

KURZWEIL®

***KAG-100***

USER'S  
MANUAL

English Manual

**HDC** YOUNG CHANG  
MUSIC

## Precaution

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

## Safety Precautions



The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of un-insulated "dangerous voltage" Within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



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

## Important Safety Instructions



(Figure 1)

- 1) Read these instructions.
  - 2) Keep these instructions.
  - 3) Heed all warnings.
  - 4) Follow all instructions.
  - 5) Do not use this apparatus near water.
  - 6) Clean only with dry cloth.
  - 7) Do not block any ventilation openings, and install in accordance with the manufacturer's instructions.
  - 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
  - 9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
  - 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
  - 11) Only use attachments/accessories specified by the manufacturer.
  - 12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over (Figure 1) .
  - 13) Unplug this apparatus during lightning storms or when unused over a long period of time.
  - 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- WARNING:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
- CAUTION:** Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.
- Always make sure all batteries are inserted in conformity with the +/- polarity markings.
- Always replace all batteries at the same time. Do not use new batteries together with old ones. Also, do not mix battery types, because this can cause overheating, fire, or battery fluid leakage.
- Remove the batteries from the instrument if it is not to be used in a long time.

## **Thanks for Using Our Digital Piano**

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

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# Panel Control

## **Top Panel**

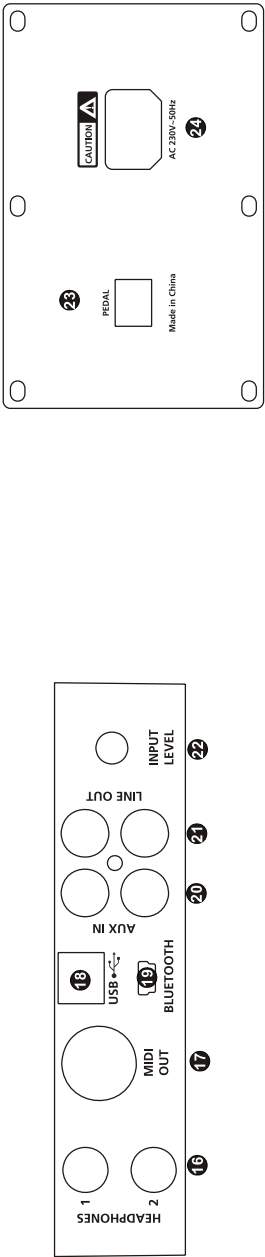
1. POWER
2. MASTER VOLUME fader
3. BRIGHTNESS fader
4. MULTI DISPLAY
5. ACCOMPANIMENT CONTROL
  - [ ◀ACCOMP.▶ ] button
  - [TAP/TEMPO] button
  - [METRONOME] button
  - [O.T.S] button
  - [CHORD] button
  - [SYNCHRO] button
  - [INTRO/ENDING] button
  - [START/STOP] button
  - [FILL IN] button
  - [VARIATION]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

