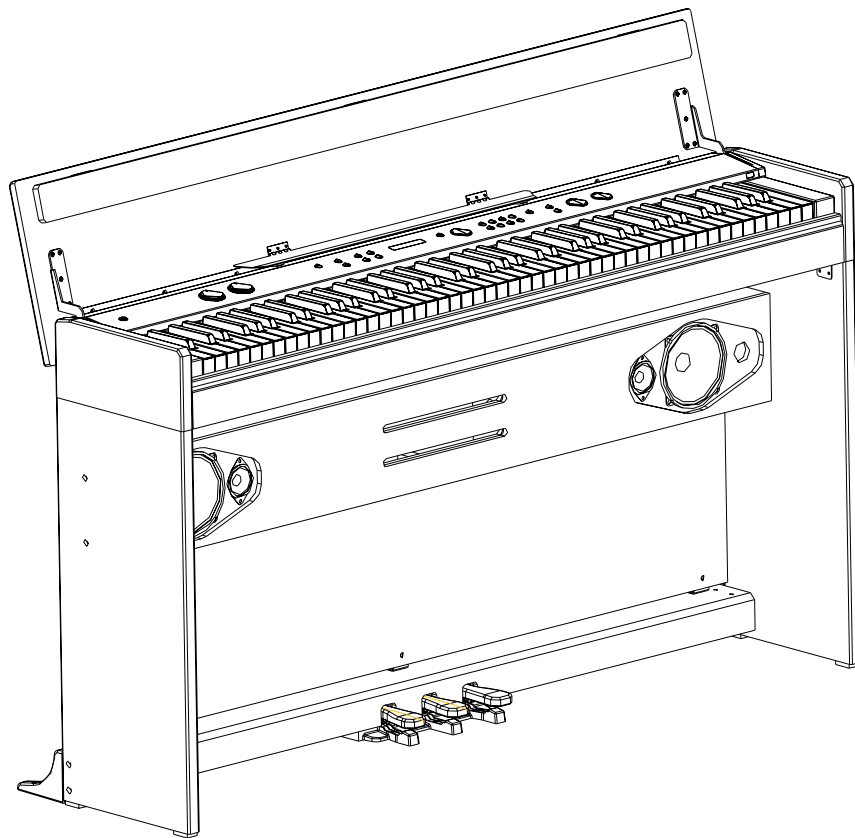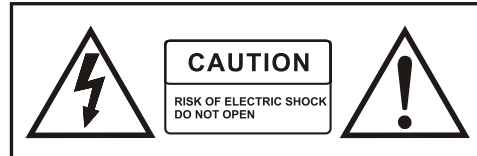# Artesia

A-20

Owner's Manual

Virgin Musical Instruments

Digital Piano
Precaution

Thank you for purchasing this digital instrument.For perfect operation and security,please read the manual carefully and keep it for future reference.

Safety Precautions

CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

The lightning flash with arrowhead symbol within an equilateral triangle is in Tended 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.

Important Safety Instructions

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 dry cloth.
7) Do not block any ventilation openings,install in accordance with the manufacturer s 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 hase 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.

(Figure 1)

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 (Figure 1).
13) Unplug this apparatus during lightning storms or when unused for a long periods fo 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.

WARNING:To reduce the risk of fire or electric shock,do not expose this apparatus to rain or moisture.
CAUTION:Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids,such as vases,shall be placed on the apparatus.

