

KURZWEIL®

KAG-100

USER'S
MANUAL

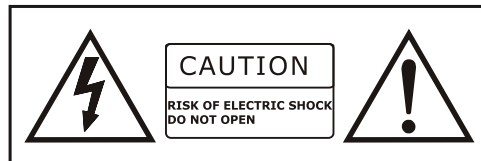
English Manual

HDC YOUNG CHANG
MUSIC

Precaution

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

Safety Precautions



The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of un-insulated "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



(Figure 1)

- 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, and 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 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 is 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 (Figure 1) .
- 13) Unplug this apparatus during lightning storms or when unused over a long period 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.

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.

Always make sure all batteries are inserted in conformity with the +/- polarity markings.

Always replace all batteries at the same time. Do not use new batteries together with old ones. Also, do not mix battery types, because this can cause overheating, fire, or battery fluid leakage.

Remove the batteries from the instrument if it is not to be used in a long time.

Thanks for Using Our Digital Piano

Your digital piano is a high-quality digital piano with 88 standard touch sensitivity keyboard and combines the most advanced PCM tone generation technology. This digital piano lets you record your performances and Registration settings to a USB Disk. Each user song lets you record up to sixteen independent tracks. In order to obtain maximum performance and enjoyment, please read this manual thoroughly while trying out the various features described.

Contents

Panel Control	1
Set Up	3
Basic Operation	4
Standby/On	4
Foot Pedals	4
Adjust the Volume	6
Adjust the Sound	6
Demo Play	6
The Connector Box	8
Headphones	8
MIDI OUT	8
Line OUT	9
Using USB-MIDI	9
Aux In	10
Blue tooth	10
Voices	11
Selecting a Voice	11
Dual Mode	11
Split Mode	12
Grand Piano	13
Adjusting Keyboard Volume	14
Effect	15
Reverb	15
Chorus	16
Touch	16
Transpose	17
Octave Mode	18
DUO Mode	19
Auto Accompaniment	20
Selecting a Style	20
Start a Style	20
Stop a Style	22
Adjusting the Accompaniment Volume	22
Variation	22
One Touch Setting	23
Harmony	23
Chord Function	24
Full Keyboard	24
Tap/Tempo	24
Metronome	25
User Rhythm Recording	25
Function	27
Registration Memory	44
Store	44
Load	44
Freeze Function	45
Saving Registration Data to USB Disk	45
Read Registration Data to USB Disk	46
Delete REG File From USB	46
Recording	47
Quick Recording	47
Multi Track Recording	48
Melody Track Recording	50
Saving the Recording to USB Disk	51
Saving the MIDI to USB Disk	51
Delete Song	52
USB Memory Button	52
Mute Track	52
Adjust the Song's volume	53
USB Play Speed	53
Teaching Function	54
Bluetooth	56
MIDI Functions	58
Factory Reset	59
Appendix	60
Auto Accompaniment Fingering	60
Percussion Voice List	62
Voice List	63
Style List	65
MIDI Implementation Chart	66
Troubleshooting Hints	67
Specifications	68
Assembly Instructions	69

Panel Control

Top Panel

1. POWER
2. MASTER VOLUME fader
3. BRIGHTNESS fader
4. MULTI DISPLAY
5. ACCOMPANIMENT CONTROL
 - [◀ACCOMP.▶] button
 - [TAP/TEMPO] button
 - [METRONOME] button
 - [O.T.S] button
 - [CHORD] button
 - [SYNCHRO] button
 - [INTRO/ENDING] button
 - [START/STOP] button
 - [FILL IN] button
 - [VARIATION] button
6. KEYBOARD CONTROL
 - [◀OCTAVE▶] button
 - [◀KB.VOL▶] button
 - [◀TRANSPOSE▶] button
 - [SPILT] button
 - [LAYER] button
 - [HARMONY] button
 - [FULL KEYB] button
 - [DUO] button
7. [FUNCTION] button
8. [ENTER] button
9. VOICE/STYLE SELECTION
 - [VOICE/STYLE] button
 - [GRAND PIANO] button
 - Number Buttons [0]-[9]
 - [+] and [-] Buttons

10. USB FUNCTION
 - [STORE/BANK] button
 - [M1]-[M5] buttons
 - [FREEZE] button
 - [RECORD] button
 - [Track1/LEFT] button
 - [Track2/RIGHT] button
 - [PLAY] button
 - [USB MEMORY] button
 - [SAVE TO] button
11. [REVERB] button
12. [CHORUS] button
13. [TOUCH] button
14. [DEMO/EDU] button
15. USB TO DEVICE

Interface Panel

16. HEADPHONES1/2 Jacks
17. MIDI OUT Jacks
18. USB Jack
19. Bluetooth Jack
20. AUX IN Jacks
21. LINE OUT Jacks
22. Input Level
23. PEDAL
24. AC POWER

Diagram of the back of the device showing various ports and their corresponding icons:

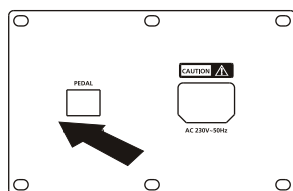
- HEADPHONES**: Two circular ports labeled 1 and 2.
- MIDI OUT**: A large circular port.
- 18**: A square port with a USB symbol and the number 18.
- AUX IN**: Four circular ports.
- LINE OUT**: Two circular ports.
- 19**: A square port with a Bluetooth symbol and the number 19.
- BLUETOOTH**: Text label for the Bluetooth port.
- INPUT LEVEL**: A circular port.

[illegible]

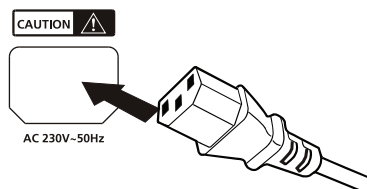
Set Up

You are no doubt eager to play your piano, but first please make sure you have completed the following basic setup steps:

- 1) Follow the assembly instructions as outlined on page 69 in the appendix of this manual.
- 2) Once the piano is securely assembled, connect the plug of the foot pedal unit to the pedal jack on the rear panel.



- 3) Plug in the included power chord to the bottom of the piano body as illustrated below. Position the piano in the desired location, making sure that the power chord can reach a AC power connection point.



- 4) Then plug the other end of the power cable into the AC power outlet.

NOTE

1. Ensure the piano is turned off when connecting and disconnecting the power.
2. Turn the volume knob to its minimum level before turning on the power.

Basic Operation

Standby/On

Press the [POWER] button to turn on the power and the LCD display will light.



Auto Standby

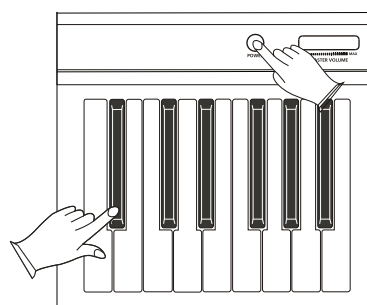
Your piano will switch off automatically in 30 minutes after no any operation on it. In this case, press the [POWER] button again to turn on the power.

NOTE

When you are playing the Demo song, it will not switch off automatically in 30 minutes after no any operation on it.

Deactivate 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 press the [POWER] button to deactivate the Auto Standby function. (Reference: Auto Power off time P43)



Foot Pedals

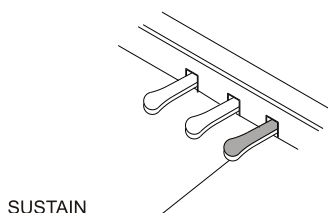
Connect the plug of the foot pedal unit to the pedal jack in the button panel.

PEDAL



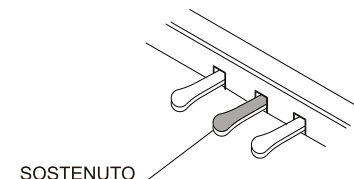
Damper Pedal (Right)

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.



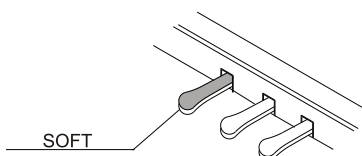
Sostenuto Pedal (Center)

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.



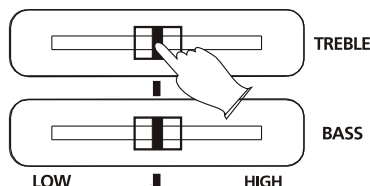
Adjust the Volume

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



Adjust the Sound

The [TREBLE] fader can be used to adjust the sound of the piano. If the TREBLE fader is pushed to the far left the high frequency of the sound will be decreased, if it is pushed to the right, the high frequency will be increased. Pushing the [BASS] fader to the left will decrease the bass frequency while turning it to the right will increase the bass frequency.

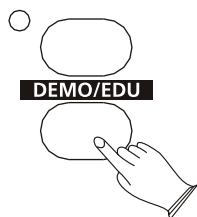


Demo Play

There are 16 preset piano songs that you can play individually. Here's how you can select and play the demo songs.

Listen to the Demo Song

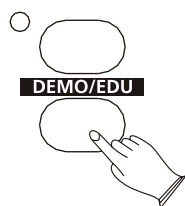
Press [DEMO/EDU] button to play the demo songs in sequence. Use [+] and [-] button or number [1-9] to select the number of the song you want to play.



```
* DEM001 *000*
Tem:140 Tran:-0-
```


Stop Playing

Press [DEMO/EDU] button again to stop playing.



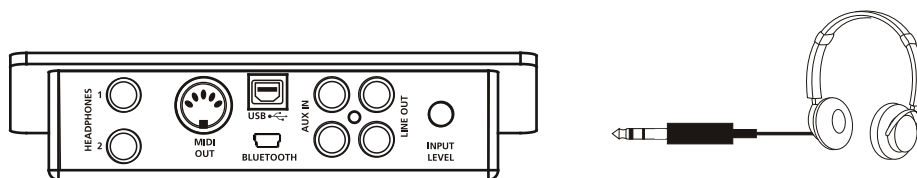
01:GrandPho
Tem:120 Tran:-0-

The Connector Box

The piano features a connection box which allows you to connect external audio equipment, a computer, other MIDI equipment or headphones. The following describes each option in more detail.

Headphones

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 the 1. Headphone jack.



NOTE

Never use headphones at a high volume, because high volume levels may cause permanent hearing damage.

MIDI OUT

MIDI (Musical Instrument Digital Interface) is a world-standard communication interface which allows electronic musical instruments to communicate with each other, by sending and receiving compatible note, program change and other types of MIDI data. You should only plug the MIDI out in to another device featuring a MIDI input.

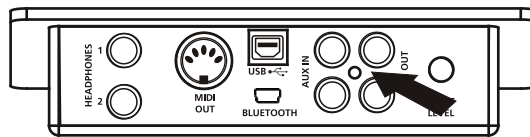


NOTE

MIDI OUT Transmits MIDI data to another MIDI device.

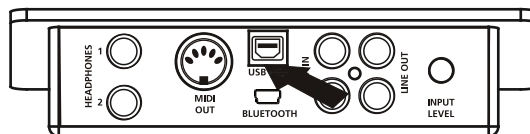
Line OUT

The piano's stereo RCA line output can be used to deliver the output of the piano to a keyboard amplifier, stereo sound system, mixing console or tape recorder. The piano's internal sound system will remain on unless headphones are plugged in to the 1. Headphone jack.

**Using 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 piano is USB Class Compliant, there is no need to install a driver to enable it to work with compute. Simply just plug it in and the OS will do the rest. The piano will work with all standard MIDI based computer software.

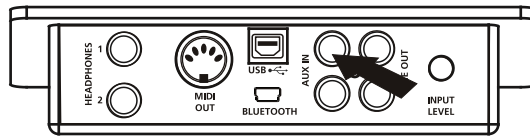
USB AUDIO interface is a digital audio interface. By USB cable, you can digitally transfer intact audio signals of PC to this instrument, and enjoy it on this instrument or use it for accompany when you play this instrument; likewise, you can transfer intact audio signals of the instrument to PC to record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

**NOTE**

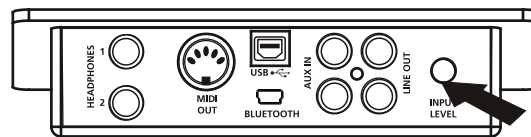
The piano also support the USB Audio.

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.

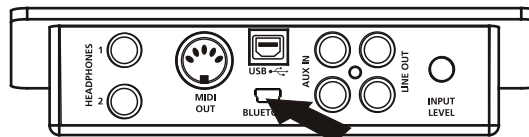


The Aux In signal level can be adjusted using the Input Level knob.



Blue tooth

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

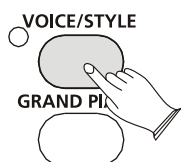


Voices

Your instrument has 128(01-128) GM standard voices.
72(129-200) XM voices (include 8 percussion kits and 1 set of sound effect) that you can select and play.

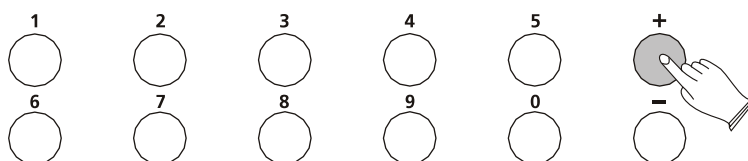
Selecting a Voice

When [VOICE/STYLE] button is unlighted, the voice mode is selected and the current voice number and the name will display on the LCD Display section.