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

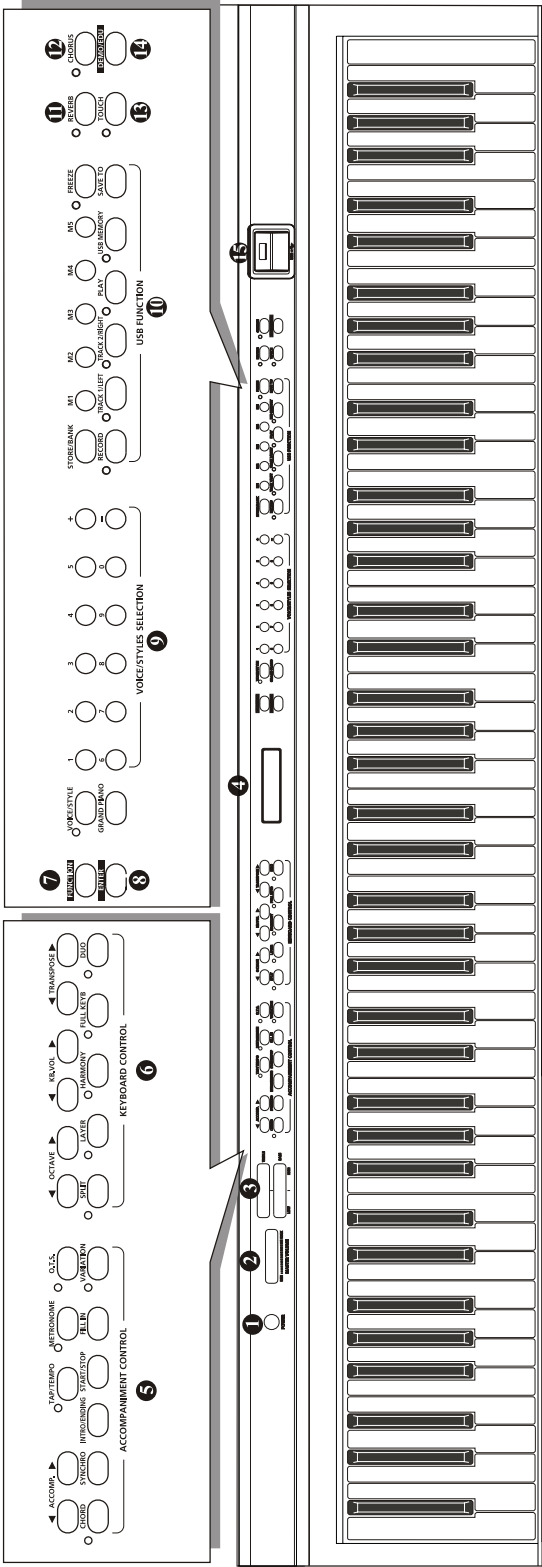
## **Interface Panel**

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

Interface Panel



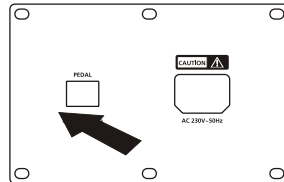
Top Panel



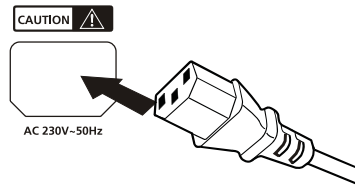
## Set Up

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

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



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



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

### **NOTE**

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

# Basic Operation

## Standby/On

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



## Auto Standby

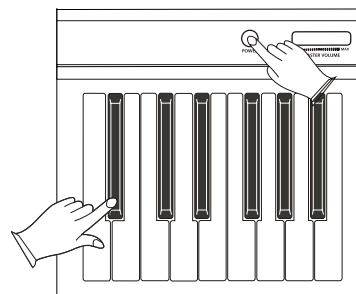
Your piano will switch off automatically in 30 minutes after no any operation on it. In this case, press the [POWER] button again to turn on the power.

### NOTE

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

## Deactivate Auto Standby Function

Hold the first white key and first black key on the left side of the keyboard at the same time and then press the [POWER] button to deactivate the Auto Standby function. (Reference: Auto Power off time P43)



## Foot Pedals

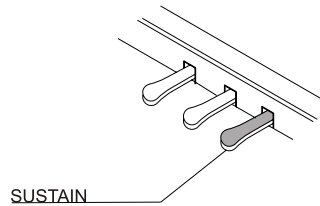
Connect the plug of the foot pedal unit to the pedal jack in the button panel.

PEDAL



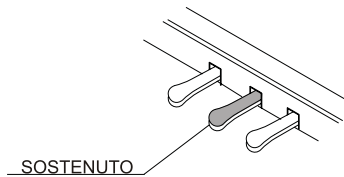
### **Damper Pedal (Right)**

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



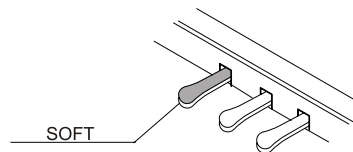
### **Sostenuto Pedal (Center)**

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



### **Soft Pedal (Left)**

The Soft Pedal controls the sound volume. Press the pedal to decrease the output sound volume.



