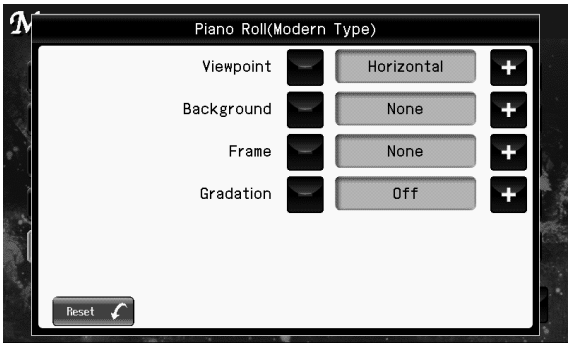
The Menu screen appears.



* There are three menu screens. Touch ◀ ▶ to switch screens.

3. Touch < Piano Roll (Modern Type) >.

The following screen appears.



4. To change the setting, touch − + for the item you want to specify.

MEMO

If you touch < Reset >, all settings (parameters) shown in the current screen will return to their factory-set values.

5. When you're finished making settings, press the [EXIT] button.

Specifying the Direction in which the Piano Roll Screen Moves (Viewpoint)

You can specify how the note bars will move when the modern type piano roll screen is shown.

Setting	Explanation
Horizontal	The note bars will move from right to left.
Vertical	The note bars will move from the foreground away to the background.

Selecting the Background Image (Background)

You can select the background image used when the modern type piano roll screen is displayed.

Setting
None, Music Score, Lightning, Castle, Space

Selecting the Foreground Image (Frame)

You can select the foreground image (frame) used when the modern type piano roll screen is displayed.

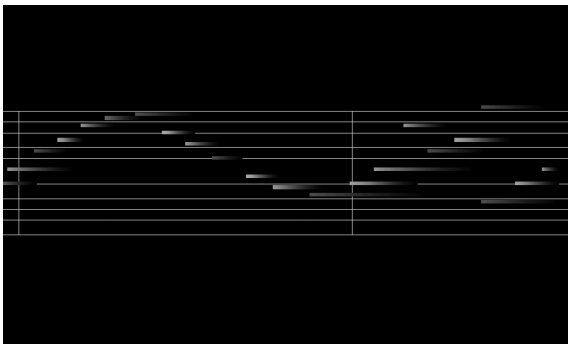
Setting
None, Picture Frame, Film Roll

Specifying How Notes are Shown (Gradation)

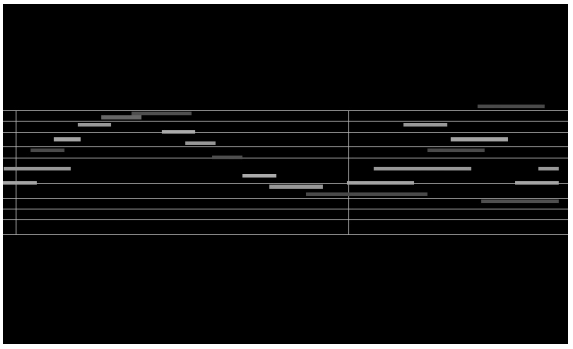
This specifies the shape of the bars that indicate notes in the piano roll screen.

Setting	Explanation
On	The color of the note bars will gradually fade out.
Off	The note bars will retain their color over the full length of the note.

When gradation is on



When gradation is off



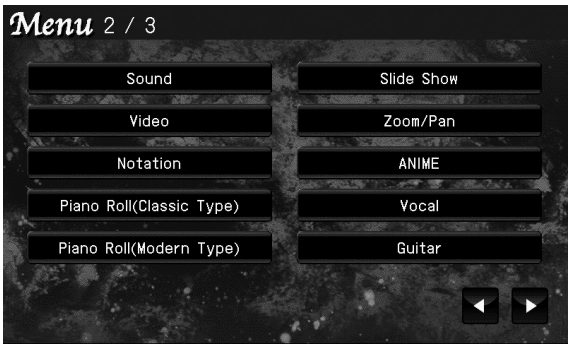
Slide Show Settings

1. Access the main screen.

* If the main screen is not shown, press the [EXIT] button until the main screen appears.

2. Touch < Menu >.

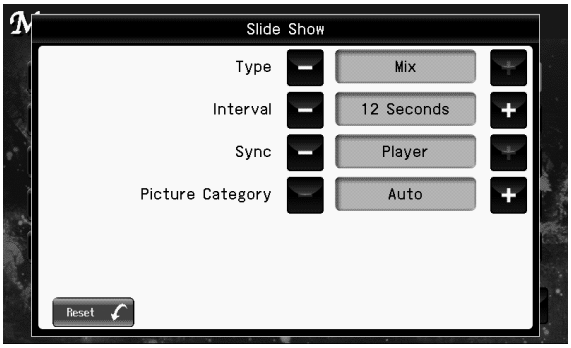
The Menu screen appears.



* There are three menu screens. Touch ◀ ▶ to switch screens.

3. Touch < Slide Show >.

The following screen appears.



4. To change the setting, touch − + for the item you want to specify.

MEMO

If you touch < Reset >, all settings (parameters) shown in the current screen will return to their factory-set values.

5. When you're finished making settings, press the [EXIT] button.

Selecting the Type of Slide Show (Type)

You can specify how transitions between images are to occur when you play back a slide show.

Setting	Explanation
Simple	One photo will simply fade-out while the next photo fades-in.
Block	The photo will be divided into blocks that change separately.
Pop	The photo will switch using rapid movement and color combination.
Mix	Simple, block, and pop types will be combined.

Selecting the Interval at which Images will Change (Interval)

You can specify the interval at which images will change when you play back a slide show.

Setting
5 Seconds, 8 Seconds, 12 Seconds, 4 Measures, 6 Measures, 8 Measures

NOTE

- If you play back a music CD or an audio/MP3 format song when this interval is set the images will change every eight seconds regardless of this setting. If you play back an internal song or SMF music files, the images will change at the number of measures you've specified.

Synchronizing the Slide Show and Song (Sync)

When playing back an internal song or a VIMA TUNES song (a CD-ROM produced specifically for VIMA), this setting specifies whether images will be switched in synchronization with the song playback.

Setting	Explanation
Off	The images will not be switched in synchronization with the song playback
Player	Images will be switched in synchronization with the song playback.

Selecting the Type of Photo Used for the Slide Show (Picture Category)

Refer to p. 115.

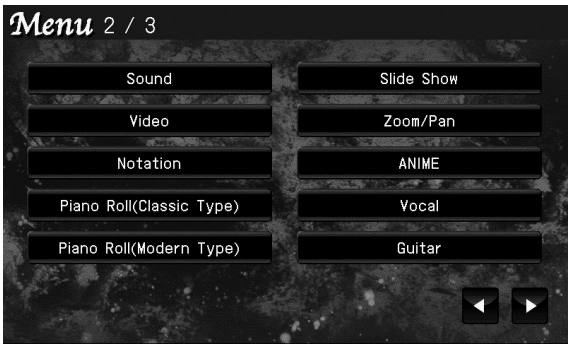
Vocal Settings

1. Access the main screen.

* If the main screen is not shown, press the [EXIT] button until the main screen appears.

2. Touch < Menu >.

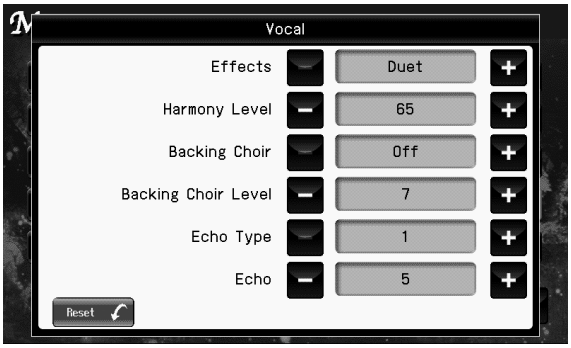
The Menu screen appears.



* There are three menu screens. Touch ◀ ▶ to switch screens.

3. Touch < Vocal >.

The following screen appears.



4. To change the setting, touch − + for the item you want to specify.

MEMO

If you touch < Reset >, all settings (parameters) shown in the current screen will return to their factory-set values.

5. When you're finished making settings, press the [EXIT] button.

Switching the Type of Vocal Effect (Effect)

Refer to "Applying an Effect to Your Voice (Vocal Effect)" (p. 104).

Adjusting the Volume of the Harmony (Harmony Level)

Refer to "Applying an Effect to Your Voice (Vocal Effect)" (p. 104).

Adding a Backing Chorus to the Harmony (Backing Choir)

This setting lets you add a backing chorus to the harmony when you've selected "Duet," "Trio," or "Quartet."

Setting	Explanation
Off	A backing chorus will not be added.
Gregorian, Gospel, Classical Choir, Boys choir	

Adjusting the Volume of the Backing Choir (Backing Choir Level)

Setting
1–10

Selecting the Type of Mic Echo (Echo Type)

Setting	Explanation
1	A beautiful reverberation will be added.
2	A karaoke-type echo will be added.

Adjusting the Mic Echo (Echo)

Here's how to adjust the depth of the microphone echo when Mic Echo is on.

Setting	Explanation
1–10	Higher values produce a greater amount of echo.

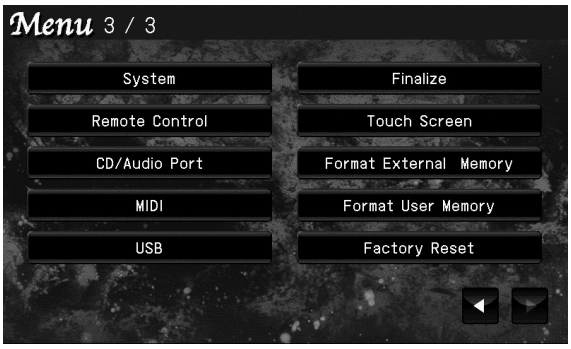
System Settings

1. Access the main screen.

* If the main screen is not shown, press the [EXIT] button until the main screen appears.

2. Touch < Menu >.

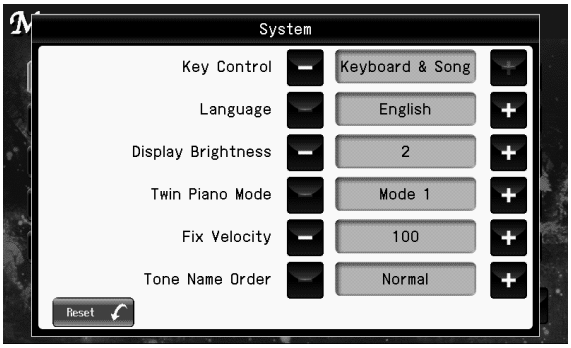
The Menu screen appears.



* There are three menu screens. Touch ◀ ▶ to switch screens.

3. Touch < System >.

The following screen appears.



4. To change the setting, touch − + for the item you want to specify.

MEMO

If you touch < Reset >, all settings (parameters) shown in the current screen will return to their factory-set values.

5. When you're finished making settings, press the [EXIT] button.

Specifying What the Key Control Buttons will Affect (Key Control)

This setting specifies what the key control buttons will affect.

You can use the key control buttons to change the pitch of both the song and the keyboard, the pitch of only the song, or the pitch of only the keyboard.

→ KEY CONTROL (p. 109)

Setting	Target
Keyboard	Keyboard notes
Song	Song playback
Keyboard & Song	Keyboard notes and song playback

Changing the Language Displayed in the Screen (Language)

You can change the language that is displayed in the screen.

Setting
English, French, German, Japanese, Spanish

Adjusting the Brightness of the Display (Display Brightness)

Refer to "Adjusting the Brightness of the Screen" (p. 37).

Changing the Way in Which the Sound is Heard (Twin Piano Mode)

Here you can specify how the sound will be produced when using Twin Piano mode.

Setting	Explanation
Mode 1	As usual, the sound will be heard from the right as you play toward the right of the keyboard, and from the left as you play toward the left.
Mode 2	Notes played in the right area will be heard from the right speaker, and notes played in the left area will be heard from the left speaker.

NOTE

- If you set Twin Piano mode to "Mode 2," reverb will no longer be applied when you turn on Twin Piano mode.

Changing the Velocity When the Key Touch is Set to “Fixed” (Fix Velocity)

This sets the velocity the sound will have when the keyboard touch (p. 53) is set to “Fixed.”

If you turn the keyboard’s touch sensitivity “Fixed,” all notes will sound at a fixed loudness regardless of how strongly you play the keyboard. The setting described below specifies the loudness in this case.

Setting	Explanation
1–127	Increasing this value will increase the volume of your keyboard playing.

Changing the Display Order of the Sound List (Tone Name Order)

NOTE

Sounds for layered or split performance cannot be viewed in alphabetical order.

Setting	Explanation
Normal	Sound names are displayed in the normal order.
Alphabetical	Sound names are displayed in alphabetical order.

Remote Control Settings

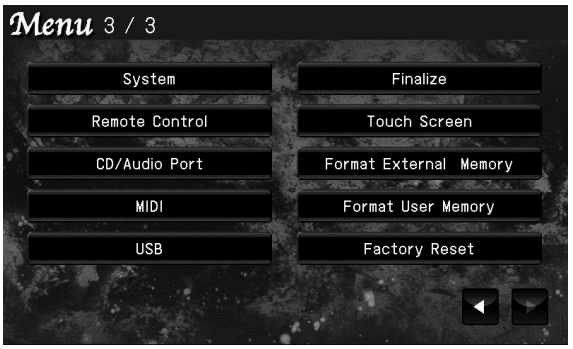
1. Access the main screen.

* If the main screen is not shown, press the [EXIT] button until the main screen appears.

2. Touch < Menu >.

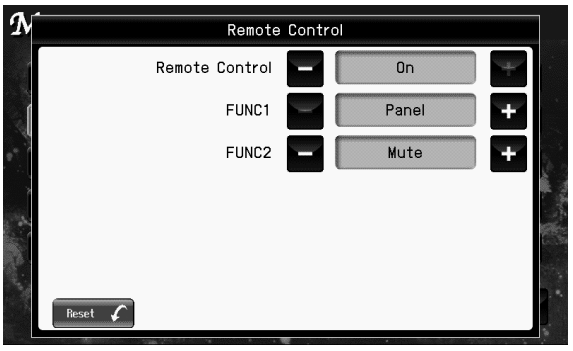
The Menu screen appears.

* There are three menu screens. Touch ◀ ▶ to switch screens.



3. Touch < Remote Control >.

The following screen appears.



4. To change the setting, touch − + for the item you want to specify.

MEMO

If you touch < Reset >, all settings (parameters) shown in the current screen will return to their factory-set values.

5. When you’re finished making settings, press the [EXIT] button.

Disabling the Remote Control Unit (Remote Control)

You can disable the remote control function so that the included remote control unit will not operate the RK-300.

This lets you eliminate the possibility that a remote button might be accidentally pressed, changing the RK-300's settings unintentionally.

Setting	Explanation
On	The remote control unit will operate the RK-300.
Off	The remote control unit will be disabled.

Assigning Functions to the Remote's Buttons (FUNC 1, FUNC2)

These let you change the functions that are assigned to the remote control's [FUNC 1] button and [FUNC2] button.