01:GrandPno
Tem:120 Tran:-0-

Use [+] and [-] button or number buttons [0-9] to select the desired voice according to the voice list.



Dual Mode

Press [LAYER] button to select dual voice mode, two voices will sound simultaneously when you play keyboards.

Select Dual Voice

Press [LAYER] button, the Dual indicator is flashing, use the number [0]-[9] or [+] and [-] button to select the second voice.

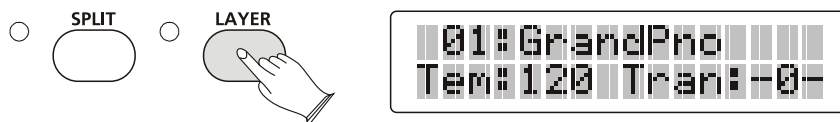


Setting the Dual Voice Volume

Reference: Dual Voice Volume (P.14).

Exit the LayerMode

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

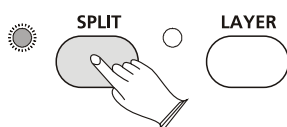


Split Mode

Press [SPLIT] button to select split mode, your keyboard will be split into two sections which means different voices can be played with the left and right hands at the same time.

Select Split Voice

Press [SPLIT] button, the Split indicator is flashing, and use [0-9] buttons or [+] and [-] button to select the left voice.



33:AcstBass
Tem:120 Tran:-0-

Changing the Split Point

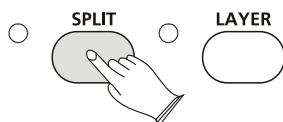
Hold down the [SPLIT] button until the LCD shows "Split Point", then use [+] or [-] button to select the split point.

Setting the Split Voice Volume

Reference: Split Voice Volume (P.14).

Exit the Split Mode

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

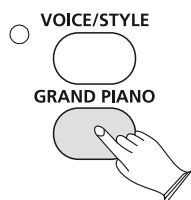


01:GrandPho
Tem:120 Tran:-0-

Grand Piano

Press [GRAND PIANO] button.

This convenient function lets you instantly call up the Grand Piano voice.



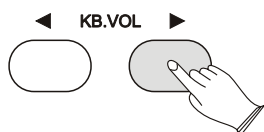
01:GrandPho
Tem:120 Tran:-0-

Adjusting Keyboard Volume

Use this function can adjust the Split Voice Volume, Dual Voice Volume and the Main Voice Volume.

Split Voice Volume

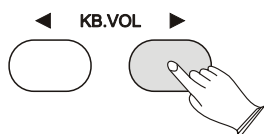
In Split mode, when the Split indicator is flashing, press [KB.VOL ◀▶] button can adjust the split voice volume, while the split indicator is lit.



33:AcstBass									
127:SplitVolume									

Dual Voice Volume

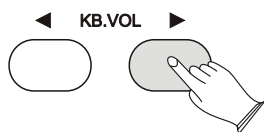
In Dual mode, when the Layer indicator is flashing, press [KB.VOL ◀▶] button can adjust the Layer voice volume, while the dual indicator is lit.



49:Ensemble1									
75: Dual Volume									

Main Voice Volume

You can adjust the main voice volume by pressing [KB.VOL ◀▶] button when the Layer or split Cursor does not flash.



01:GrandPno									
127: Main Volume									

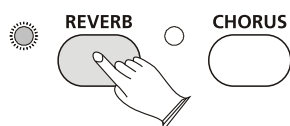
Effect

This function allows you to perform the overall sound in a realistic style.

Reverb

The [REVERB] button selects a number of digital reverb effects that you can use for extra depth and expressive power.

Press [REVERB] button can turn off or turn on the reverb effect. Press [REVERB] button, use number button or [+] and [-] button to select reverb type. Default type: Hall1



The reverb types in the list below can be selected from the reverb display.

1	2	3	4	5	6	7	8
Hall1	Hall2	Room1	Room2	Room3	Stage1	Stage2	Plate

NOTE

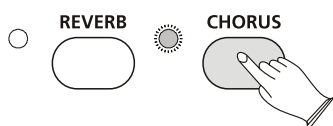
Press [REVERB] button repeatedly to turn on or turn off the reverb effect.

Adjusting Reverb Depth

Reference: "Main Reverb Level", "Split Reverb Level", "Dual Reverb Level" (P.33~P.34).

Chorus

Shimmering, broadening effect. Press [CHORUS] button, use [+] and [-] button to select chorus type.



The chorus types in the list below can be selected from the chorus display.

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

NOTE

Press [CHORUS] button repeatedly to turn on or turn off the chorus effect.

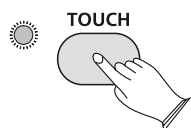
Adjusting Chorus Depth

Reference: "Main Chorus Level", "Split Chorus Level", "Dual Chorus Level" (P.35~P.36).

Touch

The touch function provides four different types of keyboard touch sensitivity that can be selected to match different playing styles.

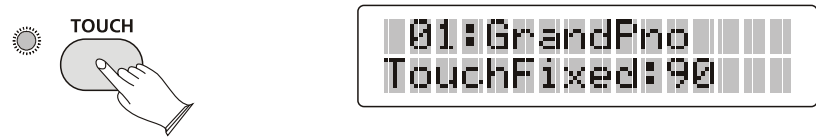
Press the [TOUCH] button, use [+] and [-] button to select the touch sensitivity type.



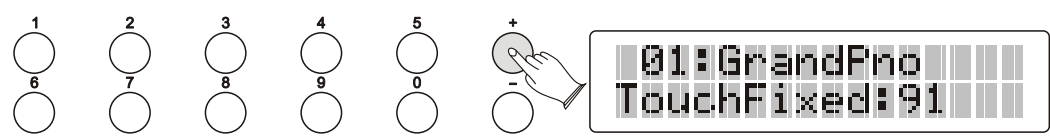
No.	Name	Description
01	Normal	is defined as a curve which will be mid-way between the other two.
02	Hard	is defined as a curve which makes it easier to play quietly. The curve generates lower velocities for the same force
03	Soft	is defined as a curve which makes it easier to play loudly. The curve generates higher velocities for the same force.

Setting Fixed Touch Value

Press [TOUCH] button repeatedly to select: Touch Fixed , LCD will display: TouchFixed:90. It means that regardless of how hard you play, the keyboard will transmit a velocity value of 90.



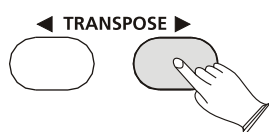
Use [+] and [-] button or [0-9] number buttons to select the touch sensitivity default value.



When touch is selecting, press [+] and [-] button simultaneously to reset the touch to default value (90).

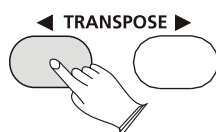
Transpose

The Transpose function allows you to change the pitch of the instrument in semitone steps, up to a maximum setting of 12 semitones (a maximum of one octave up or down).



```
01:GrandPno
Tem:120 Tran:+1
```

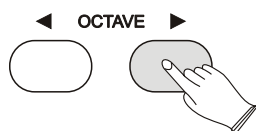
Use [TRANSPOSE ◀▶] button to transpose up or down as required. The transposition range is from "-12" (down one octave) through "0" (normal pitch) to "12" (up one octave).



```
01:GrandPno
0:TransPose
```

Octave Mode

You can set the main voice octave, the layer voice octave and the split voice octave by pressing [OCTAVE ◀▶] button.
Range: -2~2



```
01:GrandPno
0:Main.Octave
```

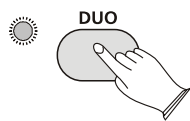
Main Voice Octave: In main voice mode, press [OCTAVE ◀▶] button to set the main voice octave value.

Dual Voice Octave: In dual mode (LAYER indicator is flashing), press [OCTAVE ◀▶] button to adjust the dual voice octave.

Split Voice Octave: In split mode (SPLIT indicator is flashing), press [OCTAVE ◀▶] button to adjust the split voice octave.

DUO Mode

Press [DUO] button to select DUO mode. In this mode, the keyboard will be separated into two play areas.

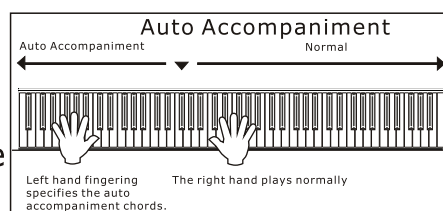


Press [DUO] button again to exit the DUO mode.

Auto Accompaniment

Your instrument has 100 accompaniment styles which can be used to provide Fully-orchestrated Auto Accompaniment. When the Auto Accompaniment function is turned ON, this instrument creates fully-orchestrated rhythm, bass and chord accompaniment based on chords you play with the left hand in the Auto Accompaniment section of the keyboard (i.e. all keys to the left of the Auto Accompaniment split point). The right-hand section of the keyboard is available for normal playing.

The default Auto Accompaniment split point is the #F2 key. The Auto Accompaniment section of the keyboard Consists of all keys to its left .



Selecting a Style

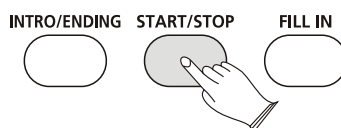
When [VOICE/STYLE] button is light, the style mode is selected and the current style number and the name will display on the LCD Display section.

Use [+] and [-] button or number buttons [0-9] to select the desired style according to the style list.



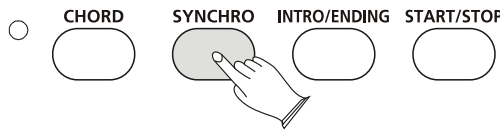
Start a style

Press [START/STOP] button to start the style.



Synchro Start

Press the [SYNCHRO] button, then the accompaniment will start when you play the first chord on the AUTO ACCOMPANIMENT section of the keyboard.

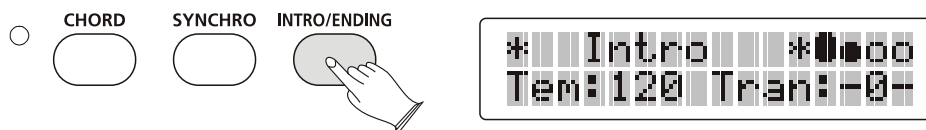


Starting the Accompaniment with an Introduction

If you press this button before you start the rhythm, synchro function will work automatically. The normal rhythm pattern will be preceded by a special introduction (INTRO) as soon as a chord is detected and it will be possible to play the instrument with your preferred chords. However, if you press the button when the rhythm is already running, the instrument plays a final variation (ENDING) and the rhythm section will stop automatically.

All of your instrument accompaniment patterns can be started with an appropriate introduction by pressing the [INTRO/ENDING] button, once the style has been selected.

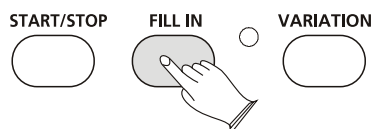
When the INTRO finishes playing, the accompaniment will change to the main style pattern.



Adding Fill In

Press the [FILL IN] button at any time while the accompaniment is playing to add a one-measure fill-in.

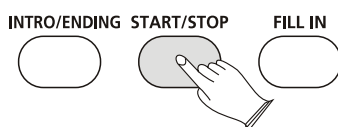
If you press the [SYNCHRO] button and then the [FILL IN] button, the accompaniment will start from the fill-in as soon as a chord is detected in the AUTO ACCOMPANIMENT section of the keyboard.



```
* Fill 1→A *0000
Tem:120 Tran:-0-
```

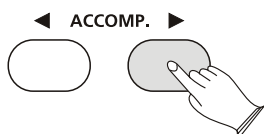
Stop a Style

An accompaniment progress can be stopped immediately by pressing the [START/STOP] button and also can be stopped with an appropriate ending by pressing the [INTRO/ENDING] button.



Adjusting the Accompaniment Volume

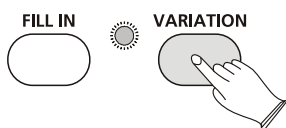
Press [ACCOMP. ◀▶] button to enter the accompaniment volume setting mode, LCD displays the value, use number button, [+] and [-] button or turn the dial to adjust the volume value.



```
01:8Bt Mdrn
115:Acc.Volume
```

Variation

While the style is playing, you can add variation in the rhythm/accompaniment by pressing the [VARIATION] button, the indicator is lit. This switches between the Main A and Main B sections automatically playing a Fill in or variation pattern to smoothly lead into the next section.

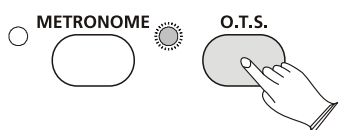


```
* Fill 1→E *0000
Tem:120 Tran:-0-
```


One Touch Setting

This function is actually a convenient feature which automatically selects a suitable voice for you when you select a style. In addition, various panel settings (such as voice, effect, Tempo, etc.) that match the selected style can be recalled with just a single button [O.T.S.].

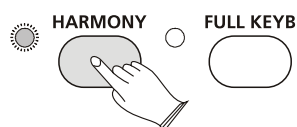
Press [O.T.S.] button repeatedly can turn on or turn off One Touch Setting.



Harmony

The harmony function features a variety of performance effect that enhance the melodies you play when using the accompaniment styles.

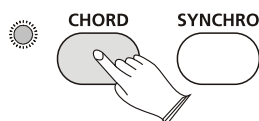
Press [HARMONY] button, the indicator is lit.