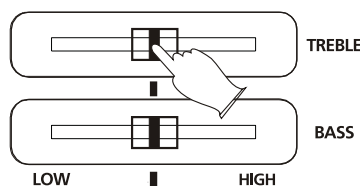
## Adjust the Volume

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



## Adjust the Sound

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

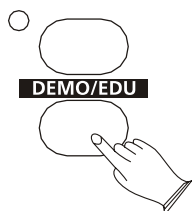


## Demo Play

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

### Listen to the Demo Song

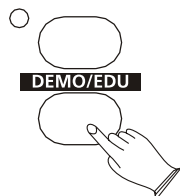
Press [DEMO/EDU] button to play the demo songs in sequence. Use [+] and [-] button or number [1-9] to select the number of the song you want to play.



\* DEMO01 \*0000  
Tem:140 Tran:-0-

## **Stop Playing**

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



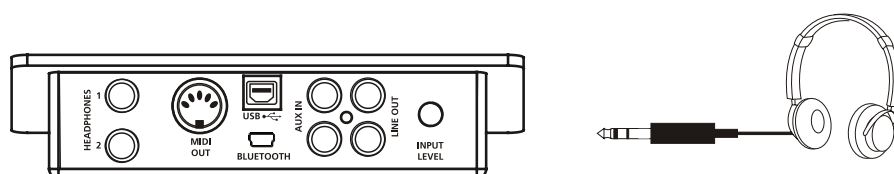
|                  |
|------------------|
| 01:GrandPno      |
| Tem:120 Tran:-0- |

## The Connector Box

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

### Headphones

Two sets of standard stereo headphones can be plugged in here for private practice or late-night playing. The internal speaker system is automatically shut off when a pair of headphones is plugged into the 1.Headphone jack.

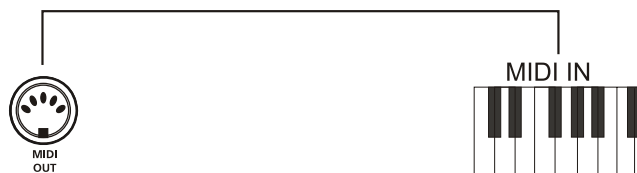


#### NOTE

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

### MIDI OUT

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

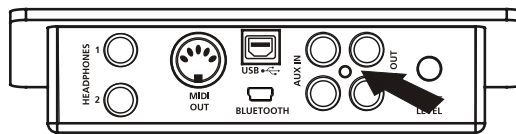


**NOTE**

MIDI OUT Transmits MIDI data to another MIDI device.

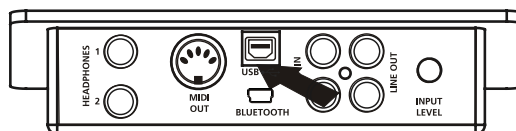
**Line OUT**

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

**Using USB-MIDI**

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

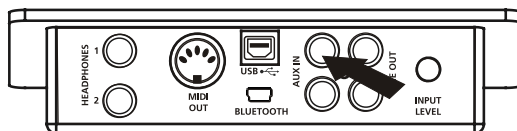
USB AUDIO interface is a digital audio interface. By USB cable, you can digitally transfer intact audio signals of PC to this instrument, and enjoy it on this instrument or use it for accompany when you play this instrument; likewise, you can transfer intact audio signals of the instrument to PC to record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

**NOTE**

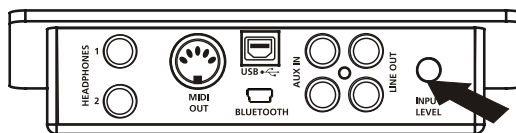
The piano also support the USB Audio.

## Aux In

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

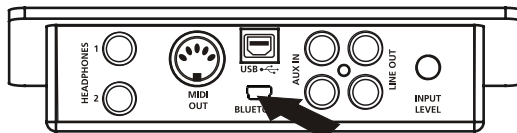


The Aux In signal level can be adjusted using the Input Level knob.