Setting	Explanation
Panel	When the [DVD]–[SLIDE SHOW] buttons are all extinguished, and video output is off, the RK-300's display will show the same image as the television or display that is connected to the RK-300.
Mute	Mutes the sound of the melody channel, or minimizes the vocal sounds of a music CD. → Mute/center Cancel function (p. 99, p. 110, p. 111)
Guide	Lowers the volume of the melody channel (p. 173). → Guide function (p. 100, p. 112)
Lyrics	Switches display of lyrics on (displayed) or off (hidden) (p. 103).
Vocal Effects	When the [INPUT] button is extinguished, switches the vocal effect on/off. When the [INPUT] button is lit, switches the guitar effect on/off.
ANIME	Switches the ANIME effect on/off.

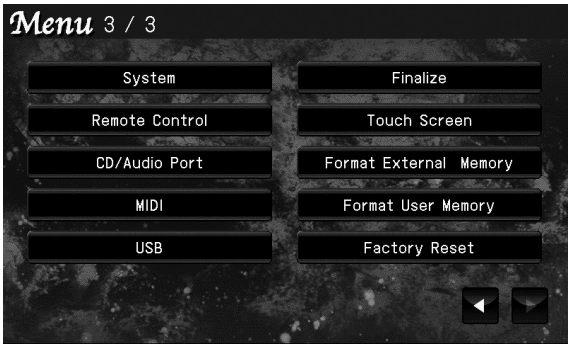
CD and AUDIO/VIDEO PORT Settings

1. Access the main screen.

* If the main screen is not shown, press the [EXIT] button until the main screen appears.

2. Touch < Menu >.

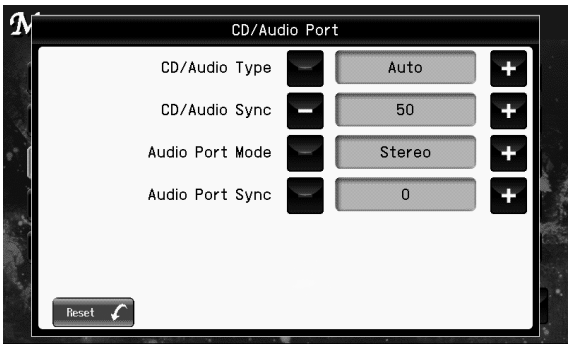
The Menu screen appears.



* There are three menu screens. Touch ◀ ▶ to switch screens.

3. Touch < CD/AUDIO PORT >.

The following screen appears.



4. To change the setting, touch − + for the item you want to specify.

MEMO

If you touch < Reset >, all settings (parameters) shown in the current screen will return to their factory-set values.

5. When you're finished making settings, press the [EXIT] button.

Setting the Type of CD to be Played Back (CD/Audio Type)

The RK-300 may be unable to correctly recognize the type of CD being used. In such instances, you can specify the type of CD manually.

Setting	Explanation
Auto	The CD type is detected automatically.
Type A	General CDs for Player Piano contain audio and MIDI data, and the data format may vary from one CD to the next. If the CD's data format does not match the RK-300's settings, a "beep" will sound. Certain general Automatic Piano CDs may not be playable on the RK-300.
Type B	
Stereo	Commercial Music CD (CDs other than those designed for use with the player piano)

NOTE

- Note that some commercial player piano CDs cannot be played back on the RK-300.

Synchronizing the Timing of the Piano and Accompaniment (CD/Audio Sync)

With certain CDs designed to be used with the player function, the timing of the piano and accompaniment sounds may not be synchronized. However, you can synchronize the piano and accompaniment.

Setting	Explanation
0–100	The piano sound is delayed more as the value is increased.

Specifying the Type of Signal at the AUDIO/VIDEO PORT (Audio Port Mode)

When you've connected a CD player to the Roland AUDIO/VIDEO PORT jacks and are playing back a CD, use this setting to specify the type of CD.

Setting	Explanation
Auto	The CD type is detected automatically.
Type A	General CDs for Player Piano contain audio and MIDI data, and the data format may vary from one CD to the next. If the CD's data format does not match the RK-300's settings, a "beep" will sound. Certain general Automatic Piano CDs may not be playable on the RK-300.
Type B	
Stereo	Commercial Music CD (CDs other than those designed for use with the player piano)

Synchronizing the Timing of the Signals from the Piano and the AUDIO/VIDEO PORT (Audio Port Sync)

When you've connected a CD player to the Roland AUDIO/VIDEO PORT jacks and are playing back a CD, use this setting to synchronize the timing of the piano sound and the CD sound.

Setting	Explanation
0–100	The piano sound is delayed more as the value is increased.

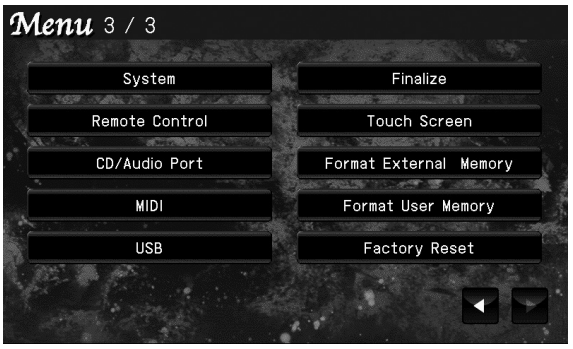
MIDI Settings

1. Access the main screen.

* If the main screen is not shown, press the [EXIT] button until the main screen appears.

2. Touch < Menu >.

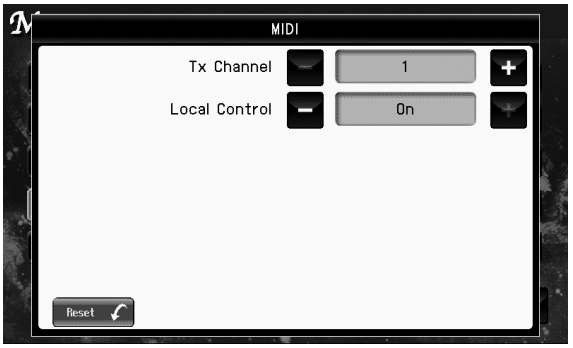
The Menu screen appears.



* There are three menu screens. Touch ◀ ▶ to switch screens.

3. Touch < MIDI >.

The following screen appears.



4. To change the setting, touch − + for the item you want to specify.

MEMO

If you touch < Reset >, all settings (parameters) shown in the current screen will return to their factory-set values.

5. When you're finished making settings, press the [EXIT] button.

Changing the MIDI Transmit Channel (Tx Channel)

This setting specifies the MIDI channel on which the RK-300 will transmit.

MIDI uses sixteen "MIDI channels," which are numbered 1 through 16. By connecting MIDI devices and specifying the appropriate MIDI channel for each device, you can play or select sounds on those devices.

The RK-300 will receive all sixteen channels (1–16).

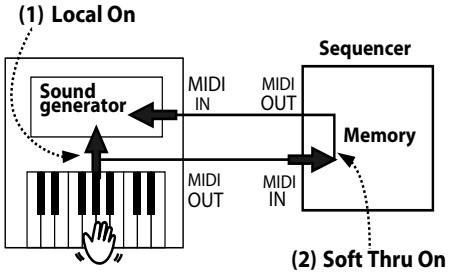
Setting
1–16

MEMO

- For details on connecting MIDI devices, refer to "Connecting MIDI Equipment" (p. 198).

Disconnecting the Internal Sound Generator and Keyboard (Local Control)

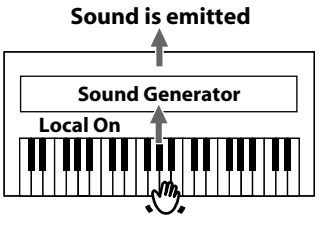
When you have a MIDI sequencer connected, set this parameter to Local Off. Most conventional sequencers have the Thru function set to On, so as seen in the figure, when information describing what has been played on the keyboard (1) arrives at the sound generator via two separate routes (2), notes could be sounded twice or sometimes get cut off. To prevent this, the setting called "Local Off" is used to disconnect the route in (1).



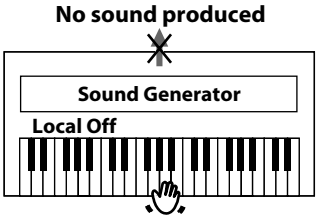
Each note played is sounded twice

Local On:

The keyboard and the internal sound generator are in a linked state.



Local Off:
The keyboard and the internal sound generator are in an unlinked state. No sound will be produced by the keyboard when it is played.



MEMO

When a Roland MT series instrument is connected, it is not necessary to make the Local Off setting. The MT transmits a Local Off message when the power is turned on. If you turn on the power in the order of the VIMA → MT series, Local Off will be set automatically.

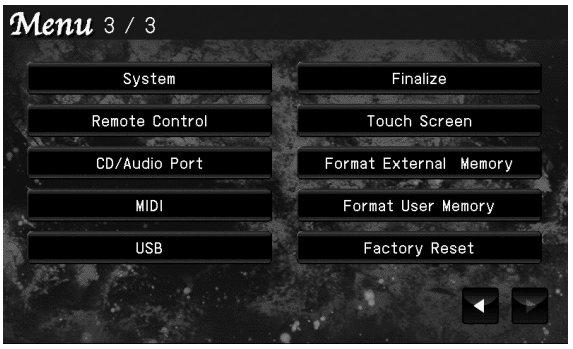
Setting	Explanation
On	The Local Control is set to On. The keyboard and internal sound generator are connected.
Off	The Local Control is set to Off. The keyboard and internal sound generator are disconnected. Playing the keyboard will not produce sound.

USB Settings

1. Access the main screen.

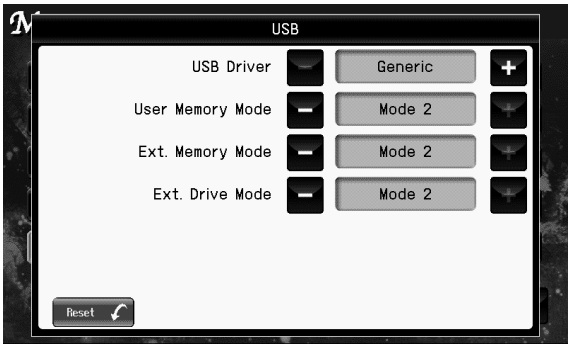
* If the main screen is not shown, press the [EXIT] button until the main screen appears.

2. Touch < Menu >.
The Menu screen appears.



* There are three menu screens. Touch ◀ ▶ to switch screens.

3. Touch < USB >.
The following screen appears.



4. To change the setting, touch − + for the item you want to specify.

MEMO

If you touch < Reset >, all settings (parameters) shown in the current screen will return to their factory-set values.

5. When you're finished making settings, press the [EXIT] button.

6. Turn the RK-300's volume to the minimum setting. Next, switch off the power, then turn it on again.

Changing the USB Driver Settings (USB Driver)

Normally, you don't need to install a driver in order to connect the RK-300 to your computer via the USB MIDI connector. However, if some problem occurs, or if the performance is poor, using the original Roland driver may solve the problem. If you do so, make the following setting to specify the USB driver you intend to use before you install the driver.

Setting	Explanation
Generic	Choose this if you want to use the standard USB driver that was included with your computer. Normally, you should use this mode.
Original	Choose this if you want to use a USB driver downloaded from the Roland website.

Changing the Communication Settings for User Memory (User Memory Mode)

In some cases, when USB memory is connected to the USER MEMORY connector, it may take longer for data to be loaded, or data may fail to be loaded successfully.

If this happens, changing the communication settings for the USB memory may help.

* Changing the settings is normally not required.

Setting
Mode 1, Mode 2

Changing the Communication Settings for External Memory (Ext. Memory Mode)

In some cases, when USB memory is connected to the EXT MEMORY connector, it may take longer for data to be loaded, or data may fail to be loaded successfully.

If this happens, changing the communication settings for the USB memory may help.

* Changing the settings is normally not required.

Setting
Mode 1, Mode 2

Changing the Communication Settings for External Drive (Ext. Drive Mode)

In some cases, when CD drive is connected to the EXT DRIVE connector, it may take longer for data to be loaded, or data may fail to be loaded successfully.

If this happens, changing the communication settings for the CD drive may help.

* Changing the settings is normally not required.

Setting
Mode 1, Mode 2

Other Settings

Preparing a CD-R Disc for Playback on Another CD Player (Finalize)

After you've written the desired songs to a CD-R, you'll need to perform the following "Finalize" operation so that the CD can be played by a conventional CD player as a music CD.

What's finalization?

Finalization is the process of writing final information (the number of songs, the song numbers, the playback times, etc.) to a CD-R disc. When you "finalize" a CD-R disc that was recorded or written by the RK-300, that disc will be playable as a music CD in another CD player.

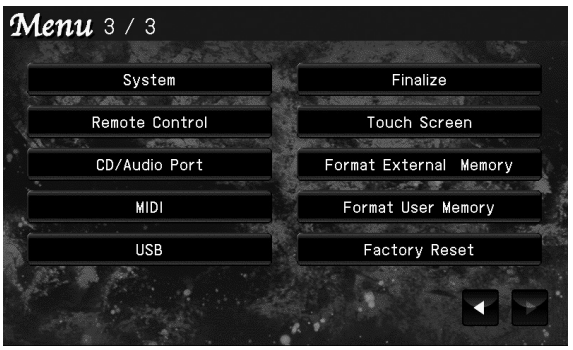
* After finalization, it will no longer be possible to record or write additional material to that disc. You should finalize the disc when you have completed your music CD and don't need to write or record any more data.

1. Access the main screen.

* If the main screen is not shown, press the [EXIT] button until the main screen appears.

2. Touch < Menu >.

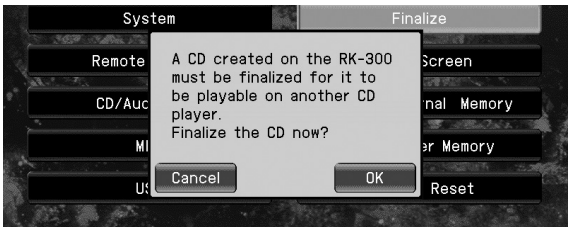
The Menu screen appears.



* There are three menu screens. Touch ◀ ▶ to switch screens.

3. Touch < Finalize >.

A screen like the following appears.



OK	When writing is finished, the disc will be finalized to complete the music CD. No further data can be written to a CD-R disc that has been finalized, even if space remains on the disc.
Cancel	The disc will not be finalized when writing is finished. After the tracks have been written, you will still be able to add more tracks if space remains on the disc.

4. Touch < OK >.

Finalization will begin, and when it is completed you will return to the menu screen.

NOTE

- Never turn off the power while the display indicates "Now executing..."

NOTE

- We cannot guarantee that a music CD created on the RK-300 will play on all CD players. Depending on your CD player's support for CD-R discs, music CDs you create may not play correctly.

Calibrating the Touch Screen (Touch Screen)

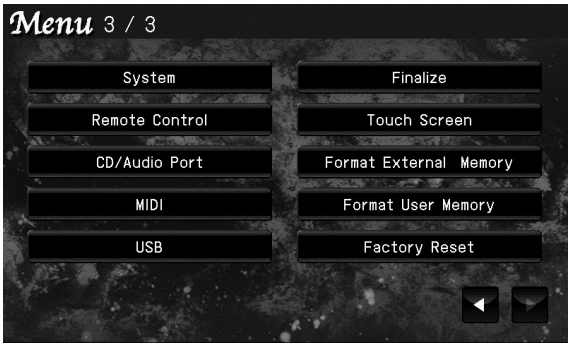
The point detected by the touch screen may drift as you use the RK-300 for an extended time. If you notice such a drift, you can correct it by calibrating the touch screen as follows.