Thank you for choosing the A-20 Digital Piano

Your A-20 is a high quality digital piano featuring an 88 note hammer action, touch sensitive keyboard and the most advanced PCM tone generation technology that combined will provide you with a rich performing and playing experience. You can also record your own performances or record your own accompaniment to play along to. The A-20 is more than great technology, your digital piano is also a stylish piece of furniture that will look great anywhere in your home. To get the most out of your instrument, please read this manual thoroughly and try out the various functions as we take you through them. We hope your new instrument will continue to entertain you for many years to come.
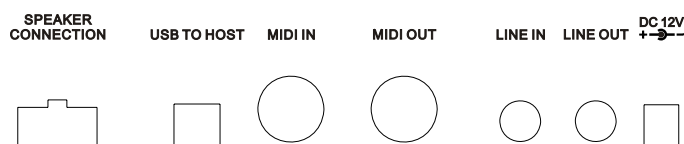
Contents

Bottom Panel

SPEAKER CONNECTION

USB TO HOST

MIDI IN

MIDI OUT

LINE IN   LINE OUT

DC 12V

PEDAL

Top Panel

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+ /YES   - /NO

GRAND PIANO BRIGHT PIANO
HARPSICHORD N.GUITAR

E.PIANO 1 E.PIANO 2
STRINGS CHOIR

VIBES R.REP
UPRIGHT BASS ELECTRIC BASS

ROCK ORGAN CHURCH ORGAN
VIBRATION USER

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TONE
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PHONES 2

PHONES 1

CONNECTOR PANEL

The connector jacks are located on the bottom panel of the piano.

SPEAKER CONNECTION   USB TO HOST   MIDI IN   MIDI OUT   LINE IN   LINE OUT   DC 12V

1. Speaker Connection

Connection for the Speaker cable with square interface on the bottom panel of the piano.

2. USB Midi/USB Audio

USB MIDI：This product allows the transfer of MIDI information over USB to a computer. As complicated this might sound, it's actually pretty straight forward. Because your RP-28 is USB Class Compliant, there is no need to install a driver to enable it to work with computer running OSX, Windows XP, Vista or Windows 7. Simply just plug it in and the OS will do the rest. The RP-28 will work with all standard MIDI based computer software.

USB Audio interface is a digital audio interface. By USB cable, you can digitally transfer intact audio signals of PC to this instrument, and enjoy it on this instrument or use it for accompanywhen you play this instrument; likewise, you can transfer intact audio signals of the instrument to PC to record and edit music.

3. Midi In/Midi Out

The Piano provides MIDI IN and MIDI OUT ports. MIDI jacks allow communication with other products equipped with MIDI interfaces.

4. Line In/Line Out

The audio output from other sound system connected to the LINE IN jack on the bottom panel can be mixed with the sound of the unit. This function is convenient when you want to play along with a favourite song. The Line out jack can be used to deliver the output of the piano to a keyboard amplifier, stereo sound system, mixing console or tape recorder.

5. DC 12V Input

Connection for the included DC power adapter.Please use only the provided adapter.

6.Phones 1/Phones 2

Two sets of standard stereo headphones can be plugged in here for private practice or late-night playing. The internal speaker system is automatically shut off when a pair of headphones is plugged into PHONES jacks.

PHONES 2

PHONES 1
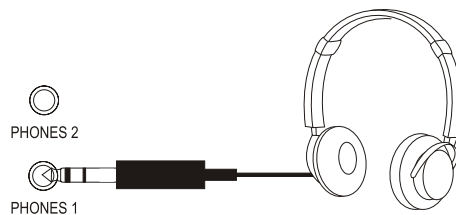
7. Pedal

Connect the plug of the foot pedal unit to the pedal jack on the bottom panel.

Damper Pedal (Right): It performs the same function as the damper pedal on an actual acoustic piano, letting you sustain the sound of the voices even after releasing your fingers from the keys.

Sostenuto Pedal (Center): If you play a note or chord on the keyboard and press the sostenuto pedal while the notes are held, those notes will be sustained as long as the pedal is held, but all subsequently played notes will not be sustained.

Soft Pedal (Left): The Soft Pedal controls the sound volume. Press the pedal to decrease the output sound volume.

8. Bluetooth

This piano can support Bluetooth with the Connection of the Bluetooth jack. Reference: Bluetooth.

