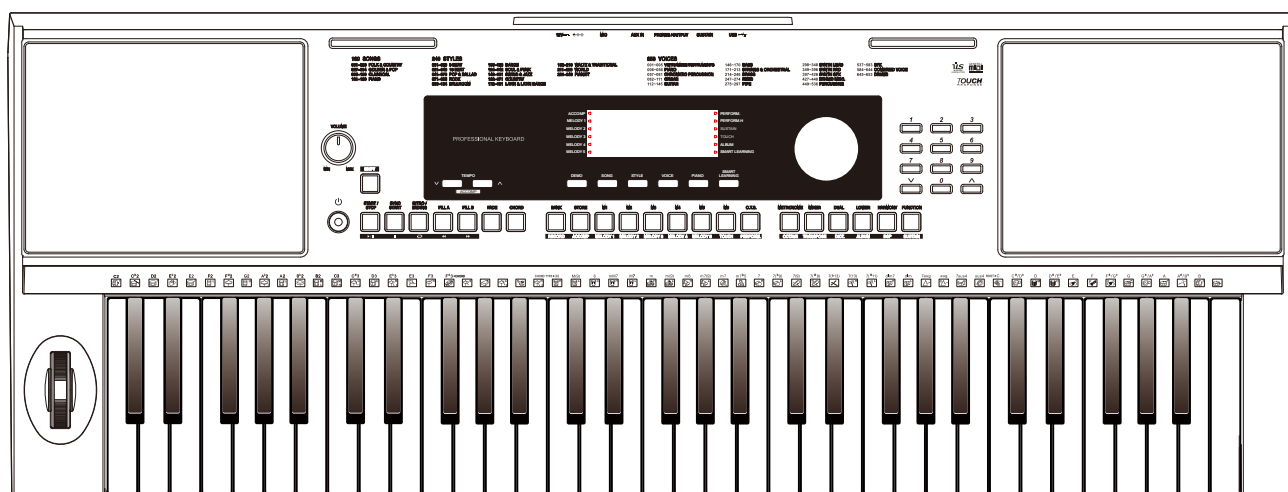


# KURTZMAN

## ELECTRONIC KEYBOARD

### Owner's Manual

### K250



# INFORMATION FOR YOUR SAFETY!

## THE FCC REGULATION WARNING (for USA)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Unauthorized changes or modification to this system can void the user's authority to operate this equipment.

### CAUTION

The normal function of the product may be disturbed by Strong Electro Magnetic Interference. If so, simply reset the product to resume normal operation by following the owner's manual. In case the function could not resume, please use the product in other location.

## PRECAUTIONS

### PLEASE READ CAREFULLY BEFORE PROCEEDING

Please keep this manual in a safe place for future reference.

#### Power Supply

Please connect the designated DC adaptor to an AC outlet of the correct voltage.

Do not connect it to an AC outlet of voltage other than that for which your instrument is intended.

Unplug the DC power adaptor when not using the instrument, or during electrical storms.

#### Connections

Before connecting the instrument to other devices, turn off the power to all units. This will help prevent malfunction and / or damage to other devices.

#### Location

Do not expose the instrument to the following conditions to avoid deformation, discoloration, or more serious damage:

- Direct sunlight
- Extreme temperature or humidity
- Excessive dusty or dirty location
- Strong vibrations or shocks
- Close to magnetic fields

#### Interference with other electrical devices

Radios and televisions placed nearby may experience reception interference. Operate this unit at a suitable distance from radios and televisions.

#### Cleaning

Clean only with a soft, dry cloth.

Do not use paint thinners, solvents, cleaning fluids, or chemical-impregnated wiping cloths.

#### Handling

Do not apply excessive force to the switches or controls.

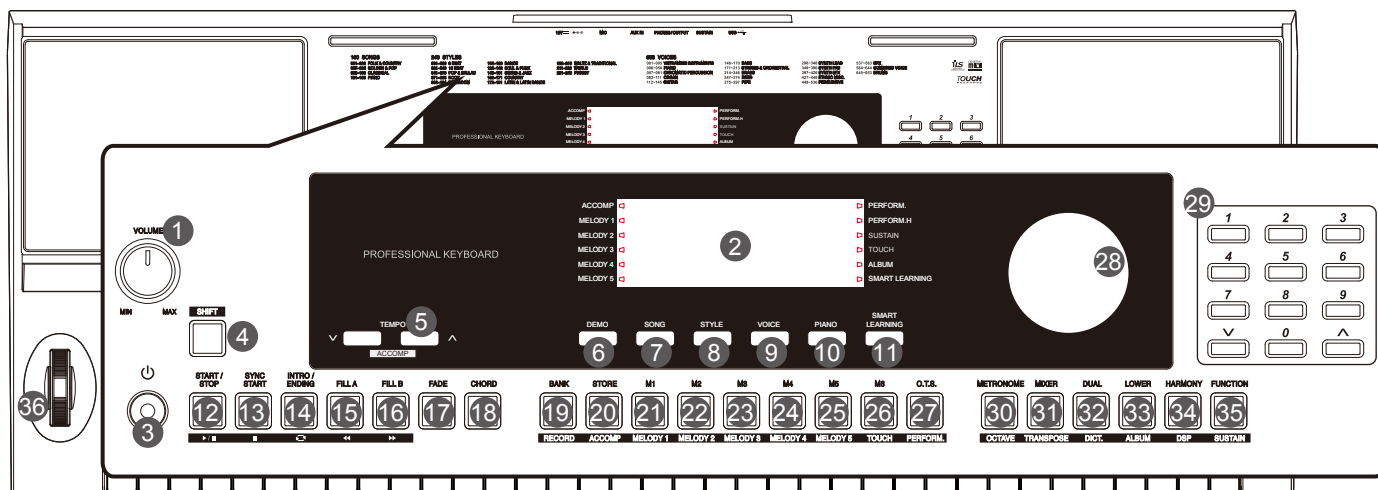
Do not let paper, metallic, or other objects into the instrument. If this happens, remove the electric plug from the outlet. Then have the instrument inspected by qualified service personnel.