1. Access the main screen.

* If the main screen is not shown, press the [EXIT] button until the main screen appears.

2. Touch < Menu >.

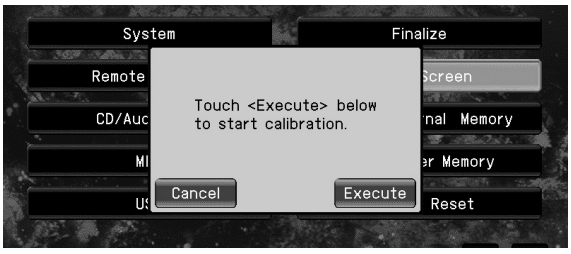
The Menu screen appears.



* There are three menu screens. Touch ◀ ▶ to switch screens.

3. Touch < Touch Screen >.

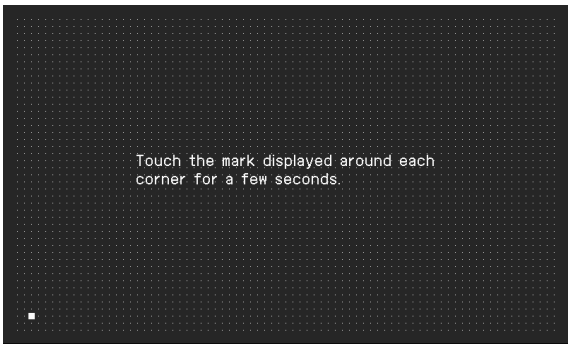
A screen like the following appears.



* If you decide to cancel the touch panel position adjustment, touch <Cancel>.

4. Touch < Execute >.

5. A point will be indicated. Touch this point.



NOTE

- If you touch a point other than the indicated one, the drift may become extremely severe. Be sure to touch the correct point.

Initializing External Memory (Format External Memory)

You can initialize (format) USB memory that's connected to the EXT MEMORY connector. If you want to erase the entire contents of USB memory and return it to the condition in which you purchased it, execute the following procedure.

NOTE

This operation will not initialize any settings other than the contents of USB memory. If you want to return settings other than the contents of USB memory to the factory-set state, please execute Factory Reset (p. 194) and Initializing User Memory (p. 193).

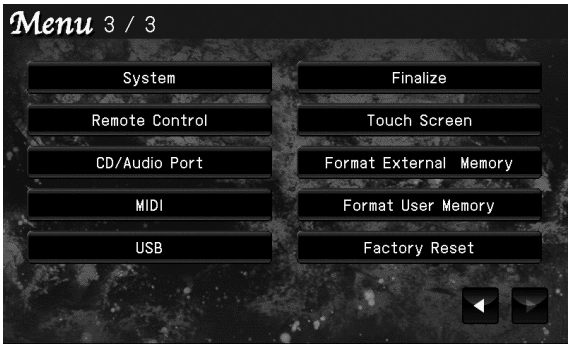
1. Connect your USB memory to the EXT MEMORY connector (p. 36).

2. Access the main screen.

* If the main screen is not shown, press the [EXIT] button until the main screen appears.

3. Touch < Menu >.

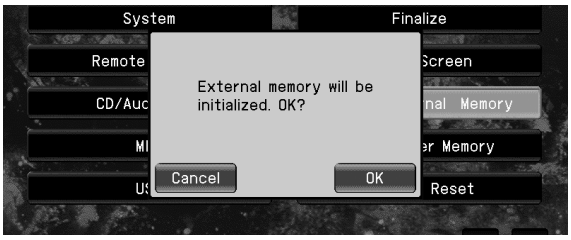
The Menu screen appears.



* There are three menu screens. Touch ◀ ▶ to switch screens.

4. Touch < Format External Memory >.

A message asking for confirmation appears in the screen.



* By touching <Cancel> you can return to the previous screen without changing the settings.

5. Touch < OK >.

Initialization will begin.

The entire contents of USB memory will be erased.

NOTE

- Never turn off the power while the screen indicates "Initializing..."

MEMO

- If the screen indicates "Error," refer to the "Error Messages" (p. 209).

Initializing User Memory (Format User Memory)

User memory contains songs you've saved to "Favorites" (p. 80) and files containing "User Programs" (p. 157).

You'll need to execute the following procedure before using USB memory when you want to completely erase the contents of user memory to restore it to the factory-set condition.

NOTE

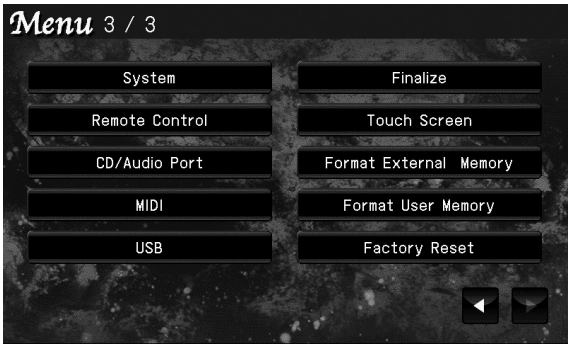
This operation will not initialize any settings other than the contents of user memory. If you want to return settings other than user memory to the factory-set state, please execute Factory Reset (p. 194) and Initializing External Memory (p. 192).

1. Access the main screen.

* If the main screen is not shown, press the [EXIT] button until the main screen appears.

2. Touch < Menu >.

The Menu screen appears.



* There are three menu screens. Touch ◀ ▶ to switch screens.

3. Touch < Format User Memory >.

A message asking for confirmation appears in the screen.

* By touching <Cancel> you can return to the previous screen without changing the settings.

4. Touch < OK>.

Initialization will begin.

The entire contents of user memory will be erased.

NOTE

- Never turn off the power while the screen indicates "Initializing..."

MEMO

- If the screen indicates "Error," refer to the "Error Messages" (p. 209).

Restoring the Factory-Set Condition (Factory Reset)

You can restore the settings you've changed on the RK-300 to their factory-set condition. This operation is called "Factory Reset."

NOTE

When you perform a Factory Reset, all the settings you have stored will be erased, and the RK-300 will return to the factory-set condition.

NOTE

This operation will not restore the contents of user memory to the factory-set condition.

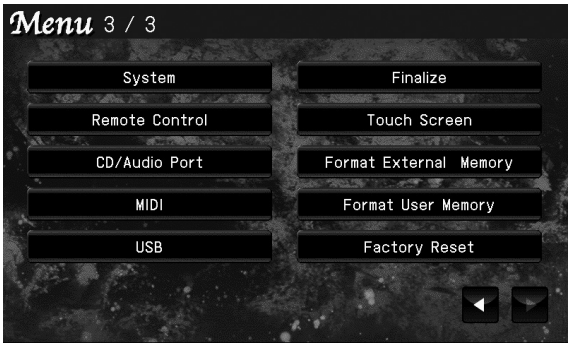
Refer to "Initializing User Memory (Format User Memory)" (p. 193).

1. Access the main screen.

* If the main screen is not shown, press the [EXIT] button until the main screen appears.

2. Touch < Menu >.

The Menu screen appears.



* There are three menu screens. Touch ◀ ▶ to switch screens.

3. Touch < Factory Reset >.

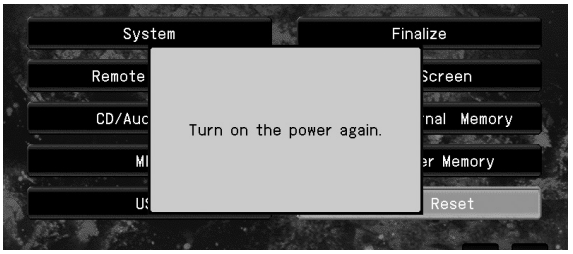
A message asking for confirmation appears in the screen.

* By touching <Cancel> you can return to the previous screen without changing the settings.

4. Touch < OK > in the screen to execute the Factory Reset.

The factory reset will be executed.

5. When the Factory Reset has been completed, switch off the RK-300s power, then turn it back on again.



NOTE

- Never turn off the power while the screen indicates "Executing..."

Locking the Panel at the Current Settings (Panel Lock)

The "Panel Lock" setting disables the following operations. This will prevent the current settings from being changed unintentionally.

- Button operations
- Touch panel operations
- Remote control operations

* Operations of the knobs and pedals (the piano pedal and pedal connected to the CONTROL PEDAL jack) will remain enabled.

To lock the panel

1. Hold down the [INPUT] button and press the [GUIDE] button.

The Panel Lock function will be enabled.

* If you press these buttons while a song is being played or recorded, playback or recording will stop.

You will still be able to perform by playing the keyboard.

While the Panel Lock function is active, the screen will show the following.

To unlock the panel

1. Once again, hold down the [INPUT] button and press the [GUIDE] button.

Connecting Other Equipment

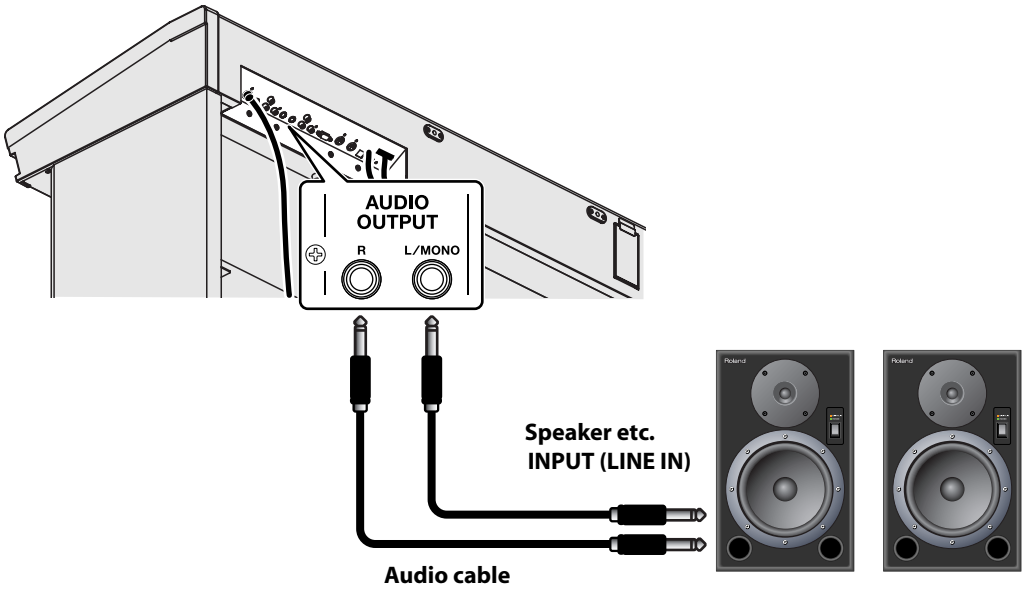
Connecting Audio Equipment

By connecting the RK-300 to your audio equipment or external speakers, you can play the RK-300's sounds from your stereo system's speakers or from other external speakers, or record your performance on an tape recorder or other recording device.

NOTE

- If you use a connection cable that has a built-in resistor, the volume of the device connected to the input jack may be low. Please use connection cables that do not contain a resistor.
- Before connecting the RK-300 to other devices, you must turn down the volume of all devices and turn off their power to prevent malfunctions or speaker damage.

Playing the RK-300 through Connected Speakers

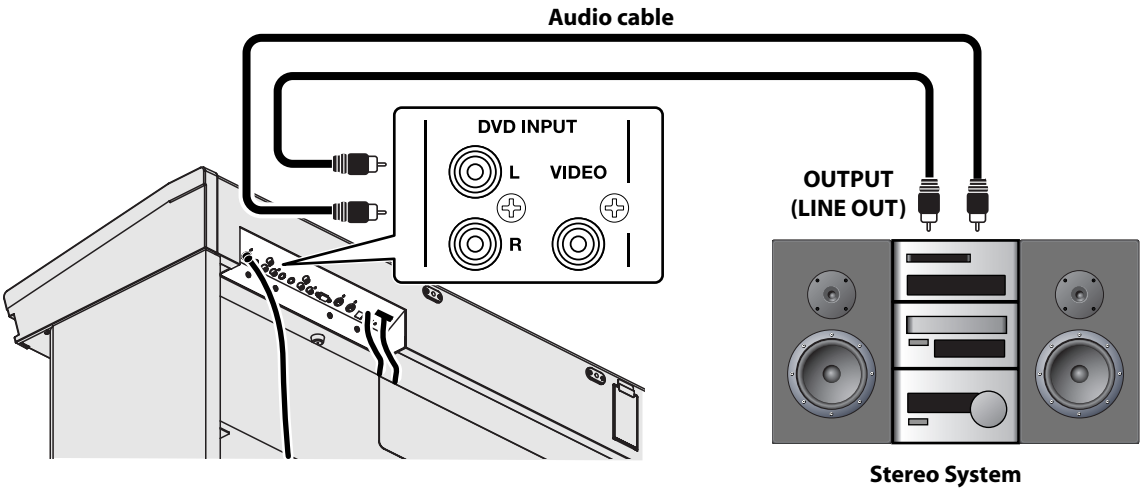


1. **Minimize the volume of the RK-300 and of the speakers you are connecting.**
2. **Switch off power to the RK-300 and the speakers you are connecting.**
3. **Make connections using separately available audio cables.**
4. **Switch on the RK-300's power.**
5. **Switch on power to the connected speakers.**
6. **Adjust the volume of the RK-300 and the connected speakers.**
   Play the RK-300's keyboard, and sound will be produced from the connected speakers (or stereo set).

Turning the Power Off

1. **Minimize the volume of the RK-300 and of the connected speakers.**
2. **Switch off power to your speakers.**
3. **Switch off power to the RK-300.**

Playing the Sound of an Audio Device through the RK-300



1. **Minimize the volume of the RK-300 and of the audio device you are connecting.**
2. **Switch off power to the RK-300 and the audio device you are connecting.**
3. **Make connections using commercially available audio cables.**
4. **Switch on power to the audio device.**
5. **Switch on the RK-300's power.**
6. **Adjust the volume of the RK-300 and the connected audio device.**

Turning the Power Off

1. **Minimize the volume of the RK-300 and of the connected audio device.**
2. **Switch off power to the RK-300.**
3. **Switch off power to the connected audio device.**

Connecting MIDI Equipment

Performance data can be exchanged between the RK-300 and external MIDI equipment, allowing them to control each other. For example, you can play one device from the keyboard of another device, or switch sounds remotely.

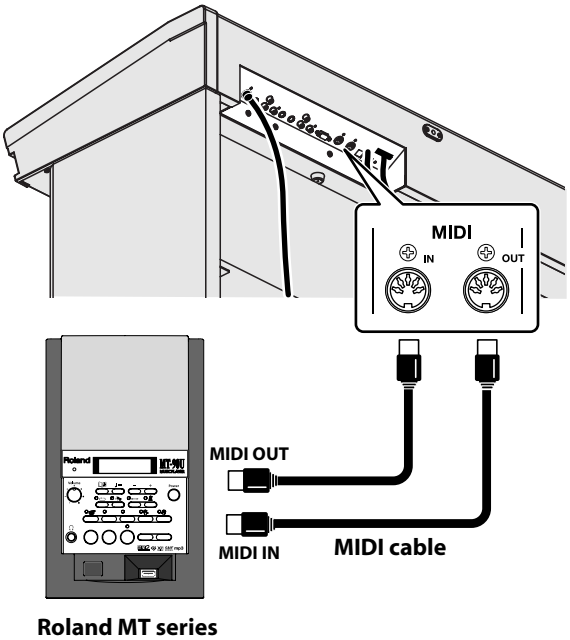
What's MIDI?

