*Ringway*

■ Digital Piano
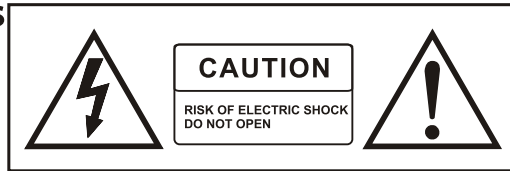
■ RP-220

**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

**CAUTION**

RISK OF ELECTRIC SHOCK
DO NOT OPEN

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

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

## Important Safety Instructions

1) Read these instructions.

2) Keep these instructions.

3) Heed all warnings.

4) Follow all instructions.

5) Do not use this apparatus near water.

6) Clean only with dry cloth.

(Figure 1)

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.
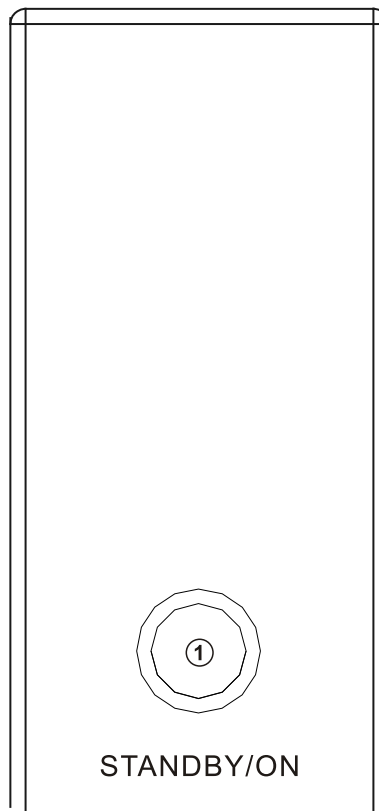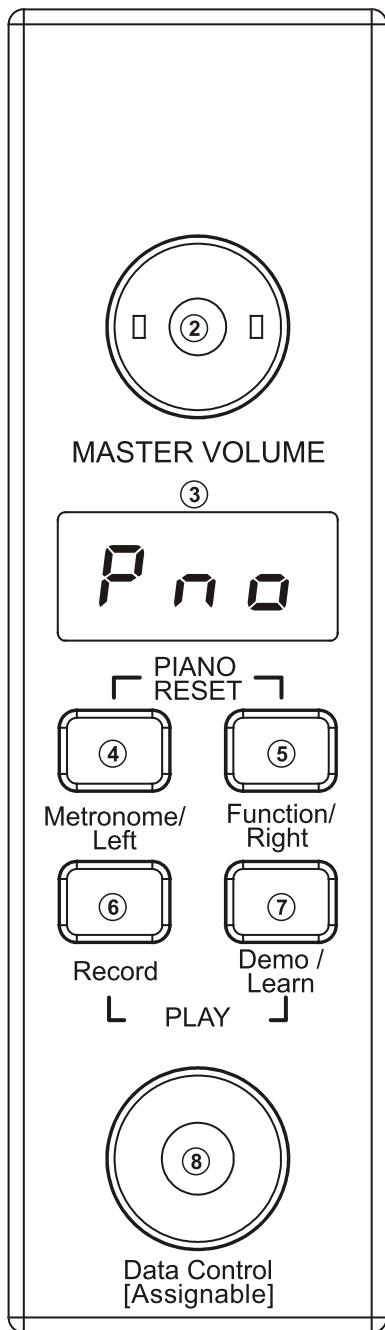
**Thank you for choosing the Digital Piano**

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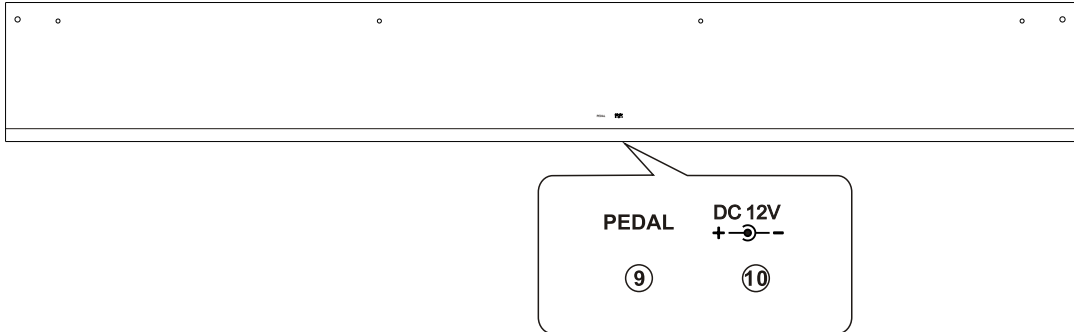
# Contents