The Harmony is derived from the chords you have played if you use Automatic Accompaniment or turn on the Chord function.

Chord Function

Turn on this mode, the specified left-hand section of the keyboard becomes the "Auto Accompaniment" section, and chords played in this section are automatically detected and used as a basis for fully automatic accompaniment with the selected style



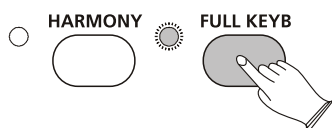
01:8Bt_Mdrn
Tem:120 Tran:-0-

Full Keyboard

This feature allows you to play automatic chords in the full length of the keyboard.

Press the button and dedicated arrow will indicate it on the display. When in full keyboard the chords played by the Auto Accompaniment System will be displayed on the screen.

Press [FULL KEYB] button to enter the Full Keyboard mode.

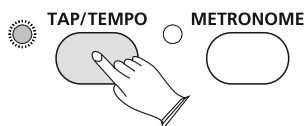


01:8Bt_Mdrn
Tem:120 Tran:-0-

Press [FULL KEYB] button again to exit the Full Keyboard mode.

Tap/Tempo

This function allows you to set the rhythm tempo by tapping in tempo on [TAP/TEMPO] button. Tap on the button 2 times while rhythm is playing, the rhythm tempo are set as your desired speed.



01:8Bt_Mdrn000
Tem:120 Tran:-0-

If you want to set the tempo before starting rhythm, you have to tap the button 4 times.

Metronome

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

The metronome sound is alternately turned on and turned off by pressing [METRONOME] button.

When metronome indicator is unlighted, hold down [METRONOME] button for two seconds until the LCD will display the time signature of the metronome. It can be set by using [+] and [-] button while turning on the metronome function.

Time signature: 1/4, 2/4, 3/4, 4/4, 5/4, 6/4, 3/8, 6/8, 7/8, 9/8, 12/8.

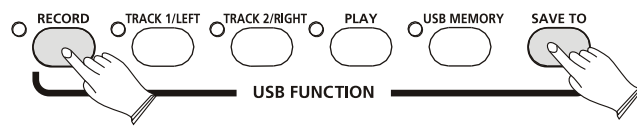


User Rhythm Recording

User Style allows you make rhythm according to your own interests and preferences, the rhythm can be used in the play.

Save User Style

Press the [Record] button and [SAVE TO] button at the same time and the LCD will display "101:UsrRhy01", then press one key to start recording. The [METRONOME] button indicator will light and 2 bars of rhythm will loop play. At the same time start the rhythm, can be arbitrarily added percussion. Press the [START/STOP] button to stop the recording.



Play User Style

Press the [VOICE/STYLE] button and its indicator will light. Use [+] and [-] button to select "101:UsrRhy01". Press the [START/STOP] button to play the recording.

Function

Press [FUNCTION] button to enter the menu of function. The default option of the menu is Performance. Press [FUNCTION] button repeatedly to select the option to be set. Turn the dial or use [+] and [-] button to set the parameter. The option and the parameters are as the follows:

Function type		LCD display	Range	Default
Performance?	Master Tune	Master Tune?	-64~63	0
	Split Point	Split Point?	0~87	34
	Chord Point	Chord Point?	0~87	34
	Metro. Type	Metro. Type?	1/4, 2/4, 3/4, 4/4, 5/4, 6/4, 3/8, 6/8, 7/8, 9/8, 12/8	4/4
Mixer?	Main Pan	Main Pan?	-64~63	0
	Split Pan	Split Pan?	-64~63	0
	Dual Pan	Dual Pan?	-64~63	0
	Metro Volume	Metro Volume?	0~127	100
	Song Volume	Song Volume?	0~127	127

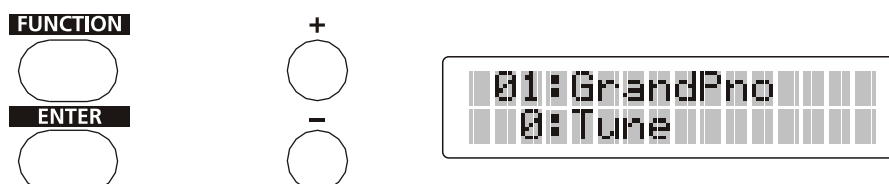
Function type		LCD display	Range	Default
Effect?	Main RevVol	Main RevVol?	0~127	32
	Split RevVol	Split RevVol?	0~127	32
	Dual RevVol	Dual RevVol?	0~127	32
	Main ChrVol	Main ChrVol?	0~127	110
	Split ChrVol	Split ChrVol?	0~127	110
	Dual ChrVol	Dual ChrVol?	0~127	110
Midi Setting?	All Local	All Local?	On/Off	On
	USB MIDI In	USB MIDI In?	On/Off	On
	MIDI Out	MIDI Out?	1~16, Off (Not include 10)	1
Usb Setting?	USB Play Mode	USB Play Mode?	1Single, 2Play All Songs, 3Random	1Single
	USB Play Speed	USB Play Speed?	50~200	100
	USB Play Volume	USB Play Vol?	0~127	127
	USB Mute Track	USB Mute Track?	01~16	01
	Auto RecTrack	Auto RecTrack?	On/Off	On
	Main RecTrack	Main RecTrack?	1	
	Split RecTrack	Split RecTrack?	2	
	Dual RecTrack	Dual RecTrack?	3	

Function type		LCD display	Range	Default
Other Setting?	Song Grading	Song Grading?	On/Off	On
	Bluetooth	Bluetooth?	On/Off	Off
	Reset	Reset?	Resetmem!	
	Auto Power Off	Auto Power Off?	20~60 min, Off	30 min

Master Tune

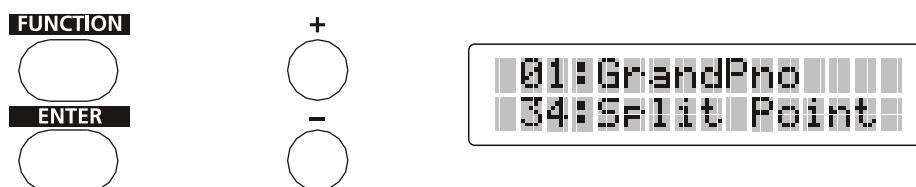
This function makes it possible to tune the pitch of your instrument to match other instruments. The tune range is from -64 (down one semitone) through 0 (normal pitch) to 63 (up one semitone).

Press [FUNCTION] button repeatedly to select "Performance?". Press [ENTER] button to confirm, use [+] and [-] button to select "Master Tune?", Press [ENTER] button to confirm, use [+] and [-] button to set the master tune value.



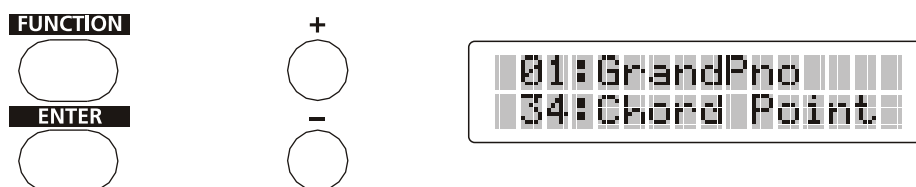
Split Point

Press [FUNCTION] button repeatedly to select "Performance?". Press [ENTER] button to confirm, use [+] and [-] button to select "Split Point?", Press [ENTER] button to confirm, use [+] and [-] button to set the split point value.



Chord Point

Press [FUNCTION] button repeatedly to select "Performance?". Press [ENTER] button to confirm, use [+] and [-] button to select "Chord Point?", Press [ENTER] button to confirm, use [+] and [-] button to set the chord point value.

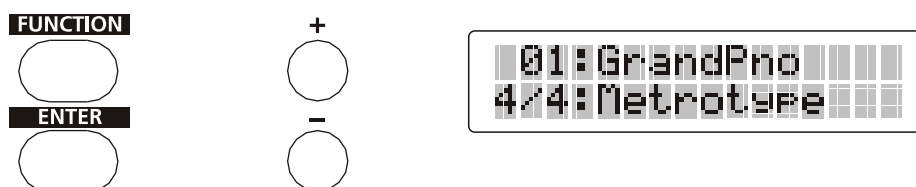


Metro Type

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

Press [FUNCTION] button repeatedly to select "Performance?". Press [ENTER] button to confirm, use [+] and [-] button to select "Metro Type?", Press [ENTER] button to confirm, use [+] and [-] button to select your desired time signature.

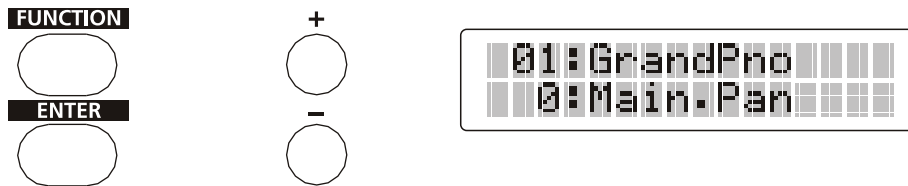
Time signature: 1/4, 2/4, 3/4, 4/4, 5/4, 6/4, 3/8, 6/8, 7/8, 9/8, 12/8. (Default: 4/4)



Main Pan

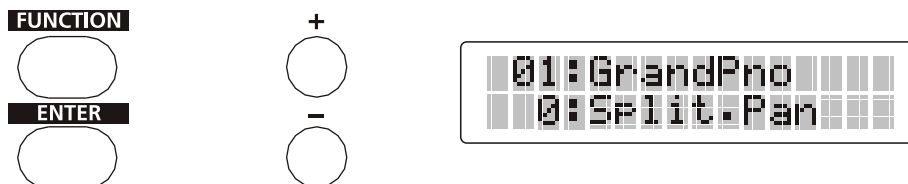
In this function you can set the stereo position of each orchestration part to create a board stereo image of your sound.

Press [FUNCTION] button repeatedly to select "Mixer?". Press [ENTER] button to confirm, use [+] and [-] button to select "Main Pan?", Press [ENTER] button to confirm, use [+] and [-] button to set main pan value.



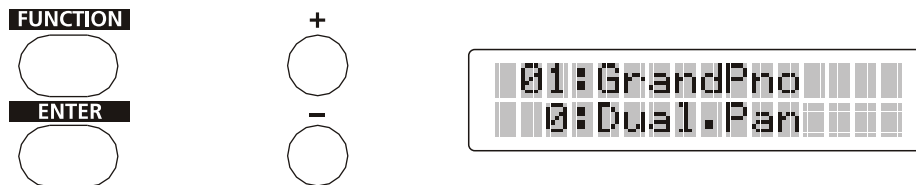
Split Pan

Press [FUNCTION] button repeatedly to select "Mixer?". Press [ENTER] button to confirm, use [+] and [-] button to select "Split Pan?", Press [ENTER] button to confirm, use [+] and [-] button to set split pan value.



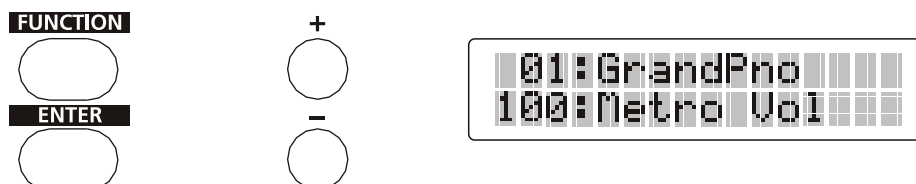
Dual Pan

Press [FUNCTION] button repeatedly to select "Mixer?". Press [ENTER] button to confirm, use [+] and [-] button to select "Dual Pan?", Press [ENTER] button to confirm, use [+] and [-] button to set dual pan value.



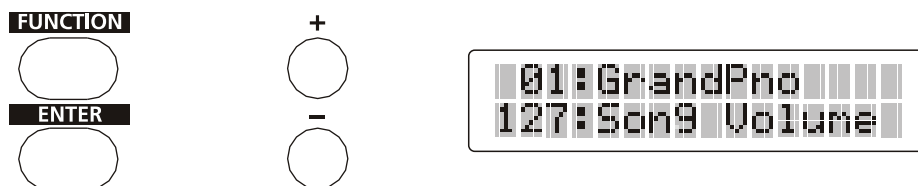
Metro Volume

Press [FUNCTION] button repeatedly to select "Mixer?". Press [ENTER] button to confirm, use [+] and [-] button to select "Metro Volume?", Press [ENTER] button to confirm, use [+] and [-] button to set metro volume value.



Song Volume

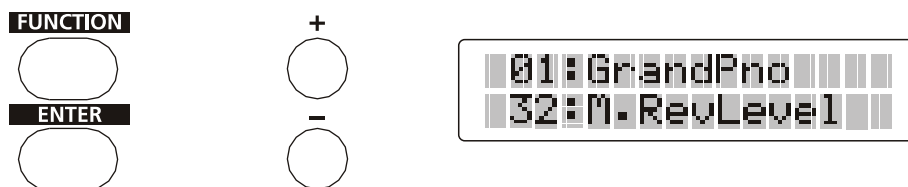
Press [FUNCTION] button repeatedly to select "Mixer?". Press [ENTER] button to confirm, use [+] and [-] button to select "Song Volume?", Press [ENTER] button to confirm, use [+] and [-] button to set song volume value.



