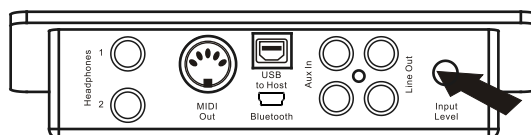


Aux In

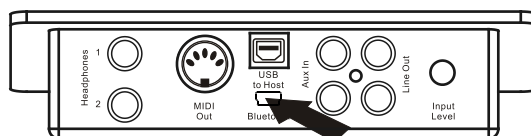
The Aux In stereo RCA connectors allow you to mix an external sound source (such as a CD player, MP3 player or computer output) with the piano's internal sounds, for playback through the piano's built-in speakers or headphone outputs.

The Aux In signal level can be adjusted using the Input Level knob.



Blue tooth

This piano can support Blue tooth with the Connection of the Blue tooth jack, Reference: Blue tooth.



Voice & Functions

The Voice Select buttons are used together with the Bank button to change the currently selected voice.

Under the Voice Select buttons are two rows of voice names (a top row and a bottom row). When the Bank button is off (not lit), the voice select buttons may be used to activate any of the voices listed on the top row (Bank A). When the Bank button is lit, voices from the bottom row (Bank B) may be selected.

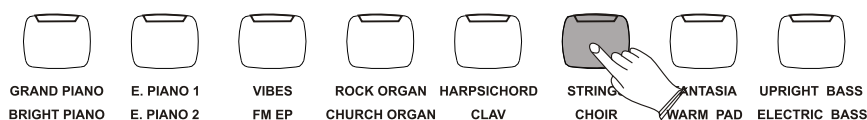
In either case, the name of the currently selected voice will be shown on the LCD.

Voice Select

Press the sixth Voice Select button to select the Strings sound.

The button's blue LED will light up, and “Strings” will appear on the LCD.

Play the keyboard to hear the Strings voice. Notice that the Bank button is not lit.



Press the Bank button.

The Bank button's blue LED will light up, and “Choir” will appear on the LCD. Play the keyboard to hear the Choir voice.



Of course, although the Strings and Choir voices were chosen for the example, the procedure is the same for all 16 available sounds.

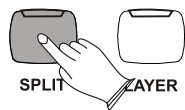
Split Mode

In Split Mode, the keyboard is divided into two parts, with each part playing a different sound. This allows you to play two different instruments, for example, bass with your left hand and piano with your right hand. In Split Mode, the Split Voice will play on all keys to the left of, and including the Split Point (explained on the next page). The Main Voice will play on all keys to the right of the Split Point.

Use Split(left hand) Mode

Press the [SPLIT] button.

The LCD's first line will show the Main Voice and split point. The second line will show the Split Voice and the Split Voice volume setting:



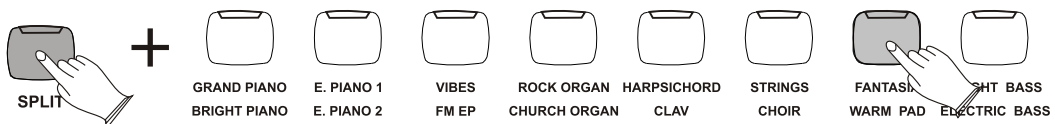
```
Grand Piano F#2
Up.Bass Sv1:127
```

NOTE

In most cases, the number in the lower right corner of the LCD represents the current value of the Data Control knob. While in Split Mode, the Data Control knob defaults to controlling the Split Voice Volume. However, if you have assigned the Data Control knob to control a different function, the value for your custom setting will be displayed instead of the Split Voice Volume. For information on how to assign the Data Control knob to control different functions, see the “Data Control Assign” : MIDI Functions.

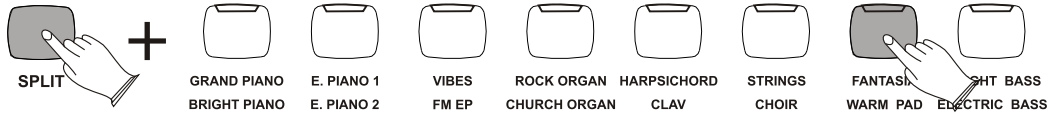
Change the Split(left hand) Voice

Press and hold the [SPLIT] button while selecting a Voice Select button.