"MIDI" stands for "Musical Instrument Digital Interface." It is a universal standard that allows performance data to be exchanged among electronic musical instruments and computers.

The RK-300 provides MIDI connectors so that performance data can be transferred between it and other devices. By using these connectors to connect other devices with the RK-300, you can take advantage of a wide range of possibilities.

* Before connecting the RK-300 to other devices, you must turn down the volume of all devices and turn off their power to prevent malfunctions or speaker damage.

Using a MIDI Sequencer to Play the RK-300

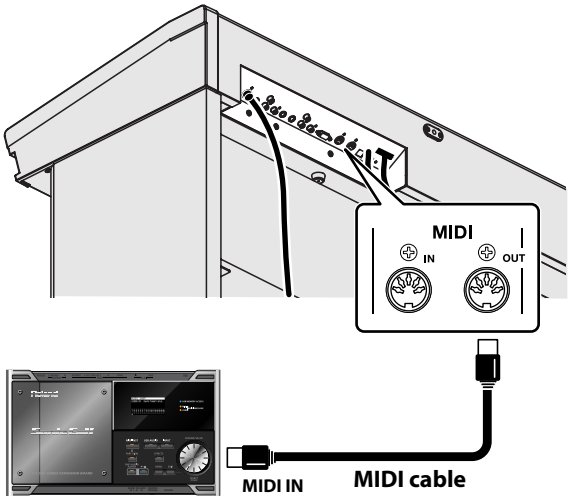


Roland MT series

NOTE

- When the RK-300 is connected to a MIDI sequencer, set it to "Local Off." Refer to "Disconnecting the Internal Sound Generator and Keyboard (Local Control)" (p. 187).

Playing a MIDI Sound Module from the RK-300



MIDI Sound Module

Making Connections

1. **Minimize the volume of the RK-300 and of the MIDI equipment you are connecting.**
2. **Switch off power to the RK-300 and the MIDI equipment you are connecting.**
3. **Use MIDI cables (commercially available) to connect the MIDI connectors to the connectors of the other equipment (refer to the figure).**
4. **Switch on power to the RK-300 and the connected MIDI equipment.**
5. **Adjust the volume of the RK-300 and the connected MIDI equipment.**
6. **If necessary, make MIDI settings.**

MEMO

- For details on MIDI settings, refer to ""Changing the MIDI Transmit Channel (Tx Channel)" (p. 187).

NOTE

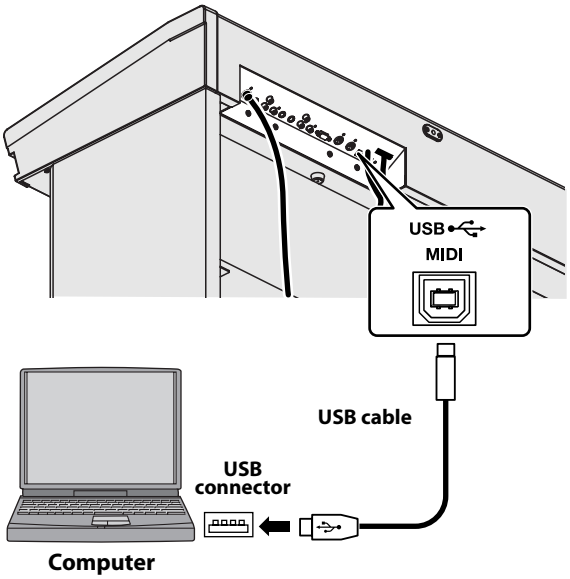
- No data for the demo song and internal song that is played will be output from MIDI OUT.

Connecting Your Computer

If you use a USB cable (commercially available) to connect the USB MIDI connector located on the RK-300's rear bottom panel to the USB connector of your computer, you'll be able to do the following things.

- Use the RK-300 to play SMF music files played back by MIDI-compatible software (such as Media Player).
- By transferring MIDI data between the RK-300 and your sequencer software, you'll be able to enjoy a wide range of possibilities for music production and editing.

Connect the RK-300 to your computer as shown below.



NOTE

- To avoid the risk of malfunction and/or speaker damage, always make sure to turn the volume all the way down and turn off the power on all equipment before you make any connections.
- Only MIDI data can be transmitted and received via USB. Data for a song recorded on the RK-300 cannot be transmitted or received.
- A USB cable is not included. If you need to obtain one, ask the dealer where you purchased the RK-300.
- Switch on power to the RK-300 before you start up the MIDI application on your computer. Don't turn the RK-300's power on/off while your MIDI application is running.

Refer to the Roland website for system requirements. However, please be aware that the RK-300 does not support Mac OS 9.
Roland website: http://www.roland.com/

If connection to your computer is unsuccessful...

Normally, you don't need to install a driver in order to connect the RK-300 to your computer. However, if some problem occurs, or if the performance is poor, using the Roland original driver may solve the problem.

For details on downloading and installing the Roland original driver, refer to the Roland website.

Roland website: http://www.roland.com/

Specify the USB driver you want to use, and then install the driver. For details, refer to "Changing the USB Driver Settings (USB Driver)" (p. 189).

Using the V-LINK Function

Connecting the RK-300 to a V-LINK compatible image device allows you to control the images with the RK-300.

V-LINK

V-LINK (V-LINK) is a function that allows music and images to be performed together. By using MIDI to connect two or more V-LINK compatible devices, you can easily enjoy a wide range of visual effects that are linked to the expressive elements of a music performance.

1. Press the [V-LINK] button to switch the V-LINK On/Off.

Button	Explanation
Lit	The V-LINK function is switched on. You can control images using the twelve keys at the left end of the keyboard.
Unlit	The V-LINK function is switched off.

* This is set to "Off" (unlit) when you turn on the power.

NOTE

While V-LINK is switched on, no sound is produced when you press any of the twelve keys at the left end of the keyboard.

Troubleshooting

If you think there's a problem, read this first.

Symptom	Cause/Action	Page
Power does not turn on	Is the power cord connected correctly?	p. 28
The button doesn't work	Is Panel Lock activated? Hold down the [INPUT] button and press the [GUIDE] button to turn off the Panel Lock function.	p. 195
Nothing appears in the screen	Since the RK-300 uses a liquid crystal screen, it may happen that no text or graphics appear in the screen if the temperature is below zero degrees Celsius (32 degrees Fahrenheit).	—
Touch panel does not respond correctly	The touch panel position may drift due to changes in the environment or the passage of time. Correct the drift as described in "Calibrating the Touch Screen (Touch Screen)."	p. 191
Can't display the main screen	Could the [VIDEO MONITOR] button be lit? If the [VIDEO MONITOR] button is lit, the RK-300's display will show the same image shown on the external display or television connected to the RK-300. Press the [VIDEO MONITOR] button or the [EXIT] button so the [VIDEO MONITOR] button is turned off.	p. 41
Song list does not appear	If no songs are stored in "Favorites" and you select "Favorites" as the song location, the song list will not appear. The song list will not appear if you select "Ext Memory" or "CD" as the song location when USB memory or the CD-ROM do not contain any songs. If USB memory is not connected, no CD-ROM is inserted in the CD drive, or no songs have been copied to the "Favorites," you cannot select "Ext Memory," "CD," or "Favorites" as the song location.	p. 80 p. 76 p. 72
Pedal does not work, or is "stuck"	Is the pedal connected correctly? Connect the piano pedal included with the dedicated stand to the PIANO PEDAL connector. Connect the pedal included with the RK-300 or other pedal to the CONTROL PEDAL jack.	p. 29
	Unplugging a pedal cord from the RK-300 while the power is on may cause the pedal's effect to be applied nonstop. Be sure to switch off the power to the RK-300 before attempting to disconnect or connect a pedal cord.	—
	If a different function is assigned to the soft pedal or sostenuto pedal, you won't be able to use them as the soft pedal or sostenuto pedal.	p. 171
Device connected to the Roland AUDIO/VIEO PORT jacks and DVD PLAYER INPUT jacks have insufficient volume	Could you be using a connection cable that contains a resistor? Use a connection cable that does not contain a resistor.	—
Remote control does not work	If the remote sensor is turned off, the data from the remote control unit will not be received. Refer to "Disabling the Remote Control Unit (Remote Control)."	p. 185

Symptom	Cause/Action	Page
Unable to read from/write to USB memory	Are you using (optional) Roland USB memory? Reliable performance cannot be guaranteed if you use non-Roland USB memory products.	—
	If you're unable to read/write USB memory, try switching modes. User Memory: User Memory Mode External Memory: Ext, Memory Mode	p. 189
"Buzz" is heard from external devices	Are the external devices connected to more than one AC power outlet? If you connect external devices, be sure to connect them to the same AC outlet.	—
The sound contains noise	If there is a cell phone nearby, the RK-300 may produce noise when you initiate or receive a call, or while you converse.	—
No sound		
No sound	Could the RK-300's volume or the volume of the connected equipment be turned down?	p. 34
	Could headphones be connected? Could there be a plug inserted in a headphone jack? The speakers will not produce sound if headphones or plug are connected to the headphone jacks.	p. 38
	Could the [BALANCE] knob be set all the way toward "KEYBOARD" or "SONG"?	p. 98
	Is the speaker cable connected correctly?	p. 28
	Could the remote VOLUME [-] [+] buttons or the [MUTE] button be pressed to set the volume to "0"? Even if the [VOLUME] knob is raised, there will be no sound if the remote VOLUME [-] [+] buttons or the [MUTE] button have been pressed to set the volume to "0."	p. 92
	Is Local Off set to Off? When Local Control is set to Off, no sound is produced by playing the keyboard. Set Local Control to "On."	p. 187
Can't hear the play back a song	Could the local control setting be turned "Off"? If the local control setting is "Off" when you play back a song, you won't hear sound from the speakers of the RK-300.	p. 187
No sound from the leftmost notes of the keyboard	Could you be using these keys to switch the piano roll screen display? If you've made settings so that the keyboard will switch the piano roll screen display, the five leftmost notes of the keyboard will not produce sound.	p. 175
	If you've pressed the [DRUMS] button so that the keyboard plays drum sounds, no sounds will be heard when you play the A0–B1 keys.	p. 55
	Is V-LINK switched on? When V-LINK is switched on, the A0–G#1 keys are used to control images, and no sounds are played with these keys.	p. 200

Symptom	Cause/Action	Page
DVD volume is too low (or inaudible)	Is the DVD player connected correctly?	p. 124
	Could the DVD PLAYER INPUT [VOLUME] knob be turned to the minimum position? The DVD player's volume is adjusted with the [DVD INPUT] knob; not by the [VOLUME] knob.	
Portable audio player's volume is too low (or inaudible)	Is the portable audio player connected correctly?	p. 126
	Could the [AUDIO/VIDEO PORT] knob be turned to the minimum position? The portable audio player's volume is adjusted with the [AUDIO/VIDEO PORT] knob; not by the [VOLUME] knob.	
Can't play a CD in the CD player connected to the Roland AUDIO/VIDEO PORT jacks	Is the Audio Port Mode set correctly? Set the type appropriately for the CD that you want to play.	p. 186
No sound (when a MIDI device is connected)	Are all devices powered on?	p. 198
	Are the MIDI cables connected correctly?	
	Do the MIDI channels of the RK-300 and the connected device match?	p. 187
Moving your hand over the D Beam controller does not produce a sound	Could the D Beam button for the desired sound effect be lit green? If a D Beam button is lit red, moving your hand above the D Beam controller will apply an effect to the sound you play from the keyboard.	p. 68
Not all the notes you play are sounded	The maximum simultaneous polyphony is 128 notes. If you are playing along with a song and making heavy use of the damper pedal, the number of notes the RK-300 is attempting to produce may exceed the maximum polyphony, meaning that some of the notes will drop out.	—
Notes don't sound right		
Pitch of the keyboard or song is incorrect	Could you have made Key Control settings?	p. 109
	Is the Master Tune setting appropriate?	p. 51
	Is the setting for the Temperament correct?	p. 52
	Is the settings for the Stretch Tuning correct?	p. 52
Keyboard volume is too low	Could the [BALANCE] knob be set all the way toward "SONG"?	p. 98
Sound changed unexpectedly	Could you have switched sound tabs in the main screen?	p. 44
The wrong instrument is selected when you press the [1], [2], or [3] button	INSTRUMENT buttons [1] [2] [3] also operate as buttons that select "Recommended Tones" or "User Tones." If you select the <Recommend> tab in the main screen, these buttons are automatically assigned instrumental sounds that are appropriate for the song. You can press instrument buttons [1] [2] [3] to select these recommended tones. If you select the <User> tab in the main screen, you can assign your own choice of sounds to these buttons.	p. 57 p. 95

Symptom	Cause/Action	Page
Multiple instruments sound when you play the keyboard	Could you have pressed the [DRUMS] button to play drum sounds? If the [DRUMS] button's indicator is lit, the white keys C2–B3 will play drum sounds. The black keys C♯2–B♭3 will play sound effects, and the C4–C8 keys will play the sounds they were playing before you pressed the [DRUMS] button. If the [DRUMS] button is lit, A0–B1 will not produce sound.	p. 55
	Could you have selected a layered tone? If you've selected a tone whose name is divided by a "+" symbol, two sounds will sound simultaneously.	p. 61
Reverberation remains even if You defeat the Reverb effect	The RK-300's piano sound faithfully simulates the depth and resonance of an acoustic piano, and this may give the impression of reverberation even if you've defeated the Reverb effect.	—
Sounds are produced even though you're not playing the keyboard	Could one of the three D Beam buttons be lit green? If a D Beam button is lit green, moving your hand above the D Beam controller will play a sound effect.	p. 68
The sound of the higher notes suddenly changes from a certain key	On an acoustic piano, the approximately one and a half octaves of notes at the top of the keyboard will continue sounding regardless of the damper pedal. These notes also have a somewhat different tonal character. RK-300 faithfully simulate this characteristic of acoustic pianos. On the RK-300, the range that is unaffected by the damper pedal will change according to the key control setting.	—
High-pitched ringing is heard	If you hear this in headphones: Piano sounds that have a brilliant and crisp character contain substantial high-frequency components that may sound as though a metallic ringing has been added. This is because the character of an actual piano is being faithfully reproduced, and is not a malfunction. This ringing is more obtrusive if the reverb effect is applied heavily, so you may be able to minimize it by decreasing the reverb. If you don't hear this in headphones: It is likely that there is some other reason (such as resonances within the unit). Please contact your dealer or a nearby Roland service center.	—
Low notes sound wrong, or are buzzy	If you don't hear this in headphones: Performing at high volumes may cause the speakers or objects near the VIMA to resonate. Fluorescent lights or glass doors may also resonate sympathetically. In particular, this is more likely to occur for lower notes and higher volumes. You can take the following measures to minimize resonances. • Locate the speakers 10–15 cm away from walls or other surfaces. • Keep the volume down. • Move away from the objects that are resonating. If you hear this in headphones: It is likely that there is some other reason. Please contact your dealer or a nearby Roland service center.	—