MASTER VOLUME

③

Pno

PIANO
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④ ⑤

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Function/
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Record

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Learn

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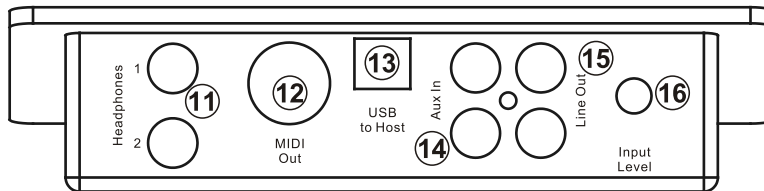[Assignable]

②

① STANDBY/ON

1. STANDBY/ON

2. MASTER VOLUME

3. LED DISPLAY

4. Metronome/Left Button

5. Function/Right Button

6. Record Button

7. Demo/Learn Button

8. Data Control Knob

## Rear Panel

PEDAL     DC 12V
+ —⊙— —

⑨       ⑩

9.  Pedal Connector

10. DC 12V

## Connections Panel

11. Headphones 1 / 2

12. MIDI Out

13. USB  to Host Connector

14. Aux Line In

15. Line Out

16. Aux Input Level

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

1) Follow the assembly instructions as outlined on page 46 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.
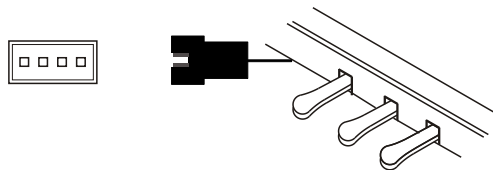
3) Plug the other end of the power cable into the power outlet.

> 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 [STANDBY/ON] button to turn on the power and the LCD display will light.

STANDBY/ON

```
P n o
```

## Auto Standby

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

## 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 [STANDBY/ON] button to deactivate the Auto Standby function.
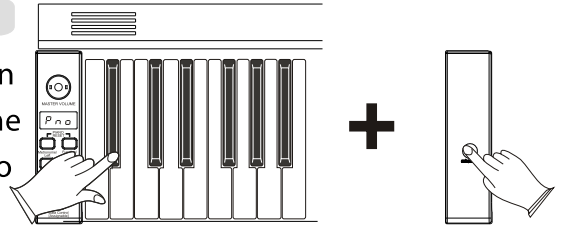
## Adjusting Volume & Start Playing

The speaker system in the piano is very powerful and can be overpowering in some rooms. Adjust the [MASTER VOLUME] control to a 12 o'clock position as a safe starting point. You can adjust the volume at any time even while you are playing .

MASTER VOLUME

Now play the keyboard. You should hear the rich tone of the default Grand Piano sound.

## Piano Pedals

Just like a regular grand piano, your piano feature 3 foot pedals:

### Damper Pedal (Right)
The damper pedal 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.
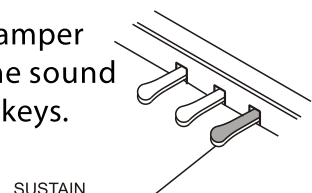
SUSTAIN

## Sostenuto Pedal (Center)

The sostenuto pedal also allows you to sustain notes, but it works a little different from the damper pedal. 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. All subsequently played notes will not be sustained.
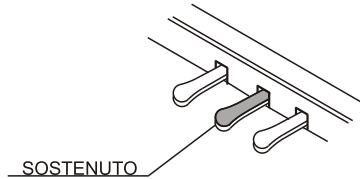
## Soft Pedal (Left)

The soft pedal on an acoustic piano changes the character of the sound, making it softer and quieter. The soft pedal on your piano does exactly the same.
Press the soft pedal when you need to play passages that require extreme pianissimo.
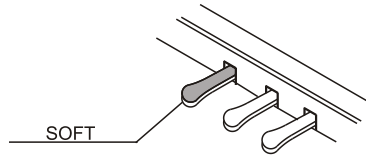
## Piano Reset

The Piano Reset Function resets selected aspects of the piano voices back to their default factory state. These elements are carefully selected to give you a quick and easy way to restore back to being a simple Grand Piano once more, with the Data Control knob assigned for selecting voices.

