Ringway

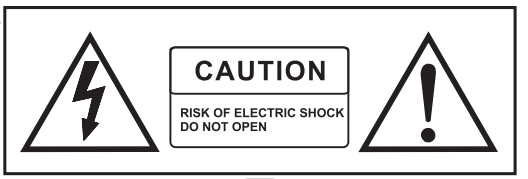
- Digital Piano
- RP60

User's Manual

Precaution

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

Safety Precautions



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

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

Important Safety Instructions

(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,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 am plifiers) that produce heat.
9) Do not defeat the safety purpose of the polarized or grounding-type plug.A polarized plug hase two blades with one wider than the other.A grounding type plug has two blades and a third grounding prong.The wide blade or the third prong are provided for your safety,if the provided plug does not fit into your outlet.consult an elec trician 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 for a long periods fo time.
14) Refer all servicing to qualified service personnel.Servicing is required when the apparatus has been dam aged 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.

WARNING: This product contains chemicals, including lead, known to the State of California to cause cancer, and birth defects or other reproductive harm. Wash hands after handling.

Thanks For Using Our Digital Piano

Your digital piano is a high-quality digital piano with 88 graded weighted hammer keys and combines the most advanced PCM tone generation technology. This digital piano lets you record your performances. In order to obtain maximum performance and enjoyment, please read this manual thoroughly while trying out the various features described.

TAKING CARE OF YOUR DIGITAL PIANO

This digital piano will supply you with years of musical enjoyment if you follow the simple rules listed below.

Service And Modification

Do not attempt to open the piano or make any change in the circuits or parts of the unit. This product should be serviced by qualified service personnel when;

- The power supply cord or the plug has been damaged,
- Liquid has been spattered into the unit or it has been exposed to rain,
- The instrument does not appear to operate normally or exhibits a marked change in performance,
- The instrument has been dropped or the cabinet has damaged.

Handling And Transport

- Never apply excessive force the controls, connectors or other parts of the instrument.
- Always unplug cables by gripping the plug firmly, not by pulling on the cable.
- Disconnect all cables before moving the instrument.
- Physical shocks caused by dropping, bumping, or placing heavy objects on the instrument can result in scratches and/or more serious damage.
- Avoid placing vinyl objects on top of the instrument, vinyl can stick to and discolor the surface.

Cleaning

- Clean the cabinet and panel with a soft, nonabrasive, dry cloth. A wax based polish may be used on the cabinet. Do not use paint thinner or chemical based polishes.
- To maintain the luster of the keys and buttons wipe with a clean, slightly damp cloth, and then polish with a soft dry cloth.

Location

- Direct sunlight (near a window)
- High temperatures (near a heat source, outside, or near a window)
- Excessive humidity
- Excessive dust
- Strong vibration

• Leave enough space around the piano for it to be properly ventilated.
• This instrument contains digital circuitry and may cause interference if placed too close to radio or television receivers. If interference occurs, move the instrument further away from the affected equipment.

Power

• Turn the power switch off when the instrument is not in use.
• To avoid damage, turn the power switches of all related devices off prior to connection or disconnection of MIDI cables.
• Turn the power off if the main cable is damaged or the instrument is spattered with liquid.
• Do not switch the unit on and off in quick succession, this places an undue load on the electronic components.
• Unplug the AC power cord during an electrical storm.
• Avoid plugging the AC power cord into the same outlet as appliances with high power consumption, such as electric heaters or refrigerators.
• Carefully check the amplifier volume control before starting to play. Excessive volume can cause permanent hearing loss.

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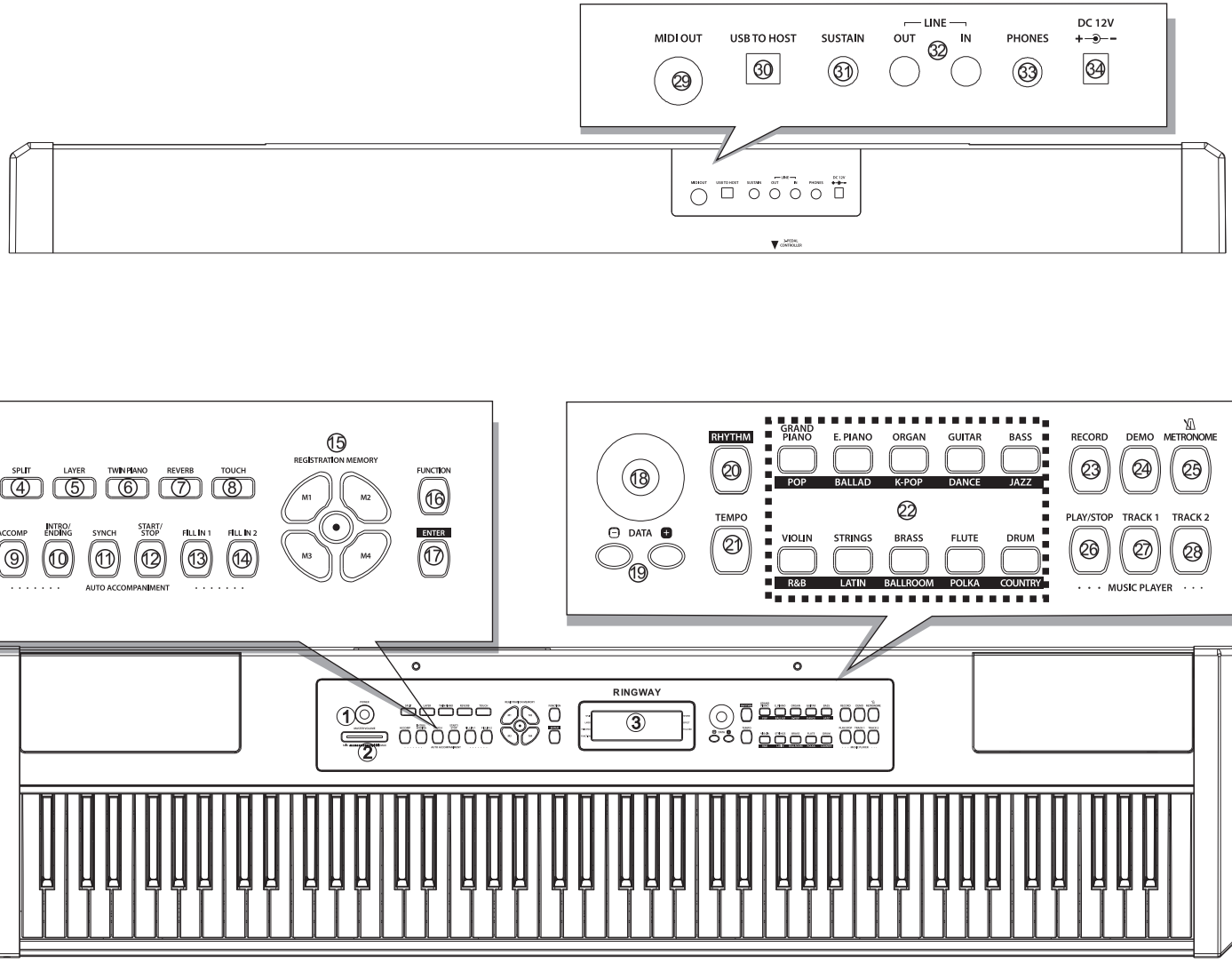
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PLAY/STOP
TRACK 1
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MUSIC PLAYER
RINGWAY
1
2
3

Top Panel

1. Power On/Off
2. MASTER VOLUME
3. LCD DISPLAY
4. [SPLIT] Button
5. [LAYER] Button
6. [TWIN PIANO] Button
7. [REVERB] Button
8. [TOUCH] Button
9. [ACCOPM] Button
10. [INTRO/ENDING] Button
11. [SYNCH] Button
12. [START/STOP] Button
13. [FILL IN 1] Button
14. [FILL IN 2] Button
15. [MEMORY] Button
    [M1-M4] Buttons
16. [FUNCTION] Button
17. [ENTER] Button
18. [DATA CONTROL] Knob
19. [+/-] Buttons
20. [RHYTHM] Button
21. [TEMPO] Button
22. VOICE and STYLE SELECT
23. [RECORD] Button
24. [DEMO] Button
25. [METRONOME] Button
26. [PLAY/STOP] Button
27. [TRACK 1] Button
28. [TRACK 2] Button

Rear Panel

29. MIDI OUT Jacks
30. USB TO HOST Jacks
31. SUSTAIN Jack
32. LINE OUT /IN Jacks
33. PHONES Jack
34. DC 12V Jack

Connection

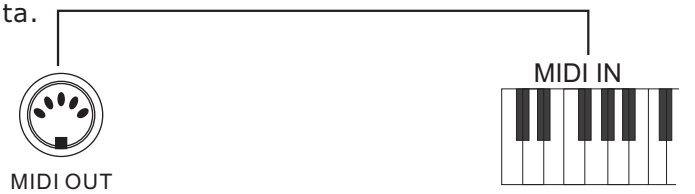
Using Line Out/In Jacks

Connect the external sound system to the Line In jack. The audio signal from the external sound system can be mixed with the sound of your piano. This function is convenient when you want to play along with a favourite song.