Main Reverb Level

In this function you can adjust the main reverb level for the selected voice.

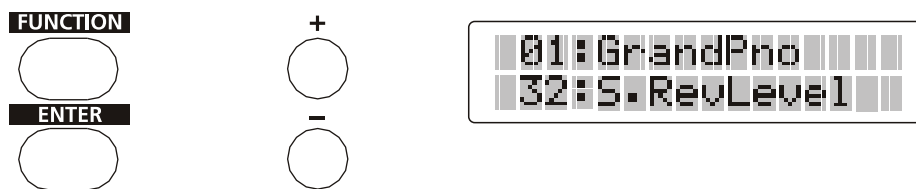
Press [FUNCTION] button repeatedly to select "Effect?". Press [ENTER] button to confirm, use [+] and [-] button to select "Main RevVol?", Press [ENTER] button to confirm, use [+] and [-] button to set main reverb level.



Split Reverb Level

In this function you can adjust the split reverb level for the selected voice.

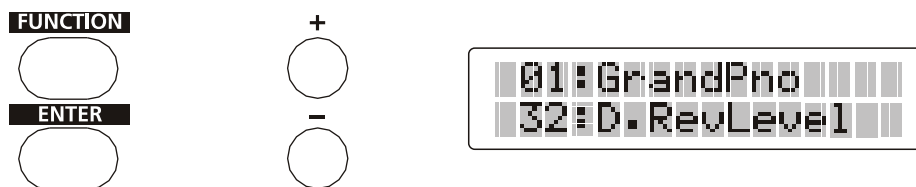
Press [FUNCTION] button repeatedly to select "Effect?". Press [ENTER] button to confirm, use [+] and [-] button to select "Split RevVol?", Press [ENTER] button to confirm, use [+] and [-] button to set main reverb level.



Dual Reverb Level

In this function you can adjust the dual reverb level for the selected voice.

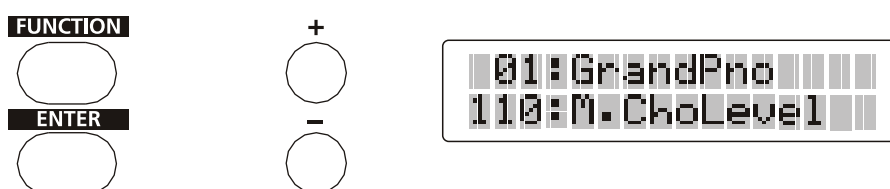
Press [FUNCTION] button repeatedly to select "Effect?". Press [ENTER] button to confirm, use [+] and [-] button to select "Dual RevVol?", Press [ENTER] button to confirm, use [+] and [-] button to set main reverb level.



Main Chorus Level

In this function you can adjust the main chorus level for the selected voice.

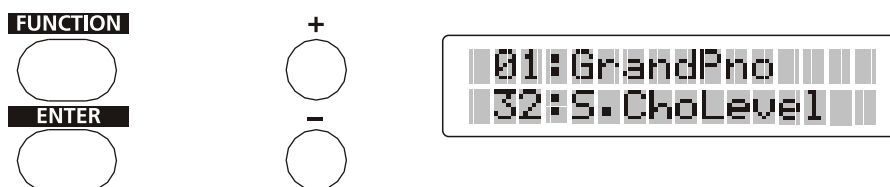
Press [FUNCTION] button repeatedly to select "Effect?". Press [ENTER] button to confirm, use [+] and [-] button to select "Main ChoVol?", Press [ENTER] button to confirm, use [+] and [-] button to set main chorus level.



Split Chorus Level

In this function you can adjust the split chorus level for the selected voice.

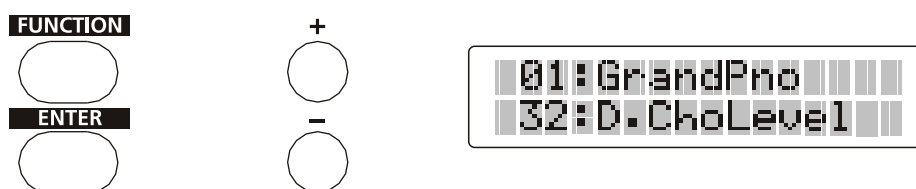
Press [FUNCTION] button repeatedly to select "Effect?". Press [ENTER] button to confirm, use [+] and [-] button to select "Split ChoVol?", Press [ENTER] button to confirm, use [+] and [-] button to set split chorus level.



Dual Chorus Level

In this function you can adjust the dual chorus level for the selected voice.

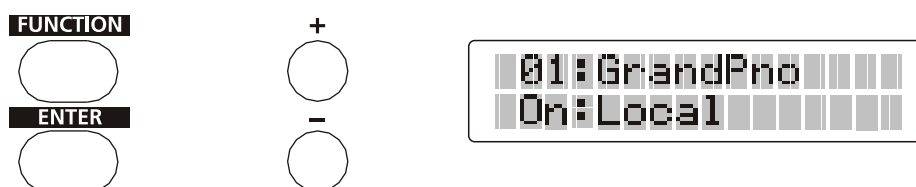
Press [FUNCTION] button repeatedly to select "Effect?". Press [ENTER] button to confirm, use [+] and [-] button to select "Dual ChoVol?", Press [ENTER] button to confirm, use [+] and [-] button to set dual chorus level.



All Local

In this function you can turn on or turn off the speaker system of your keyboard.

Press [FUNCTION] button repeatedly to select "Midi Setting?". Press [ENTER] button to confirm, use [+] and [-] button to select "All Local?", Press [ENTER] button to confirm, use [+] and [-] button to select On or Off.



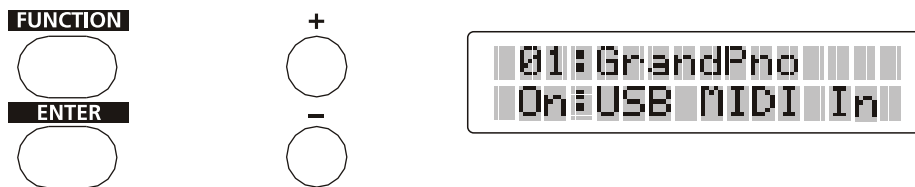
On----- Normal operation. Keyboard and controllers are sent to the sound engine

Off----- There will be no sound produced by the brain's tone generator. MIDI function can work as usual.

USB MIDI In

This function allow you to select the MIDI reception track and turn on or off the MIDI function. The default is On.

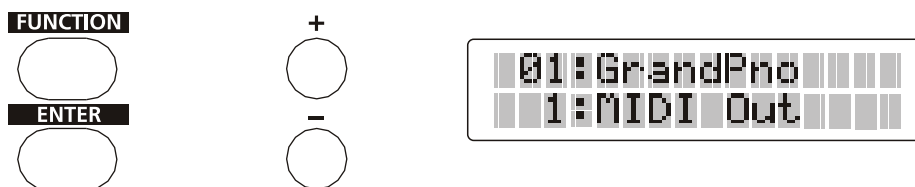
Press [FUNCTION] button repeatedly to select "Midi Setting?".
Press [ENTER] button to confirm, use [+] and [-] button to select "USB MIDI In?", Press [ENTER] button to confirm, use [+] and [-] button to turn On or turn Off this track.



MIDI Out

This function allow you to select the MIDI transmission track from 01-16 or to turn the MIDI transmission function off, the default track is channel 1 (Not include 10).

Press [FUNCTION] button repeatedly to select "Midi Setting?".
Press [ENTER] button to confirm, use [+] and [-] button to select "MIDI Out?", Press [ENTER] button to confirm, use [+] and [-] button to select midi out track or turn Off this track.



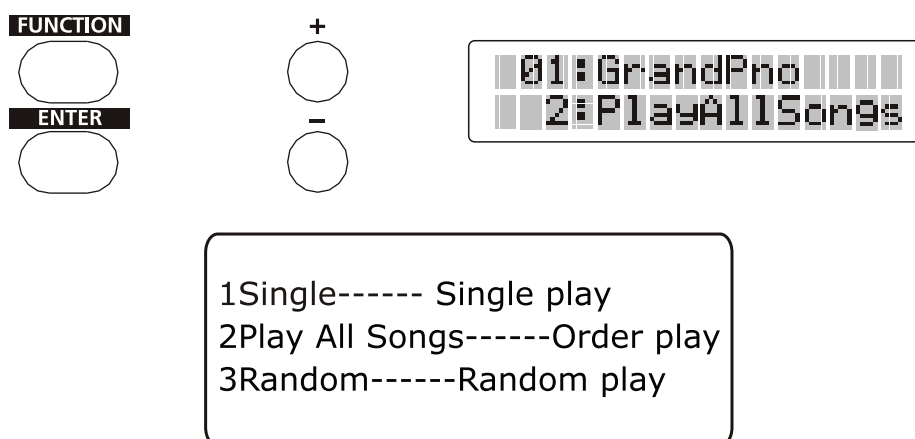
USB Play Mode

Midi file playing mode in the USB Flash Drive can be set here. Three playing method can be selected.

In this page, you can select the setting for the song. It is possible in fact to play the songs listed in the USB disk.

Press [FUNCTION] button repeatedly to select "usb Setting?".

Press [ENTER] button to confirm, use [+] and [-] button to select "USB Play Mode?", Press [ENTER] button to confirm, use [+] and [-] button to select USB play mode: 1Single, 2Play All Songs, 3Random.

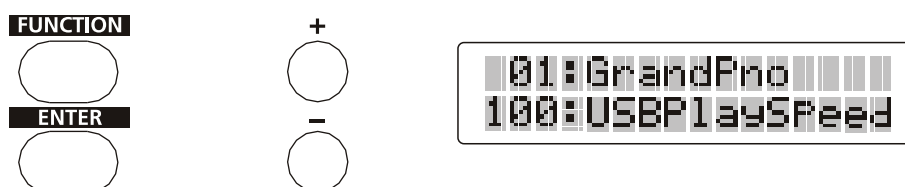


USB Play Speed

This function allows you to select the play back speed for USB on the piano.

Press [FUNCTION] button repeatedly to select "usb Setting?".

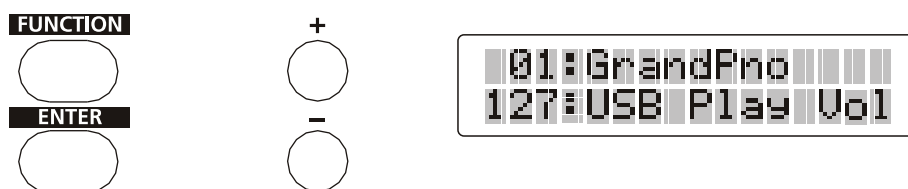
Press [ENTER] button to confirm, use [+] and [-] button to select "USB Play Speed?", Press [ENTER] button to confirm, use [+] and [-] button to select USB play speed value.



USB Play Volume

This function allows you to adjust the USB play back volume of the piano.

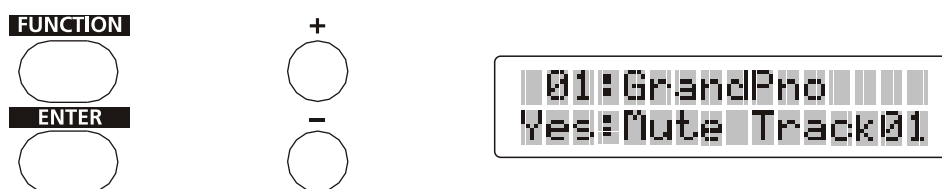
Press [FUNCTION] button repeatedly to select "usb Setting?". Press [ENTER] button to confirm, use [+] and [-] button to select "USB PlayVol?", Press [ENTER] button to confirm, use [+] and [-] button to select USB play volume value.



USB Mute Track

This function allows you to mute a track on the USB play back of the piano. You can mute any track from 01-16 by selecting it in this function menu. The default is all tracks number

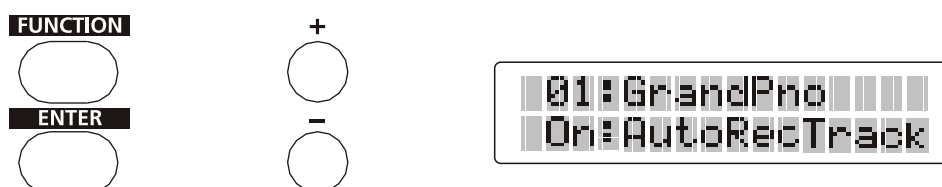
Press [FUNCTION] button repeatedly to select "usb Setting?". Press [ENTER] button to confirm, use [+] and [-] button to select "USB Mute Track?", Press [ENTER] button to confirm, use [+] and [-] button to select "Mute Track01"~"Mute Track16". Press [ENTER] button to confirm, use [+] and [-] button to set Yes or No for the track to mute.



Auto RecTrack

Here you can turn on or turn off AUTO TRACK function for recording mode. And the setting will be saved automatically when the power is off.

Press [FUNCTION] button repeatedly to select "usb Setting?". Press [ENTER] button to confirm, use [+] and [-] button to select "Auto RecTrack?", press [ENTER] button to confirm, use [+] and [-] button to select On or Off.