Symptom	Cause/Action	Page
Song does not play correctly		
Song won't play	Could the screen be indicating "OK to delete Song? Are you sure?" You can't play back an internal song if internal memory contains performance data you recorded. Erase the performance data you recorded before you play back the song.	p. 71
	Is Panel Lock activated? Hold down the [INPUT] button and press the [GUIDE] button to turn off the Panel Lock function.	p. 195
Can't play back an internal song	Could you have pressed the remote [MUTE] button to mute the sound? Press the remote [MUTE] button to cancel muting.	p. 92
Only the sound of a particular instrument in a song does not play	Could the Part Mute setting be active? Muted parts will not be heard.	p. 136
Can't fast-forward or rewind by pressing the [▶▶] button or[◀◀] button	You can't rewind or fast-forward while loading music files or while generating a notation. Please wait.	—
	If you play back data containing performance data that exceeds the VIMA's storage capacity, there may be cases in which you will be unable to perform operations other than playback (e.g., fast-forward or rewind).	—
Songs in USB memory are not played immediately	SMF music files comes in two types; Formats 0 and 1. In the case of format 1 data, it may take a certain amount of time for playback to begin. The format type is indicated on the booklet for the music files you're using.	—
Song tempo becomes unstable	When playing a song from USB memory or CD-ROM, the tempo may become unstable if there is an excessive amount of performance data.	—
Can't play an audio/MP3 format song	Is the song in a format that the RK-300 is able to play? For details on audio/MP3 formats, refer to "Types of Audio/MP3 files that the RK-300 can play."	p. 208
A music CD song or audio/ MP3 format song does not play correctly	Is the Audio Play Level set correctly?	p. 174
	Is the CD/Audio Type set correctly?	p. 186
Song name in USB memory or CD-ROM is not shown	Does the file contain song information (Sequence/Track Name Meta Event)? The song name will not be shown if the song information in the file is empty or consists only of spaces.	—
	Is the filename eight or fewer characters? If the filename is longer than eight characters, the file cannot be correctly handled as song data.	—
	Is the filename extension "MID"? Files with other filename extensions cannot be handled as song data.	—
Song titles on a music CD are not shown	Song titles from a music CD cannot be displayed.	—
Song volume is low	Could the [BALANCE] knob be set all the way toward "KEYBOARD"?	p. 98

Symptom	Cause/Action	Page
Can't hear the vocal of a music CD / Can't hear the melody of music files	Could the [MUTE/CENTER CANCEL] button be lit? If the [MUTE/CENTER CANCEL] button is lit, the vocal sound will be canceled from the music CD playback. If the [MUTE/CENTER CANCEL] button is lit, the melody of the music files will be muted. Press the [MUTE/CENTER CANCEL] button so it's not lighted.	p. 99 p. 110 p. 111
Vocal sounds from a commercially produced music CD are not minimized when you press the [MUTE/CENTER CANCEL] button	For some commercially available music CDs, the vocal portion cannot be eliminated.	—
Can't record / play back		
Can't record	You can't record while a notation is being generated. When the notation has been generated (the measure numbers in the screen are no longer highlighted), try the operation once again.	—
	You can't overdub onto an MP3 format song.	—
The recorded performance disappeared	Your recorded performance will disappear if you switch off the RK-300's power or select a song. There is no way to recover the lost performance. Before you turn off the power, save your recorded performance in "Favorites."	p. 144
Something's wrong with the image in the connected television or external display		
No image is shown in the connected television or external display	Is your external display or television connected correctly?	p. 39
	Is your external display or television powered up?	
	Is the video output destination selected correctly?	p. 40
	Are you using a display that the RK-300 can use? Refer to "Types of display that can be connected."	p. 39
	Is the television format specified correctly?	p. 175
	Is the video output aspect ratio set correctly?	p. 176
	Is your video device correctly connected to the RK-300?	p. 120 p. 124 p. 126
	Is the Blank Screen setting appropriate? If the blank screen setting is "Black," nothing will be displayed if the [DVD]–[SLIDE SHOW] buttons are all extinguished and the video output is off.	p. 176
Thin horizontal lines flicker in the television screen	Thin horizontal lines may flicker in the television screen, but this is due to the television itself, and is not a malfunction of the VIMA.	—
Can't see the edge of the image on the television screen	In some cases, the edge of the image may not be visible on the television screen, but this is due to the characteristics of the television and is not a malfunction on the RK-300.	—

Symptom	Cause/Action	Page
The image is not shown cleanly in the television	Even if you make all of the recommended settings, there may be cases in which the image is not shown cleanly in your television. (For example, the display may not match the screen size, or may be skewed from the center.)	—
Lyric display is wrong	For some types of music files, the lyrics may sometimes be displayed incorrectly.	—
	In the notation screen, the lyrics or notes may sometimes be incorrectly shown outside the screen display region.	—
Notation display is wrong	If you've selected a channel that does not contain performance data, notes will not be shown in the notation. In the notation display settings, change the displayed channel (melody channel).	p. 173
	The displayed notation is not suitable for sophisticated or complex songs. Also, grace notes and notes shorter than a 16 note cannot be shown.	p. 94
	In some cases, lyrics and notes may sometimes be shown outside the display area of the notation screen, and will not appear correctly.	—
Something's wrong with the sound from the microphone		
Microphone volume is too low (or inaudible)	Is the microphone connected correctly?	p. 101
	Could the [MIC 1]/[MIC 2] knobs be set to the minimum volume? The microphone 1 volume is adjusted with the [MIC 1] knob, and the microphone 2 volume is adjusted with the [MIC 2] knob.	p. 102
Your voice in the microphone sounds wrong	Could the [ECHO] button be lit? If the [ECHO] button is lit, echo (reverberation) will be added to your voice in the microphone.	p. 108
	Could the [EFFECTS] button be lit? If the [EFFECTS] button is lit, an effect will be applied to your voice in the microphone.	p. 104
	Could the [INPUT] button be lit? If the [INPUT] button is lit, the MIC 1/GTR jack will be a guitar input.	p. 101
The volume of the microphone changes	Turning the panel [VOLUME] knob will adjust the overall volume including the microphone volume. To change the microphone volume, use the [VOLUME] knob to set the overall volume for the entire RK-300, and then use the [MIC 1] knob or [MIC 2] knob to adjust the volume of each microphone.	p. 102

Symptom	Cause/Action	Page
Something's wrong with the sound from the guitar		
Guitar volume is too low (or inaudible)	Is the guitar connected correctly?	p. 132
	Could the [MIC 1] knob be set to the minimum volume? The guitar volume is adjusted by the [MIC 1] knob.	p. 133
Guitar sounds wrong	Could the [EFFECTS] button be lit? If the [EFFECTS] button is lit, an effect will be applied to guitar sound.	p. 133
	Could the [INPUT] button be extinguished? If the [INPUT] button is not lit, the MIC 1/GTR jack will be a microphone input.	p. 132
The volume of the guitar changes	Turning the panel [VOLUME] knob will adjust the overall volume including the guitar volume. To change the guitar volume, use the [VOLUME] knob to set the overall volume for the entire RK-300, and then use the [MIC 1] knob to adjust the volume of the guitar.	p. 133

Types of Audio/MP3 files that the RK-300 can play

Audio

Sampling Frequency	44.1 kHz
Bit Depth	16-bit
File Extension	".wav"

MP3

Format	MPEG-1 audio layer 3
Sampling Frequency	44.1 kHz
Bit Rate	32/40/48/56/64/80/96/112/128/160/192/224/256/320 kbps, VBR (Variable Bit Rate)
File Extension	".mp3"

Error Messages

Indication	Meaning
Error: 1	You can only read the music file. It can not be saved.
Error: 2	An error occurred during writing. The external media's protect tab may be in the "Protect" (writing prohibited) position, or the external media may not yet be initialized.
Error: 10	No external media is inserted. Insert the external media and try again.
Error: 11	There is not sufficient free memory in the save destination. Either insert other external media or delete unneeded files and try again.
Error: 14	An error occurred during writing. The external media may be corrupted. Insert other external media and try again. Alternatively, you can initialize the external media.
Error: 15	The file is unreadable. The data format is not compatible with the RK-300.
Error: 16	Data was not called up in time for playback of the song. After waiting several seconds, you may be able to play back the song by pressing the [Play/Stop] button again.
Error: 17	The selected image data cannot be displayed. Prepare image data that can be used with the RK-300 (p. 122).
Error: 18	The song is in an unsupported audio/MP3 format. Use a song in an audio/MP3 format that the RK-300 supports. For details on audio/MP3 formats, refer to p. 208.
Error: 30	The internal memory capacity of the RK-300 is full.
Error: 40	The RK-300 cannot deal with the excessive MIDI data sent from the external MIDI device. Reduce the amount of MIDI data sent to the RK-300.
Error: 41	A MIDI cable has been disconnected. Connect it properly and securely.
Error: 43	A MIDI transmission error has occurred. Check the MIDI cable and connected MIDI device.
Error: 51	There may be a problem with the system. Repeat the procedure from the beginning. If it is not solved after you have tried several times, contact the Roland service center.
Error: 65	The External Memory port was subjected to excessive current. Make sure that there is no problem with the external media, then turn the power off, then on again.

* External Media: USB memory, CD-ROM, etc.

Tone List

Piano

Superior Grd
NaturalGrand
Vintage EP
Piano 1
Piano 1w
Piano 1d
Piano 2
Piano 2w
Piano 3
Piano 3w
Honky-tonk
Honky-tonk w
E.Piano 1
E.Piano 2
Detuned EP 1
Detuned EP 2
'60s E.Piano
EP Legend
EP Phase
FM+SA EP
St.FM EP
Harpsichord
Coupled Hps.
Harpsi.w
Harpsi.o
Clav.
Pulse Clav.

Organ

Full Stops	*1
Light Organ	*1
Gospel Spin	*1
Organ Flute	
Nason flt 8'	
Perc.Organ 1	*1
Perc.Organ 2	*1
Organ 1	*1
Organ 2	*1
TremoloOrgan	
Chorus Organ	
Rock Organ	
'60s Organ	*1
Church Org.1	
Church Org.2	
Church Org.3	
Reed Organ	
Puff Organ	
Accordion 1	
Accordion 2	
Harmonica	
Bandoneon	

Strings

Mood Strings
DecayStrings
Strings
Slow Strings
Tremolo Str.
PizzicatoStr
'60s Strings
Orchestra
Violin
Slow Violin
Viola
Cello
Contrabass
Syn.Strings1
Syn.Strings2
Syn.Strings3
Harp
Koto
Taisho Koto
Fiddle

Guitar

Nylon-str.Gt
Nylon Gt 2
Nylon Gt o
Ukulele
Steel-str.Gt
12-str.Gt
Steel+Body
Combo JazzGt
Jazz Guitar
Hawaiian Gt
Clean Guitar
Chorus Gt 1
Chorus Gt 2
Mid Tone Gt
Muted Guitar
Funk Guitar1
Funk Guitar2
Overdrive Gt
Guitar Pinch
DistortionGt
Gt Feedback1
Gt Feedback2
Dist.Rtm Gt
Gt Harmonics
AcousticBass
FingeredBass
Finger Slap
Picked Bass
FretlessBass
Slap Bass 1
Slap Bass 2
Mandolin
Banjo
Sitar 1
Sitar 2
Shamisen

Brass/Sax

Brass Fall
Trumpet
Dark Trumpet
Romantic Tp
Mariachi Tp
MuteTrumpet1
MuteTrumpet2
Trombone 1
Trombone 2
Bright Tb
Soprano Sax
BlowAltoVib.
Alto Sax
TenorSaxVib.
Tenor Sax
Baritone Sax
French Horn1
French Horn2
Tuba
Brass 1
Brass 2
Synth Brass1
Synth Brass2
Synth Brass3
Synth Brass4
AnalogBrass1
AnalogBrass2
Jump Brass

Woodwinds

Flute
Piccolo
Recorder
Pan Flute
Oboe
Clarinet
English Horn
Bassoon
Bottle Blow
Shakuhachi
Whistle
Ocarina
Bagpipe
Shanai

* These sounds have the rotary speaker effect applied to them. Depending on the pedal function assignment (p. 172), you can use the pedal to switch the rotational speed of the rotary speaker.

Percussion

- Celesta
- Glockenspiel
- Music Box
- Vibraphone
- Vibraphone w
- Marimba
- Marimba w
- Xylophone
- TubularBells
- Church Bell
- Carillon
- Santur
- Yang Qin
- Timpani
- Kalimba
- Tinkle Bell
- Agogo
- Steel Drums
- Woodblock
- Castanets
- Taiko
- Concert BD
- Melodic Tom1
- Melodic Tom2
- Synth Drum
- TR-808 Tom
- Elec.Perc.
- Ride Cymbal
- Reverse Cym.
- STANDARD Set
- ROOM Set
- POWER Set
- ELEC.Set
- ANALOG Set
- JAZZ Set
- BRUSH Set
- ORCH.Set
- SFX Set

Layer

- Piano+Str.1
- Piano+Str.2
- Piano+Str.3
- Piano+Choir1
- Piano+Choir2
- Piano+Choir3
- Piano+Bell
- Piano+Pad
- E.Piano+Pad
- Pipe+Choir 1
- Pipe+Choir 2
- Pipe+Strings
- Organ+Choir
- Organ+Gospel
- Choir+Str.
- Nylon+Steel
- Harp+Strings
- Brass+Sax
- Bass+Cymbal
- Vibes+JazzGt

Split

- Piano/Str.1
- Piano/Str.2
- Piano/Choir1
- Piano/Choir2
- Gospel/Piano
- Piano/Bass
- Piano/Organ
- Pipe/Strings
- Choir/Pipe
- E.Piano/E.Bs
- OrganUpr/Lwr
- Gospel/Organ
- Organ/JazzGt
- Strings/Harp
- Flute/Harpsi
- Flute/Str.
- Brass/Str.
- Sax/Brass
- Brass/Tuba
- Vibes/Bass

Others

- ClassicalChr
- Boys Choir
- GregorianChr
- Gospel Choir
- Jazz Scat
- Angels Choir
- Soft Pad
- Dcy ChoirPad
- Choir 1
- Choir 2
- Voice
- Humming
- Synth Voice
- Analog Voice
- Synth Bass 1
- Synth Bass 2
- Synth Bass 3
- Synth Bass 4
- WarmSyn.Bass
- Clav.Bass
- Hammer
- RubberSyn.Bs
- Attack Pulse
- OrchestraHit
- Bass Hit
- 6th Hit
- Euro Hit
- Square Lead1
- Square Lead2
- Sine Lead
- Saw Lead 1
- Saw Lead 2
- Doctor Solo
- Natural Lead
- SequencedSaw
- Syn.Calliope
- Chiffer Lead
- Charang
- Wire Lead
- Solo Vox
- 5th Saw Lead
- Bass+Lead
- Delayed Lead
- Fantasia
- Warm Pad
- Sine Pad
- Polysynth
- Space Voice
- Itopia
- Bowed Glass
- Metallic Pad
- Halo Pad
- Sweep Pad
- Ice Rain
- Soundtrack
- Crystal
- Synth Mallet
- Atmosphere
- Brightness
- Goblins
- Echo Drops
- Echo Bell
- Echo Pan
- Star Theme
- Gt FretNoise
- Gt Cut Noise
- BsStringSlap
- Breath Noise
- Fl.Key Click
- Seashore
- Rain
- Thunder
- Wind
- Stream
- Bubble
- Bird 1
- Bird 2
- Dog
- Horse Gallop
- Telephone 1
- Telephone 2
- DoorCreaking
- Door
- Scratch
- Wind Chimes
- Helicopter
- Car Engine
- Car Stop
- Car Pass
- Car Crash
- Siren
- Train
- Jet Plane
- Starship
- Burst Noise
- Applause
- Laughing
- Screaming
- Punch
- Heart Beat
- Footsteps
- Gun Shot
- Machine Gun
- Laser Gun
- Explosion