Bluetooth

PANEL CONTROLS

1. Power/Standby

Turn the power on by pressing the [POWER/STANDBY] switch, the panel LCD display will light.


```
GRAND PIANO
```
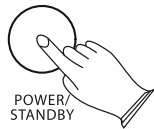
Auto Standby

This product will switch off automatically in 30 minutes after no any operation on it. In this case, press the [POWER/STANDBY] button to off mode, and press the [POWER/STANDBY] button again to turn the power switch on.

Deactivate the Auto Standby function

Hold the first white key and first black key on the left side of the keyboard at the same time and then turn on the unit to deactivate the Auto Standby function.

2. Adjust The Volume

Use [VOLUME] control to adjust the volume to your desired level.

3. Adjust The Sound

Use [TONE] control to adjust the volume to your desired level.

4. Demo Play

There are 16 demo songs pre-recorded in the piano.
A demo song may be selected for playing by either of two methods:

a.Use [+/YES] / [-/NO]Buttons: Press [DEMO] button, Use [+/YES] / [-/NO] buttons to select the song you want to play. The [DEMO] and voice buttons will flash .

```
 ▌▌GRAND PIANO▌▌▌
*** ▌DEMO:01 ***
```

b.Voice Select Button: Press the [DEMO] button,then press the desired Voice Select button. The [DEMO] and voice buttons will flash .

```
 ▌▌GRAND PIANO▌▌▌
*** ▌DEMO:01 ***
```

NOTE

The Main voice will sychronous change when demo changes .

Press [DEMO] button again to stop playing.

5. LCD Display
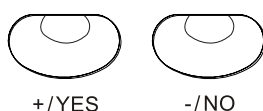
The LCD will display the appropriate status, function,value, voice or the current mode of operation.

6. [SETUP] Button

The [SETUP] button transfers the piano to Edit mode, enabling the modification of the parameters of many features such as touch sensitivity, splits, layers and MIDI control, among others.

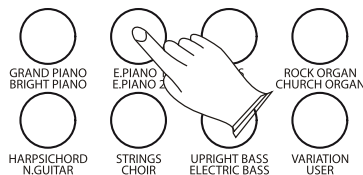## 7. [+ / YES] & [- / NO]

Parameter adjusting button.

+/YES   -/NO

VOICE & FUNCTION

1. Voice

Selecting A Voice

Your instrument has 14 built-in voices, which include several pianos as well as other instruments. These digitally-sampled musical instrument sounds may be selected one at a time.

GRAND PIANO   E.PIANO 1   ROCK ORGAN
BRIGHT PIANO   E.PIANO 2   CHURCH ORGAN

HARPSICHORD   STRINGS   UPRIGHT BASS   VARIATION
N.GUITAR   CHOIR   ELECTRIC BASS USER

To select a voice, press the appropriate Voice Select button on the right side of the front panel.
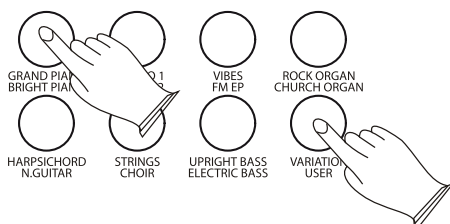
> ### NOTE
> When [VARIATION/USER] button is unlighted, you can press the appropriate button to select the voice in the first line.
> When [VARIATION/USER] button is lighted, you can press the appropriate button to select the voice in the second line.

Setting A Voice

Your instrument has 128(01-128) GM standard voices. Press [VARIATION/USER] button 2 seconds, the user indicator is flashing.

In USER voice Mode, Hold down the appropriate voice select button for 2 seconds, then the [VARIATION/USER] and voice button is flashing, use [+ / YES] / [- / NO] buttons to set the voice you want to set into the direct user voice .


GRAND PIA   VIBES   ROCK ORGAN
BRIGHT PIA   FM EP   CHURCH ORGAN

HARPSICHORD   STRINGS   UPRIGHT BASS   VARIATIO
N.GUITAR   CHOIR   ELECTRIC BASS USER

`GRAND PIANO`

Save User Voice

In user mode, press the appropriate voice select button again to save user voice.