Press the [Metronome/Left] button and the [Function/Right] button at the same time. When both buttons are pressed the display will immediately change to show: $P \sqcap \varpi$
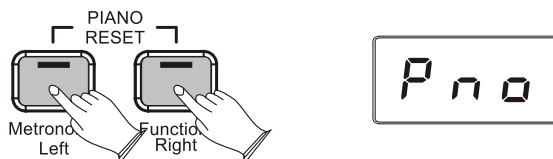
Now the piano is back in Performance Mode, with the Grand Piano voice selected, and the Data Control knob ready to choose other voices.
For a more detailed explanation of the Piano Reset function please check the appendix.

## Playing Demo Songs

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

### Listening to the Demo Song

Press the [DEMO/LEARN] button to enter Demo Play Mode and the button will flash.



Press the button to hear Demo Song 1.While the demo is playing, the [DEMO/LEARN] button will flash , and the LED display will show: *001*



If you allow playback to continue past the end of Demo Song 1,Demo Song 2 will begin to play, and after that, each of the remaining demos will continue to play in sequence until you press the [DEMO/LEARN] button. If the [DEMO/LEARN] button is not pressed to stop demo playback, after the end of the 16 demo songs, demo playback will continue from the beginning of Demo Song 1 until the Song button is pressed.

### Selecting the Demo Song

In Demo Song Palyback mode, you can turn the [Data Control] knob to the right until you see the desired Demo Song number appear in the LED display.

## Stopping Playing

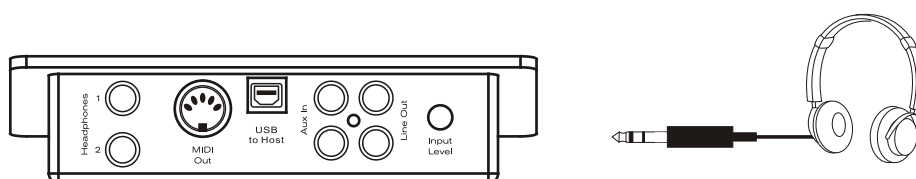Press the [DEMO/LEARN] button again to stop playing.

DEMO/
LEARN

$$P \ n \ o$$

# The Connector Box

## Headphones

The piano is equipped with two sets of standard stereo headphone jacks to accommodate 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.

## 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.
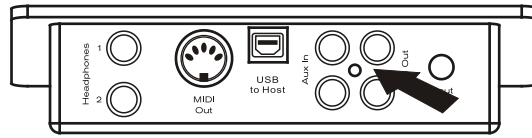
MIDI IN

MIDI OUT

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/USB Audio

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.
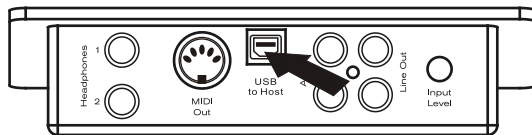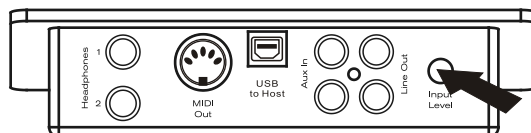


## Aux In

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.
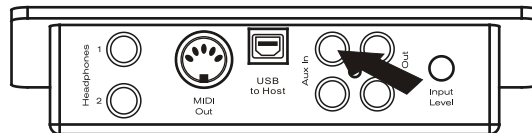


The Aux In signal level can be adjusted using the Input Level knob.

# Voice/Function

## Function Mode

In Function Mode, the keys on the piano keyboard do not make any sound. Instead, the keys are used for selecting and editing advanced functions. In most cases, an edit function is selected using the keyboard, and the Data Control knob is used to increase or decrease the value of the selected editing parameter. To enter Edit Mode, press the Voice/Function button.
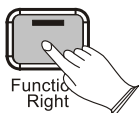
Function Right

$P\ n\ o$

C0    C1    C2    C3    C4    C5    C6    C7
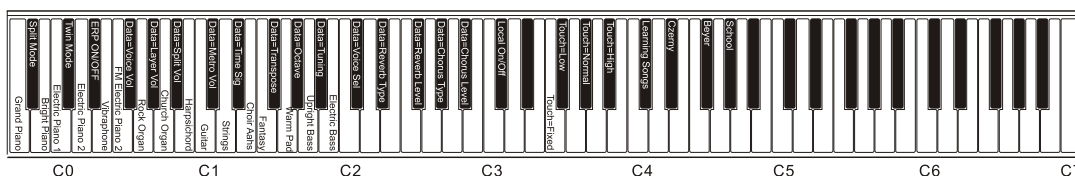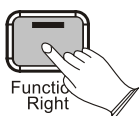
**NOTE**

Regardless of how the Data Control knob is assigned, it's possible to change voices by pressing and holding down the Voice/Function button while selecting a voice using the Data Control knob.