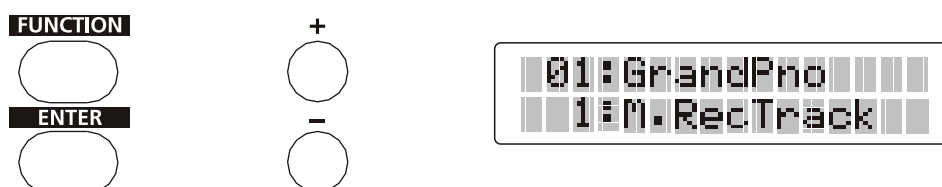
OnAutoTrk----- when you want to record more tracks data, select AutoTrkOn, the instrument brain will assign the next track for you automatically.

OffAutoTrk----- When you want to select tracks by yourself, here you have to select Off AutoTrk function first, then press [FUNCTION] button on the panel to select the track you want.

Main RecTrack

This function allows you to select main voice track on the USB record of the piano.

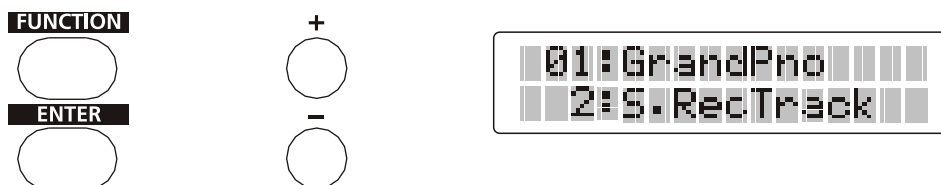
Press [FUNCTION] button repeatedly to select "usb Setting?". Press [ENTER] button to confirm, use [+] and [-] button to select "Main RecTrack?", press [ENTER] button to confirm.



Split RecTrack

This function allows you to select split voice track on the USB record of the piano.

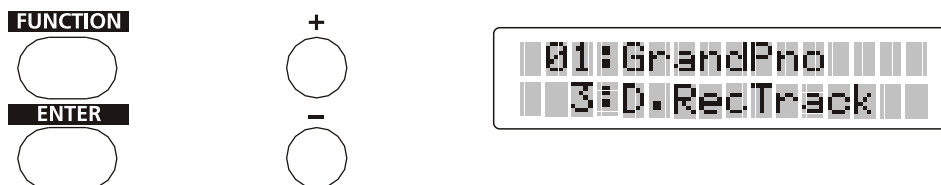
Press [FUNCTION] button repeatedly to select "usb Setting?". Press [ENTER] button to confirm, use [+] and [-] button to select "Split RecTrack?", press [ENTER] button to confirm.



Dual RecTrack

This function allows you to select dual voice track on the USB record of the piano.

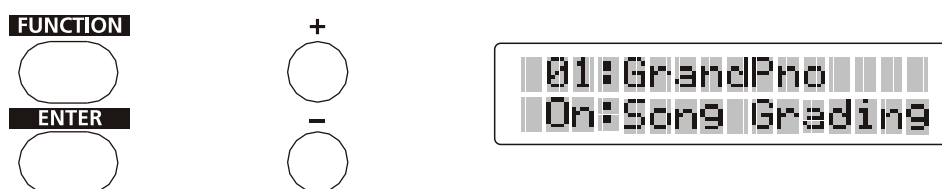
Press [FUNCTION] button repeatedly to select "usb Setting?". Press [ENTER] button to confirm, use [+] and [-] button to select "Dual RecTrack?", press [ENTER] button to confirm.



Song Grading

This function is in the song learning mode, when playing songs, it will automatically score based on your performance: 01~100.

Press [FUNCTION] button repeatedly to select "Other Setting?". Press [ENTER] button to confirm, use [+] and [-] button to select "Song Grading?", press [ENTER] button to confirm, use [+] and [-] button to select On or Off.



On----- Turn on the song grading function.

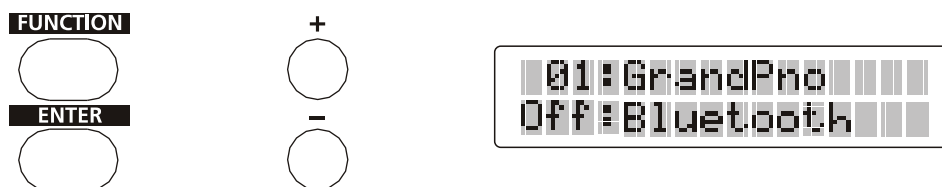
Off----- Turn off the song grading function.

Bluetooth

Plug the tiny Bluetooth receiver into the allotted slot on the connector panel to stream audio from Bluetooth devices onto your piano.

This function allows you to turn Bluetooth on or off while the receiver is engaged, the default setting is Bluetooth off.

Press [FUNCTION] button repeatedly to select "Other Setting?". Press [ENTER] button to confirm, use [+] and [-] button to select "Bluetooth?", press [ENTER] button to confirm, use [+] and [-] button to select On or Off.



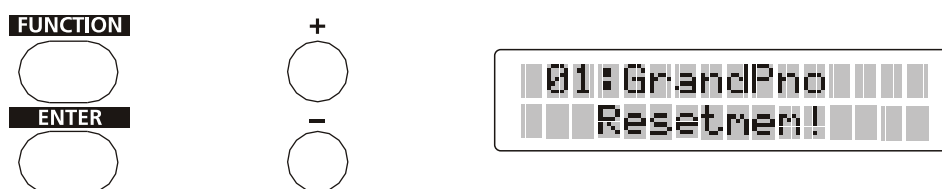
On----- Turn on the Bluetooth function.

Off----- Turn off the Bluetooth function.

Reset

You can Reset your piano to the initial factory settings. Please be aware that this will erase all saved data from the User buttons and the Registration memory banks.

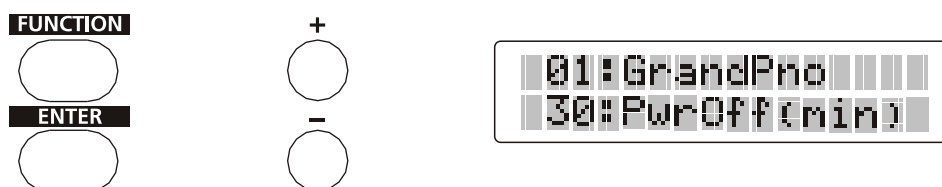
Press [FUNCTION] button repeatedly to select "Other Setting?". Press [ENTER] button to confirm, use [+] and [-] button to select "Reset?", press [ENTER] button to confirm.



Auto Power Off

This piano will automatically power off after a preset time of inactivity. Set the length of standby time before a power down in this function menu.

Press [FUNCTION] button repeatedly to select "Other Setting?". Press [ENTER] button to confirm, use [+] and [-] button to select "Auto Power Off?", press [ENTER] button to confirm, use [+] and [-] button to select auto power off time: 20min~60min or Off.



Registration Memory

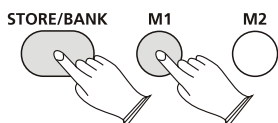
Your piano can store 5 groups and 4 banks of panel settings. By pressing the corresponding memory button, you can recall these settings rapidly. You can preset the panel settings to match your performance and save them to the registration memory positions.

Store

Press the [STORE/BANK] button repeatedly to select (1MmryBank~4MmryBank)



Hold the [STORE/BANK] button, then press the [M1-M5] button. The current panel settings will be stored in the memory.

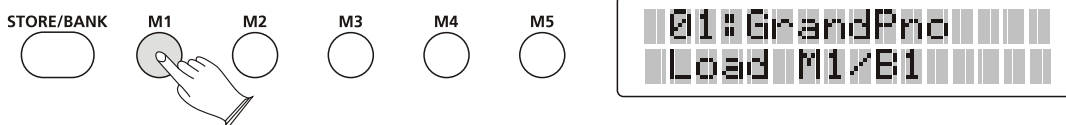


Load

Press the [STORE/BANK] button repeatedly to select (1MmryBank~4MmryBank)



Press the [M1-M5] buttons to recall the data you have stored. The LCD will show the panel settings as well as memory position number.



NOTE

Anytime you store to a REGISTRATION MEMORY button, all settings previously stored in that button will be erased and replaced by the new settings.

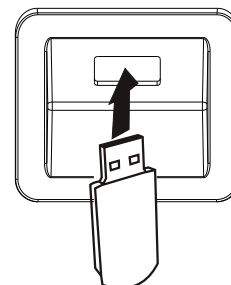
Freeze Function

Press the [FREEZE] button to turn on or off the freeze function. When the freeze function is on, the memory settings can be recalled except the accompaniment settings. You can use the registration memory function but not affect the accompaniment.



Saving Registration Data to USB Disk

Insert the USB Disk into the USB terminal.



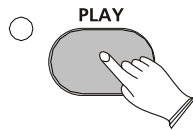
Press the [SAVE TO] button repeatedly to select "Save REG To USB?", then press [+] button, display shows SAVE OK!

A message "xx: REG__xxx" ("xx" indicates this file's sequence Number In Udisk. "REG__xxx" indicates registration file number) appears, indicating your Registration Memory Settings are saved to USB Disk, with 20 Registrations stored to a single file.



Read Registration Data to USB Disk

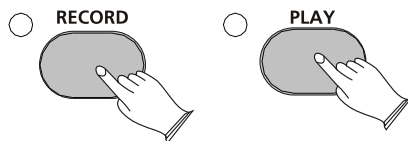
Insert the USB Disk into the USB terminal. Use [+] and [-] button to select REG file, then press [PLAY] button, display shows "Load Ok!".



20 Registrations will be loaded to the memory store (4*5) on the panel. You can recall the information you have loaded by pressing M1-M5.

Delete REG File from USB

Insert the USB Disk into the USB terminal. Use [+] and [-] button to select REG file you want to delete, then hold down the [RECORD] button and press [PLAY] button. LCD shows:



Press [+] button to delete the file.
Press [-] button to cancel the file.

Recording

This digital piano lets you record your performances and Registration settings to a USB Disk. Each user song lets you record up to sixteen independent tracks. These include not only the voices for the keyboard performance, but also the auto accompaniment parts.

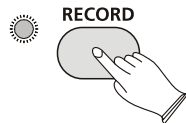
It provides two different ways to record: USB Recording and Melody Track Recording. Melody Track Recording, which can save into local memory. Two Tracks recording can be save into USB disk as a MIDI File and the MIDI file in the USB disk can be load to local memory.

Quick Recording

1.1. Insert the USB Disk into the USB Terminal

1.2. Start Recording

Press the [RECORD] button and the button indicator is flashing, then you can start recording.(The first one measures are tempo prompt only. It cannot record any data).



1.3. Stop Recording

Press [RECORD] button again to stop recording. Recording stops and your performance is written to the song. The song to which your performance is recorded is automatically named xxSONGxx (xx indicates this file's sequence Number in Udisk. SONGxx indicates the recording file number). You can edit the song as desired by computer or midi edit soft.

Quick Recording automatically makes track assignments as below:

Track 1----- Main Voice
Track 2----- Split Voice
Track 3----- Dual Voice

Multi Track Recording

Multi track recording provides two ways to record:

1. Use Auto Track Assignment.
2. Select Tracks by yourself.

1. Use Auto Track Assignment

1.1 Insert the USB disk into the USB terminal

1.2 Turn the Auto Track On

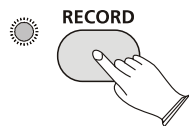
Reference: Function Auto Track (P.40).

1.3 Press the [RECORD] button to start recording.

(The first one measures are tempo prompt only. It cannot record any data).

1.4 Press [RECORD] button again to stop recording.

Recording stops and your performance is written to the song. The song to which your performance is recorded is automatically named xxSONG xx (xx indicates the song file number. SONGxx is the song's name).



1.5 Hold down [USB MEMORY] button, then press [RECORD] button to Recording.

1.6 Use the same operation as step 5 to record more tracks. The name of the new file will be saved in sequence.

2. Select Tracks by yourself.

2.1 Insert the USB disk Into the USB terminal.

2.2 Turn the Auto Track Off

Reference: Function Auto Track(P.40).

2.3 Press the [RECORD] button to start recording.

(The first one measures are tempo prompt only. It cannot record any data).

2.4 Press [RECORD] button again to stop recording.

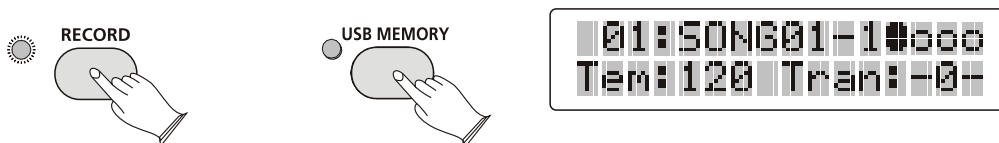
Recording stops and your performance is written to the song. The song to which your performance is recorded is automatically named "xxSONG xx" ("xx" indicates the song file number. "SONGxx" is the song's name).

2.5 Select Recording Track

Reference: "Main Rec Track", "Split Rec Track", "Dual Rec Track" (P.40~P.41).

If you record Main Voice only, please turn off the Split Track and Dual Track.

2.6 Hold down the [USB MEMORY] button, then press [RECORD] button, when the recording is finished, the recording file will be saved as a new file named "01:SONG01-1".

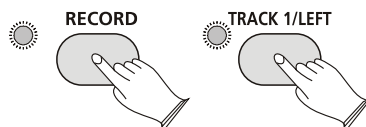


2.7 Use the same operation as Step 5 and Step 6 to record more tracks. The name of the new file will be saved in sequence.