		STANDARD Set		ROOM Set		POWER Set		ELEC.Set	
	27	High Q		High Q		High Q		High Q	
	28	Slap		Slap		Slap		Slap	
		Scratch Push	[EXC7]	Scratch Push	[EXC7]	Scratch Push	[EXC7]	Scratch Push	[EXC7]
	29	Scratch Pull	[EXC7]	Scratch Pull	[EXC7]	Scratch Pull	[EXC7]	Scratch Pull	[EXC7]
	30	Sticks		Sticks		Sticks		Sticks	
	31	Square Click		Square Click		Square Click		Square Click	
	32	Metronome Click		Metronome Click		Metronome Click		Metronome Click	
	33	Metronome Bell		Metronome Bell		Metronome Bell		Metronome Bell	
	34	Kick Drum 2		Room Kick 2		Power Kick 2		Electric Kick 2	
	35	Kick Drum 1		Room Kick 1		Power Kick 1		Electric Kick 1	
C2	36	Side Stick 1		Side Stick 1		Power Side Stick		Side Stick 3	
	37	Snare Drum		Room Snare		Power Snare		Electric Snare 1	
	38	TR-909 Clap		TR-909 Clap		TR-909 Clap		TR-909 Clap	
	39	Electric Snare 3		Electric Snare 3		Electric Snare 3		Electric Snare 2	
	40	Low Tom 2		Room Low Tom 2		Power Low Tom 2		Electric Low Tom 2	
	41	Closed Hi-Hat	[EXC1]	Closed Hi-Hat	[EXC1]	Power Closed Hi-Hat	[EXC1]	Closed Hi-Hat	[EXC1]
	42	Low Tom 1		Room Low Tom 1		Power Low Tom 1		Electric Low Tom 1	
	43	Pedal Hi-Hat	[EXC1]	Pedal Hi-Hat	[EXC1]	Pedal Hi-Hat	[EXC1]	Pedal Hi-Hat	[EXC1]
	44	Mid Tom 2		Room Mid Tom 2		Power Mid Tom 2		Electric Mid Tom 2	
	45	Open Hi-Hat	[EXC1]	Open Hi-Hat	[EXC1]	Power Open Hi-Hat	[EXC1]	Open Hi-Hat	[EXC1]
	46	Mid Tom 1		Room Mid Tom 1		Power Mid Tom 1		Electric Mid Tom 1	
	47	High Tom 2		Room High Tom 2		Power High Tom 2		Electric High Tom 2	
C3	48	Crash Cymbal		Crash Cymbal		Power Crash Cymbal 1		Crash Cymbal	
	49	High Tom 1		Room High Tom 1		Power High Tom 1		Electric High Tom 1	
	50	Ride Cymbal 1		Ride Cymbal 1		Power Ride Cymbal 1		Ride Cymbal 1	
	51	Chinese Cymbal		Chinese Cymbal		Power Chinese Cymbal		Reverse Cymbal	
	52	Ride Bell 1		Ride Bell 1		Power Ride Bell		Ride Bell 1	
	53	Tambourine		Tambourine		Tambourine		Tambourine	
	54	Splash Cymbal		Splash Cymbal		Splash Cymbal		Splash Cymbal	
	55	Cowbell		Cowbell		Cowbell		Cowbell	
	56	Power Crash Cymbal 2		Power Crash Cymbal 2		Power Crash Cymbal 2		Power Crash Cymbal 2	
	57	Vibra-slap		Vibra-slap		Vibra-slap		Vibra-slap	
	58	Power Ride Cymbal 1		Power Ride Cymbal 1		Power Ride Cymbal 2		Power Ride Cymbal 1	
	59	High Bongo		High Bongo		High Bongo		High Bongo	
C4	60	Low Bongo		Low Bongo		Low Bongo		Low Bongo	
	61	Mute High Conga		Mute High Conga		Mute High Conga		Mute High Conga	
	62	Open High Conga		Open High Conga		Open High Conga		Open High Conga	
	63	Low Conga		Low Conga		Low Conga		Low Conga	
	64	High Timbale		High Timbale		High Timbale		High Timbale	
	65	Low Timbale		Low Timbale		Low Timbale		Low Timbale	
	66	High Agogo		High Agogo		High Agogo		High Agogo	
	67	Low Agogo		Low Agogo		Low Agogo		Low Agogo	
	68	Cabasa		Cabasa		Cabasa		Cabasa	
	69	Maracas		Maracas		Maracas		Maracas	
	70	Short High Whistle	[EXC2]	Short High Whistle	[EXC2]	Short High Whistle	[EXC2]	Short High Whistle	[EXC2]
	71	Long Low Whistle	[EXC2]	Long Low Whistle	[EXC2]	Long Low Whistle	[EXC2]	Long Low Whistle	[EXC2]
C5	72	Short Guiro	[EXC3]	Short Guiro	[EXC3]	Short Guiro	[EXC3]	Short Guiro	[EXC3]
	73	Long Guiro	[EXC3]	Long Guiro	[EXC3]	Long Guiro	[EXC3]	Long Guiro	[EXC3]
	74	Claves		Claves		Claves		Claves	
	75	High Woodblock		High Woodblock		High Woodblock		High Woodblock	
	76	Low Woodblock		Low Woodblock		Low Woodblock		Low Woodblock	
	77	Mute Cuica	[EXC4]	Mute Cuica	[EXC4]	Mute Cuica	[EXC4]	Mute Cuica	[EXC4]
	78	Open Cuica	[EXC4]	Open Cuica	[EXC4]	Open Cuica	[EXC4]	Open Cuica	[EXC4]
	79	Mute Triangle	[EXC5]	Mute Triangle	[EXC5]	Mute Triangle	[EXC5]	Mute Triangle	[EXC5]
	80	Open Triangle	[EXC5]	Open Triangle	[EXC5]	Open Triangle	[EXC5]	Open Triangle	[EXC5]
	81	Shaker		Shaker		Shaker		Shaker	
	82	Jingle Bell		Jingle Bell		Jingle Bell		Jingle Bell	
	83	Bell Tree		Bell Tree		Bell Tree		Bell Tree	
C6	84	Castanets		Castanets		Castanets		Castanets	
	85	Mute Surdo	[EXC6]	Mute Surdo	[EXC6]	Mute Surdo	[EXC6]	Mute Surdo	[EXC6]
	86	Open Surdo	[EXC6]	Open Surdo	[EXC6]	Open Surdo	[EXC6]	Open Surdo	[EXC6]
	87	-----		-----		-----		-----	
	88								

* -----: No sound.

* [EXC]: will not sound simultaneously with other percussion instruments of the same number.

		ANALOG Set	JAZZ Set	BRUSH Set	ORCH.Set
	27	High Q	High Q	High Q	Jazz Closed Hi-Hat [EXC1]
	28	Slap	Slap	Slap	Jazz Pedal Hi-Hat [EXC1]
		Scratch Push [EXC7]	Scratch Push [EXC7]	Scratch Push [EXC7]	Jazz Open Hi-Hat [EXC1]
	29	Scratch Pull [EXC7]	Scratch Pull [EXC7]	Scratch Pull [EXC7]	Power Ride Cymbal 1
	30	Sticks	Sticks	Sticks	Sticks
	31	Square Click	Square Click	Square Click	Square Click
	32	Metronome Click	Metronome Click	Metronome Click	Metronome Click
	33	Metronome Bell	Metronome Bell	Metronome Bell	Metronome Bell
	34	Electric Kick 2	Jazz Kick 2	Kick Drum 2	Concert Bass Drum 2
	35	TR-808 Kick	Jazz Kick 1	Kick Drum 1	Concert Bass Drum 1
C2	36	TR-808 Rim Shot	Side Stick 2	Side Stick 2	Side Stick 2
	37	TR-808 Snare	Jazz Snare	Brush Tap	Concert Snare Drum
	38	TR-909 Clap	TR-909 Clap	Brush Slap	Castanets
	39	Electric Snare 3	Electric Snare 3	Brush Swirl	Concert Snare Drum
	40	TR-808 Low Tom 2	Jazz Low Tom 2	Brush Low Tom 2	Timpani F
	41	TR-808 Closed Hi-Hat [EXC1]	Jazz Closed Hi-Hat [EXC1]	Brush Closed Hi-Hat [EXC1]	Timpani F#
	42	TR-808 Low Tom 1	Jazz Low Tom 1	Brush Low Tom 1	Timpani G
	43	TR-808 Closed Hi-Hat [EXC1]	Jazz Pedal Hi-Hat [EXC1]	Brush Pedal Hi-Hat [EXC1]	Timpani G#
	44	TR-808 Mid Tom 2	Jazz Mid Tom 2	Brush Mid Tom 2	Timpani A
	45	TR-808 Open Hi-Hat [EXC1]	Jazz Open Hi-Hat [EXC1]	Brush Open Hi-Hat [EXC1]	Timpani A#
	46	TR-808 Mid Tom 1	Jazz Mid Tom 1	Brush Mid Tom 1	Timpani B
	47	TR-808 High Tom 2	Jazz High Tom 2	Brush High Tom 2	Timpani c
C3	48	TR-808 Crash Cymbal	Crash Cymbal	Jazz Crash Cymbal	Timpani c#
	49	TR-808 High Tom 1	Jazz High Tom 1	Brush High Tom 1	Timpani d
	50	Ride Cymbal 1	Jazz Ride Cymbal	Ride Cymbal 2	Timpani d#
	51	Chinese Cymbal	Chinese Cymbal	Brush Crash Cymbal 2	Timpani e
	52	Ride Bell 1	Jazz Ride Bell	Ride Bell 2	Timpani f
	53	Tambourine	Tambourine	Tambourine	Tambourine
	54	Splash Cymbal	Splash Cymbal	Brush Crash Cymbal 1	Splash Cymbal
	55	TR-808 Cowbell	Cowbell	Cowbell	Cowbell
	56	Power Crash Cymbal 2	Power Crash Cymbal 2	Jazz Crash Cymbal	Concert Cymbal 2
	57	Vibra-slap	Vibra-slap	Vibra-slap	Vibra-slap
	58	Power Ride Cymbal 1	Power Ride Cymbal 1	Ride Cymbal	Concert Cymbal 1
	59	High Bongo	High Bongo	High Bongo	High Bongo
C4	60	Low Bongo	Low Bongo	Low Bongo	Low Bongo
	61	TR-808 High Conga	Mute High Conga	Mute High Conga	Mute High Conga
	62	TR-808 Mid Conga	Open High Conga	Open High Conga	Open High Conga
	63	TR-808 Low Conga	Low Conga	Low Conga	Low Conga
	64	High Timbale	High Timbale	High Timbale	High Timbale
	65	Low Timbale	Low Timbale	Low Timbale	Low Timbale
	66	High Agogo	High Agogo	High Agogo	High Agogo
	67	Low Agogo	Low Agogo	Low Agogo	Low Agogo
	68	Cabasa	Cabasa	Cabasa	Cabasa
	69	TR-808 Maracas	Maracas	Maracas	Maracas
	70	Short High Whistle [EXC2]	Short High Whistle [EXC2]	Short High Whistle [EXC2]	Short High Whistle [EXC2]
	71	Long Low Whistle [EXC2]	Long Low Whistle [EXC2]	Long Low Whistle [EXC2]	Long Low Whistle [EXC2]
C5	72	Short Guiro [EXC3]	Short Guiro [EXC3]	Short Guiro [EXC3]	Short Guiro [EXC3]
	73	Long Guiro [EXC3]	Long Guiro [EXC3]	Long Guiro [EXC3]	Long Guiro [EXC3]
	74	TR-808 Claves	Claves	Claves	Claves
	75	High Woodblock	High Woodblock	High Woodblock	High Woodblock
	76	Low Woodblock	Low Woodblock	Low Woodblock	Low Woodblock
	77	Mute Cuica [EXC4]	Mute Cuica [EXC4]	Mute Cuica EXC4]	Mute Cuica [EXC4]
	78	Open Cuica [EXC4]	Open Cuica [EXC4]	Open Cuica [EXC4]	Open Cuica [EXC4]
	79	Mute Triangle [EXC5]	Mute Triangle [EXC5]	Mute Triangle [EXC5]	Mute Triangle [EXC5]
	80	Open Triangle [EXC5]	Open Triangle [EXC5]	Open Triangle [EXC5]	Open Triangle [EXC5]
	81	Shaker	Shaker	Shaker	Shaker
	82	Jingle Bell	Jingle Bell	Jingle Bell	Jingle Bell
	83	Bell Tree	Bell Tree	Bell Tree	Bell Tree
C6	84	Castanets	Castanets	Castanets	Castanets
	85	Mute Surdo [EXC6]	Mute Surdo [EXC6]	Mute Surdo [EXC6]	Mute Surdo [EXC6]
	86	Open Surdo [EXC6]	Open Surdo [EXC6]	Open Surdo [EXC6]	Open Surdo [EXC6]
	87	-----	-----	-----	Applause
	88				

* -----: No sound.

* [EXC]: will not sound simultaneously with other percussion instruments of the same number.

SFX Set

	27	-----
	28	-----
	29	-----
	30	-----
	31	-----
	32	-----
	33	-----
	34	-----
	35	-----
C2	36	-----
	37	-----
	38	-----
	39	High Q
	40	Slap
	41	Scratch Push [EXC7]
	42	Scratch Pull [EXC7]
	43	Sticks
	44	Square Click
	45	Metronome Click
	46	Metronome Bell
	47	Guitar Fret Noise
C3	48	Guitar Cutting Noise Up
	49	Guitar Cutting Noise Down
	50	String Slap of Double Bass
	51	Fl.Key Click
	52	Laughing
	53	Screaming
	54	Punch
	55	Heart Beat
	56	Footsteps 1
	57	Footsteps 2
	58	Applause
	59	Door Creaking
C4	60	Door
	61	Scratch
	62	Wind Chimes
	63	Car-Engine
	64	Car-Stop
	65	Car-Pass
	66	Car-Crash
	67	Siren
	68	Train
	69	Jet Plane
	70	Helicopter
	71	Starship
C5	72	Gun Shot
	73	Machine Gun
	74	Laser Gun
	75	Explosion
	76	Dog
	77	Horse-Gallop
	78	Birds
	79	Rain
	80	Thunder
	81	Wind
	82	Seashore
	83	Stream
C6	84	Bubble
	85	-----
	86	-----
	87	-----
	88	-----

* -----: No sound.

* [EXC]: will not sound simultaneously with other percussion instruments of the same number.