## Resetting the Data Control Knob to Voice Select

Press the [Function/Right] button. It will light up.

Function Right

$P\ n\ o$

Press the key #C2. The LED will then display the currently selected Voice. Now you can use the Data Control knob to select the desired Voice.

C0    C1    #C2

Data Control [Assignable]

$E\ P\ 2$
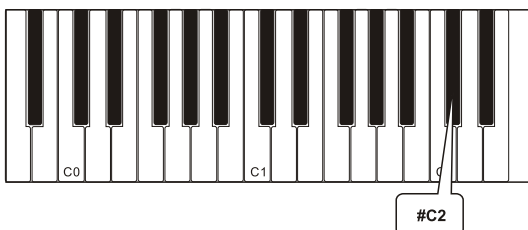
## Using the Voice Select Keys

The Voice Select keys offer an alternative method of selecting voices.

### To Select Different Voices Using Voice Select Keys:

Press the [Function/Right] button to enter Edit Mode. The LED in the [Function/Right] button will light.

Press and release one of the Voice Select keys on the keyboard.

The LED display will change to show the newly selected voice according to the following table:
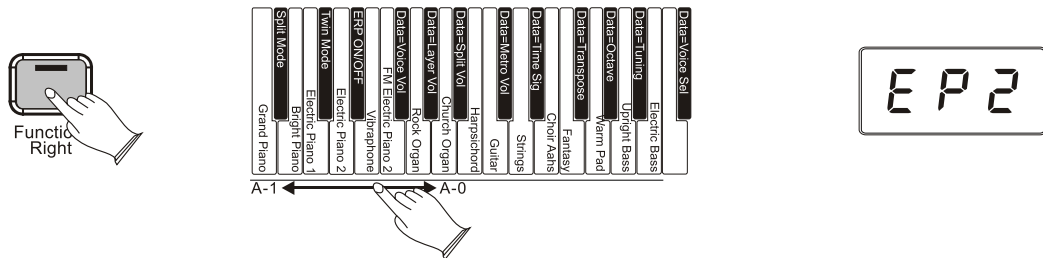


| Key | Sound Name | LED Display |
|-----|-----------|-------------|
| A-1 | Grand Piano | Pno |
| B-1 | Bright Piano | Brt |
| C0 | Electric Piano1 | EP1 |
| D0 | Electric Piano 2 | EP2 |
| E0 | Vibraphone | ulb |
| F0 | FM Electric Piano | FEP |
| G0 | Rock Organ | ro9 |
| A0 | Church Organ | Co9 |
| A-0 | Harpsichord | hAr |
| B-0 | Guitar | 9tr |
| C1 | Strings | Str |
| D1 | Choir Aahs | CHO |
| E1 | Fantansy | FAn |
| F1 | WarmPad | PAd |
| G1 | Upright Bass | UBS |
| A1 | Electric Bass | EBS |

## Split Mode

In 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.

### Use Split Mode
Press the [Function/Right] button to enter Edit Mode.
Press the bB-1 key to enter Split Mode. The LED display will show: **on**
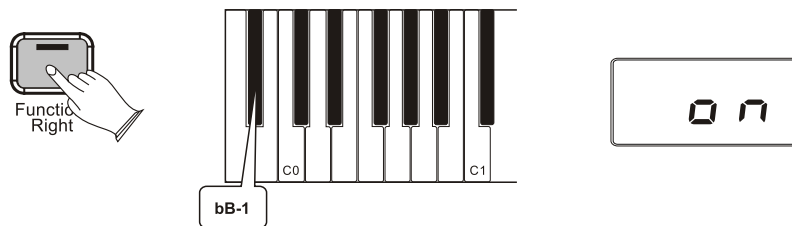
This will be displayed for 3 seconds. You can select the split voice by turning the Data Control knob or reference to voice selection(P10-P11)in 3 seconds. After 3seconds, it will change to show the currently main voice.
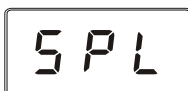
### Change the Split Point
Press and hold on the [Function/Right] button t.

The LED display will show "SPL" for 3 seconds, then you can turn the Data Control knob or play any of keys on the keyboard to select the Split Point in 3 seconds, after 3 seconds the LED will display the currently selected voice.
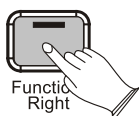
```
5 P L
```

The LED will show the value you selected.
Range: 00-87.

```
3 4
```

Data Control
[Assignable]

## To Independently Control Volume Levels of Left Hand and Right Hand Voices:

### 1.Left Hand Voice Volume:
Press the [Function/Right] button to enter Edit Mode.

```
P n o
```

Functic
Right

Press the Bb0 key to assign the Data Control knob to control the Split Voice
(Left Hand Voice) volume.