Disconnect all cables before moving the instrument.

|                                                     |           |
|-----------------------------------------------------|-----------|
| <b>Panel &amp; Display Description</b>              |           |
| Front Panel.....                                    | 4         |
| Rear Panel.....                                     | 5         |
| LCD.....                                            | 5         |
| <b>Setup</b>                                        |           |
| Power Supply.....                                   | 6         |
| Setting a Music Stand.....                          | 6         |
| Using Sustain Pedal.....                            | 6         |
| <b>Connections</b>                                  |           |
| Connecting a pair of Headphones.....                | 7         |
| Connecting an Audio Equipment.....                  | 7         |
| Connecting an MP3/CD Player.....                    | 7         |
| Connecting a Computer.....                          | 7         |
| Connecting a Microphone.....                        | 7         |
| <b>Power Switch and Master Volume.....</b>          | <b>8</b>  |
| <b>Playing Demo Songs.....</b>                      | <b>8</b>  |
| <b>Playing Voices.....</b>                          | <b>9</b>  |
| <b>Playing Styles.....</b>                          | <b>9</b>  |
| <b>Playing Songs.....</b>                           | <b>10</b> |
| <b>Record.....</b>                                  | <b>10</b> |
| <b>Playing Voices</b>                               |           |
| Play a Voice.....                                   | 11        |
| Playing Two Voices Simultaneously-DUAL.....         | 11        |
| Playing Different Voices with Both Hands-LOWER..... | 11        |
| Touch.....                                          | 12        |
| Sustain.....                                        | 12        |
| Pitch Bend.....                                     | 12        |
| Transpose.....                                      | 12        |
| Octave.....                                         | 13        |
| Piano Mode.....                                     | 13        |
| Metronome.....                                      | 13        |
| <b>Auto Accompaniment</b>                           |           |
| Play Auto Accompaniment(Rhythm Track Only).....     | 14        |
| Play Auto Accompaniment(All Tracks).....            | 14        |
| Accompaniment Sections.....                         | 15        |
| Playing Different Accompaniment Sections.....       | 15        |
| Fade.....                                           | 15        |
| Accompaniment Volume.....                           | 16        |
| Chord Fingering.....                                | 16        |
| Tempo.....                                          | 17        |
| One Touch Setting.....                              | 17        |
| <b>Harmony</b>                                      |           |
| Harmony Switch.....                                 | 18        |
| Play with Harmony Effect.....                       | 18        |
| <b>Performance Assistant</b>                        |           |
| What's the Performance Assistant?.....              | 18        |
| Enter the Performance Assistant.....                | 18        |
| Guitar Mode.....                                    | 19        |
| Playing in Guitar Mode.....                         | 19        |
| Piano Mode.....                                     | 20        |
| Playing in Piano Mode.....                          | 20        |
| Exit the Performance Assistant.....                 | 20        |
| <b>DSP.....</b>                                     | <b>21</b> |
| <b>Mixer.....</b>                                   | <b>21</b> |
| <b>Pedal Function.....</b>                          | <b>22</b> |
| <b>Function Menu</b>                                |           |
| Tune.....                                           | 23        |
| KeySplit.....                                       | 23        |
| Beat Type.....                                      | 24        |
| Metronome Volume.....                               | 24        |
| Pedal Type.....                                     | 24        |
| EQ Type.....                                        | 24        |
| Reverb Type.....                                    | 24        |
| Reverb Level.....                                   | 25        |
| Chorus Type.....                                    | 25        |
| Chorus Level.....                                   | 25        |
| Harmony Type.....                                   | 25        |
| MIDI IN.....                                        | 26        |
| MIDI OUT.....                                       | 26        |
| Auto Power Off.....                                 | 26        |
| Performance Beat.....                               | 27        |
| Vocal Effects.....                                  | 27        |
| Vocal Effect Level.....                             | 27        |
| <b>Restore Factory Setting.....</b>                 | <b>27</b> |
| <b>Register Memory</b>                              |           |
| Registering the Panel Setting.....                  | 28        |
| Recalling the Registered Panel Settings.....        | 28        |
| Selecting a Registration Bank.....                  | 28        |
| <b>Song Album.....</b>                              | <b>28</b> |
| <b>Record</b>                                       |           |
| Start Recording.....                                | 29        |
| Stop Recording.....                                 | 30        |
| Playback Recording.....                             | 30        |
| Delete User Song.....                               | 30        |
| <b>Song</b>                                         |           |
| Listen to the Songs.....                            | 31        |
| Song Control.....                                   | 31        |
| <b>Smart Learning System</b>                        |           |
| Smart Learning.....                                 | 32        |
| <b>Chord Dictionary</b>                             |           |
| DICT 1 (Chord Learning Mode).....                   | 36        |
| DICT 2 (Chord Testing Mode).....                    | 36        |
| <b>MIDI</b>                                         |           |
| What's MIDI?.....                                   | 37        |
| Upload/Download Data from the Computer.....         | 37        |
| <b>Troubleshooting.....</b>                         | <b>38</b> |
| <b>Specifications.....</b>                          | <b>39</b> |
| <b>Appendices</b>                                   |           |
| Voice List.....                                     | 40        |
| Style List.....                                     | 46        |
| Song List.....                                      | 49        |
| Demo List.....                                      | 51        |
| Album List.....                                     | 52        |
| MIDI Implementation Chart.....                      | 55        |