Melody Track Recording

3.1 Melody Track1 Recording

Hold down the [RECORD] button, and then press the [TRACK1/LEFT] button, the [TRACK1/LEFT] and the [RECORD] indicator flashes to indicate ready to record. You can start recording simply by playing the key board.



Press the [RECORD] button again to stop recording and the data will save to local memory track 1.

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.

The TRACK 1 can only record the melody, if you want to record the rhythm, please record in the TRACK 2.

3.2 Melody Track2 Recording

Hold down the [RECORD] button, and then press the [TRACK2/RIGHT] button, the [TRACK2/RIGHT] and the [RECORD] indicator flashes to indicate ready to record. You can start recording simply by playing the key board.

Press the [RECORD] button again to stop recording and the data will save to local memory track 2.

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.

3.3 Play the Local Track Recording

Press the [PLAY] 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.

3.4 Delete the Local Track Recording

If the TRACK 1 has data recorded, hold the [TRACK 1/LEFT] button for 3 seconds and the LCD will display: "Delete Track1?". Then use [+] button to delete the Track 1 Recording.

If the TRACK 2 has data recorded, hold the [TRACK 2/RIGHT] button for 3 seconds and the LCD will display: "Delete Track2?". Then use [+] button to delete the Track 2 Recording.

Saving the Recording to USB Disk

Insert the USB Disk into the USB terminal.

Press the [SAVE TO] button repeatedly to select: Save TCK To USB, then press [+] button, display shows SAVE OK!

A message "xx:Song xx" (xx indicates this file's sequence Number in Udisk. Songxx indicates registration file number) appears, indicating your record are saved to USB Disk.



Saving the MIDI to USB Disk

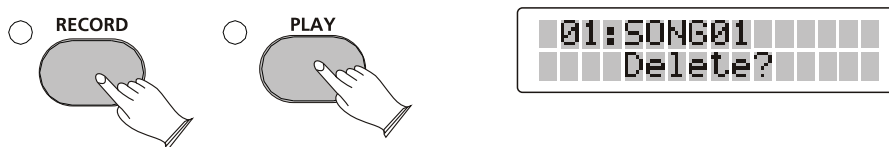
Insert the USB Disk into the USB terminal.

Press the [SAVE TO] button repeatedly to select "Load MIDI File?", then press [+] button, display shows "Load OK!".



Delete Song

Insert the USB Disk into the USB terminal. Use the [+] and [-] button to select SONGxx file you want to delete, hold down the [PLAY] button and press the [RECORD] button .



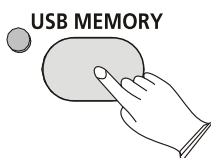
Press [+] button to delete the file.

Press [-] button to cancel the file.

USB Memory Button

Use this button you can switch to USB mode immediately even the keyboard is in any of other mode.

Insert the USB DISK into the USB socket, press the [USB MEMORY] button, if your disk is locked or on supported file in it, the display will show: No Files.



Mute Track

Use this function you can turn on or turn off any tracks before song playing or recording.

Reference: Function "USB Mute Track"(P39).

Adjust the Song's volume

Use the [Function] button to adjust the Song's volume to your desired level.

Reference: Function "USB Play Volume"(P.39).

USB Play Speed

Use the [Function] button to select the play back speed for USB on the piano.

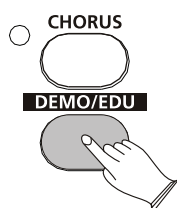
Reference: Function "USB Play Speed"(P.38).

Teaching Function

There are 55 learning songs built into this Piano for your musical enjoyment. These songs have separate left and right-hand parts that can be turned on and off as required so you can practice the corresponding part on the piano.

Selecting a Song

Turn on the song mode by holding down the [DEMO/EDU] button. The song number will appear on the LCD display, the [PLAY] button indicator in flashing



*				SONG01				*	000	*
				Tem:140				Tran:-0-		

Use the [+] and [-] buttons to select a song. Press the [PLAY] button to start learn the song, the [PLAY] button indicator in light.

Listening to the Entire Song

- 1). With the play along song mode engaged, press the [PLAY] button to hear both hand parts playing the entire song.
- 2). Press the [DEMO/EDU] button again to stop.

Practicing the Right Hand of the selected song

- 1). With the play along song mode engaged, press the [TRACK2/RIGHT] button to mute the right hand part. The right indicator lights up.

- 2). Press the [PLAY] button. Its indicator lights up and you will hear the metronome "count in" the song. You will then hear the left-hand part.
- 3). Play the right-hand part of your selected song while the left-hand part plays.
- 4). Press the [PLAY] button again to stop. Otherwise, playback will stop automatically at the end of the song.

Practicing the Left Hand of the Selected Song

Follow steps 1-4 listed above, substituting the LEFT button whenever RIGHT button is mentioned. You will hear the right-hand part of your selected song. Play the left-hand part of your selected song while the right-hand part plays.

Practicing the Both Hand of the Selected Song

- 1). Holding down the [DEMO/EDU] button, the play along song mode is engaged.
- 2). Press the [TRACK1/LEFT] button first, then the [TRACK2/RIGHT] button.
- 3). Press the [PLAY] button. Its indicator lights up and you will hear the metronome "count in" the song.
- 4). Play the left-hand and right-hand parts of your selected song.
- 5). Press the [PLAY] button again to stop.
- 6). Press the [DEMO/EDU] button to exit.

NOTE

When you finishes your performance, the function will automatically score your performance ranging 1 to 100. Reference: "Grading" in function menu. (P.42)

Bluetooth

Bluetooth Connection

Plug this tiny unit into the allotted slot on the connector panel and stream high-quality audio from Bluetooth devices like your smartphone, tablet or computer. Now you will be able to listen to music files and music apps from your Bluetooth - enabled devices on your piano.

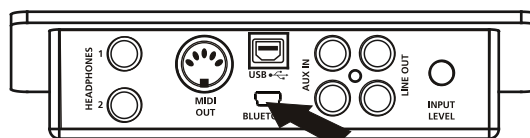


SPECIFICATIONS

Compliant with Bluetooth 2.1+EDR specs 4dBm output max power
Operates in 2.402-2.480 GHz ISM band 80dBm receiver sensitivity

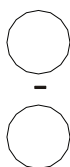
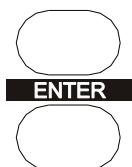
The included Bluetooth receiver turns your piano into a home entertainment center for the entire family and allows you to play along with your favorite hits.

1). Make sure that the piano is powered off, if not please press the [POWER] button to do so. Insert the Bluetooth receiver into the Bluetooth slot located on the connector panel on the left side of the piano underneath the key-bed.



2). Press the [POWER] button to turn the piano on. The blue indicator light on the Bluetooth receiver will flash.

3). Press [FUNCTION] button repeatedly to select "Other Setting?". Press [ENTER] button to confirm, use [+] and [-] button to select "Bluetooth?", press [ENTER] button to confirm, use [+] and [-] button to select On or Off.



On----- Turn on the Bluetooth function.

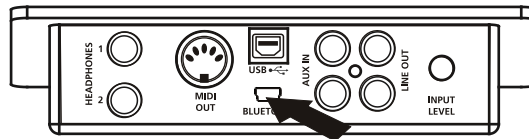
Off----- Turn off the Bluetooth function.

4). You will find the receiver as an option on your Bluetooth device's settings, select the bluetooth form your device to connect. When the receiver has successfully connected the blue indicator light on the receiver will remain on.

Use your Bluetooth device to access the information that you want to hear through the piano.

The keyboard is available for playing while the recording is playing back. Play along with your favourite band!

5). Use the Function Bluetooth menu again to turn Bluetooth off.



NOTE

Bluetooth devices should be placed near and in direct view of the Bluetooth receiver when initially set up. The distance and strength of the signal will depend on environmental conditions. Please make sure the volume of the piano and the Bluetooth device is turned up. If you are unable to connect to your Bluetooth device, please make sure that any other previously connected device has been disconnected.

If you are still unable to connect, please turn the Bluetooth function on your device off, and then back on to attempt to connect. To change Bluetooth devices during normal operation disconnect the first Bluetooth and then reconnect to the new device following the above instructions. Please also note, due to differences in Bluetooth technology, some Bluetooth enabled devices maybe incompatible, function improperly, or may not support all features when used with the wireless receiver.

Troubleshooting

Please make sure the volume of the piano and the Bluetooth device is turned up. If you are unable to connect to your Bluetooth device, please make sure that any other previously connected device has been disconnected. If you are still unable to connect, please turn the Bluetooth function on your device off, and then back on to attempt to connect. To change Bluetooth devices during normal operation disconnect the first Bluetooth and reconnect to the new device following the above instructions.

MIDI Functions

If you are an advanced MIDI user, this section will help you to access the MIDI controller capabilities of the piano. If you already know that you need this specialized functionality, then this section is for you. However, this information is not necessary in order to enjoy playing the piano. A good rule to keep in mind is: If you don't know what a function described in this section is, then you probably don't need it.

MIDI, or Musical Instrument Digital Interface, is the way most electronic keyboards communicate with computers and with each other. Through a series of MIDI messages a computer or keyboard can tell an instrument what note to play, how loud to play it, when to stop playing it, and a host of other information.

The piano can send MIDI information to a computer or another MIDI-capable instrument, via its MIDI or USB output.

MIDI In Track

Reference: Function "USB MIDI IN"(P.37).

MIDI Out

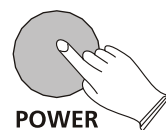
Reference: Function "MIDI OUT"(P.37).

Local ON/OFF

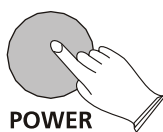
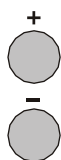
Reference: Function "ALL LOCAL"(P.36).

Factory Reset

1. Turn off the power.



2. Hold [+] and [-] buttons, then turn the power on.
It can restore all internal settings to factory set.



Appendix

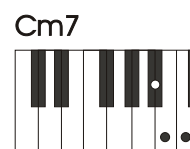
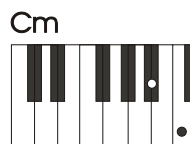
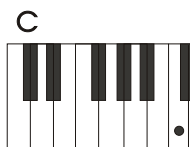
Auto Accompaniment Fingering

Single Mode

SINGLE Mode fingering makes it simple to produce beautifully orchestrated accompaniment by using major, seventh, minor and minor-seventh chords by pressing a minimum number of keys in the Auto Accompaniment section of the keyboard. The accompaniment produced is perfectly matched to the currently selected accompaniment style.

Major Chords

If you press a "C" key in the left-hand section of the keyboard, for example, a C-major accompaniment will be played. Press another key in the left hand section of the keyboard to select a new chord. The key you press will always determine the "root" of the chord played (i.e. "C" for a C chord).



Minor Chords

Simultaneously press the root key and a black key to its left.

Seventh Chords

Simultaneously press the root key and a white key to its left.

Minor-Seventh Chords

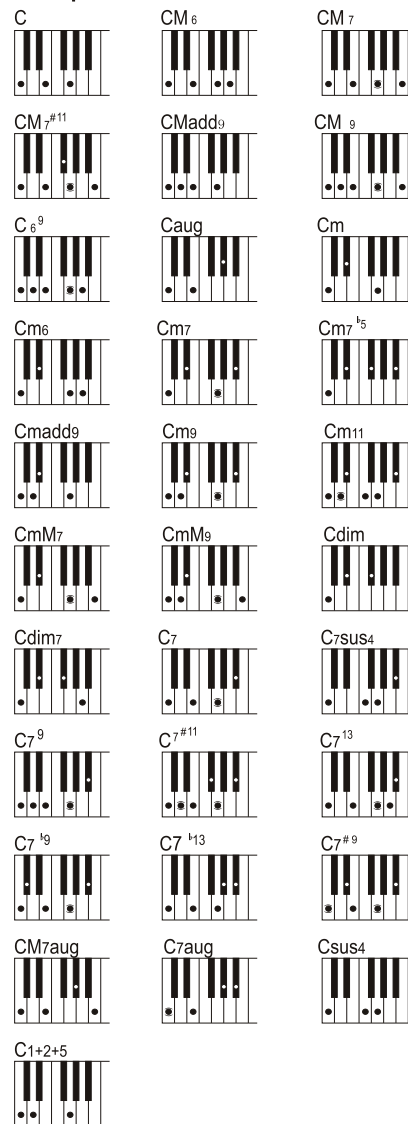
Simultaneously press the root key and both a white and black key to its left.