The Line Out jack can be used to transmit the audio signal of the piano to a keyboard amplifier, stereo sound system, mixing console or tape recorder.

Using Midi Out Jacks

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.

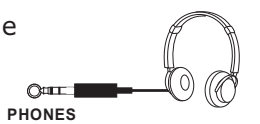


NOTE

MIDI OUT Transmits MIDI data to another MIDI device.

Phones jack

Plug a set of stereo headphone into the phones jack, and the internal speaker system is automatically shut off when the headphone is plugged.

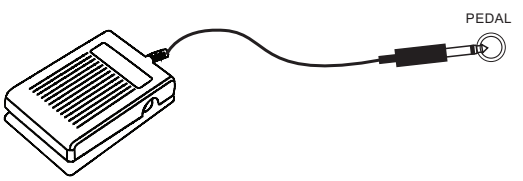


NOTE

Never use headphones in high volume, as it may hurt your ears.

Sustain Pedal(supplied)

The foot pedal included with your digital piano will cause piano key sounds to decay slowly as if they were being held down. A piano-style pedal may optionally be used. The jack will auto-detect the polarity of the sustain pedal.



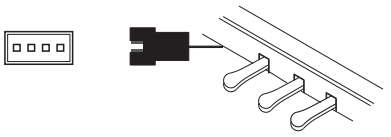
NOTE

Ensure the piano is turned off before connecting the pedal. Otherwise, it will affect the piano sound.

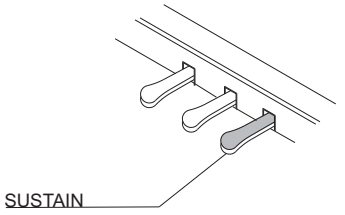
As standard, the pedal will affect the note playing after pressed. To change polarity,hold the foot pedal down during power up.

3-Foot Pedal(optional)

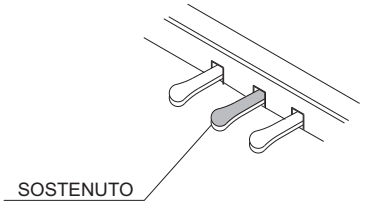
This digital piano can be used with a 3-Foot pedal.
Connect the plug of the foot pedal unit to the pedal jack in the button panel.



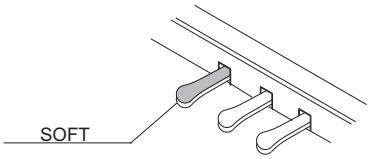
Sustain Pedal (Right): It performs the same function as the sustain pedal on an actual acoustic piano, letting you sustain the sound of the voices even after releasing your fingers from the keys.



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.



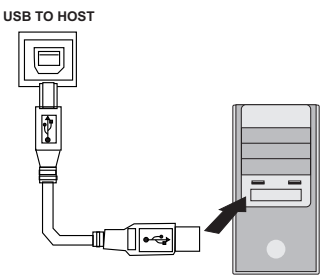
NOTE

As standard, the pedal will affect the note playing after pressed. To change polarity, hold the foot pedal down during power up.

DC IN

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

USB To Host

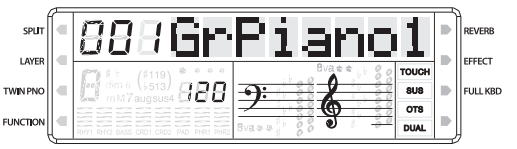


This product allows the transfer of MIDI information over USB to a computer. As complicated as this might sound, it's actually pretty straight forward. Because your piano is USB Class Compliant, there is no need to install a driver to enable it to work with computer. Simply just plug it in and the OS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

USB AUDIO interface is a digital audio interface. By using a USB cable, you can digitally transfer signals from your USB Device to this piano. You can play your songs on this piano and play along to your favorite songs. Likewise, you can transfer intact audio signals of the instrument to your USB Device to record and edit music.

Power Switch

Turn on the power by pressing the POWER switch before playing, the panel LCD display will light.

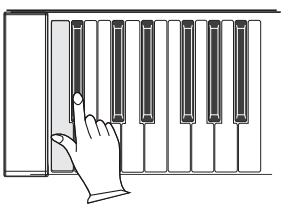


1.Standby On

This product will switch off automatically in 15 minutes after no any operation on it. In this case, press the [STANDBY/ON] button twice to turn the power switch on.

2.Deactivate the Auto Standby function

Hold the first white key and first black key on the left side of the keyboard at the same time and then turn on the power to deactivate the AUTO STANDBY function.



Adjust the Volume

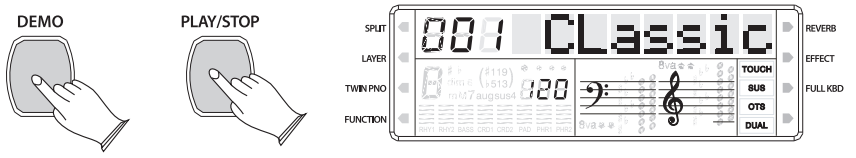
Initially set the [MASTER VOLUME] at the middle between the"MIN" and "MAX" . You can adjust the volume to accommodate your playing.

Demo Play

There are 50 demo songs that you can play individually. Here's how you can select and play the demo songs.

Listen to the Demo Song

Press the DEMO button. The LCD screen shows "---Classic". Press the [ENTER] button to go to the music select mode. The LCD screen shows the first number "001" of the classic demo music.
You can use the [-/NO] / [+/YES] buttons or [DATA WHEEL] knob to select the song you want to play. Press the [PLAY/STOP] button to play the song.



Stop Playing

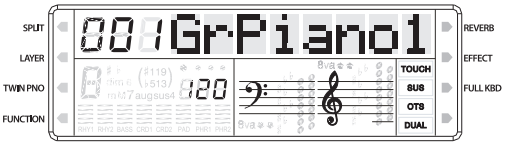
Press the [PLAY/STOP] button again to stop playing.

Voices

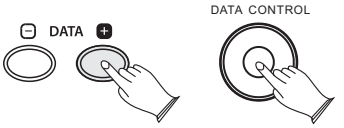
Your instrument has 128(01-128) GM standard voices, 8(129-137) different drum percussion kits and 1 set of sound effect that you can select and play.

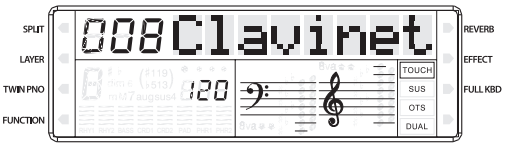
Selecting a Voice

Press the [RHYTHM] button, when the button is unlighted, the voice mode is selected and the current voice number and the name will display on the LCD Display section.

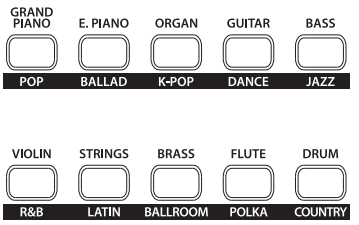


Use the [+] and [-] button or the [DATA CONTROL] knob to select the desired voice according to the voice list.





When the [RHYTHM] button is unlighted, you can use the Direct Select Button to select a voice.



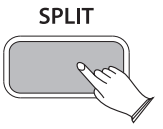
NOTE

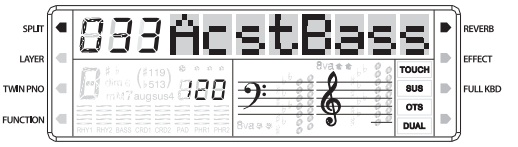
The name above the Direct Select Button is the voice name.

Keyboard Mode

Select Split Mode

Press the [SPLIT] button to select split mode, the Split cursor is lighting. 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.

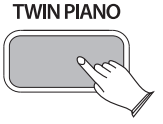


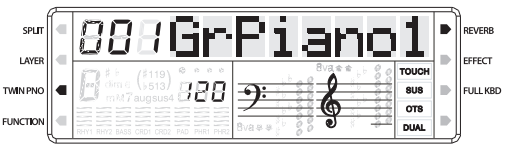


Press the [SPLIT] button again to exit the mode.

Select Twin Mode

Press the [TWIN PIANO] button to select TWIN mode. In this mode, the keyboard will be separated into two playing areas.
Right: from C#3 to C7 Left: from A-1 to C3
This will be very helpful when the instrument is used by two players at the same time (example: Teacher and Student) and they will be able to play the same piano sound in the same octave.
While the TWIN feature is selected using the optional 3 lever pedal, the pedals automatically switch in a different configuration where there are 2 Sustain pedals, one for the left and one for the right part of the keyboard.