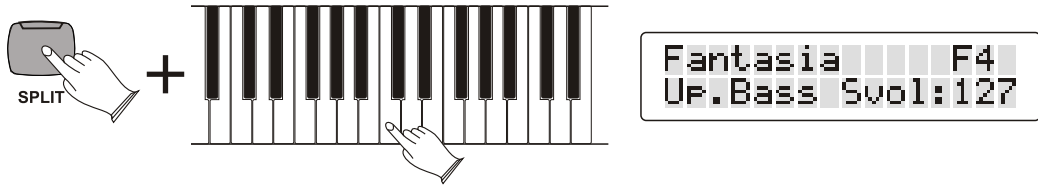
Change the Main(right hand) Voice

Press the [SPLIT] button then press a voice select button.



Change the Split(left hand) Point

Press and hold the [SPLIT] button while pressing the highest note to be included in the Split zone (i.e., the highest note to be played with the left hand voice).



Change the Volume of the Split(left hand) Voice

Turn the [DATA CONTROL] knob to select a volume setting between 0 and 127. As long as you are in Split Mode, the Data Control knob controls the volume of the Split Voice (left hand voice).



Change the Volume of the Main(right hand) Voice

Press the [SPLIT] button to turn off Split Mode.



Turn the [DATA CONTROL] knob to select a volume setting between 0 and 127.



Grand Piano	-0-
Tem:120	Vol:120

Press the [SPLIT] button to turn Split Mode back on.



Grand Piano	F4
Fantasia	Vol:110

Turn off Split(left hand) Mode

Press the [SPLIT] button to turn off Split Mode.



Grand Piano	-0-
Tem:120	Vol:120

The default values for Split Mode are:

.Default Split Point: F#2

.Default Split Voice: Upright Bass

NOTE

The Main Voice (right hand voice) will transmit on the selected Main MIDI Transmit Channel.

The Split Voice (left hand voice) will transmit on the Main MIDI Transmit Channel +1. For information on setting the Main MIDI Transmit Channel, please see the "MIDI Channel" : MIDI Functions.

Layer Mode

In Layer Mode, this piano will play two voices simultaneously on each key.

Turn on Layer Mode

Press the [LAYER] button.

The LCD's top line will show the Main Voice (first) and the Layer Voice (second).
The bottom line will show the tempo and the Layer Voice volume.

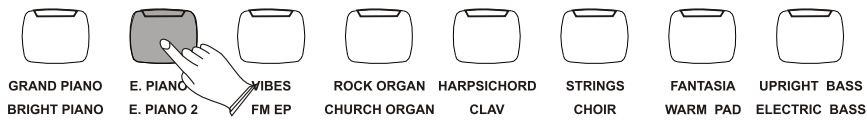


NOTE

That polyphony may be reduced while Layer Mode is in use.

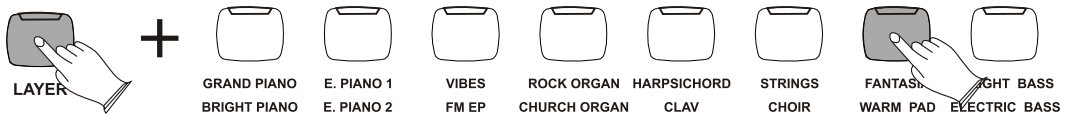
Change the Main Voice

Press the Voice Select button.



Change the Layer Voice

Press and hold the [LAYER] Mode button while pressing a new Voice Select button.



Using Split and Layer Modes Together

When Split and Layer Modes are both enabled, Layer Mode will take priority, so the Data Control knob will be automatically assigned to control the volume level for the Layer Voice. If Layer Mode and Split Mode are both active, the Layer Voice will be added only to the Main Voice, not to the Split Voice. In other words, playing to the right of the Split Point will sound the Main and Layer Voices. Playing to the left of the Split Point will sound only the Split Voice.

The LCD will show a combination of all the voice information, and the Data Control knob value (which is the Layer Voice volume by default).

<Main Voice> + <Layer Voice>
<Split Voice> <Layer Voice Volume>

For example, the image on the left shows a setup with Grand Piano as the Main Voice, Strings as the Layer Voice and Upright Bass as the Split Voice.



Grd Pno+Strinas
Up.Bass Vol:100

NOTE

That the following instructions regarding using Layer Mode and Split Mode together are actually the same as if you were using either of the two modes separately, with the exception of the method for changing the Split Voice volume (which is different when using the two modes together).

Change the Main Voice Volume

Press the [LAYER] button to temporarily exit Layer Mode.



Grand Piano G3
Up.Bass Svol:127

Press the [SPLIT] button to temporarily exit Split Mode.



Grand Piano
Tem:120 Vol:127

Use the [DATA CONTROL] knob to adjust the Main Voice volume.