Press [VARIATION/USER] button again to exit.

2. Layer Mode

In Layer mode two voices may be played simultaneously, each at selected volumes. To enter Layer mode by either of two methods: a. press [LAYER] button and the indicator is flashing, then press the voice button to select the second voice.


```
G.PNO  +E.PNO1
```
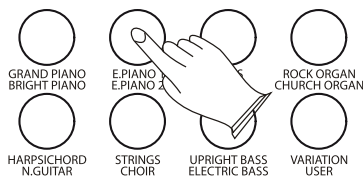
b. In Layer mode, hold down [LAYER] button and the indicator is flashing, then use [+ / YES] / [- / NO] buttons to select the second voice.

When [LAYER] button is lit, press the voice button to select the MAIN sound.


```
E.PNO1 +STRINGS
```
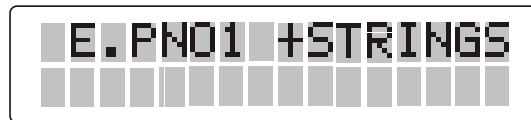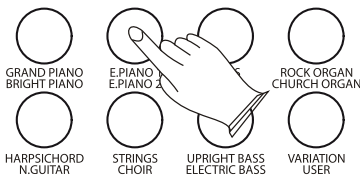
To adjust the volume of the Main voice and layer voice,please refer to [SETUP] function, see page 16.

Press [LAYER] button again to exit.

Split Mode allows the keyboard to be divided into two sections so that different voices may be played with the left and right hands.

The volume may be independently adjusted for eachvoice, the Split Point (the highest note played with the left hand) may be adjusted and the Split Voice may be changed as desired.
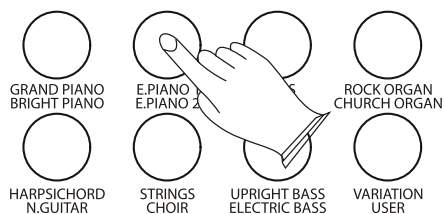
Enter Split Mode
Press the [SPLIT] button. The indicator is flashing. The Split (left hand) voice will be Bass and the Split Point will be G2.
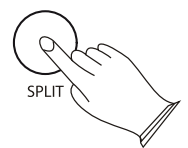
Change the Split (left hand) voice
Change the Split (left hand) voice by either of two methods:
a. Press [SPLIT] button, the Split indicator is flashing, then press the voice select button to select the left hand voice.

GRAND PIANO
BRIGHT PIANO

E.PIANO 1
E.PIANO 2

ROCK ORGAN
CHURCH ORGAN

HARPSICHORD
N.GUITAR

STRINGS
CHOIR

UPRIGHT BASS
ELECTRIC BASS

VARIATION
USER

```
GRAND PIANO
ELECTRIC PIANO1
```

b. In Split Mode, hold down [SPLIT] button and the indicator is flashing, then use [+ / YES] / [- / NO] buttons to select the left hand voice.

Change the Main (right hand) voice

When the Split indicator is lighted, then press the voice select button to select the Main voice.

```
ELECTRIC PIANO1
ELECTRIC PIANO2
```
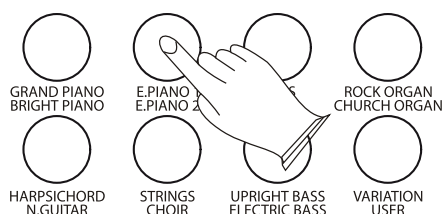
Change the Split Point

Press the [SPLIT] button, the indicator will momentarily display off, then hold down the [SPLIT] button and press the appropriate piano key or use [+ / YES] / [- / NO] buttons to change the Split Point.

```
  GRAND PIANO
 SPLITPOINT:40
```
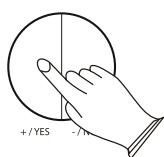
Or press [SETUP] button to change it, see page 17.