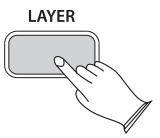
Press the [TWIN PIANO] button again to exit the mode.

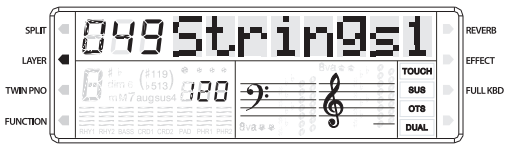
Select Full Keyboard Mode

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 not be displayed on the screen.
Full Keyboard: reference P19.

Layer

Engaging the LAYER button will put the keyboard in the layer mode.
Press the [LAYER] button to enter the layer mode. The cursor will be flashed.
Use the [+] and [-] buttons or [DATA CONTROL] knob to select the layer voice.

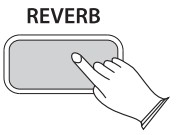


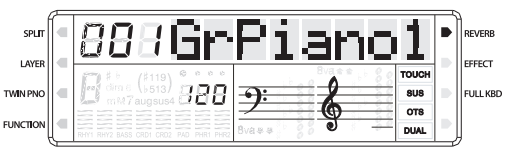


Press the [LAYER] button again to exit the mode.

Reverb

Press the [REVERB] button to turn on or off the reverb mode. The cursor will be lighted.

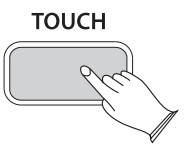


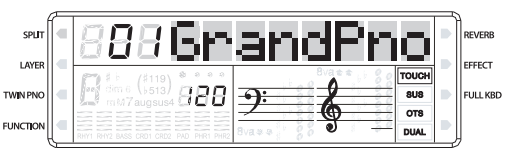


Press the [REVERB] button again to exit the mode.
Reverb type: reference P18.

Touch Button

The touch function provides 3 different types of keyboard touch sensitivity that can be selected to match different playing styles.
Hold down the [TOUCH] button, use the [+] and [-] buttons or [DATA CONTROL] knob to select the touch type(nor,Hard,SOF,OFF).

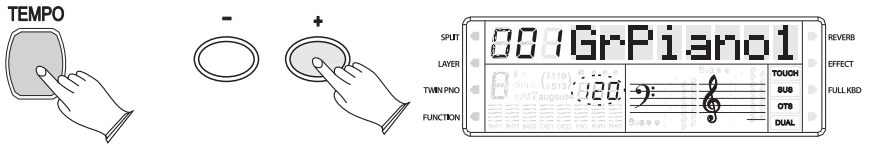




Touch Fixed: reference P14.

Tempo Button

The tempo of style can be adjust over a range of 20~280 bmp (beats per minute).
Press the [TEMPO] button, then use the [DATA CONTROL] knob or [+] and[-] button to increase or decrease the value.



Press the [+] and [-] buttons simultaneously to restore the default value.

Function

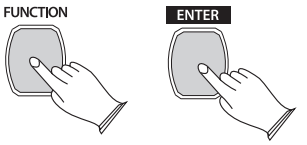
Press [FUNCTION] button to enter the menu of function.
press [FUNCTION] button repeatedly and turn the [DATA CONTROL] knob or use the [+] and [-] button select the option to be set. Press [ENTER] to set the parameter. The option and the parameters are as the follows:

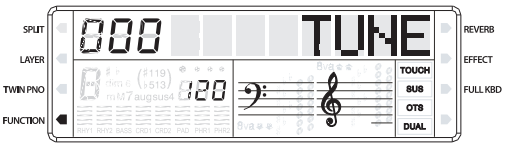
LCD	Range	Default
TUNE	-64-063	000
TRANSPOS	-12-012	000
TOUCH	nor,Hrd,SOF,OFF	nor
FIXED VEL	000-127	80
MAIN VOL	000-127	127
SPLT VOL	000-127	127
LAYR VOL	000-127	127
ACMP VOL	000-127	085
MUSC VOL	000-127	075
MET VOL	000-127	100
MET BEAT	1-4,2-4,3-4,4-4,5-4,6-8,9-8,C-8	1-4
REVB TYP	1-8, OFF	r-3
REVB VOL	000-127	045
EFFT TYP	1-8, OFF	OFF
EFFT VOL	000-127	080
FULL KBD	ON, OFF	OFF
MAIN OCT	-02-002	000
SPLT OCT	-02-002	000
LAYR OCT	-02-002	000
L.CONTRL	ON, OFF	ON
EQ HIGH	-12-012	006
EQ BASS	-12-012	006
O.T.S	ON, OFF	OFF
BLUTOOTH	ON, OFF	OFF
Reset		

NOTE
If you don't press any button for 5 seconds after entering the function menu, it will quit this menu automatically.

Tune

This function makes it possible to tune the pitch of your instrument to match other instruments.
Press the [FUNCTION] button, use the [+] and [-] buttons or [DATA CONTROL] knob to select the "Tune", press the [ENTER] button to confirm, and use the [+] and [-] buttons or [DATA CONTROL] knob to set the tune value.
Range: -64~063.

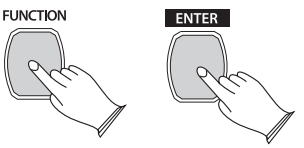


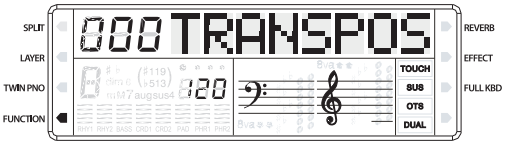


Press the [+] and [-] buttons simultaneously to restore the default value(000).

Transpose

In this 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).
Press the [FUNCTION] button, use the [+] and [-] buttons or [DATA CONTROL] knob to select the "TRANSPOS", press the [ENTER] button to confirm, and use the [+] and [-] buttons or [DATA CONTROL] knob to set the tune value.
Range: -12-012.

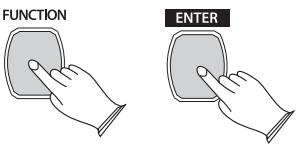


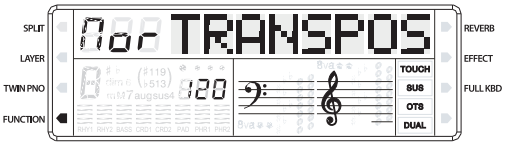


Press the [+] and [-] buttons simultaneously to restore the default value(000).

Touch

Press the [FUNCTION] button, use the [+] and [-] buttons or [DATA CONTROL] knob to select the "TOUCH", press the [ENTER] button to confirm, and use the [+] and [-] buttons or [DATA CONTROL] knob to set the tune value.
Range: nor, SOF, Hrd, OFF.

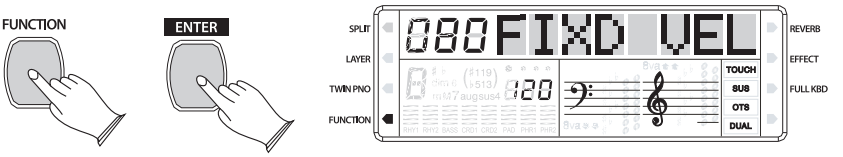




Press the [+] and [-]buttons simultaneously to restore the default value(nor).

FIXED VEL

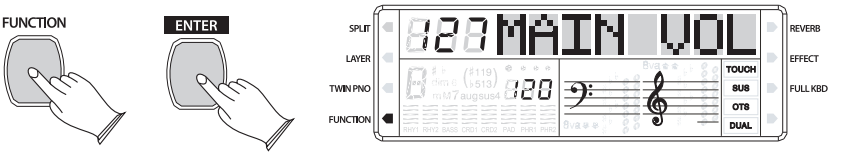
This function makes it possible to tune the pitch of your instrument to match other instruments.
Press the [FUNCTION] button, use the [+] and [-] buttons or [DATA CONTROL] knob to select the "FIXED VEL", press the [ENTER] button to confirm, and use the [+] and [-] buttons or [DATA CONTROL] knob to set the value.
Range: 000~127.



Press the [+] and [-] buttons simultaneously to restore the default value(080).

Main Voice Volume

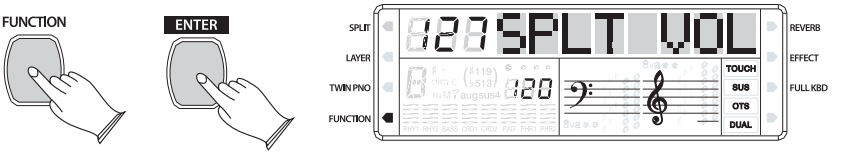
Press the [FUNCTION] button, use the [+] and [-] buttons or [DATA CONTROL] knob to select the "MAIN VOL", press the [ENTER] button to confirm, and use the [+] and [-] buttons or [DATA CONTROL] knob to set the main voice volume value. Range: 000~127.