Fingered Mode

Fingered Mode is ideal if you already know how to play chords on a keyboard, since it allows you to supply your own chords for the Auto Accompaniment feature. The instrument will recognize the following chord type:

Name	Normal Voicing	Chord(C)	Display
[M]	1-3-5	C	C
[6]	1-(3)-5-6	C6	C6
[M7]	1-3-(5)-7or1-(3)-5-7	CM7	CM7
[M7#11]	1-(2)-3- [#] 4-5-7 or 1-2-3- [#] 4-(5)-7	CM7 [#] 11	CM7([#] 11)
[Madd9]	1-2-3-5	CMadd9	C(9)
[M9]	1-2-3-(5)-7	CM9	CM7(9)
[6 9]	1-2-3-(5)-6	C6 9	C6(9)
[aug]	1-3- [#] 5	Caug	Caug
[m]	1- ^b 3-5	Cm	Cm
[m6]	1- ^b 3-5-6	Cm6	Cm6
[m7]	1- ^b 3-(5)- ^b 7	Cm7	Cm7
[m7b5]	1- ^b 3- ^b 5- ^b 7	Cm7 ^b 5	Cm7 ^b 5
[madd9]	1-2- ^b 3-5	Cmadd9	Cm(9)
[m9]	1-2- ^b 3-(5)- ^b 7	Cm9	Cm7(9)
[m11]	1-(2)- ^b 3-4-5-(^b 7)	Cm11	Cm7(11)
[mM7]	1- ^b 3-(5)-7	CmM7	CmM7
[mM9]	1-2- ^b 3-(5)-7	CmM9	CmM7(9)
[dim]	1- ^b 3- ^b 5	Cdim	Cdim
[dim7]	1- ^b 3- ^b 5-6	Cdim7	Cdim7
[7]	1-3-(5)- ^b 7 or 1-(3)-5- ^b 7	C7	C7
[7sus4]	1-4-(5)- ^b 7	C7sus4	C7sus4
[7 9]	1-2-3-(5)- ^b 7	C7 9	C7(9)
[7#11]	1-(2)-3- [#] 4-5- ^b 7 or 1-2-3- [#] 4-(5)- ^b 7	C7 [#] 11	C7([#] 11)
[7 13]	1-3-(5)-6- ^b 7	C7 13	C7(13)
[7b9]	1- ^b 2-3-(5)- ^b 7	C7 ^b 9	C7(^b 9)
[7b13]	1-3-5- ^b 6- ^b 7	C7 ^b 13	C7(^b 13)
[7#9]	1- [#] 2-3-(5)- ^b 7	C7 [#] 9	C7([#] 9)
[M7aug]	1-(3)- [#] 5-7	CM7aug	CM7aug
[7aug]	1-3- [#] 5- ^b 7	C7aug	C7aug
[sus4]	1-4-5	Csus4	Csus4
[1+2+5]	1-2-5	C1+2+5	C

Example for “c” chords



The chord fingerings listed are all in root position, but other inversions can be use with the following exceptions:6, m6, sus4, aug, dim7, 6(9), m7(11), 1+2+5.

Percussion Voice List

Note#	Note	Standard(0)	Room(8)	Power(16)	Electronic(24)	Synth(25)	Dance(26)	Jazz(32)	Brush(40)	Classic(48)	Drum(56)	Effects(56)
24	C	Seq Click H	←	←	←	←	←	←	←	←	←	
25	#C	Brush Tap	←	←	←	←	←	←	←	←	←	
26	D	Brush Swift L	←	←	←	←	←	←	←	←	←	
27	#D	Brush Slap	←	←	←	←	←	←	←	←	←	
28	E	Brush Swift H	←	←	Rever se Cymbal	Rever se Cymbal	←	←	←	←	←	
29	F	Snare Roll	←	←	←	←	←	←	←	←	←	
30	#F	Castanet	←	←	Hi-Q	Hi-Q	←	←	←	←	←	
31	G	Snare L	←	SD Elec M	Snare L	SD Elec H2	←	Snare Jazz	Brush Slap L	←	Snaer H Soft 2	
32	#G	Sticks	←	←	←	←	←	←	←	←	←	
33	A	Bass Drum L	←	←	←	←	←	←	←	←	←	
34	#A	Open Rim Shot	←	←	←	←	←	←	←	←	Open Rim Shot 2	
35	B	Bass Drum M	←	←	BD Rock	BD Analog 1L	Dance Kick	←	←	Gran Casa	←	
36	C	Bass Drum H	←	BD Rock	BD Rock 2	BD Analog 1H	Dance 2	BD Jazz	BD Jazz	Gran Casa Mute	Bass Drum H 2	
37	#C	Side Stick	←	←	←	Analog Side Stick	Dance 3	←	←	←	←	
38	D	Snare M	SD Room L	SD Rock	SD Elec M	SD Analog 1H	Dance Snare 1	SD Jazz L	Brush Slap H	Marching SD M	Snare L2	
39	#D	Hand Clap	←	←	←	←	Dance 4	←	←	←	←	High-Q
40	E	Snare H	SD Room H	SD Rock Rim	SD Elec H	SD Analog 1L	Dance Snare 2	SD Jazz H	Brush Tap	Marching SD H	Snare H Hard 2	Slap
41	F	Floor Tom L	Room Tom 1	Rock Tom 1	E Tom 1	Analog Tom 1	Dance Tom 1	←	Brush Tom 1	←	←	Scratch Push
42	#F	Hi-Hat Closed	←	←	←	Analog HH Closed1	Dance Hita 1	←	←	←	←	Scratch Pull
43	G	Floor Tom H	Room Tom 2	Rock Tom 2	E Tom 2	Analog Tom 2	Dance Tom 2	←	Brush Tom 2	←	←	Sticks
44	#G	Hi-Hat Pedal	←	←	←	Analog HH Closed2	Dance Hita 2	←	←	←	←	Square Click
45	A	Low Tom	Room Tom 3	Rock Tom 3	E Tom 3	Analog Tom 3	Dance Tom 3	←	Brush Tom 3	←	←	Mtrnm .Click
46	#A	Hi-Hat Open	←	←	←	Analog HH 1 Open	Dance Hita 3	←	←	←	←	Mtrnm. Bell
47	B	Mid Tom L	Room Tom 4	Rock Tom 4	E Tom 4	Analog Tom 4	Dance Tom 4	←	Brush Tom 4	←	←	Gt.FretNoiz
48	C	Mid Tom H	Room Tom 5	Rock Tom 5	E Tom 5	Analog Tom 5	←	←	Brush Tom 5	←	←	Gt.CutNoise
49	#C	Crash Cymbal 1	←	←	←	Analog Cymbal	Dance Cha 1	←	←	Hand Cym.L Open	←	Gt.CutNoise
50	D	High Tom	Room Tom 6	Rock Tom 6	E Tom 6	Analog Tom 6	←	←	Brush Tom 6	←	←	String Slap
51	#D	Ride Cymbal 1	←	←	←	←	←	←	←	Hand Cym.L Closed	←	Fl.KeyClick
52	E	Chinese Cymbal	←	←	←	←	←	←	←	←	←	Laughing
53	F	Ride Cymbal Clo	←	←	←	←	←	←	←	←	←	Screaming
54	#F	Tambourine	←	←	←	←	Dance Ling	←	←	←	←	Punch
55	G	Splash Cymbal	←	←	←	←	←	←	←	←	←	Heart Beat
56	#G	CowBell	←	←	←	Analog Cowbell	←	←	←	←	←	Footsteps 1
57	A	Crash Cymbal 2	←	←	←	←	Dance Cha 2	←	←	Hand Cym.H Open	←	Footsteps 2
58	#A	Vibraslap	←	←	←	←	←	←	←	←	←	Applause
59	B	Ride Cymbal 2	←	←	←	←	←	←	←	Hand Cym.H Closed	←	Door Creaking
60	C	Bongo H	←	←	←	←	←	←	←	←	←	Door
61	#C	Bongo L	←	←	←	←	←	←	←	←	←	Scratch
62	D	Conga H Mute	←	←	←	Analog Conga H	←	←	←	←	←	Wind Chimes
63	#D	Conga H Open	←	←	←	Analog Conga M	←	←	←	←	←	Car-Engine
64	E	Conga L	←	←	←	Analog Conga L	←	←	←	←	←	Car-Stop
65	F	Timbale H	←	←	←	←	←	←	←	←	←	Car-Pass
66	#F	Timbale L	←	←	←	←	←	←	←	←	←	Car-Crash
67	G	Agogo H	←	←	←	←	←	←	←	←	←	Siren
68	#G	Agogo L	←	←	←	←	←	←	←	←	←	Train
69	A	Cabasa	←	←	←	←	←	←	←	←	←	Jetplane
70	#A	Maracas	←	←	←	Analog Maracas	Dance 5	←	←	←	←	Helicopter
71	B	Samba Whistle H	←	←	←	←	Dance 6	←	←	←	←	Starship
72	C	Samba Whistle L	←	←	←	←	Dance 7	←	←	←	←	Gun Shot
73	#C	Cuio Short	←	←	←	←	Dance 8	←	←	←	←	Machine Gun
74	D	Cuio Long	←	←	←	←	Dance 9	←	←	←	←	LaserGun
75	#D	Claves	←	←	←	Analog Claves	Dance 10	←	←	←	←	Explosion
76	E	Wood Block H	←	←	←	←	←	←	←	←	←	Dog
77	F	Wood Block L	←	←	←	←	Dance 11	←	←	←	←	HorseGallop
78	#F	Guica Mute	←	←	Scratch Push	Scratch Push	Dance 12	←	←	←	←	Bird
79	G	Guica Open	←	←	Scratch Pull	Scratch Pull	←	←	←	←	←	Rain
80	#G	Triangle Mute	←	←	←	←	←	←	←	←	←	Thunder
81	A	Triangle Open	←	←	←	←	Dance 13	←	←	←	←	Wind
82	#A	Shaker	←	←	←	←	Dance 14	←	←	←	←	Seashore
83	B	Jingle Bell	←	←	←	←	←	←	←	←	←	Stream
84	C	Bell Tree	←	←	←	←	Dance Ps3	←	←	←	←	BuBBle

Voice List

NO.	PROGRAM CHANGE	BANK	VOICE NAME
Piano			
01	0	0	AcousticGrandPiano
02	1	0	BrighAcousticPiano
03	2	0	ElectricGrandPiano
04	3	0	Honky-TonkPiano
05	4	0	Electricpiano1
06	5	0	ElectricPiano2
07	6	0	Harpichord
08	7	0	Clavi
Chromatic Percussion			
09	8	0	Celesta
10	9	0	Glockenspiel
11	10	0	MusicBox
12	11	0	Vibraphone
13	12	0	Marimba
14	13	0	Xylophone
15	14	0	TubularBells
16	15	0	Dulcimer
Organ			
17	16	0	DrawbarOrgan
18	17	0	PercussiveOrgan
19	18	0	RockOrgan
20	19	0	ChurchOrgan
21	20	0	ReedOrgan
22	21	0	Accordion
23	22	0	Harmonica
24	23	0	TangoAccordion
Guitar			
25	24	0	AcousticGuitar(Nylon)
26	25	0	AcousticGuitar(Steel)
27	26	0	ElectricGuitar(Jazz)
28	27	0	ElectricGuitar(Clean)
29	28	0	ElectricGuitar(Muted)
30	29	0	OverdrivenGuitar
31	30	0	DistortionGuitar
32	31	0	GuitarHarmonics
Bass			
33	32	0	AcousticBass
34	33	0	FingerBass
35	34	0	PickBass
36	35	0	FretlessBass
37	36	0	SlapBass1
38	37	0	SlapBass2
39	38	0	SynthBass1
40	39	0	SynthBass2
Strings			
41	40	0	Violin
42	41	0	Viola
43	42	0	Cello
44	43	0	Contrabass
45	44	0	TremoloStrings
46	45	0	PizzicatoStrings
47	46	0	OrchestralHarp
48	47	0	Timpani
Ensemble			
49	48	0	StringsEnsemble1
50	49	0	StringsEnsemble2

NO.	PROGRAM CHANGE	BANK	VOICE NAME
51	50	0	Synth Strings 1
52	51	0	Synth Strings 2
53	52	0	Choir Aahs
54	53	0	Voice Oohs
55	54	0	Synth Voice
56	55	0	Orchestra Hit
Brass			
57	56	0	Trumpet
58	57	0	Trombone
59	58	0	Tuba
60	59	0	Muted Trumpet
61	60	0	French Horn
62	61	0	Brass Section
63	62	0	Synth Brass 1
64	63	0	Synth Brass 2
Reed			
65	64	0	Soprano Sax
66	65	0	Alto Sax
67	66	0	Tenor Sax
68	67	0	Baritone Sax
69	68	0	Oboe
70	69	0	English Horn
71	70	0	Bassoon
72	71	0	Clarinet
Pipe			
73	72	0	Piccolo
74	73	0	Flute
75	74	0	Recorder
76	75	0	Pan Flute
77	76	0	Blown Bottle
78	77	0	Shakuhachi
79	78	0	Whistle
80	79	0	Ocarina
Synth Lead			
81	80	0	Lead 1 (Square)
82	81	0	Lead 2 (Sawtooth)
83	82	0	Lead 3 (Calliope)
84	83	0	Lead 4 (Chiff)
85	84	0	Lead 5 (Charang)
86	85	0	Lead 6 (Voice)
87	86	0	Lead 7 (Fifth)
88	87	0	Lead 8 (Bass+Lead)
Synth Pad			
89	88	0	Pad 1 (New Age)
90	89	0	Pad 2 (Warm)
91	90	0	Pad 3 (Polysynth)
92	91	0	Pad 4 (Choir)
93	92	0	Pad 5 (Bowed)
94	93	0	Pad 6 (Metallic)
95	94	0	Pad 7 (Halo)
96	95	0	Pad 8 (Sweep)
Synth Effects			
97	96	0	Fx 1 (Rain)
98	97	0	Fx 2 (Soundrack)
99	98	0	Fx 3 (Crystal)
100	99	0	Fx 4 (Atmosphere)
101	100	0	Fx 5 (Brightness)