Internal Song List

1	Sonate No.15
2	Liebesträume 3
3	Étude, op.10-3
4	Je te veux
5	Valse, op.64-1
6	Golliwog's Cakewalk
7	Fantaisie-Impromptu
8	Arabesque 1
9	An der schönen, blauen Donau
10	Auf Flügeln des Gesanges
11	Mazurka No.5
12	Gymnopédie 1
13	Étude, op.25-1
14	Clair de Lune
15	Étude, op.10-5
16	Dr. Gradus ad Parnassum
17	Grande Valse Brillante
18	La prière d'une Vierge
19	Course en Troïka
20	To The Spring
21	Valse, op.64-2
22	Radetzky Marsch
23	Träumerei
24	Moments Musicaux 3
25	Prélude, op.28-15
26	Harmonious Blacksmith
27	Ungarische Tänze 5
28	Türkischer Marsch (Beethoven)
29	Nocturne No.2
30	Frühlingslied
31	Präludium
32	Jägerlied
33	Menuet Antique
34	Für Elise
35	Türkischer Marsch (Mozart)
36	Ständchen
37	Humoreske
38	Blumenlied
39	Alpenglöckchen
40	Menuett G dur (Beethoven)
41	Venezianisches Gondellied
42	Alpenabendröte
43	Farewell to the Piano
44	Brautchor
45	Battle of Waterloo
46	Wiener Marsch
47	Le Coucou
48	Menuett G dur (Bach)
49	Spinnerlied
50	Gavotte
51	Heidenröslein
52	Zigeuner Tanz
53	La Cinquantaine
54	Csikos Post
55	Dolly's Dreaming Awakening
56	La Violette
57	Fröhlicher Landmann
58	Sonatine op.36-1 (Clementi)
59	Sonatine op.20-1 (Kuhlau)
60	Sonatine No.5 (Beethoven)
61	Beautiful Dreamer
62	Skip to My Lou
63	Turkey in the Straw
64	Yankee Doodle Boy
65	Old MacDonald Had A Farm
66	Abide with Me
67	Nearer, My God, to Thee
68	O Little Town of Bethlehem
69	We Wish You A Merry Christmas
70	Jingle Bells
71	Silent Night, Holy Night
72	Auld Lang Syne
73	Twinkle Twinkle, Little Star
74	Mary Had A Little Lamb
75	London Bridge

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* No data for the Song that is played will be output from MIDI OUT.

Music Files That the RK-300 Can Use

What Are Music Files?

Music files contains musical information such as how long the key for a corresponding pitch is played, the force applied to the key played, and other such information. Performance data is transmitted to the RK-300 from music files saved in USB memory and CD-ROM, and played back without change as songs. This is different than a music CD, since the music file does not contain a recording of the sound itself. This makes it possible to change tempos and keys freely, allowing you to use it in many different ways.

Regarding Copyright

Use of the song data supplied with the CD-ROM attached to this product for any purpose other than private, personal enjoyment without the permission of the copyright holder is prohibited by law. Additionally, this data must not be copied, nor used in a secondary copyrighted work without the permission of the copyright holder.

Please be aware that if you create derivative works that are based on existing copyrighted material, such as commercially available SMF music files, such works may violate copyright law if used for any purpose other than personal enjoyment. Roland takes no responsibility for any copyright violation you may commit by creating such works.

The RK-300 Allows You To Use the Following Music Files

VIMA TUNES

VIMA TUNES is a Roland specification for music files that contains image and lyric data, allowing you to enjoy songs with lyrics and images simultaneously. When data bearing the "VIMA TUNES" logo is played back on a device that bears the same logo, lyrics can be shown on the screen of a connected external display or television, letting you enjoy karaoke or watch a slide show.

SMF Music Files

SMFs (Standard MIDI Files) use a standard format for music file that was formulated so that files containing music file could be widely compatible, regardless of the manufacturer of the listening device. An enormous variety of music is available, whether it be for listening, for practicing musical instruments, for Karaoke, etc.

SMF with Lyrics

"SMF with Lyrics" refers to SMF (Standard MIDI File) that contains the lyrics. When Music Files carrying the "SMF with Lyrics" logo are played back on the RK-300, the lyrics will appear in its display.

General MIDI

The General MIDI is a set of recommendations which seeks to provide a way to go beyond the limitations of proprietary designs, and standardize the MIDI capabilities of sound generating devices. Sound generating devices and music files that meets the General MIDI standard bears the General MIDI logo. Music files bearing the General MIDI logo can be played back using any General MIDI sound generating unit to produce essentially the same musical performance.

General MIDI 2

The upwardly compatible General MIDI 2 recommendations pick up where the original General MIDI left off, offering enhanced expressive capabilities, and even greater compatibility. Issues that were not covered by the original General MIDI recommendations, such as how sounds are to be edited, and how effects should be handled, have now been precisely defined. Moreover, the available sounds have been expanded. General MIDI 2 compliant sound generators are capable of reliably playing back music files that carry either the General MIDI or General MIDI 2 logo.

In some cases, the conventional form of General MIDI, which does not include the new enhancements, is referred to as "General MIDI 1" as a way of distinguishing it from General MIDI 2.

GS Format

The GS Format is Roland's set of specifications for standardizing the performance of sound generating devices. In addition to including support for everything defined by the General MIDI, the highly compatible GS Format additionally offers an expanded number of sounds, provides for the editing of sounds, and spells out many details for a wide range of extra features, including effects such as reverb and chorus. Designed with the future in mind, the GS Format can readily include new sounds and support new hardware features when they arrive. Since it is upwardly compatible with the General MIDI, Roland's GS Format is capable of reliably playing back GM Scores equally as well as it performs GS music files (music files that have been created with the GS Format in mind).

XG lite

XG is a tone generator format of YAMAHA Corporation, that defines the ways in which voices are expanded or edited and the structure and type of effects, in addition to the General MIDI 1 specification. XGlite is a simplified version of XG tone generation format. You can play back any XG music files using an XGlite tone generator. However, keep in mind that some music files may play back differently compared to the original files, due to the reduced set of control parameters and effects.

Recreational Keyboard
Model RK-300

MIDI Implementation Chart

Date : Sep 1, 2008
Version : 1.00

Function...		Transmitted	Recognized	Remarks
Basic	Default	1	1–16	
Channel	Changed	1–16	1–16	
Mode	Default	Mode 3	Mode 3	
	Messages	x	Mode 3, 4(M=1)	* 2
	Altered	**********		
Note Number :	True Voice	15–113, 119–127 **********	0–127 0–127	
Velocity	Note ON	O	O	
	Note OFF	O	O	
After Touch	Key's	x	O *1	
	Ch's	x	O *1	
Pitch Bend		O *3	O	
Control Change	0, 32	O	O *1	Bank select
	1	x	O *1	Modulation
	5	x	O *1	Portamento time
	6, 38	x	O *1	Data entry
	7	O *3	O *1	Volume
	10	x	O *1	Panpot
	11	x	O *1	Expression
	64	O	O *1	Hold 1
	65	x	O *1	Portamento
	66	O	O *1	Sostenuto
	67	O	O *1	Soft
	74	O *3	O	Cutoff
	84	x	O	Portamento control
	91	O	O (Reverb)	Effect1 depth
	93	x	O (Chorus)	Effect3 depth
	98, 99	x *1	O *1	NRPN LSB, MSB
	100, 101	x *1	O *1	RPN LSB, MSB
Prog Change	: True #	0–127 **********	O 0–127	Program number 1–128
System Exclusive		O	O	
System Common	: Song Pos	x	x	
	: Song Sel	x	x	
	: Tune	x	x	
System Real Time	: Clock	O	x	
	: Commands	O	x	
Aux Message	: All sound off	x	O (120, 126, 127)	
	: Reset all controllers	x	O	
	: Local Control	x	O	
	: All Notes OFF	x	O (123–125)	
	: Active Sense	O	O	
	: Reset	x	x	
Notes		* 1 O x is selectable by Sys Ex. * 2 Recognized as M=1 even if M≠1. *3 Transmitted when V-Link is switched On.		

Mode 1 : OMNI ON, POLY
Mode 2 : OMNI ON, MONO
Mode 3 : OMNI OFF, POLY
Mode 4 : OMNI OFF, MONO

O : Yes
X : No

Specifications

RK-300: VIMA Recreational Keyboard

<Keyboard> 88 keys (PHA II with Escapement)	
Touch Sensitivity	Touch: 100 levels/Fixed Touch (level adjustable) Hammer Response: Off, 1 to 10
Keyboard Mode	Whole, Layer (volume balance adjustable), Split (split point adjustable), Manual Drums/SFX, Twin Piano
<Sound Generator> 88 keys stereo multi-sampling piano sound, conforms to GM2 / GS / XG lite	
Max. Polyphony	128 voices
Tones	330 tones (including 8 drum sets, 1 SFX set)
Temperament	8 types (Equal, Just (Major), Just (Minor), Arabic, Kirnberger, Meantone, Pythagorean, Werkmeister), selectable tonic
Stretched Tuning	On, Off
Master Tuning	415.3 Hz to 466.2 Hz (adjustable in increments of 0.1 Hz)
Transpose	Key Transpose: -6 to +5 (in semitones) Playback Transpose: -6 to +5 (in semitones)
Effects	Reverb (10 levels) Dynamics (3 types) Tone effects Only for Piano Tones: Open/close lid (7 levels) Hammer Noise (5 levels) Damper Noise (10 levels) Duplex Scale (10 levels) Damper Resonance (10 levels) String Resonance (10 levels) Key Off Resonance (10 levels)
<Metronome>	
Tempo	Quarter note = 10 to 500
Beat	2/2, 0/4, 2/4, 3/4, 4/4, 5/4, 6/4, 7/4, 3/8, 6/8, 9/8, 12/8
Volume	0 –10 levels
Pattern	11 patterns
Sound	8 types

<Player> Song Select, Reset, Play/Stop, Rec, Bwd, Fwd	
Tracks	1 Track
Songs	1 song
Note Storage	Approx. 30,000 notes
Resolution	120 ticks per quarter note
Recording Method	Realtime
Others	Melody (Mute, Guide) Count-in, Countdown 16 part Mute, Tempo Mute All Song Play Volume Balance, Center Cancel (only for audio playback)
<User Memory>	
External Storage	USB Flash Memory
Playable Software	Standard MIDI Files (Format 0/1) Roland Original Format (i-Format) Audio File (WAV 44.1kHz / 16bit Linear Format) MP3 File
Save Data	Standard MIDI Files (Format 0) Audio File (WAV 44.1kHz / 16bit Linear Format) Max. 99 User Program Sets
<External Memory>	
External Storage	USB Flash Memory USB CD Drive
Playable Software	Standard MIDI Files (Format 0/1), Roland Original Format (i-Format), Audio File (WAV 44.1kHz / 16bit Linear Format), MP3 File Audio CDs (CD-DA)
Save Data	Standard MIDI Files (Format 0), Audio File (WAV 44.1kHz / 16bit Linear Format) Max. 99 User Program Sets
<Internal Songs>	
Internal Songs	75 songs + 3 Demo Songs
<Display>	
Display	Graphical Color LCD 800 x 480 dot (with backlit)
Notation	Grand staff / G clef staff / F clef staff, with note name / lyrics / chords/ fingering
Lyrics	Yes (built-in, external display)
Languages	English / Japanese / German / French / Spanish

<Other Functions>	
User Program	8 User Programs Max. 99 User Program Sets
Others	Panel Lock V-LINK Piano Designer Demo Recommended Tone Slide Show Piano Roll ANIME
<Connectors>	
USB Connectors	USB MIDI Connector, USB Ext Drive Connector, User Memory Connector, Ext Memory Connector
External Display Connectors	External Display connector (15-pin D-Sub type)
Other Connectors	Audio Output Jacks (L/Mono, R) Output Jacks (Video, L, R) DVD Input Jacks (Video, L, R) Audio/Video Port Jacks (Video, L, R) Phones Jack (Stereo) x 2 Mic1/Guitar Jack Mic2 Jack MIDI Connectors (IN, OUT) Piano Pedal Jack Control Pedal Jack
<Others>	
Rated Power Output	15W x 2
Speakers	8 cm x 12cm x 2 with Speaker Box
Control	Volume, Balance, Mic 1/Guitar volume, Mic 2 volume, DVD Input volume, Audio/Video Port volume
Vocal Effects	Auto Harmony (3 types) Transformer (9 types) Vocal Echo (2 types)
Guitar Effects	Effect (5 types) Chorus (10 levels) Reverb (10 levels)
Pedals	Damper (half-pedal recognition), Soft (half-pedal recognition, function assignable), Sostenuto (function assignable)
D Beam	Pitch, Filter, Volume, Snare Roll, Applause, Wind Chime
Power Supply	AC 115 V, AC 117 V, AC 220 V, AC 230 V, AC 240 V (50 / 60 Hz)
Power Consumption	140 W
Dimensions	1368 (W) x 476 (D) x 340.4 (H) mm (with Music Rest) 53-7/8 (W) x 18-3/4 (D) x 13-7/16 (H) inches 1368 (W) x 446.1 (D) x 159.9 (H) mm (without Music Rest) 53-7/8 (W) x 17-9/16 (D) x 6-5/16 (H) inches

Weight	33.0 kg / 72 lbs 13 oz
Accessories	Quick Start Owner's Manual Roland 60 Classical Piano Masterpieces CD-ROM (Roland Music Files Best Selection) Power cord Headphones Hook Music Rest 2 screws for the Music Rest Remote Controller Dry-cell Batteries Anti-theft Lock Pedal (available Half-damper) Console Cover Drum Key-Map Label USB Flash Memory CD Stand (with 2 screws, Spacer) USB CD Drive: CD-01A
Options	Dedicated Stand: KSC-48 Stand: KS-G8 Expression Pedal: EV-5, EV-7

* In the interest of product improvement, the specifications and/or appearance of this unit are subject to change without prior notice.