Press the [+] and [-]buttons simultaneously to restore the default value(127).

Split Voice Volume

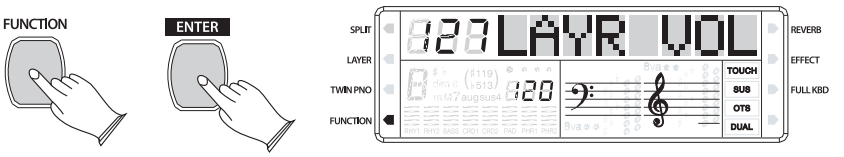
Press the [FUNCTION] button, use the [+] and [-] buttons or [DATA CONTROL] knob to select the "SPLT VOL", press the [ENTER] button to confirm, and use the [+] and [-] buttons or [DATA CONTROL] knob to set the split voice volume value. Range: 000~127.



Press the [+] and [-] buttons simultaneously to restore the default value(127).

Layer Voice Volume

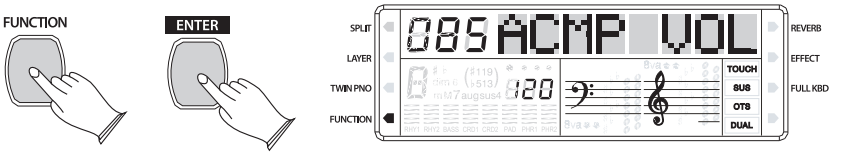
Press the [FUNCTION] button, use the [+] and [-] buttons or [DATA CONTROL] knob to select the "LAYR VOL", press the [ENTER] button to confirm, and use the [+] and [-] buttons or [DATA CONTROL] knob to set the layer voice volume value. Range: 000~127.



Press the [+] and [-] buttons simultaneously to restore the default value(127).

Accompaniment Voice Volume

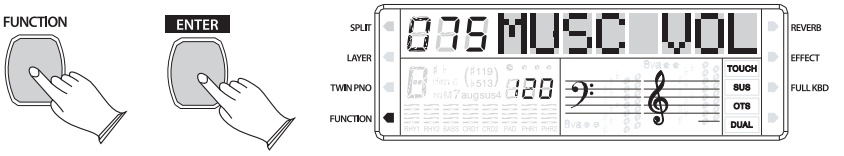
Press the [FUNCTION] button, use the [+] and [-] buttons or [DATA CONTROL] knob to select the "ACMP VOL", press the [ENTER] button to confirm, and use the [+] and [-] buttons or [DATA CONTROL] knob to set the accompaniment voice volume value. Range: 000~127.



Press the [+] and [-] buttons simultaneously to restore the default value(085).

Music Volume

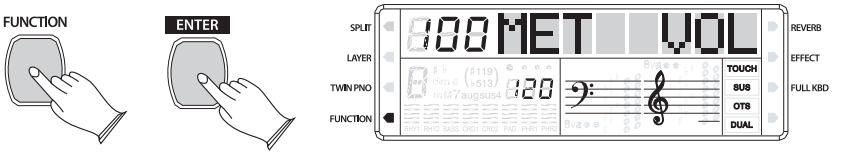
Press the [FUNCTION] button, use the [+] and [-] buttons or [DATA CONTROL] knob to select the "MUSC VOL", press the [ENTER] button to confirm, and use the [+] and [-] buttons or [DATA CONTROL] knob to set the music volume value. Range: 000~127.



Press the [+] and [-] buttons simultaneously to restore the default value(075).

Metronome Volume

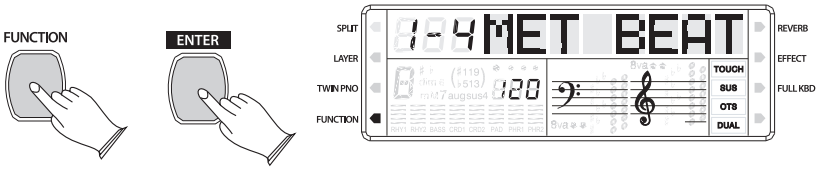
Press the [FUNCTION] button, use the [+] and [-] buttons or [DATA CONTROL] knob to select the "MET VOL", press the [ENTER] button to confirm, and use the [+] and [-] buttons or [DATA CONTROL] knob to set the metronome volume value. Range: 000~127.



Press the [+] and [-] buttons simultaneously to restore the default value(100).

Metronome Type

Metronome is a convenient feature for practice, and it can also provide a solid rhythmic guide when recording.
Press the [FUNCTION] button, use the [+] and [-] buttons or [DATA CONTROL] knob to select the "MET BEAT", press the [ENTER] button to confirm, and use the [+] and [-] buttons or [DATA CONTROL] knob to select Metronome type: 1/4, 2/4, 3/4, 4/4, 5/4, 6/8, 9/8, 12/8(C/8).



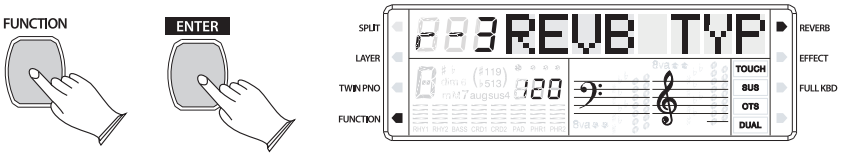
Press the [ENTER] to confirm and use the [+] and [-] buttons simultaneously to restore the default value.

Hold down the [METRONOME] button to enter the metronome type mode, and use the [+] and [-] buttons or [DATA CONTROL] knob to select the metronome type.

Press the [+] and [-] buttons simultaneously to restore the default value(1-4).

Reverb Type

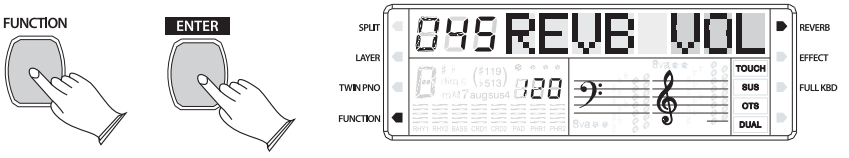
This function allows you to perform the overall sound in a realistic style. Press the [FUNCTION] button, use the [+] and [-] buttons or [DATA CONTROL] knob to select the "REVB TYP", press the [ENTER] button to confirm, and use the [+] and [-] buttons or [DATA CONTROL] knob to select reverb type, range:1-8(OFF).



Press the [+] and [-] buttons simultaneously to restore the default value(r-3).

Reverb Volume

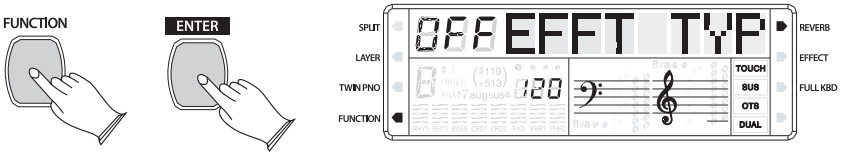
Press the [FUNCTION] button, use the [+] and [-] buttons or [DATA CONTROL] knob to select the "REVB VOL", press the [ENTER] button to confirm, and use the [+] and [-] buttons or [DATA CONTROL] knob to select reverb volume, range:1-8(OFF).



Press the [+] and [-] buttons simultaneously to restore the default value(045).

Chorus Type

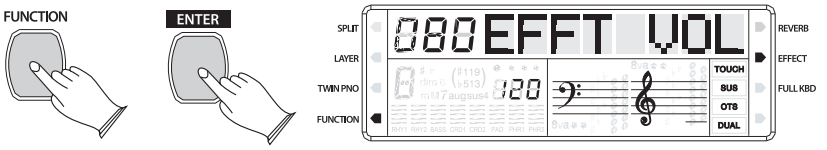
Press the [FUNCTION] button, use the [+] and [-] buttons or [DATA CONTROL] knob to select the "EFFT TYP", press the [ENTER] button to confirm, and use the [+] and [-] buttons or [DATA CONTROL] knob to select chorus type, range:1-8(OFF).



Press the [+] and [-] buttons simultaneously to restore the default value(OFF).

Chorus Volume

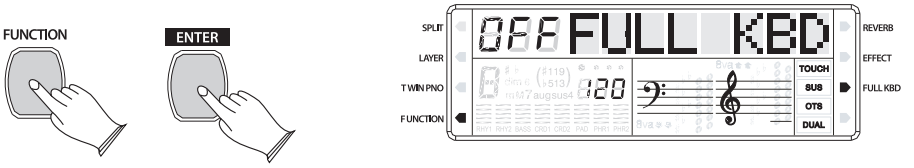
Press the [FUNCTION] button, use the [+] and [-] buttons or [DATA CONTROL] knob to select the "EFFT VOL", press the [ENTER] button to confirm, and use the [+] and [-] buttons or [DATA CONTROL] knob to select chorus volume, range: 000-127.



Press the [+] and [-] buttons simultaneously to restore the default value(080).