Setting the Split Voice Volume

Please refer to [SETUP] function, see page 16.
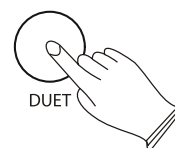
Exit the Split Mode

Press [SPLIT] again, the Split indicator turns off and the Split mode is no longer active.

4. Duet

Press the [DUET] button to select DUET mode. In this mode, the keyboard will be separated into two playing areas.
Right: from C#3 to C7
Left: from A-1 to C3

This will be very helpful when the instrument is used by two players at the same time and they will be able to play the same piano sound in the same octave.

Press [DUET] button again to exit the DUET mode.

5. Reverb

The [REVERB] button selects a number of digital reverb effects that you can use for extra depth and expressive power. Press [REVERB] button to turn off or turn on the reverb effect. When REVERB is turned on, press [REVERB] button 2 seconds, use [+ / YES] / [- / NO] button to select reverb level.

```
GRAND PIANO
R.LEVEL: 50
```
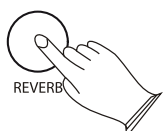
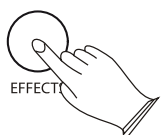Or press [SETUP] button to select reverb type and level. Please see pages 13 and 14.

6. Effects

Shimmering, broadening effect. Press [EFFECTS] button to turn off or turn on the CHORUS effect.

When EFFECTS is turned on, press [EFFECTS] button 2 seconds, use[+ / YES] / [- / NO] button to select CHORUS level.

```
GRAND PIANO
C.LEVEL: 50
```

Or press [SETUP] button to select chorus type and level. Please see pages 13 and 14.

7. Metronome

Metronome is a convenient feature for practice, and it can also provide a solid rhythmic guide when recording.

Press [METRONOME] button can turn off or turn on the Metronome effect. When Metronome is turned on,press [METRONOME] button 2 seconds, use [＋ / YES] / [- / NO]button to select Metronome volume (00-127) .


```
GRAND PIANO
METROVOL:100
```

Or press [SETUP] button to select Metronome type and volume. Please see page 15.

8. Tempo

This function allows you to set the tempo by [TEMPO] button.

Press [TEMPO] button to turn off or turn on the TEMPO effect.

Press [TEMPO] button, the indicator is lit, use [＋ / YES] / [- / NO]button to change the tempo value range from 20 to 280 BPM (beats per minute).
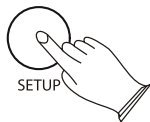


```
GRAND PIANO
TEMPO:120
```

SETUP

Press [SETUP] button to enter the function menu. Use [SETUP] button or [-/NO] button to select the function . Press [+/YES] button into the option, use [+/YES] / [-/NO] to set the parameter.

The option and the parameters are as the follows:

1. Reverb Type

Press [SETUP] button to enter the function menu. Use [SETUP] button or [-/NO] button to select [R.TYPE?]. Press [+/YES] into the option,the LCD will display:
R.TYPE：HALL2


```
██ GRAND PIANO ██
██ R.TYPE:HALL2 ██
```

Then use [+/YES] / [-/NO] to set the parameter (Default: HALL2).
The LCD will indicate these parameters as shown below:

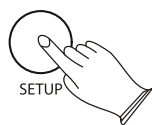| |
|---|
| R.TYPE： ROOM1 |
| R.TYPE： ROOM2 |
| R.TYPE： ROOM3 |
| R.TYPE： STAGE1 |
| R.TYPE： STAGE2 |
| R.TYPE： PLATE |
| R.TYPE： HALL1 |
| R.TYPE： HALL2 |

Press [+/YES] & [-/NO] buttons simultaneously to restore the default value.