The LED display will show: $127$

C0          C1          C2

Bbo

```
1 2 7
```
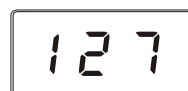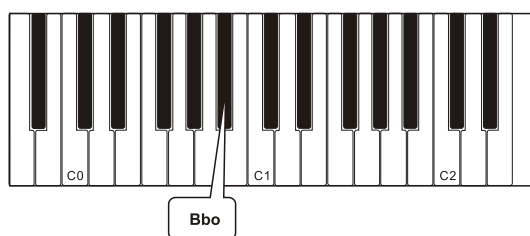
Use the Data Control knob to select a Split Voice volume level between 0 (minimum) and 127 (maximum). You can play as you do this to hear the volume change.
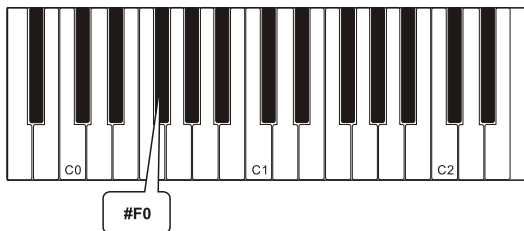
Data Control
[Assignable]

$100$

## 2.Right Hand Voice Volume:
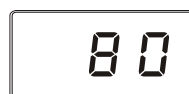
Press the [Function/Right]] button to enter Edit Mode.

Function
Right

$127$

Press the #F0 key to assign the Data Control knob to control the Right Hand Voice volume.

The LED display will show: $127$
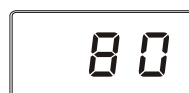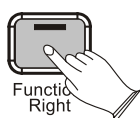
C0      C1      C2

#F0

$127$

Use the [Data Control] knob to select a Right Hand Voice volume level between 0 (minimum) and 127 (maximum). You can play as you do this to hear the volume change.

Data Control
[Assignable]
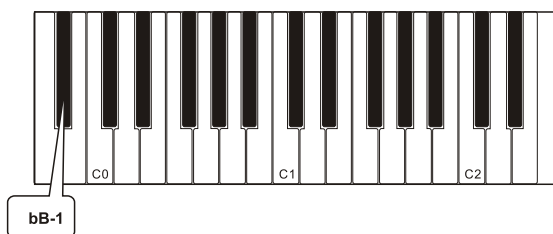


**To turn off Split Mode:**

Press the [Function/Right] button.



Function
Right



Press the Split Mode key (bB-1) to turn off Split Mode.

The display will show "off" for 3 seconds.

Then the LED display will return to showing the name of the currently selected Voice.



C0        C1        C2

bB-1



**Layer Mode**

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

**To use Layer Mode:**

Press the [Function/Right] button to enter Edit Mode.

Press and hold down a Voice Select key (any white key in the lowest octave of the piano). This will select the Main Voice. (See the section on Using the Voice Select Keys at the beginning of the Edit Mode Functions section for more information on selecting voices in this manner.)

While continuing to hold the first Voice Select key, press a second Voice Select key. This will select the Layer Voice.
While both keys are held down the display will show:  ⌐ 0 9



This piano is now in Layer Mode. Both the Main and Layer Voices will sound when keys are pressed.(In the example illustration, Bright Piano is the Main Voice (because it is selected first), and Rock Organ is the Layer Voice (because it is selected second).
If the Data Control knob is used to change voices while in Layer Mode, it will affect the main Voice only. The Layer Voice will stay the same until Layer Mode is turned off again.
Please note that polyphony may be reduced while Layer Mode is in use.

**To Adjust the Volume of the Layer Voice:**

Press the [Function/Right] button to enter Edit Mode.
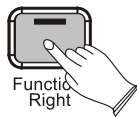
Press the Layer Volume key (bA0).

```
0 7 5
```
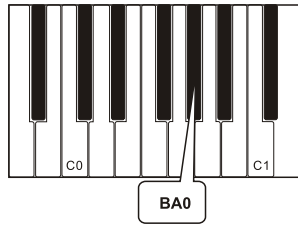
Use the Data Control knob to select a Layer Voice volume level between 0 (minimum) and 127 (maximum). You can play as you do this to hear the volume change.
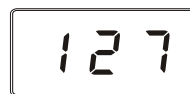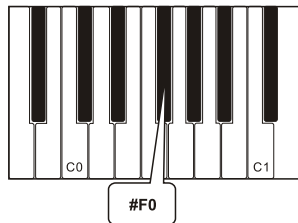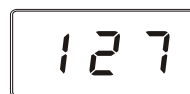
Data Control
[Assignable]

```
1 0 0
```

## To Adjust the Volume of the Main Voice:

Press the [Function/Right] button to enter Edit Mode.