Full Keyboard

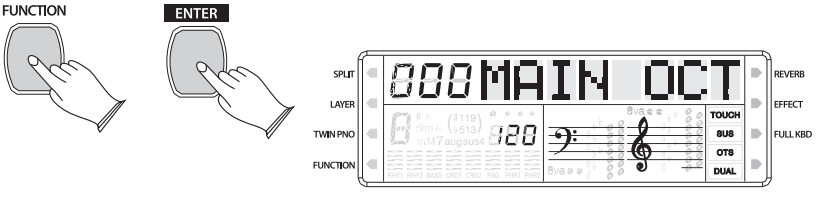
Press the [FUNCTION] button, use the [+] and [-] buttons or [DATA CONTROL] knob to select the "FULL KBD", press the [ENTER] button to confirm, and use the [+] and [-] buttons or [DATA CONTROL] knob to select the Full Keyboard "ON" or "OFF".



Press the [+] and [-] buttons simultaneously to restore the default value(OFF).

Main Voice Octave

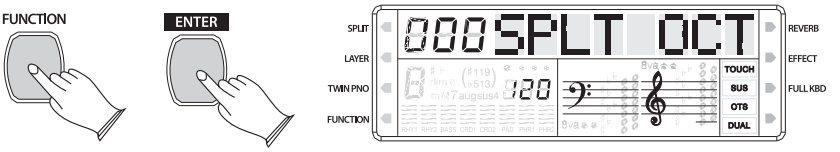
Press the [FUNCTION] button, use the [+] and [-] buttons or [DATA CONTROL] knob to select the "MAIN OCT", press the [ENTER] button to confirm, and use the [+] and [-] buttons or the [DATA CONTROL] knob to select main voice octave, range: -02-002.



Press the [+] and [-] buttons simultaneously to restore the default value(000).

Split Voice Octave

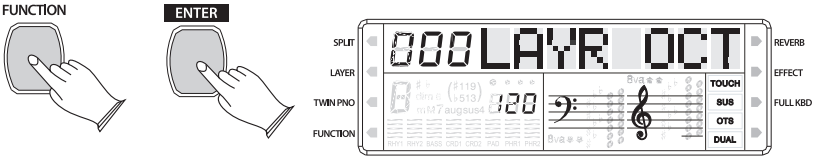
Press the [FUNCTION] button, use the [+] and [-] buttons or [DATA CONTROL] knob to select the "SPLIT OCT" , press the [ENTER] button to confirm, and use the [+] and [-] buttons or the [DATA CONTROL] knob to select split voice octave, range: -02-002.



Press the [+] and [-] buttons simultaneously to restore the default value(000).

Layer Voice Octave

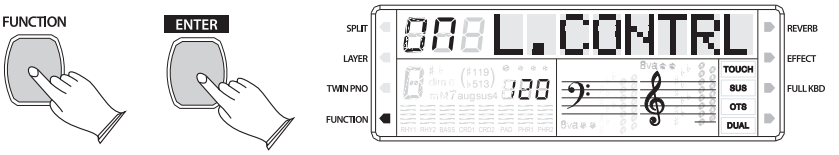
Press the [FUNCTION] button, use the [+] and [-] buttons or [DATA CONTROL] knob to select the "LAYR OCT", press the [ENTER] button to confirm, and use the [+] and [-] buttons or the [DATA CONTROL] knob to select layer voice octave, range: -02-002.



Press the [+] and [-] buttons simultaneously to restore the default value(000).

Local Control

In this function, you can turn on or turn off the speaker system of your piano. Press the [FUNCTION] button, use the [+] and [-] buttons or [DATA CONTROL] knob to select the "L.CONTRL", press the [ENTER] button to confirm, and use the [+] and [-] buttons or [DATA CONTROL] knob to select "Local ON" or "Local OFF".



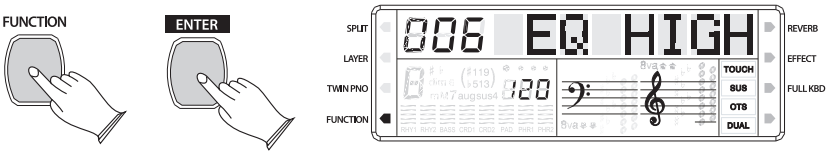
Press the [+] and [-] buttons simultaneously to restore the default value(ON).

Local on------ Normal operation. Keyboard and Controllers are sent to the Sound Engine.

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

EQ High

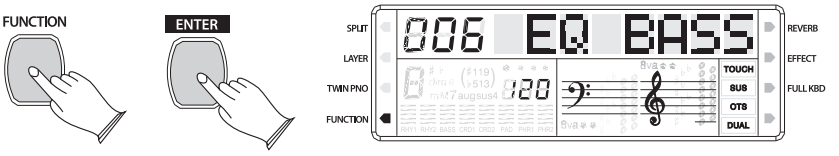
Press the [FUNCTION] button, use the [+] and [-] buttons or [DATA CONTROL] knob to select the "EQ HIGH" , press the [ENTER] button to confirm, and use the [+] and [-] buttons or the [DATA CONTROL] knob to select the value, range: -12-12.



Press the [+] and [-] buttons simultaneously to restore the default value(006).

EQ Bass

Press the [FUNCTION] button, use the [+] and [-] buttons or [DATA CONTROL] knob to select the "EQ BASS", press the [ENTER] button to confirm, and use the [+] and [-] buttons or the [DATA CONTROL] knob to select the value, range: -12-12.

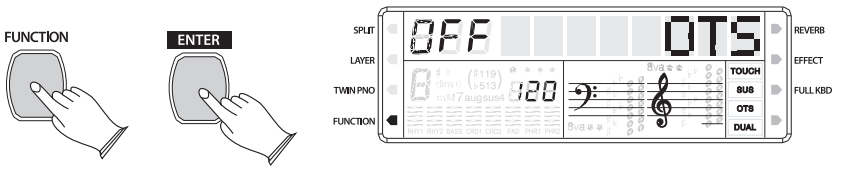


Press the [+] and [-] buttons simultaneously to restore the default value(006).

O.T.S

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

Press the [FUNCTION] button, use the [+] and [-] buttons or [DATA CONTROL] knob to select the "OTS", press the [ENTER] button to confirm, and use the [+] and [-] buttons or [DATA CONTROL] knob to select "OTS ON" or "OTS OFF".

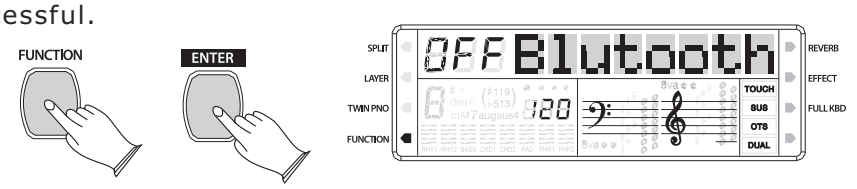


Press the [+] and [-] buttons simultaneously to restore the default value(OFF).

Bluetooth

Bluetooth Connection

Press the [FUNCTION] button, use the [+] and [-] buttons or [DATA CONTROL] knob to select the "Blutooth", press the [ENTER] button to confirm, and use the [+] and [-] buttons or [DATA CONTROL] knob to select the bluetooth "ON" or "OFF". When the bluetooth mode is turning on, turn on the bluetooth of your smart device, then select "RP60 EDR" from the connection list, pairing is successful.



Press the [+] and [-] buttons simultaneously to restore the default value(OFF).

Bluetooth MIDI

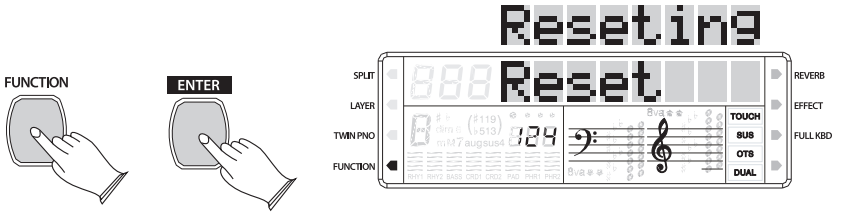
The piano is capable of wireless connection to personal devices via Bluetooth. When a device is paired, music can be played through the piano's speakers. Bluetooth MIDI allows you to connect with piano learning apps on a variety of devices.

Bluetooth Audio

You can input the sound of the audio data saved in a Bluetooth equipped device, such as a smart phone or digital audio player, to this instrument and listen to it through the built-in speaker of the instrument.

Reset

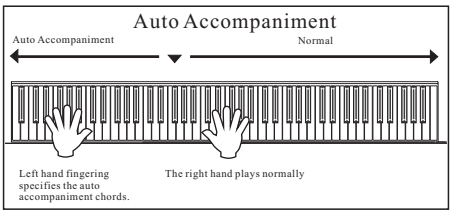
Press the [FUNCTION] button, use the [+] and [-] buttons or [DATA CONTROL] knob to select the "Reset", press the [ENTER] button to confirm, the LCD will display "Reseting", it can restore all functions to factory defaults.