Press the [SPLIT] button again to reactivate Split Mode.



Press the [LAYER] button again to reactivate Layer Mode.



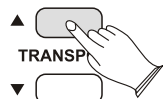
Transpose Button

The Transpose Up and Down buttons are used to increase or decrease the keyboard's transpose value, up to 12 semi-tones (one octave) up or down.

Use the Transpose Function

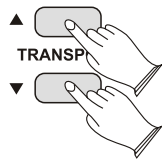
Each time you press the Transpose Up button, the pitch is raised by one semi-tone. In the same way, the Transpose Down button is used to lower the pitch in semi-tone increments.

Once you have changed the Transpose setting, the LCD will show a positive or negative value to the right of the voice name:



Each time you press the Transpose Up button, the pitch is raised by one semi-tone. In the same way, the Transpose Down button is used to lower the pitch in semi-tone increments.

Once you have changed the Transpose setting, the LCD will show a positive or negative value to the right of the voice name:



NOTE

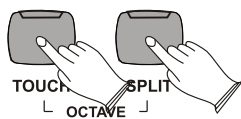
Changes to the Transpose setting are not remembered after a power-cycle. The setting will be back at its default value of zero at power-up.

Octave Function

Enabling the Octave function allows you to raise or lower the keyboard's pitch in octave increments.

Use the Octave Function

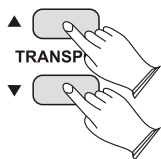
Press the [TOUCH] and [SPLIT] buttons at the same time to enter Octave Shift Edit Mode. The top line of the LCD will show: Octave Shift: -0-



Use the [DATA CONTROL] knob (or the Transpose Up/Down buttons) to raise or lower the Octave Shift setting.



With Octave Shift Edit Mode enabled, press the [Transpose Up and Down buttons at the same time.



NOTE

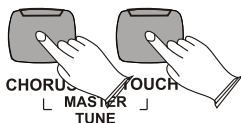
Changes to the Octave Shift setting are not remembered after a power cycle. The setting will be back at its default value of zero at power-up.

Master Tune

Although piano never actually slips out of tune, the Master Tuning function can be helpful when playing along with another instrument that may be tuned slightly higher or lower than standard pitch.

Adjust the Master Tune Setting

Press the [CHORUS] and [TOUCH] buttons at the same time. The top line of the LCD will show: MasterTune: -0-



Use the [DATA CONTROL] knob (or the Transpose Up/Down buttons) to raise or lower the Master Tune setting.



NOTE

Changes to the Master Tune value are remembered after a power cycle. Also note that the Master Tune command is sent to the internal sound engine only. It will not affect MIDI sent from piano to an external MIDI device or software program.

Touch Select Mode

The Touch Sensitivity setting, sometimes referred to as the velocity curve, lets you decide how the pressure with which you hit a key determines the volume at which the note plays. piano provides you with three different sensitivity options:

Normal is the default setting, and is designed to be useful for most players with an “average” touch (i.e.: people who play with an average amount of force).

Low is a sensitivity setting that generates lower velocity values for the same force. This setting is useful for playing more quietly, even if you tend to strike the keys harder.

High is a sensitivity setting that generates higher velocity values for the same force. This setting is useful for playing more loudly, even if you tend to strike the keys with less force.

Fixed is essentially the “off” setting, effective when the Touch button is not lit. The same velocity value is sent regardless of how hard or how softly you strike the keys. The default Fixed velocity value is 100 (on a scale of 0-127), and can be adjusted (see next page).

Select a Touch Sensitivity Setting(Normal, Low, or High)

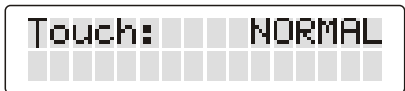
With the [TOUCH] button lit, press and hold the Touch button to enter Touch Select Mode.



Grand Piano	-0-
Tem:120	Vol:127

While continuing to hold down the [TOUCH] button, use the [DATA CONTROL] knob (or the Transpose or Tempo Up/Down buttons) to select the desired Touch setting.

As you turn the [DATA CONTROL] knob, the LCD will scroll through the available Touch settings. (The “NORMAL” Touch setting is shown in the example below).



NOTE

Pressing the Transpose up and down buttons together while in Touch Select Mode will reset the Touch function back to its default value of Normal.

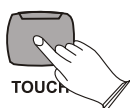
Set Touch Sensitivity to Fixed(off)

Press the Touch button. The blue LED will turn off.