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Index

A

AC Adaptor 30–31
AC IN 23, 28
AC OUT 23, 28
ANALOG RGB OUT Connector 23, 39
ANIME 128–129
[ANIME] Button 21, 128
Audio Equipment 196
AUDIO OUTPUT Jacks 23
Audio Play Level 174
Audio Port Mode 186
Audio Port Sync 186
Audio Recording 146
Audio Recording Gain 174
AUDIO/VIDEO PORT 185
[AUDIO/VIDEO PORT] Button 21, 127
[AUDIO/VIDEO PORT] Jacks/Knob 126–127, 135

B

Background 180
Backing Choir 182
Backing Choir Level 182
[BALANCE] Knob 20, 98, 102
Battery 35
Beat 138
Blank Screen 176
Brilliance 45
Button] 21

C

Cabinet 178
CD 72, 185
CD Drive 30, 36, 72
CD drive 154
CD Tray 31
CD/Audio Sync 186
CD/Audio Type 186
CENTER CANCEL 110
Chord Indications 135
Chorus 134
Connecting
  Audio Equipment 196–197
  CD Drive 30
  Computer 199
  Control Pedal 29, 106
  Digital Camera 120
  Electronic Drums 135
  External Display 39
  External Memory 36
  External Speaker 196
  Guitar 132
  Microphone 101
  MIDI Equipment 198
  Piano Pedal 29
  Power Cord 28
  Speaker Cable 28
  Television 39
  User Memory 32
Control Pedal 106, 172
CONTROL PEDAL Jack 23, 29
Controller 171
Copy 80
  "Favorites" to USB memory 152
  Internal Song 80
  Songs from a Music CD 82
  Songs from CD-ROM 80
  Songs from USB Memory 80
[COPY/SAVE] Button 21, 81, 83, 117, 144, 153, 155
Copying
  Favorites 36
Count 96–97
Count Down 96
Count In 96
Count In Sound 97
Count Mode 97

D

D BEAM 20, 67–68, 129
D Beam Controller 67, 129
  ANIME 129
D Beam Sensitivity 171
Damper Noise 50
Damper Pedal 29
Damper Resonance 50
DC IN Jack 30–31
Delete
  Song from "Favorites" 87
  Song from USB Memory 79
[DELETE] Button 21, 79, 87, 118
Demo 42
DIGISCORE 93–94
[DIGISCORE] Button 21, 93
Digital Camera 120
Display 21
Display Brightness 37
Door 178
Drum Key-Map Label 56
[DRUMS] button 55
Duplex Scale 50
[DVD] Button 21
DVD INPUT Jacks 23, 124
[DVD INPUT] Knob 22, 124–125
DVD Player 124
Dynamics 47

E

Echo 108, 182
[ECHO] Button 20, 108
Echo Type 182
Effects 104, 106
[EFFECTS] Button 20, 104–105, 133–134
Eject Button 75
Emergency Eject Hole 75
Ensemble 132, 135, 146
[EXIT] Button 21
EXT DRIVE Connector 23, 30–31
EXT MEMORY Connector ... 22, 36, 120, 122
Ext. Drive Mode 189
Ext. Memory Mode 189
External Display 39
External Memory 36
  Initializing 192
External Speaker 196

F

Factory Reset 194
[SLOW] 88
Favorites 80, 85, 92, 144
  Copy 36, 80
  Delete a Song 87
Finalization 154, 190
Finalize 190
Fix Velocity 184
Folder 74, 77
Format External Memory 192
Format User Memory 193
Formatting
  User Memory 34
Frame 180
FUNC 1 185
FUNC2 185

G

General MIDI 216
General MIDI 2 216
Gradation 179–180
GS 216
GS Format 216
Guide 100, 112
[GUIDE] Button 22, 100, 112
Guitar-type Effect 133

H

Hammer Noise 54
Hammer Response 53
Harmony 104
Harmony Level 104
Headphone Hook 38
Headphones 38

I

Included CD 36
Initializing
  External Memory 192
  User Memory 193
[INPUT] Button 20, 101, 132
INSTRUMENT Buttons 22
Internal Song 70
Interval 181

J

Jack Panel Cover 26, 28

K

KEY CONTROL 21, 109
Key Control 183
Key Control Information 24
Key Off Resonance 51
Key Touch 53
Key Touch Offset 53
KSC-48 26
KS-G8 26–27

L

Language 183
Layer Performance 61, 63
Left Pedal/Center Pedal 171
Lid 54
Local Control 187
Local Off 188
Local On 187
Location 69
Logo 179
Lower 177
Lyrics 103
[LYRICS] Button 21, 103

M

Main Screen 24
Master Tuning 51

Measure Display 178
MELODY 22
Melody 99–100, 111–112
  Guide 100, 112
  Mute 99, 111
Melody Channel 173
Menu Button 25
Metronome 137
Metronome Sound 138
[MIC 1] Knob 20, 133
MIC 1/GTR Jack 22, 101, 132
MIC 2 Jack 22
[MIC 2] Knob 20
Microphone 101–102
MIDI 187, 198
MIDI IN Connector 23
MIDI OUT Connector 23
Music CD 154
Music Files 216
Music Rest 32
Mute 99, 111
[MUTE/CENTER CANCEL] Button
..... 22, 99, 110–111, 125, 127

O

OUTPUT Jacks 23

P

Panel Lock 195
Part 177
Part Mute 136
Pattern 138
Performing
  Layer Performance 61
  Piano 44
  Playing Percussion Instruments 55
  Playing Sound Effects 55
  Playing Various Sounds 55
  Recommended Tone 95
  Split Performance 64
  Twin Piano 60
Phones Jack 38
Phones Jacks 22
Piano Designer 48
Piano Pedal 29
PIANO PEDAL Connector 23, 29
Piano Roll 130
[PIANO ROLL] Button 21, 130
Piano Roll Screen 178–179
Piano Roll Split 175
Picture Category 115, 118
Pitches 177
Play Mode 173
[PLAY/STOP] Button 71, 74, 77, 86
Playback
  CD 72
  Favorites 85
  Internal Song 70
  Recorded Performance 141, 143
Playback Speed 88
Playbeck
  USB Memory 76
PLAYER 22
Player 173
Portable Audio/Video Player 126
Power Cord 28
[Power ON] Switch 33
POWER Switch 30–31

R

[REC] Button 140, 142, 146, 149
Recommended Tone 95
Recording 139, 149
  Audio Recording 146
  Layering Onto the Playback 149
  SMF Recording 140
  You Played Along With a Song 142
Remote 35, 90, 184
  Button Functions 91
Remote Control 185
Remote Sensor 22, 90
Reverb 46, 134

S

Saving 139
  Recorded Performance 144
Scroll Bar 25
Slide Show 114–115, 181
  Digital Camera Photos 120
  Internal Songs or VIMA TUNES 114
  Photos Saved on USB Memory 122
[SLIDE SHOW] Button 21, 114, 121–123
Buttons 88
SMF Music Files 216
SMF Recording 140
SMF with Lyrics 216
Soft Pedal 29
SONG 21
Song
  CD 72
  Favorites 85
  Internal Song 70
  USB Memory 76, 79
Song Information 24
Song List 25
Song Location 24
Sostenuto Pedal 29
Sound Effect 68
SPEAKER Connector 23, 28
Split Performance 64
Split Point 64, 66
Start Position 177
Stretch Tuning 52
String Resonance 51
Sync 181
System 183

T

Television 39
Temperament 52
Temperament Key 52
TEMPO 21
Tempo 88–89
Tempo Mute 89
Tone Buttons 25, 44
Tone Name Order 184
Touch Screen 191
Transformer 105
Twin Piano 60
Twin Piano Button 25
Twin Piano Mode 183
Tx Channel 187
Type 181

U

Upper 177
USB 188
USB Driver 189
USB Memory 76, 79, 122
  Formatting 34
USB MIDI Connector 23, 199
User Category 116, 118
User Memory 32, 34, 80
  Initializing 193
USER MEMORY Connector 23, 32, 146
USER MEMORY Connector Cover 35
User Memory Mode 189
User Program 157
  Copying 166
  Deleting 168
  Loading 164
  Pedal Control 170
  Saving 161
  Selecting 160
  Storing 158
User Tone 57, 59

V

Video 174
Video Function Select Buttons 21
Video Monitor 41
[VIDEO MONITOR] Button 21, 41–42
Video Output Destination 40
VIDEO OUTPUT Jack 39
Video Type 175
Viewpoint 180
VIMA TUNES 216
[V-LINK] Button 21
V-LINK 200
[V-LINK] Button 200
VOCAL 20
Vocal 182
Vocal Effect 104, 106
Volume
  Guitar 133
  Metoronome 137
  Microphone 102
  Overall Volume 34
Volume Balance
  Layer Performance 63
  Song and Keyboard 98
[VOLUME] Knob 20, 34, 38, 102

X

XG lite 216

Z

Zoom/Pan 123
[ZOOM/PAN] Button 21, 123

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Cra 43 B No 25 A 41 Bododega 9
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EL SALVADOR
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75 Avenida Norte y Final Alameda Juan Pablo II,
Edificio No.4010 San Salvador,
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GUATEMALA
Casa Instrumental
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97200 Fort De France
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1 Cuadra al Lago.#503
Managua, Nicaragua
TEL: (505)277-2557

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Boulevard Andrews, Albrook,
Panama City, REP. DE PANAMA
TEL: 315-0101

PARAGUAY
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J.E. Olear y ESQ. Manduvira
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TEL: (212) 244-1122

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HR - 10000 Zagreb
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CZ - 180 00 PRAHA 8,
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155, New National Road
Patras 26442, GREECE
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PL-03 664 Warszawa
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SULTANATE OF OMAN
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Prince Turkey Street
aDawliah Building,
PO BOX 2154,
Alkhobar 31952
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Rawda, Abdul Qader Jazairi St.
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U. S. A.
Roland Corporation U.S.
5100 S. Eastern Avenue
Los Angeles, CA 90040-2938,
U. S. A.
TEL: (323) 890 3700

As of Oct. 1, 2007 (ROLAND)

For EU Countries

UK This symbol indicates that in EU countries, this product must be collected separately from household waste, as defined in each region. Products bearing this symbol must not be discarded together with household waste.

DE Dieses Symbol bedeutet, dass dieses Produkt in EU-Ländern getrennt vom Hausmüll gesammelt werden muss gemäß den regionalen Bestimmungen. Mit diesem Symbol gekennzeichnete Produkte dürfen nicht zusammen mit den Hausmüll entsorgt werden.

FR Ce symbole indique que dans les pays de l'Union européenne, ce produit doit être collecté séparément des ordures ménagères selon les directives en vigueur dans chacun de ces pays. Les produits portant ce symbole ne doivent pas être mis au rebut avec les ordures ménagères.

IT Questo simbolo indica che nei paesi della Comunità europea questo prodotto deve essere smaltito separatamente dai normali rifiuti domestici, secondo la legislazione in vigore in ciascun paese. I prodotti che riportano questo simbolo non devono essere smaltiti insieme ai rifiuti domestici. Ai sensi dell'art. 13 del D.Lgs. 25 luglio 2005 n. 151.

ES Este símbolo indica que en los países de la Unión Europea este producto debe recogerse aparte de los residuos domésticos, tal como esté regulado en cada zona. Los productos con este símbolo no se deben depositar con los residuos domésticos.

PT Este símbolo indica que nos países da UE, a recolha deste produto deverá ser feita separadamente do lixo doméstico, de acordo com os regulamentos de cada região. Os produtos que apresentem este símbolo não deverão ser eliminados juntamente com o lixo doméstico.

NL Dit symbool geeft aan dat in landen van de EU dit product gescheiden van huishoudelijk afval moet worden aangeboden, zoals bepaald per gemeente of regio. Producten die van dit symbool zijn voorzien, mogen niet samen met huishoudelijk afval worden verwijderd.

DK Dette symbol angiver, at i EU-lande skal dette produkt opsamles adskilt fra husholdningsaffald, som defineret i hver enkelt region. Produkter med dette symbol må ikke smides ud sammen med husholdningsaffald.

NO Dette symbolet indikerer at produktet må behandles som spesialavfall i EU-land, iht. til retningslinjer for den enkelte regionen, og ikke kastes sammen med vanlig husholdningsavfall. Produkter som er merket med dette symbolet, må ikke kastes sammen med vanlig husholdningsavfall.

SE Symbolen anger att i EU-länder måste den här produkten kasseras separat från hushållsavfall, i enlighet med varje regions bestämmelser. Produkter med den här symbolen får inte kasseras tillsammans med hushållsavfall.

FI Tämä merkintä ilmaisee, että tuote on EU-maissa kerättävä erillään kotitalousjätteistä kunkin alueen voimassa olevien määräysten mukaisesti. Tällä merkinnällä varustettuja tuotteita ei saa hävittää kotitalousjätteiden mukana.

HU Ez a szimbólum azt jelenti, hogy az Európai Unióban ezt a terméket a háztartási hulladéktól elkülönítve, az adott régióban érvényes szabályozás szerint kell gyűjteni. Az ezzel a szimbólummal ellátott termékeket nem szabad a háztartási hulladék közé dobni.

PL Symbol oznacza, że zgodnie z regulacjami w odpowiednim regionie, w krajach UE produktu nie należy wyrzucać z odpadami domowymi. Produktów opatrzonych tym symbolem nie można utylizować razem z odpadami domowymi.

CZ Tento symbol udává, že v zemích EU musí být tento výrobek sbírán odděleně od domácího odpadu, jak je určeno pro každý region. Výrobky nesoucí tento symbol se nesmí vyhazovat spolu s domácím odpadem.

SK Tento symbol vyjadruje, že v krajinách EÚ sa musí zber tohto produktu vykonávať oddelene od domového odpadu, podľa nariadení platných v konkrétnej krajine. Produkty s týmto symbolom sa nesmú vyhadzovať spolu s domovým odpadom.

EE See sümbol näitab, et EL-i maades tuleb see toode olemprügist eraldi koguda, nii nagu on igas piirkonnas määratletud. Selle sümboliga märgitud tooteid ei tohi ära visata koos olmeprügiga.

LT Šis simbolis rodo, kad ES šalyse šis produktas turi būti surenkamas atskirai nuo buitinių atliekų, kaip nustatyta kiekviename regione. Šiuo simboliu paženklinti produktai neturi būti išmetami kartu su buitinėmis atliekomis.

LV Šis simbols norāda, ka ES valstīs šo produktu jāievāc atsevišķi no mājsaimniecības atkritumiem, kā noteikts katrā reģionā. Produktus ar šo simbolu nedrīkst izmest kopā ar mājsaimniecības atkritumiem.

SI Ta simbol označuje, da je treba proizvod v državah EU zbirati ločeno od gospodinjskih odpadkov, tako kot je določeno v vsaki regiji. Proizvoda s tem znakom ni dovoljeno odlagati skupaj z gospodinjskimi odpadki.

GR Το σύμβολο αυτό υποδηλώνει ότι στις χώρες της Ε.Ε. το συγκεκριμένο προϊόν πρέπει να συλλέγεται χωριστά από τα υπόλοιπα οικιακά απορρίμματα, σύμφωνα με όσα προβλέπονται σε κάθε περιοχή. Τα προϊόντα που φέρουν το συγκεκριμένο σύμβολο δεν πρέπει να απορρίπτονται μαζί με τα οικιακά απορρίμματα.

For China

有关产品中所含有害物质的说明

本资料就本公司产品中所含的特定有害物质及其安全性予以说明。

本资料适用于 2007 年 3 月 1 日以后本公司所制造的产品。

环保使用期限

此标志适用于在中国国内销售的电子信息产品，表示环保使用期限的年数。所谓环保使用期限是指在自制造日起的规定期限内，产品中所含的有害物质不致引起环境污染，不会对人身、财产造成严重的不良影响。

环保使用期限仅在遵照产品使用说明书，正确使用产品的条件下才有效。

不当的使用，将会导致有害物质泄漏的危险。

产品中有毒有害物质或元素的名称及含量

部件名称	有毒有害物质或元素					
	铅(Pb)	汞(Hg)	镉(Cd)	六价铬(Cr(VI))	多溴联苯(PBB)	多溴二苯醚(PBDE)
外壳（壳体）	×	○	○	○	○	○
电子部件（印刷电路板等）	×	○	×	○	○	○
附件（电源线、交流适配器等）	×	○	○	○	○	○

○：表示该有毒有害物质在该部件所有均质材料中的含量均在 SJ/T11363-2006 标准规定的限量要求以下。

×：表示该有毒有害物质至少在该部件的某一均质材料中的含量超出 SJ/T11363-2006 标准规定的限量要求。

因根据现有的技术水平，还没有什么物质能够代替它。

For EU Countries

This product complies with the requirements of EMCD 2004/108/EC and LVD 2006/95/EC.

For the USA

FEDERAL COMMUNICATIONS COMMISSION RADIO FREQUENCY INTERFERENCE STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

Unauthorized changes or modification to this system can void the users authority to operate this equipment.
This equipment requires shielded interface cables in order to meet FCC class B Limit.

For Canada

NOTICE

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

AVIS

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

For C.A. US (Proposition 65)

WARNING

This product contains chemicals known to cause cancer, birth defects and other reproductive harm, including lead.

For the USA

DECLARATION OF CONFORMITY Compliance Information Statement

Model Name :	RK-300
Type of Equipment :	Digital Piano
Responsible Party :	Roland Corporation U.S.
Address :	5100 S. Eastern Avenue, Los Angeles, CA 90040-2938
Telephone :	(323) 890-3700

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