## Blue tooth

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

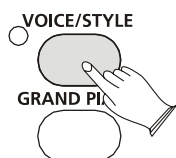


# Voices

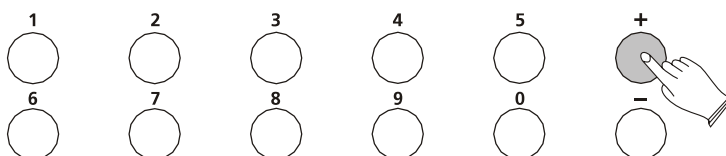
Your instrument has 128(01-128) GM standard voices.  
72(129-200) XM voices (include 8 percussion kits and 1 set of sound effect) that you can select and play.

## Selecting a Voice

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



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

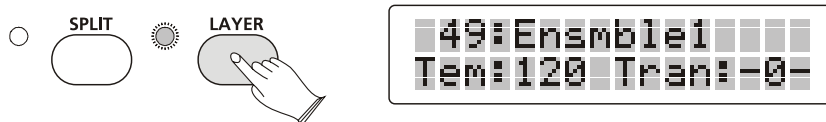


## Dual Mode

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

## **Select Dual Voice**

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



## **Setting the Dual Voice Volume**

Reference: Dual Voice Volume (P.14).

## **Exit the LayerMode**

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

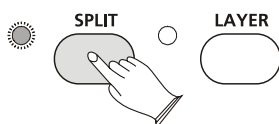


## **Split Mode**

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

## **Select Split Voice**

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



33:AcstBass  
Tem:120 Tran:-0-

## **Changing the Split Point**

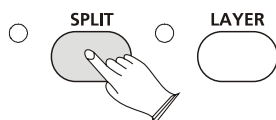
Hold down the [SPLIT] button until the LCD shows "Split Point", then use [+] or [-] button to select the split point.

## **Setting the Split Voice Volume**

**Reference:** Split Voice Volume (P.14).

## **Exit the Split Mode**

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

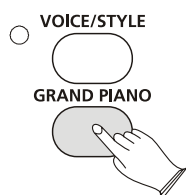


01:GrandPno  
Tem:120 Tran:-0-

## **Grand Piano**

Press [GRAND PIANO] button.

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



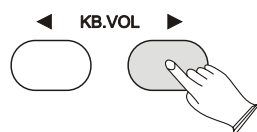
01:GrandPno  
Tem:120 Tran:-0-

## Adjusting Keyboard Volume

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

### Split Voice Volume

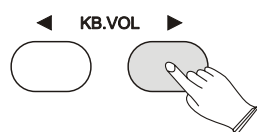
In Split mode, when the Split indicator is flashing, press [KB.VOL ◀▶] button can adjust the split voice volume, while the split indicator is lit.



|                 |  |  |  |  |  |  |  |  |  |
|-----------------|--|--|--|--|--|--|--|--|--|
| 33:AcstBass     |  |  |  |  |  |  |  |  |  |
| 127:SplitVolume |  |  |  |  |  |  |  |  |  |

### Dual Voice Volume

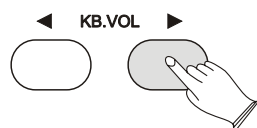
In Dual mode, when the Layer indicator is flashing, press [KB.VOL ◀▶] button can adjust the Layer voice volume, while the dual indicator is lit.



|                |  |  |  |  |  |  |  |  |  |
|----------------|--|--|--|--|--|--|--|--|--|
| 49:Ensemble1   |  |  |  |  |  |  |  |  |  |
| 75:Dual.VOLUME |  |  |  |  |  |  |  |  |  |

### Main Voice Volume

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



|                 |  |  |  |  |  |  |  |  |  |
|-----------------|--|--|--|--|--|--|--|--|--|
| 01:GrandPro     |  |  |  |  |  |  |  |  |  |
| 127:Main.VOLUME |  |  |  |  |  |  |  |  |  |