Function
Right

```
P n o
```

Press the Voice Volume key (#F0).

```
1 2 7
```

Use the Data Control knob to adjust the Voice volume.

Data Control
[Assignable]

```
1 2 7
```

## To Turn Off Layer Mode:

Press the [Function/Right] button to enter Edit Mode.
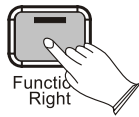


Select a single Voice by pressing a single Voice Select Key.
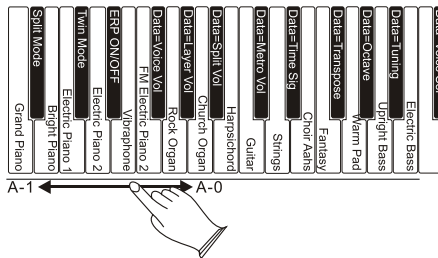


## Twin Mode

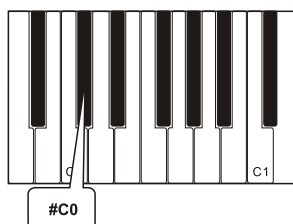In Twin mode, the keyboard will be separated into two play areas.

### Use Twin Mode

Press the [Function/Right] button to enter Edit Mode.

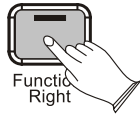Press the #C0 key to enter Twin Mode. The LED display will show: on
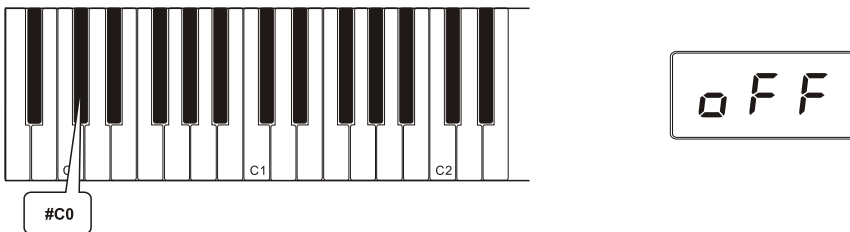
Right: from #C3 to C7

Left: from A-1 to C3

## To turn off the Twin Mode:

Press the [Function/Right] button.

Press the Twin Mode key (#C0) to turn off the Twin Mode.
The display will show "off" for 3 seconds.
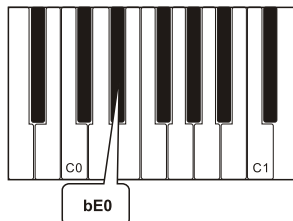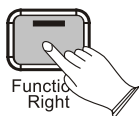
## Erp On /Off

Your piano will switch off automatically in 30 minutes after no any operation on it. In this case, press the [STANDBY/ON] button again to turn on the power.
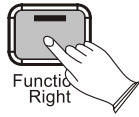
### Use Erp On

Press the [Function/Right] button to enter Edit Mode.
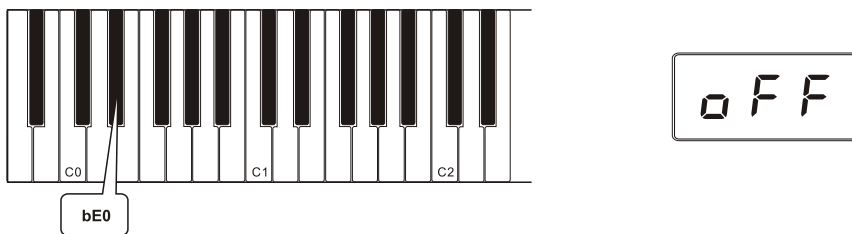Press the bE0 key to enter the Erp On Mode. The LED display will show: on

**To turn off the Erp Mode:**

Press the [Function/Right] button.
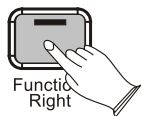
Press the Erp On/Off key (bB0) to turn off the Erp Mode.
The display will show "off" for 3 seconds.
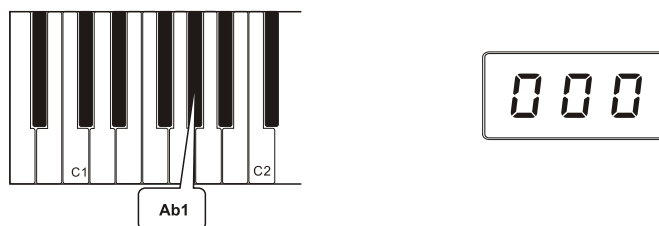
## Octave

Pressing this key will set the Data Control knob to increase or decrease the octave setting.