Auto Accompaniment

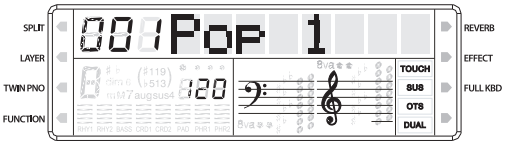
Your instrument has 110 accompaniment styles which can be used to provide Fully-orchestrated Auto Accompaniment. When the Auto Accompaniment function is turned ON, this instrument creates fully-orchestrated rhythm, bass and chord accompaniment based on chords you play with the left hand in the Auto Accompaniment 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 .

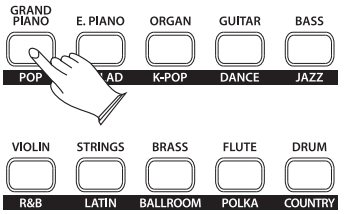


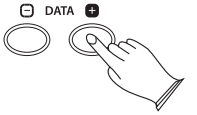
Selecting a Style

Press the [RHYTHM] button, the button is light, the Style mode is selected and the current Style number and the name will display on the LCD Display section.



Press the voice select button that corresponds to the desired voice or use the [+] and [-] button or [DATA CONTROL] knob to select the desired Style.



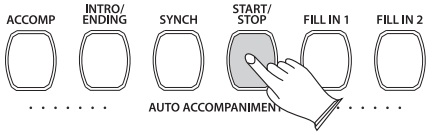


Accompaniment Volume

Reference: P16.

Start a Style

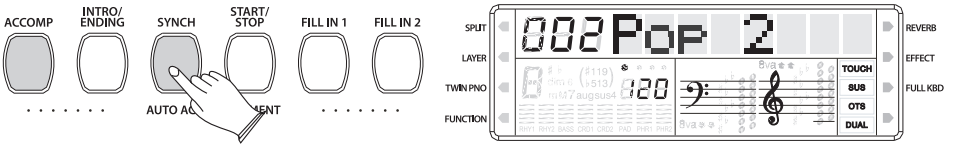
Press the [START/STOP] button to start the style.



Press the [START/STOP] button again to stop the accompaniment.

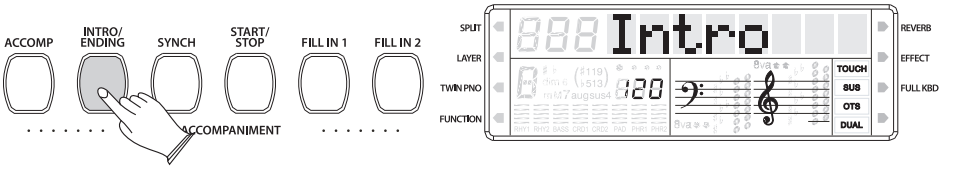
Synchro Button

Press the [SYNCH] button to enter the sync start waiting mode, the [ACCOMP] button will flash, then the accompaniment will start when you play the first chord on the Auto Accompaniment section of the keyboard.

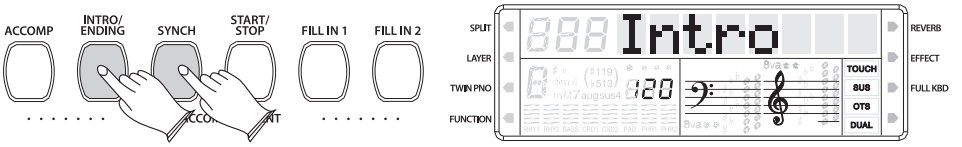


Intro/Ending Button

Any of your instrument accompaniment patterns can be started with an appropriate introduction by pressing the [INTRO/ENDING] button directly.



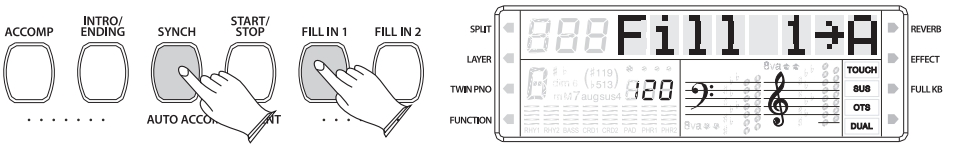
If you press the [SYNCH] button and then press the [INTRO/ENDING] button, the accompaniment will start from the introduction as soon as a chord is detected in the Auto Accompaniment section of the keyboard.



Press the [INTRO/ENDING] button again, the style stops after the ending section is finished.

Fill In Button

Press the [SYNCH] button and then press the [FILL IN1] or [FILL IN2] button, the accompaniment will start from Fill IN1 or FILL IN2 as soon as a chord is detected in the AUTO ACCOMPANIMENT section of the keyboard.



While the style is playing, you can add variation in the rhythm/accompaniment by pressing the [FILL IN1] or [FILL IN2] button.
In MAIN mode, press the [FILL IN1] button to insert 1 measure fill and LCD flashes ‘Fill 1→A’. After one measure is over, MAIN style will be returned.

In the MAIN mode, press the [FILL IN2] button to insert 1 measure fill and LCD flashes ‘Fill 2→B’. After one measure is over, variation mode will be started.

NOTE

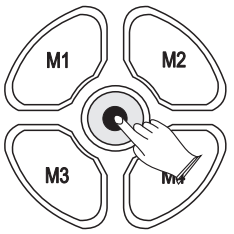
Hold down the [Fill IN1] or [Fill IN2] button when the style is playing, the selected FILL pattern repeats continuously until button is released.

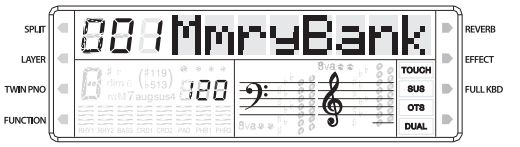
Registration Memory

The memory feature can be used to store four sets of voice and auto accompaniment settings that can be recalled during you playing at the touch of one single button.

Memory

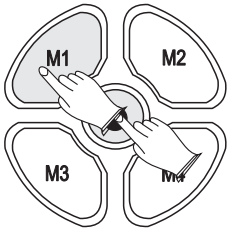
There are 4 banks in total; each bank has 4 memories (M1~M4).
Press the [MEMORY] button repeatedly to select memory bank (1~4)





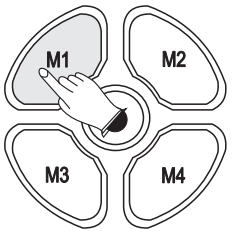
Store

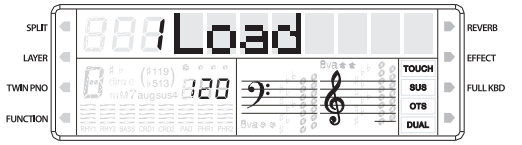
Hold down the [MEMORY] button and then press the M1(or M2~M4). The data will be stored to the M1 (or M2~M4).



Load

The settings stored to a memory button can be loaded simply by pressing the appropriate button [M1]-[M4].



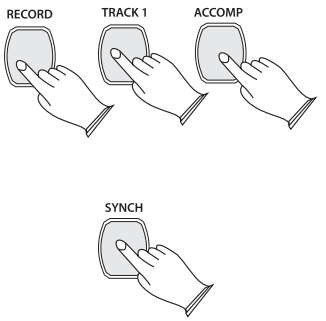


Your instrument allows you to record and playback song including chord sequences created using the Auto Accompaniment feature and melody like you play on the keyboard.

Record

Accompaniment Track Record

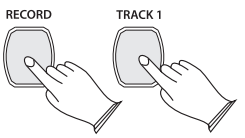
Hold down the [RECORD] button, and then press the [TRACK 1] button to enter accompaniment track record mode, the [CHORD] function is turned on automatically, the [RECORD] button is light, and press the [SYNCH] button to turn on the mode.
Then select a style you want, and adjust it's tempo.
Press a key or a chord on the left hand section on the keyboard to start the recording.



Press the [PLAY/STOP] button to stop recording.

Melody Track Recording

Hold down the [RECORD] button, and then press [TRACK 1] or [TRACK 2] button, the correspond track button flashes to indicate ready to record. You can start recording simply by playing the keyboard.



Stop Recording

Press the [PLAY/STOP] button to stop recording.

NOTE

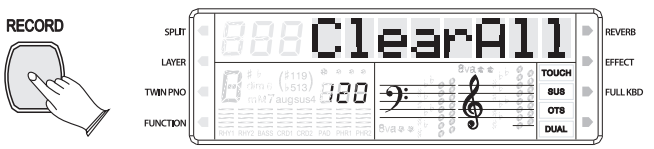
If the other track has data recorded, it will play when the record is started. You also can press the track button to mute it.