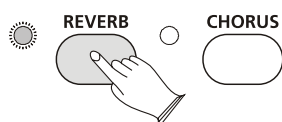
## Effect

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

### Reverb

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

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



01:GrandPho  
RevType:Hall1

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

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

#### NOTE

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

### Adjusting Reverb Depth

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

## Chorus

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



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

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

### NOTE

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

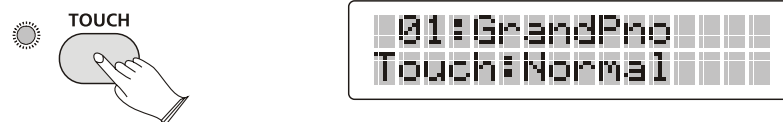
## Adjusting Chorus Depth

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

## Touch

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

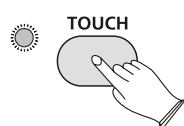
Press the [TOUCH] button, use [+] and [-] button to select the touch sensitivity type.



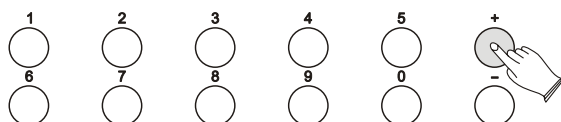
| No. | Name   | Description                                                                                                           |
|-----|--------|-----------------------------------------------------------------------------------------------------------------------|
| 01  | Normal | is defined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

## Setting Fixed Touch Value

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



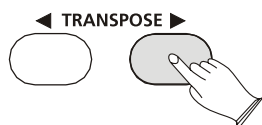
Use [+] and [-] button or [0-9] number buttons to select the touch sensitivity default value.



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

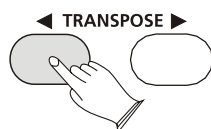
## Transpose

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



|             |         |  |  |  |  |  |  |
|-------------|---------|--|--|--|--|--|--|
| 01:GrandPno |         |  |  |  |  |  |  |
| Ten:120     | Tran:+1 |  |  |  |  |  |  |

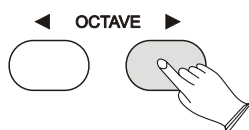
Use [TRANSPOSE ◀/▶] button to transpose up or down as required. The transposition range is from "-12" (down one octave) through "0" (normal pitch) to "12" (up one octave).



|             |  |  |  |  |  |  |  |
|-------------|--|--|--|--|--|--|--|
| 01:GrandPno |  |  |  |  |  |  |  |
| 0:TransPose |  |  |  |  |  |  |  |

## Octave Mode

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



|               |  |  |  |  |  |  |  |
|---------------|--|--|--|--|--|--|--|
| 01:GrandPno   |  |  |  |  |  |  |  |
| 0:Main.Octave |  |  |  |  |  |  |  |

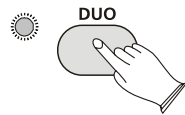
**Main Voice Octave:** In main voice mode, press [OCTAVE ◀/▶] button to set the main voice octave value.

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

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

## DUO Mode

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



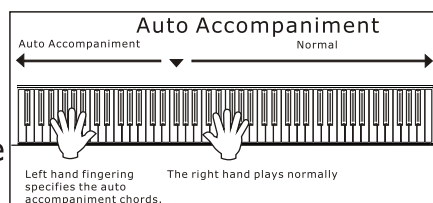
|              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 01:GrandPho  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| On:Twin Mode |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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

# Auto Accompaniment

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

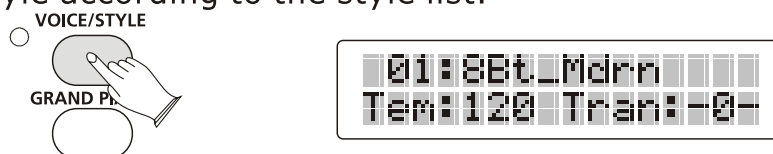
The default Auto Accompaniment split point is the  $\#F2$  key. The Auto Accompaniment section of the keyboard Consists of all keys to its left .



## Selecting a Style

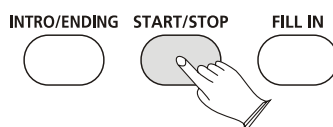
When [VOICE/STYLE] button is light, the style mode is selected and the current style number and the name will display on the LCD Display section.