Press the [Function/Right] button to enter Edit Mode.

Press the Octave Key (bA1).
The LED display will momentarily show: 000

Use the Data Control knob to select the desired Octave.
Turning the Data Control knob clockwise will raise the keyboard's pitch in octave increments, and turning it counter-clockwise will lower it in octave increments. Value:-02~002.
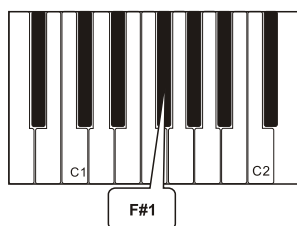


Data Control
[Assignable]

002

## Transpose

Pressing this key will set the Data Control knob to increase or decrease the keyboard's transpose value.

Press the [Function/Right] button to enter Edit Mode.



Functio
Right

Pno

Press the Transpose key (F#1).
The LED display will momentarily show: 000



C1        C2

F#1

000

Use the Data Control knob to select the desired Transpose Value.
Turning the Data Control knob clockwise will raise the keyboard's pitch in semitone increments, and turning it counter-clockwise will lower it in semitone increments. Value:-12~012.
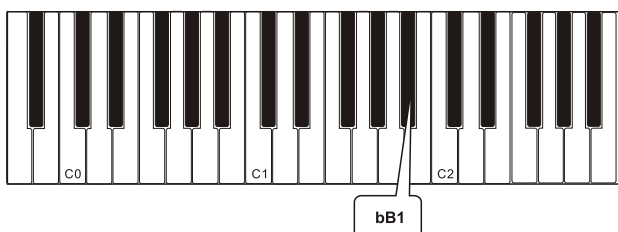
Data Control
[Assignable]

| 0 0 4 |

## Master Tuning

Pressing this key will set the Data Control knob to raise or lower（"fine-tune"）the Master Tune setting of the piano.
Press the [Function/Right] button to enter Edit Mode.

Functio
Right

| P n o |
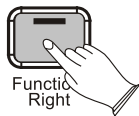
Press the Master Tuning key (bB1).
The LED display will momentarily show:   0 0 0

C0            C1            C2

bB1

| 0 0 0 |

Use the Data Control knob to select the Master Tuning.
The LED display will show a positive, negative, or zero value between -64 and 063.
Of course, this piano never actually "goes out of tune," but the Master Tuning
feature can be useful when you are playing along with another instrument or recording
that may be slightly above or below standard pitch.

Data Control
[Assignable]

```
- 1 0
```
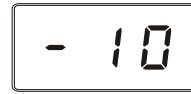
## Touch

The Touch Select control, sometimes referred to as Velocity Curve, lets you decide
how the pressure with which you hit the keys determines the volume at which the
notes play. This piano provides you with four different keyboard sensitivity options:

**Normal** (bA3 key)  is the default setting, and is designed to be useful for most
players with an "average" touch (i.e.: people who play
with an average amount of force). When selecting this option
(explained further below), the LED display shows: nor

**Low** (#F3 key)  is a sensitivity setting that generates lower velocity values for
the same force. This setting is useful for playing more quietly,
even if you have a "heavy" touch. When selecting this option
(explained further below), the LED display shows: Lo

**High** (bB3 key)  is a sensitivity setting that generates higher velocity values for
the same force. This setting is useful for playing more loudly,
even if you have a naturally "light" touch. When selecting
this option explained further below), the LED display shows: hi

**Fixed** (F3 key)  is a setting that effectively disables sensitivity, meaning the
keyboard will generate a fixed velocity value of 100 regardless
of how hard or soft you play.  When selecting this option
(explained further below), the LED display shows: on

## To Set the Keyboard Sensitivity:

Press the [Function/Right] button to enter Edit Mode.