Listen to your Recording

To play the song from the beginning, simply press the [PLAY/STOP] button. Playback stops when the [PLAY/STOP] button is pressed again.

Clear

Hold down the [RECORD] button to clear all recording data. LCD display “Clear All”.



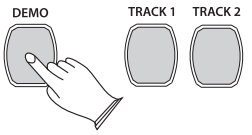
You also can hold down one of the tracks for about 2 seconds to clear the track recording data.

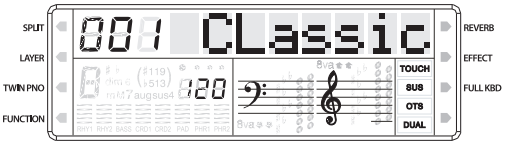
Play Along Songs

There are many play along 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

Press the [DEMO] button, then press the [-/NO] / [+/YES] button or [DATA WHEEL] to select Bank. The song bank will appear on the LCD display.





There are 6 song banks in the piano: Learn (includes 55 songs),Beyer (includes 106 songs),Czerny 100(includes 100 songs),Czerny 30 (includes 30 songs), Czerny 40(includes 40 songs),Sonatine(includes 45 songs).

In the song mode, press the [-/NO] and [+/YES] buttons or the [DATA WHEEL] knob to select the song bank, after 5 seconds, then you can use the [-/NO] and [+/YES] buttons or the [DATA WHEEL] knob to select the desired song. Press the [START/STOP/PLAY] button to start the song.

Listening to the Entire Song

1). With the play along song mode engaged, press the [PLAY/STOP] button to hear both hand parts playing the entire song. Otherwise, playback will stop automatically at the end of the song.
2). Press the [PLAY/STOP] button again to stop. Otherwise, playback will stop automatically at the end of the song.

Practicing the Right Hand of the Selected Song

1). With the play along song mode engaged, press the [TRACK2] button to mute the right hand part. The [TRACK2] button indicator is OFF.

2). Press the [PLAY/STOP] button. The button indicator will flash. 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/STOP] button again to stop.

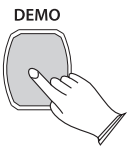
Practicing the Left Hand of the Selected Song

1). With the play along song mode engaged, press the [TRACK1] button to mute the left hand part. The [TRACK1] button indicator is OFF.

2). Press the [PLAY/STOP] button. The button indicator will flash. You will then hear the right-hand part.
3). Play the right-hand part of your selected song while the right-hand part plays.
4). Press the [PLAY/STOP] button again to stop.

Exit Learning Mode

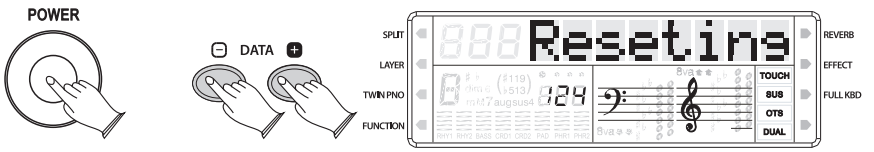
Press the [DEMO] button again to exit Learning Mode.



Factory Set

1. Turn off the power.

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



Appendix

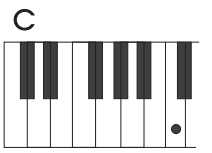
Auto Accompaniment Fingering

Single Mode

SINGLE Mode fingering makes it simple to produce beautifully orchestrated accompaniment 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.

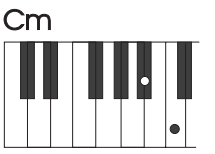
. Major Chords

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).



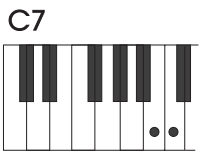
. Minor Chords

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



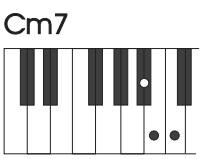
. Seventh Chords

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.

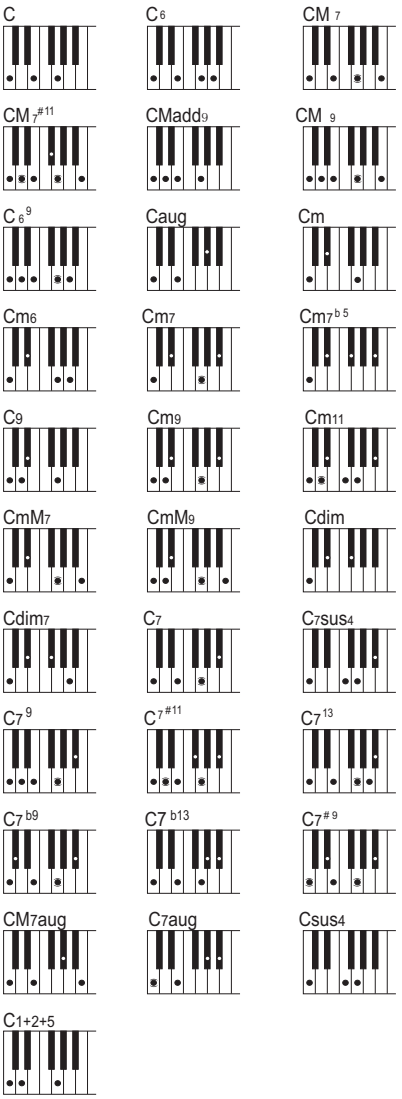


Fingered Mode

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	NormalVoicing	Display
[M]	1-3-5	C
[6]	1-(3)-5-6	C6
[M7]	1-3-(5)-7 or 1-(3)-5-7	CM7
[M7(#11)]	1-(2)-3-#4-(5)-7 or 1-2-3-#4-(5)-7	CM7(#11)
[(9)]	1-2-3-5	C(9)
[M(9)]	1-2-3-(5)-7	CM7(9)
[6(9)]	1-2-3-(5)-6	C6(9)
[aug]	1-3-#5	Caug
[m]	1-b3-5	Cm
[m6]	1-b3-5-6	Cm6
[m7]	1-b3-(5)-b7	Cm7
[m7b5]	1-b3-b5-b7	Cm7b5
[m(9)]	1-2-b3-5	Cm(9)
[m7(9)]	1-2-b3-(5)-b7	Cm7(9)
[m7(11)]	1-(2)-b3-4-5-(b7)	Cm7(11)
[mM7]	1-b3-(5)-7	CmM7
[mM(9)]	1-2-b3-(5)-7	CmM7(9)
[dim]	1-b3-b5	Cdim
[dim7]	1-b3-b5-6	Cdim7
[7]	1-3-(5)-b7 or 1-(3)-5-b7	C7
[7sus4]	1-4-(5)-b7	C7sus4
[7(9)]	1-2-3-(5)-b7	C7(9)
[7(#11)]	1-(2)-3-#4-(5)-b7or 1-2-3-#4-(5)-b7	C7(#11)
[7(13)]	1-3-(5)-6-b7	C7(13)
[7(b9)]	1-b2-3-(5)-b7	C7(b9)
[7(b13)]	1-3-5-b6-b7	C7(b13)
[7(#9)]	1-#2-3-(5)-b7	C7(#9)
[M7aug]	1-(3)-#5-7	CM7aug
[7aug]	1-3-#5-b7	C7aug
[sus4]	1-4-5	Csus4
[1+2+5]	1-2-5	C