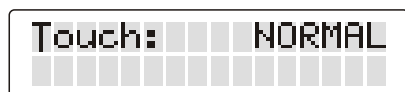
Change the Fixed Velocity Value

With Touch Sensitivity turned off (Touch button is not lit), press and hold the [TOUCH] button.



While continuing to hold down the [TOUCH] button, use the [DATA CONTROL] knob (or the Transpose or Tempo Up/Down buttons) to select the desired Touch setting.

As you turn the [DATA CONTROL] knob, the LCD will scroll through the available Touch settings. (The “NORMAL” Touch setting is shown in the example below).



Reverb Effect

The built-in digital Reverb can be used for adding a natural-sounding room ambience to any of the 16 voices built into piano.

Apply Reverb to a Voice

Press the [REVERB] button.

The button will illuminate, and you will hear the Reverb effect when you play the currently selected voice.



```
Grand Piano -0-  
Tem:120 Vol:127
```

To turn Reverb off, press the [REVERB] button again. The button will go dark to indicate that Reverb is off.

Adjust the Reverb Depth

While holding the [REVERB] button, turn the [DATA CONTROL] knob to adjust the Reverb Depth setting.

The LCD will show the current Reverb Depth setting. The minimum setting is 0, and the maximum setting is 127.



```
ReverbDepth: 040  
Type: Hall 2
```

Once you have reached the desired amount of Reverb, let go of the Reverb button, and resume playing piano.

NOTE

If you prefer, you may use the Tempo Up/Down buttons instead of the Data Control knob to change the Reverb Depth (while holding down the Reverb button).

Change the Reverb Type

While holding the [REVERB] button, use the [TRANSP] buttons to select a Reverb Type. The LCD will show the current Reverb Depth and Type. Once you have selected the desired Reverb Type, let go of the Reverb button, and resume playing piano.



The following Reverb Types are available:

01	02	03	04	05	06	07	08
Hall 1	Hall 2	Room 1	Room 2	Room 3	Stage 1	Stage 2	Plate

Each of the 16 voices of piano will remember its individual Reverb on/off status, type and Depth setting, even after turning the Power switch off and on.

Chorus Effect

The built-in digital Chorus can be used for adding a rich, swirling stereo effect to any of the 16 voices built into piano.

Apply Chorus to a Voice

Press the [CHORUS] button.

The button will illuminate, and you will hear the Chorus effect when you play the currently selected voice.



To turn Chorus off, press the Chorus button again. The button will go dark to indicate that Chorus is off.

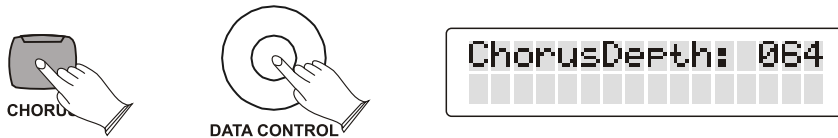
NOTE

Depending on the default Depth setting for the selected Chorus preset, the effect may be quite subtle. To hear the Chorus more clearly, you may want to increase the Chorus Depth, as described in the next step.

Adjust the Chorus Depth

While holding the [CHORUS] button, turn the [DATA CONTROL] knob to adjust the Chorus Depth setting.

The LCD will show the current Chorus Depth and Type



Once you have the desired amount of Chorus, let go of the Chorus button, and resume playing piano.

NOTE

If you prefer, you may use the Tempo Up/Down buttons instead of the Data Control knob to change the Chorus Depth (while holding down the Chorus button).

Change the Chorus Type

While holding the [CHORUS] button, use the [TRANSP] buttons to select a Chorus Type. The LCD will show the current Chorus Depth and Type.

Once you have selected the desired Chorus Type, let go of the Chorus button, and resume playing piano.



The following Chorus Types are available:

C-1	C-2	C-3	C-4	C-5	C-6	C-7	C-8
Chorus1	Chorus2	Chorus3	Chorus4	Feedback	Flanger1	ShrtDely	ShrtDIFb

Each of the 16 voices of piano will remember its individual Chorus on/off status, Type and Depth setting, even after turning the Power switch off and on.

Metronome

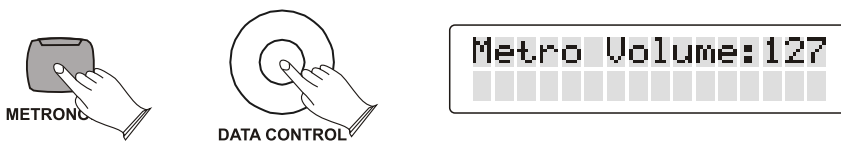
The piano features a build-in metronome which you can use to practice your timing with. To activate it, simply press the METRONOME button. You can set both volume, tempo and time signature for the metronome. The following describes how to adjust each of those functions.