2. Effects Type

Press [SETUP] button to enter the function menu. Use [SETUP] button or [-/NO] button to select [C.TYPE?]. Press [+/YES] into the option,the LCD will display:
C.TYPE：CHORUS3

```
██GRAND PIANO██
██C.TYPE:CHORUS3██
```

Then use [+/YES] / [-/NO] to set the parameter (Default: CHORUS3).
The LCD will indicate these parameters as shown below:

C.TYPE: CHORUS1
C.TYPE: CHORUS2
C.TYPE: CHORUS3
C.TYPE: CHORUS4
C.TYPE: FEEDBACK
C.TYPE: FLANGER
C.TYPE: SHTDELAY
C.TYPE: SHRTDLFB

Press [+/YES] & [-/NO] buttons simultaneously to restore the default value.

3. Reverb Level

Press [SETUP] button to enter the function menu. Use [SETUP] button or [-/NO] button to select [R.LEVEL?]. Press [+/YES] into the option,the LCD will display: R.LEVEL: 50.


```
██GRAND PIANO██
██R.LEVEL: 50██
```

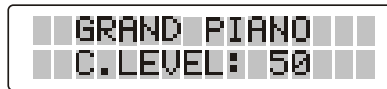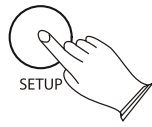Then use [+/YES] / [-/NO] button to adjust the REVERB level. Range: 00-127 (Default: 50).

Press [+/YES] & [-/NO] buttons simultaneously to restore the default value.

4. Effects Level

Press [SETUP] button to enter the function menu. Use [SETUP] button or [-/NO] button to select [C.LEVEL?]. Press [+/YES] button into the option, the LCD will Display: C.LEVEL: 50
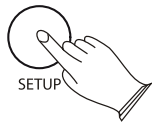
```
 ▌▌GRAND PIANO▌▌▌
 ▌▌C.LEVEL: 50▌▌
```

Then use [+/YES] / [-/NO] button to adjust the CHORUS level. Range: 00-127 (Default: 50).

Press [+/YES] & [-/NO] buttons simultaneously to restore the default value.

5. Metro Type

Press [SETUP] button to enter the function menu. Use [SETUP] button or [-/NO] button to select [METROTYPE?]. Press [+/YES] button into the option, the LCD will display: METROTYPE: 4/4.



```
 ▌▌GRAND PIANO▌▌▌
 METROTYPE:4/4▌▌
```

Then use [+/YES] / [-/NO] button to set the parameter: 2/2、2/4 、3/4 、4/4 、 5/4、6/8 、7/8、9/8 、12/8 (Default: 4/4).

Press [+/YES] & [-/NO] buttons simultaneously to restore the default value.

6. Metro Volume

Press [SETUP] button to enter the function menu.Use [SETUP] button or [-/NO] button to select [METROVOL?]. Press [+/YES] button into the option,the LCD will display: METROVOL: 100.


```
 ▌▌GRAND PIANO▌▌▌
 ▌▌METROVOL:100▌▌
```
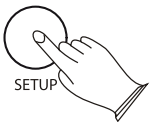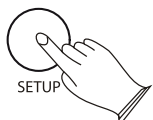
Then use [+/YES] / [-/NO]button to adjust the METROVOL Range: 00-127 (Default: 100).

Press [+/YES] & [-/NO] buttons simultaneously to restore the default value.

7. Main Volume

Press [SETUP] button to enter the function menu. Use [SETUP] button or [-/NO] button to select [MAINVOL?]. Press [+/YES] button into the option, the LCD will display: MAINVOL: 127.
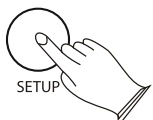
```
GRAND PIANO
MAINVOL:127
```

Then use [+/YES] / [-/NO] buttons to adjust the MAINVOL Range: 00-127 (Default: 127).

Press [+/YES] & [-/NO] buttons simultaneously to restore the default value.

8. Split Volume

Press [SETUP] button to enter the function menu.Use [SETUP] button or [-/NO] button to select [SPLITVOL?]. Press [+/YES] button into the option, the LCD will display: SPLITVOL: 127.
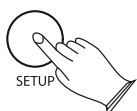
```
GRAND PIANO
SPLITVOL:127
```

Then use [+/YES] / [-/NO] buttons to adjust the SPLITVOL Range: 00-127 (Default: 127).