Example for C chords



After distinguishing the In Situ Chord based on the root, some chords can also distinguish the Inversion Chord except for m7,m7 b5,6,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)	Jazz(32)	Brush(40)	Classic(48)	Effects(56)
24	C	Seq Click H	←	←	←	←	←	←	←	
25	#C	Brush Tap	←	←	←	←	←	←	←	
26	D	Brush Swirl L	←	←	←	←	←	←	←	
27	#D	Brush Slap	←	←	←	←	←	←	←	
28	E	Brush Swirl 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	←	
32	#G	Sticks	←	←	←	←	←	←	←	
33	A	Bass Drum L	←	←	←	←	←	←	Bass Drun L3	
34	#A	Open Rim Shot	←	←	←	←	←	←	←	
35	B	Bass Drum M	←	←	BD Rock	BD Analog 1L	←	←	Gran Casa	
36	C	Bass Drum H	←	BD Rock	BD Rock 2	BD Analog 1H	BD Jazz	BD Jazz	Gran Casa Mute	
37	#C	Side Stick	←	←	←	Analog Side Stick	←	←	←	
38	D	Snare M	SD Room L	SD Rock	SD Elec M	SD Analog 1H	SD Jazz L	Brush Slap H	Marching SD M	
39	#D	Hand Clap	←	←	←	←	←	←	←	High-Q
40	E	Snare H	SD Room H	SD Rock Rim	SD Elec H	SD Analog 1L	SD Jazz H	Brush Tap	Marching SD H	Slap
41	F	Floor Tom L	Room Tom 1	Rock Tom 1	E Tom 1	Analog Tom 1	←	Brush Tom 1	←	Scratch Push
42	#F	Hi-Hat Closed	←	←	←	Analog HH Closed1	←	←	←	Scratch Pull
43	G	Floor Tom H	Room Tom 2	Rock Tom 2	E Tom 2	Analog Tom 2	←	Brush Tom 2	←	Sticks
44	#G	Hi-Hat Pedal	←	←	←	Analog HH Closed2	←	←	←	Square Click
45	A	Low Tom	Room Tom 3	Rock Tom 3	E Tom 3	Analog Tom 3	←	Brush Tom 3	←	Mtrnm .Click
46	#A	Hi-Hat Open	←	←	←	Analog HH 1Open	←	←	←	Mtrnm. Bell
47	B	Mid Tom L	Room Tom 4	Rock Tom 4	E Tom 4	Analog 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	←	←	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 Cup	←	←	←	←	←	←	←	Screaming
54	#F	Tambourine	←	←	←	←	←	←	←	Punch
55	G	Splash Cymbal	←	←	←	←	←	←	←	Heart Beat
56	#G	CowBell	←	←	←	Analog Cowbell	←	←	←	Footsteps 1
57	A	Crash Cymbal 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	←	←	←	Helicopter
71	B	Samba Whistle H	←	←	←	←	←	←	←	Starship
72	C	Samba Whistle L	←	←	←	←	←	←	←	Gun Shot
73	#C	Cuiro Short	←	←	←	←	←	←	←	Machine Gun
74	D	Cuiro Long	←	←	←	←	←	←	←	Lasergun
75	#D	Claves	←	←	←	Analog Claves	←	←	←	Explosion
76	E	Wood Block H	←	←	←	←	←	←	←	Dog
77	F	Wood Block L	←	←	←	←	←	←	←	HorseGallop
78	#F	Guica Mute	←	←	Scratch Push	Scratch Push	←	←	←	Bird
79	G	Guica Open	←	←	Scratch Pull	Scratch Pull	←	←	←	Rain
80	#G	Triangle Mute	←	←	←	←	←	←	←	Thunder
81	A	Triangle Open	←	←	←	←	←	←	←	Wind
82	#A	Shaker	←	←	←	←	←	←	←	Seashore
83	B	Jingle Bell	←	←	←	←	←	←	←	Stream
84	C	Bell Tree	←	←	←	←	←	←	←	BuBBle

Voice List

NO.	VOICE
1	GrPiano1
2	GrPiano2
3	GrPiano3
4	HonkyTnk
5	EPiano1
6	EPiano2
7	Harpsicd
8	Clavinet
9	Celesta
10	Glckensp
11	MusicBox
12	Vibraphn
13	Marimba
14	Xylophon
15	TubuBell
16	Dulcimer
17	EOrgan1
18	EOrgan2
19	EOrgan3
20	PipeOrgn
21	ReedOrgn
22	Accrdion
23	Harmnica
24	Bandnion
25	NylonGtr
26	SteelGtr
27	JazzGtr
28	CleanGtr
29	MutedGtr
30	DriveGtr
31	LeadGtr
32	Harmonic
33	AcstBass
34	EBass1
35	EBass2
36	EBass3
37	SlpBass1
38	SlpBass2
39	SynBass1
40	SynBass2
41	Violin
42	Viola
43	Cello
44	CntraBss
45	TrStrngs
46	PzStrngs

NO.	VOICE
47	Harp
48	Timpani
49	Strings1
50	Strings2
51	SynStr1
52	SynStr2
53	Choir
54	Voice
55	SynVoice
56	Orchstra
57	Trumpet
58	Trombone
59	Tuba
60	MtTrumpt
61	FrnchHrn
62	BrassSct
63	SynBras1
64	SynBras2
65	SopraSax
66	AltoSax
67	TenorSax
68	BartnSax
69	Oboe
70	EnglHorn
71	Bassoon
72	Clarinet
73	Piccolo
74	Flute
75	Recorder
76	PanFlute
77	BottlBlw
78	Shakhach
79	Whistle
80	Ocarina
81	Square
82	Sawtooth
83	Calliope
84	Chiffer
85	Charang
86	SoloVox
87	Fifths
88	BassLead
89	Fantasia
90	WarmPad
91	Polysyth
92	SpaceVox

NO.	VOICE
93	BowGlass
94	MetalPad
95	HaloPad
96	SweepPad
97	IceRain
98	SoundTrk
99	Crystal
100	Atmosphr
101	Brghtnss
102	Goblin
103	EchoDrop
104	StrTheme
105	Sitar
106	Banjo
107	Shamishn
108	Koto
109	Kalimba
110	Bagpipe
111	Fiddle
112	Shanai
113	TnklBell
114	Agogo
115	SteelDrm
116	WoodBlck
117	Taiko
118	MeldyTom
119	SynthDrm
120	RevCymbl
121	GtrNoise
122	Breath
123	Seashore
124	Birds
125	Telephne
126	Helicptr
127	Applause
128	GunShot
129	StdDrum
130	RoomDrum
131	PowrDrum
132	ElecDrum
133	SynDrum
134	JazzDrum
135	BrshDrum
136	OrcheDrm
137	SoundFX

Style List

NO.	STYLE NAME
POP	
1	Pop1
2	Pop2
3	Pop3
4	Pop4
5	Pop5
6	Pop6
7	Pop7
8	Pop8
9	Newage
10	Popville
11	PopShufl
BALLAD	
12	Ballad1
13	Ballad2
14	Ballad3
15	Ballad4
16	Ballad5
17	Ballad6
18	Ballad7
19	JzBalad1
20	JzBalad2
21	JzBalad3
22	BaldCtry
23	16Beat1
24	16Beat2
25	SlowRock
K-POP	
26	TrotPop1
27	TrotPop2
28	Trot1
29	Trot2
30	K-Dance1
31	K-Dance2
32	K-Ballad
33	Semachi1
34	Semachi2
35	Gutgeori
DANCE	
36	Dance1
37	Dance2
38	Dance3
39	House
40	ClubDanc
41	Techno
42	HipHop

NO.	STYLE NAME
43	SlwDance
44	Party
45	Disco1
46	Disco2
47	Disco3
JAZZ	
48	Jazz
49	BigBand
50	Dixie
51	Bogie
52	Lounge
53	Swing1
54	Swing2
55	Swing3
56	SwingFnk
57	SlwSwing
R&B	
58	R&BRock
59	Motown
60	RocknRol
61	BluesRck
62	Blues1
63	Blues2
64	Gospel1
65	Gospel2
66	GospRock
67	GospShuf
LATIN	
68	Latin1
69	Latin2
70	BosaNov1
71	BosaNov2
72	Salsa
73	Samba
74	Merengue
75	Mariachi
76	Bolero
77	Reggae1
78	Reggae2
79	LatnPop1
80	LatnPop2
81	LatnDnce
BALLROOM	
82	Waltz1
83	Waltz2
84	Waltz3

NO.	STYLE NAME
85	Tango
86	Jive
87	Rhumba
88	Beguine
89	Clasical
POLKA	
90	Polka1
91	Polka2
92	Polka3
93	Polka4
94	March1
95	March2
96	March3
97	Pasodble
98	Hawaian1
99	Hawaian2
COUNTRY	
100	Country1
101	Country2
102	Country3
103	Country4
104	Country5
105	Folk
106	Bluegras
107	Brodway
108	Ragtime
109	ChidSng1
110	ChidSng2

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	
Affter 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	O	O	Portamento
66	X	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
Programe	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 sensivity
#1: Fine tuning cents
#2: Coarse tuning in half-tones

Specifications

Keyboard:	88 graded weighted hammer keys
Display:	Multi-function back light LCD display
Polyphony:	128 notes max
Voices:	137 PCM voices, including 8 drum kits, 1 effect
Voice Control:	Volume, Sustain, Tune, Transpose
Effect:	Reverb, Chorus
Styles:	110 styles
Style Features:	Synchro, Start/stop, Intro/Ending, Fill in 1/2, Main A/B O.T.S., Acc Volume
Keyboard Control:	Chord, Split, harmony, full keyboard, Twin, Dual 3 touch sensitivity and fixed touch select
Demo:	50 songs
Song Recording:	1 track accompaniment(TRACK1)+2 tracks(TRACK1, TRACK2) melody of real-time recording and playback.
Registration Memory:	4 x 4
Others:	Bluetooth Audio and BLE MIDI, Metronome and Tempo, USB MIDI via USB port,Play/Record Audio with Computer via USB port
Interface:	DC, Line Out, Line In, USB, MIDI Out, Pedals Headphones
Power Saving:	Auto Power Off
Speakers:	10W/4ohmX2
Accessories:	Manual, DC adapter, sustain pedal, music rack
Dimensions (W x D x H):	1325mm*325mm*125mm
Weight:	17.1kg

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