Press the desired Touch Select key (F3, #F3, bA3, bB3).
The LED display will show the selected Touch setting. Please note that these keys are in the middle of the keyboard. If you need help locating them, please refer to the included laminated Special Function Key chart.
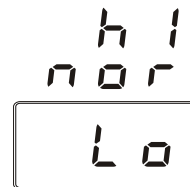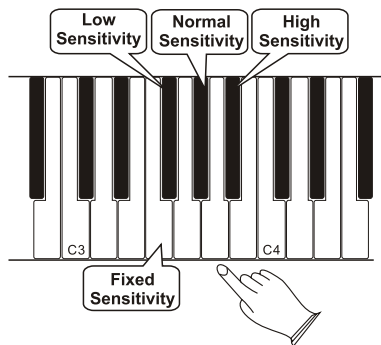


## Reverb

In Reverb mode, you can select a number of digital reverb effects that you can use for extra depth and expressive power.
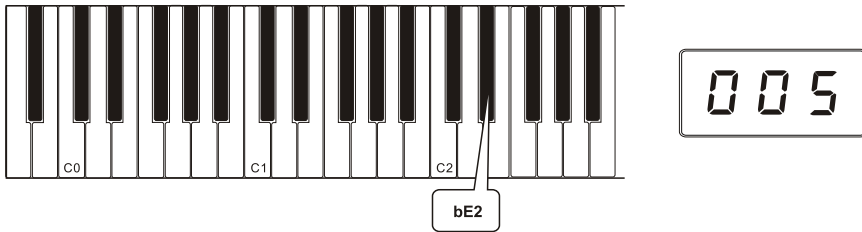
### To Select Reverb Type:
Press the [Function/Right] button to enter Edit Mode.



Press the Reverb Type key (bE2).
The LED display will momentarily show: $004$

005

bE2

Use the Data Control knob to select the desired Reverb Type.
Turning the Data Control knob select the desired Reverb Type. Value:001-010(
001: Hall 1; 002: Hall 2; 003: Room 1; 004: Room 2; 005:Room 3; 006: Stage 1;
007: Stage 2; 008: Plate; 009: Delay ; 010: Echo.(Default: 005)



Data Control
[Assignable]

005

### To Turn Off the  Reverb type:

Turn the  Data Control knob until the LED show "*000*" to turn off the Reverb type.
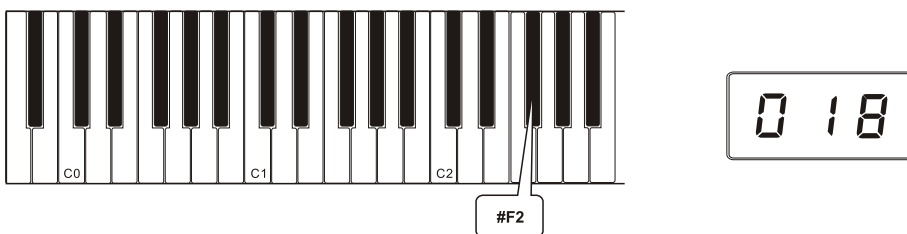
### To Adjust the Reverb Level :

Press the [Function/Right] button.



Functio
Right

Press the Reverb Level key (#F2).
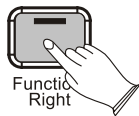The LED display will momentarily show: *018*



018

#F2

Turn the Data Controller knob to adjust the reverb level setting. The minimum setting is 000, and the maximum setting is 127.
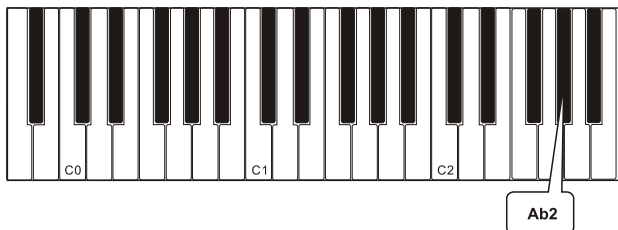
Data Control
[Assignable]

```
064
```

## Chorus

### To Select the Chorus Type:

Press the [Function/Right] button to enter Edit Mode.

Functic
Right

```
Pno
```

Press the Chorus Type key (Ab2).

The LED display will momentarily show: $\mathit{000}$

C0        C1        C2

Ab2

```
000
```

Use the Data Control knob to select the desired Chorus Type.

Turning the Data Control knob select the desired Chorus Type. Value:000-013( 000: Off; 001: Chorus 1; 002: Chorus 2; 003: Chorus 3; 004: Chorus 4; 005: Feedback; 006: Flanger 1; 007: ShrtDelay ; 008 ShrtdlFb; 009: Flanger 2; 010: Flanger 3; 011Celeste 1; 012:Celeste 2; 013:Celeste 3. (Default: 000)