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



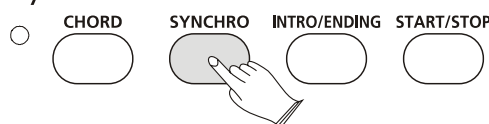
## Start a style

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



## **Synchro Start**

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

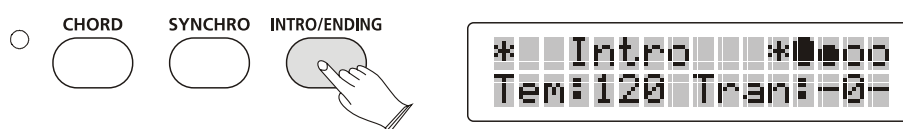


## **Starting the Accompaniment with an Introduction**

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

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

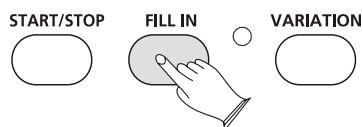
When the INTRO finishes playing, the accompaniment will change to the main style pattern.



## **Adding Fill In**

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

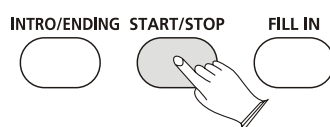
If you press the [SYNCHRO] button and then the [FILL IN] button, the accompaniment will start from the fill-in as soon as a chord is detected in the AUTO ACCOMPANIMENT section of the keyboard.



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

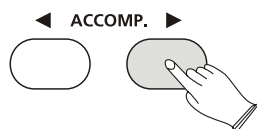
## Stop a Style

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



## Adjusting the Accompaniment Volume

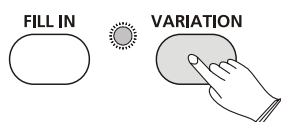
Press [ACCOMP. ◀▶] button to enter the accompaniment volume setting mode, LCD displays the value, use number button, [+] and [-] button or turn the dial to adjust the volume value.



```
01:8Bt_Mdrn
115:Acc.Volme
```

## Variation

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

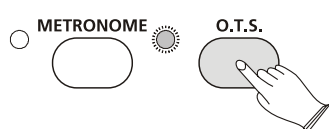


```
* Fill 1→B *0000
Tem:120 Tran:-0-
```

## One Touch Setting

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

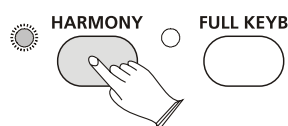
Press [O.T.S.] button repeatedly can turn on or turn off One Touch Setting.



## Harmony

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

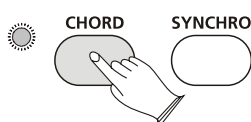
Press [HARMONY] button, the indicator is lit.



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

## Chord Function

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



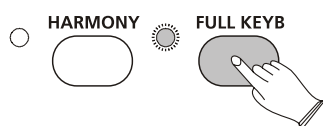
01:8Bt\_Mdrn  
Tem:120 Tran:-0-

## Full Keyboard

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

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

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

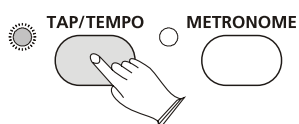


01:8Bt\_Mdrn  
Tem:120 Tran:-0-

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

## Tap/Tempo

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



01:8Bt\_Mdrn000  
Tem:120 Tran:-0-

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

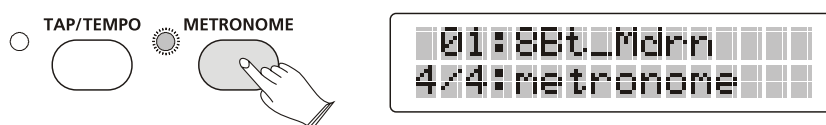
## Metronome

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

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

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

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

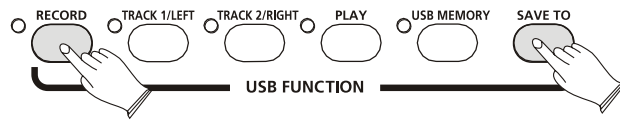


## User Rhythm Recording

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

### Save User Style

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



## **Play User Style**

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