Change the Metronome's Volume

While holding down the [METRONOME] button, turn the [DATA CONTROL] knob clockwise to increase volume, or counterclockwise to decrease volume.

The LCD will show the current Metronome Volume level. This can be adjusted between zero (minimum) and 127 (maximum).

When you have set a comfortable level, let go of the [METRONOME] button.



The Metronome can be programmed for any tempo between 20 beats per minute (bpm) and 280 bpm.

Change the Metronome's Tempo

Use the [TEMPO] Up/Down buttons (Up button increases tempo, Down button decreases tempo).



NOTE

Pressing both Tempo Up/Down buttons simultaneously will reset the Tempo to its default value of 120 bpm.

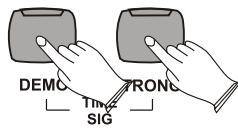
Time Signature

The metronome can support the following time signatures: 2/2, 2/4, 3/4, 4/4, 5/4, 6/8, 7/8, 9/8, 12/8

Change the Metronome's Time Signature

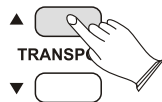
Press the [DEMO] and [METRONOME] buttons at the same time to enter Time Signature Edit Mode.

The top line of the LCD will show: Time Sig: 4/4



Use the [TRANPOSE] Up or Down button to change the Time Signature.

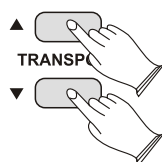
You step through the time signatures in the following order: 2/2, 1/4, 2/4, 3/4, 4/4, 5/4, 6/4, 3/8, 6/8, 7/8, 9/8, 12/8.



NOTE

After pressing the Demo and Metronome buttons in Step, you will have three seconds to begin using the Transpose Up or Down buttons (or the Data Control knob) to change the Time Signature. After three seconds, the piano goes back to Performance Mode (the basic “play the piano” setting), and the LCD goes back to its main screen. This three second “Time Out” function is common to most of the editing functions of piano.

While in Time Signature Edit Mode, press the [TRANPOSE] Up and Down buttons at the same time.



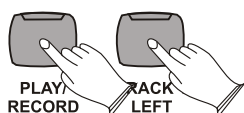
Song Recording

The Song Recorder (or sequencer) built into piano can record two individual tracks, allowing you to record one part and then play and record a second complementary part while the first part plays back.

Record a Track

Track1

1. Hold down the [PLAY/RECORD] button, then press the [TRACK1] button, the light of the [TRACK1/LEFT] button will flash and the light of the [PLAY/RECORD] button will turn on.



2. Play the music to start recording.



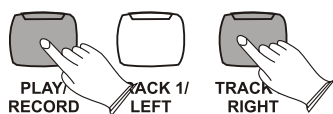
3. Press the [PLAY/RECORD] button again to end off the recording.

NOTE

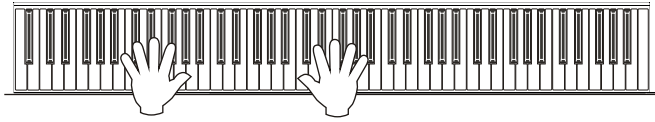
If the TRACK 2 has data recorded, the indicator will light and it will play when the record is started. You can press the [TRACK 2/RIGHT] button to mute it, then the indicator will be unlighted.

Track2

1. Hold down the [PLAY/RECORD] button, then press the [TRACK2/RIGHT] button, the light of the [TRACK2/RIGHT] button will flash, the light of the [PLAY/RECORD] button will turn on.



2. Play the music to start recording.



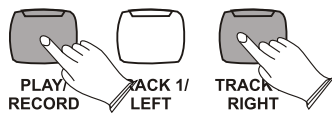
3. Press the [PLAY/RECORD] button again to end off the recording.

NOTE

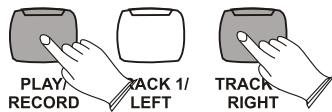
If the TRACK 1 has data recorded, the indicator will light and it will play when the record is started. You can press the [TRACK 1/LEFT] button to mute it, then the indicator will be unlighted.

Play The Recording

Press the [PLAY/RECORD] to play the local recording. During song playback you can select which track you wish to hear by press the [TRACK 1/LEFT] or [TRACK2/RIGHT] button.



Press the [PLAY/RECORD] button again to end off the recording.



NOTE

That the button for any track onto which material has been recorded will light.