Press [+/YES] & [-/NO] buttons simultaneously to restore the default value.

9. Layer Volume

Press [SETUP] button to enter the function menu.Use [SETUP] button or [-/NO] button to select [LAYERVOL?]. Press [+/YES] button into the option, the LCD will display: LAYERVOL: 75.
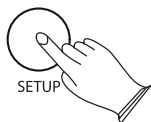
```
GRAND PIANO
LAYERVOL: 75
```

Then use [+/YES] / [-/NO] button to adjust the LAYERVOL Range: 00-127 (Default: 75).

Press [+/YES] & [-/NO] buttons simultaneously to restore the default value.

10. USB Disk Song's Volume

Press [SETUP] button, use [-/NO] or [SETUP] button to select "USBDISKVOL?"
Then use [+/YES] button to adjust the USB Disk Song's Volume. Range: 00-127,
Default: 127.

```
| GRAND PIANO |
| USBVOL:127 |
```

11. USB Speed

Press [SETUP] button, use [-/NO] or [SETUP] button to select "USBSPEED?" .
Then use [+/YES] button to adjust the USB Speed. Range: 50-200, Default: 100.

```
| GRAND PIANO |
| USB.SPEED:100 |
```
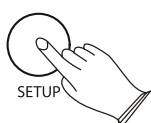
12. Mutetrack

Press [SETUP] button to enter the function menu. Use [SETUP] button or [-/NO]
button to select [MUTETRACK?]. Press [+/YES] button into the option, the LCD will
display: MUTETRACK01?

```
| GRAND PIANO |
| MUTETRACK01? |
```
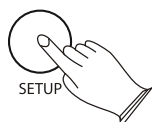
Then press [SETUP] button to adjust MUTETRACK(Range:01?~16?), press [+/YES]
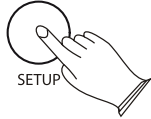button into the option, use [+/YES] /[-/NO] button to select on or off.

13. Split Point

Press [SETUP] button to enter the function menu. Use [SETUP] button or [-/NO]
button to select [SPLITPOINT?]. Press [+/YES] button into the option, the LCD will
display: SPLITPOINT: 35

```
| GRAND PIANO |
| SPLITPOINT:35 |
```

Then use [+/YES]/[-/NO] button to adjust the SPLITPOINT Range: 01-88 .

14. Touch

Press [SETUP] button to enter the function menu. Use [SETUP] button or [-/NO] button to select [TOUCH?]. Press [+/YES] button into the option, the LCD will display: TOUCH: NORMAL.

```
┃┃ GRAND PIANO ┃┃
┃ TOUCH:NORMAL ┃┃
```

Then use [+/YES] / [-/NO] button to set the parameter as shown below:

HARD
NORMAL
SOFT
FIX?

If you choose TOUCH：FIX?, Press [SETUP] button to enter the option, then use [+/YES] / [-/NO] button to set the parameter: 00~127 (Default: 100).

15. Transpose

Press [SETUP] button to enter the function menu. Use [SETUP] button or [-/NO] button to select [TRANSPOSE?]. Press [+/YES] button into the option, the LCD will display: TRANSPOSE: -0-.

```
┃┃ GRAND PIANO ┃┃
┃ TRANSPOSE: -0- ┃┃
```
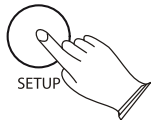
Then use [+/YES] / [-/NO] button to adjust the TRANSPOSE Range: -12 ~ +12 (Default: 0).

Press [+/YES] & [-/NO] buttons simultaneously to restore the default value.

16. Master Tune

Press [SETUP] button to enter the function menu. Use [SETUP] button and [-/NO] button to select [MASTERTUNE?]. Press [+/YES] button into the option, the LCD will display: MASTERTUNE: -0-.