NO.	PROGRAM CHANGE	BANK	VOICE NAME
102	101	0	Fx 6 (Goblins)
103	102	0	Fx 7 (Echoes)
104	103	0	Fx 8 (Sci-Fi)
Ethnic			
105	104	0	Sitar
106	105	0	Banjo
107	106	0	Shamisen
108	107	0	Koto
109	108	0	Kalimba
110	109	0	Bagpipe
111	110	0	Fiddle
112	111	0	Shanai
Percussive			
113	112	0	Tinkle Bell
114	113	0	Agogo
115	114	0	Steel Drums
116	115	0	Woodblock
117	116	0	Taiko Drum
118	117	0	Melodic Tom
119	118	0	Synth Drum
120	119	0	Reverse Cymbal
Sound Effects			
121	120	0	Guitar Fret Noise
122	121	0	Breath Noise
123	122	0	Seashore
124	123	0	Bird Tweet
125	124	0	Telephone Ring
126	125	0	Helicopter
127	126	0	Applause
128	127	0	Gunshot
Piano			
129	4	98	DetunedEP1
130	5	98	DetunedEP2
131	6	98	CoupledHarpichord
132	14	98	Dulcimer
Organ			
133	16	98	DetunedOrgan 1
134	17	98	Percussive Organ
135	19	98	Reed Organ
136	21	98	Harmonica1
Guitar			
137	24	98	Steel Guitar
138	25	90	StringGuitar
139	25	98	Jazz Guitar
140	26	98	Clean Guitar
141	27	98	Muted Guitar
142	28	98	Overdriven Guitar
143	30	98	Guitar Harmonics
Bass			
144	31	98	Acoustic Bass 1
145	38	98	SynthBass
Strings			
146	39	98	Violin 1
147	40	98	Viola
Ensemble			
148	48	98	Synth Strings 1
149	50	98	Choir Aahs

Style List

NO	STYLE NAME
8 BEAT	
01	8BEAT MODERN
02	MERSEY BEAT
03	SURF POP
04	ROCK SHUFFLE
05	60'S ROCK
06	HARD ROCK
07	8BEAT
08	80'S ROCK
16 BEAT	
09	16 BEAT1
10	16 BEAT2
11	POP SHUFFLE
12	GUITAR POP
13	JAZZ ROCK
14	SWING FUNK
15	POP ROCK
BALLAD	
16	PIANO BALLAD
17	LOVE SONG
18	6/8 MODERN
19	6/8 SLOW ROCK
20	SHOW BALLAD
21	POP BALLAD
22	16BEAT BALLAD
DANCE	
23	RAP
24	DANCE POP
25	HOUSE
26	SWING HOUSE
27	CLUB DANCE
28	CLUB LATIN
29	GARAGE
30	TECHNO
31	DANCE 8BEAT
32	HIP HOP
33	CHILL OUT
DISCO	
34	70'S DISCO

NO	STYLE NAME
35	LATIN DISCO
36	DISCO POP
37	DISCO PARTY
38	DISCO FEVER
39	NEWYORK DISCO
SWING&JAZZ	
40	BIG BAND FAST
41	BIG BAND MID
42	BIG BAND BALLD
43	JAZZ CLUB
44	SWING
45	JAZZ BALLAD
46	DIXIE LAND
47	RAGTIME
48	STRIDE PIANO
49	MODERN JAZZ
R&B	
50	SOUL
51	DETROIT POP
52	RHYTHM&BLUES
53	6/8 SOUL
54	TWIST
55	ROCK&ROLL
56	BOOGIEWOOGIE
57	6/8 BLUES
58	3/4 GOSPEL
59	GOSPEL SHUFFLE
COUNTRY	
60	COUNTRY 8 BEAT
61	COUNTRY POP
62	COUNTRY SWING
63	COUNTRY 2 STEP
64	COUNTRY BALLAD
65	BLUE GRASS
66	COUNTRY WALTZ
LATIN	
67	MERENGUE
68	BOSSANOVA
69	POP BOSSA

NO	STYLE NAME
70	MAMBO POP
71	SALSA POP
72	BEGUINE 1
73	REGGAE
74	SWINGY REGGAE
BALLROOM	
75	DANCE BAND
76	ENGLISH WALTZ
77	FOXTROT
78	QUICK FOXTROT
79	QUICKSTEP
80	TANGO 1
81	HABENERA TANGO
82	PASODOBLE 1
83	SAMBA 1
84	CHACHA 1
85	JIVE
86	RHUMBA 1
87	VIENNESE WALTZ
TRADITIONAL	
88	2/4 MARCH
89	6/8 MARCH 1
90	2/4 POLKA
91	6/8 POLKA
92	TARANTELLA
93	SIRTAKI POP
94	SCOTTISH REEL
95	HAWAIIAN 1
96	MARIACHI
WALTZ	
97	SWING WALTZ
98	JAZZ WALTZ
99	WALTZ
100	FRENCH WALTZ
101	USER STYLE 01

MIDI Implementation Chart

Function	Transmitted	Recognized	Remarks
Basic Default	(*1)	1-16CH	
Channel Changed	(*1)	1-16CH	
Mode Default	Mode 3	Mode 3	
Messages	X	X	
Altered	*****	X	
Note	0~127	0~127	
Number : True voice	*****	0~127	
Velocity Note ON	O 9nH,v=1~127	O 9nH,v=1~127	
Note OFF	O 9nH,v=0 or 8nh	O 9nH,v=0 or 8nh	
After Key's	X	X	
Pitch Bender	X	O	
Control Change 0,32	O	O	Bank Select
1	X	O	Modulation
5	X	O	Portamento time
6	O	O	Data Entry
7	O	O	Volume
10	O	O	Pan
11	X	O	Expression
64	O	O	Sustain
65	X	O	Portamento
66	O	O	Sostenuto
67	O	O	Soft pedal
80,81	O	O	DSP TYPE
91,93	O	O	DSP DEPTH
100,101	O	O(*2)	RPN LSB,MSB
120	O	O	All sound off
121	X	O	Reset all Controllers
122	O	O	Local control
Program	O 0-127	O 0-127	
Change : True	0-127	0-127	
System Exclusive	X	O	
System : Song Position	X	X	
: Song Select	X	X	
Common : Tune	X	X	
Aux : Local on/off	O	O	
: All Notes Off	O	O	
Messages : Active Sense	X	O	
: Reset	X	O	

Mode1:OMNI ON,POLY Mode2:OMNI ON,MONO O: Yes
Mode3:OMNI OFF,POLY Mode4:OMNI OFF,MONO X: NO

- *1: Main voice track (01-16).Default: 01
Split voice track (01-16).Default: 02
Dual voice track (01-16).Default: 03
Percussion track (01-16).Default: 10
- *2: Registered parameter number:
#0: Pitch sensitivity
#1: Fine tuning cents
#2: Coarse tuning in half-tones

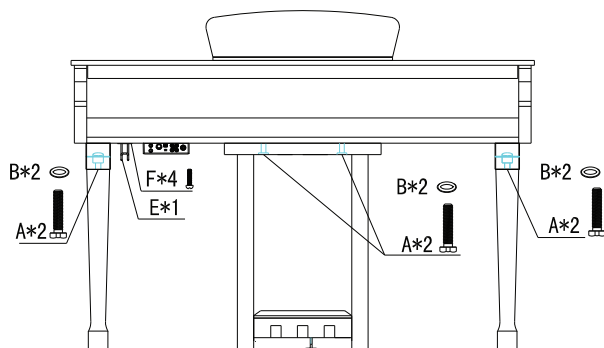
Troubleshooting Hints

<ul style="list-style-type: none"> • When the instrument is turned on or off, a Popping sound is temporarily produced. 	<p>This is normal and indicates that the instrument is receiving electrical power.</p>
<ul style="list-style-type: none"> • When using a mobile phone, noise is produced. Using a mobile phone in close proximity to the instrument may produce interference. 	<p>To prevent this, turn off the mobile phone or use it further away from the instrument.</p>
<ul style="list-style-type: none"> • Not all of the voices seem to sound, or the sound seems to cut off. 	<p>The instrument is polyphonic up to a maximum of 64 notes — including Dual voice, Split Voice, auto accompaniment, song, and Metronome. Notes exceeding this limit will not sound.</p>
<ul style="list-style-type: none"> • The Auto Accompaniment does not sound properly. 	<p>Make sure that the Auto Accomp Volume Function is set to an appropriate level. Is the Split Point set to an appropriate key for the chords you are playing? Set the Split Point to an appropriate position on the keyboard.</p>
<ul style="list-style-type: none"> • No sound produced by the keyboard, but the lights and screen work. 	<p>Check that the master volume control is not set to minimum. Check that nothing is plugged into the headphone socket.</p>
<ul style="list-style-type: none"> • The sound of the voice changes from note to note. 	<p>This is normal. The digital tone generation uses multiple recordings (samples) of an instrument across the range of the keyboard; The actual sound of the voice may be slightly different from note to note.</p>
<ul style="list-style-type: none"> • The volume is too soft. • The sound quality is poor. • The rhythm stops unexpectedly or will not play. • The recorded data of the song, etc. does not play correctly. • The LED display suddenly goes dark, and all panel settings are reset. 	<p>If you have lost or damaged your AC adaptor, please contact your nearest store for a correct replacement adaptor. An incorrect AC mains adaptor which is not rated sufficiently can cause malfunction or damage.</p>
<ul style="list-style-type: none"> • To completely restore all settings as per factory settings. 	<p>Perform a factory reset, Please refer to content in this owner's manual. All of the user setting will be erased and the default factory settings will be applied to the instrument.</p>
<ul style="list-style-type: none"> • Power suddenly and unexpectedly turns off, after a period of not touching the keys. 	<p>This is normal and the Auto Power Off function may have been activated. If you need to disable the Auto Power Off function, please see how to do this in the owner's manual.</p>
<ul style="list-style-type: none"> • The sustain pedal or footswitch seems to produce the opposite effect. Example pressing the footswitch deactivates the sustain, and releasing the footswitch triggers the sustain. 	<p>The polarity of the footswitch needs to be correctly detected. Make sure the jack plug for the footswitch is connected. Switch the instrument on whilst not touching the pedal.</p>

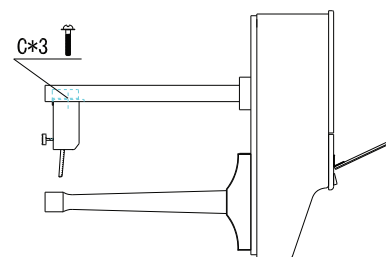
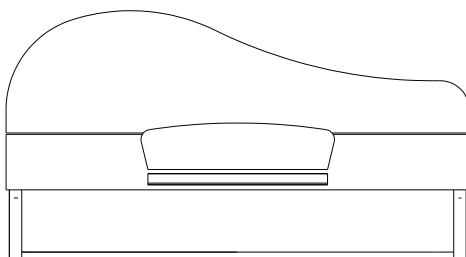
Specifications

Keyboards	88 Keys with Touch Response
Display	LCD display
Polyphony	64 Note Polyphonic
Voices	200
Voice Control	Volume, Transpose, Pan, Octave, Dual
Pedal	Sustain Pedal, Soft Pedal, Sostenuto Pedal
Effect	8 Reverb Types and Reverb Level 8 Chorus Types and Chorus Level EQ Bass Fader EQ Treble Fader
Style	101, Include 1 User Style
Keyboard Control	Split, DUO, 3 Touch Sensitivity and Fixed Touch Response
Song	71 songs (Include 55 Learning songs)
Record and Play	2 tracks of record and playback without USB DISK Songs and Registration Files can be saved to USB DISK
Registration Memory	4 x 5
Others	Metronome:(1/4, 2/4, 3/4, 4/4, 5/4, 6/4, 3/8, 6/8, 7/8, 9/8, 12/8) Tempo: 20-280 USB MIDI via USB port Play/Record Audio with Computer via USB port Auto Power Off
Interface	AC Power, MIDI Out, Line OUT , AUX IN , INPUT LEVEL USB, Bluetooth, Pedal, 2 Headphones
Speakers	20W/8ohm*2 15W/4ohm*2
Dimensions (W x D x H)	1410mm*750mm*890mm
Weight	68Kg

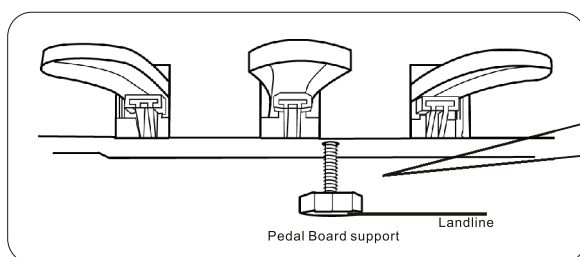
Assembly Instructions



- A: X6 M12X50
- B: X6 D=12
- C: X3 M5X25F
- D:
- E: X1
- F: X4 M4X12



Turn the adjustable Pedal Board support, until it is in firm contact with the floor.



Before moving the piano to a new location, always remember to raise the level of the Pedal Board support so that it is not touching the floor. Once the piano is in place, you can adjust it so it is in firm contact with the floor again.

10506017-V2.0

NOTES

NOTES

KURZWEIL

HDC YOUNG CHANG
MUSIC

196, Bongsu-daero, Seo-gu,
Incheon, Korea