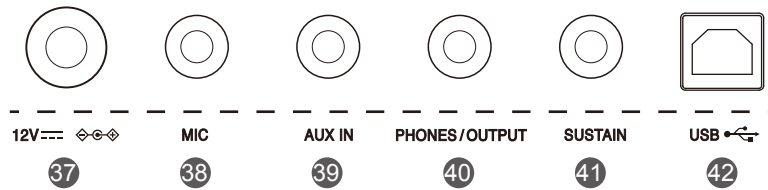
# Panel & Display Description

## Front Panel



1. **[VOLUME] Knob**  
Adjust the master volume.
2. **[LCD]**  
Display all parameters and values related to the current operation.
3. **POWER SWITCH**  
Turn the Power on or off.
4. **[SHIFT] button**  
Holding down it to access secondary functions of other buttons.
6. **[DEMO] button**  
Switch to Demo Mode.
7. **[SONG] button**  
Switch to Song Mode.
8. **[STYLE] button**  
Switch to Style Mode.
9. **[VOICE] button**  
Switch to Voice Mode.
10. **[PIANO] button**  
Turn the Piano Mode on or off.
11. **[SMART LEARNING] button**  
Turn the Smart Learning function on or off.
17. **[FADE] button**  
Turn the Fade In/Out function on or off.
18. **[CHORD] button**  
Enter the Chord Mode.
28. **DATA DIAL**  
Adjust the parameter value.
29. **[-]/[+] and NUMERIC buttons**  
Set parameters value or select the number.
36. **PITCH BEND**  
Roll the wheel upward or downward to raise or lower the pitch.
- In Song Mode
  12. **[▶/■] button**  
Start or Stop playing the song.
  13. **[||] button**  
Pause or continue playing the song.
  14. **[↺] button**  
Set the beginning and the end for a loop section of a selected song.
  15. **[◀] button**  
Rewind the song.
  16. **[▶] button**  
Fast forward the song.
- When the [SHIFT] button is released
  5. **[TEMPO -]/[TEMPO +] button**  
Adjust the current tempo value.
19. **[BANK] button**  
Switch between memory banks.
20. **[STORE] button**  
Register the current panel settings.
- 21~26. **[M1]~[M6] buttons**  
Recall the registered panel settings.  
In O.T.S. mode, only M1~M4 are available.
27. **[O.T.S.] button**  
Turn the One Touch Setting function on or off.
30. **[METRONOME] button**  
Turn the metronome on or off.
31. **[MIXER] button**  
Enter the Mixer menu.
32. **[DUAL] button**  
Turn the dual function on or off.
33. **[LOWER] button**  
Turn the lower function on or off.
34. **[HARMONY] button**  
Turn the Harmony effect on or off.
35. **[FUNCTION] button**  
Enter the function menu.
- In Style Mode
  12. **[START/STOP] button**  
Start or stop playing the style.
  13. **[SYNC START] button**  
Turn the Sync Start function on or off.
  14. **[INTRO/ENDING] button**  
Play the Intro or Ending pattern.
  15. **[FILL A] button**  
Play the fill-in pattern A.
  16. **[FILL B] button**  
Play the fill-in pattern B.
- When the [SHIFT] button is pressed
  5. **[ACCOMP -]/[ACCOMP +] button**  
Adjust the accompaniment volume value.
19. **[RECORD] button**  
Enter the Record Mode.
20. **[ACCOMP] button**  
Select the accompaniment track to record.
- 21~25. **[MELODY 1]~[MELODY 5] button**  
Select the melody 1~5 track to record.
26. **[TOUCH] button**  
Set an appropriate touch sensitivity level.
27. **[PERFORM.] button**  
Turn the Performance Assistant function on or off.
30. **[OCTAVE] button**  
Enter the Octave menu.
31. **[TRANPOSE] button**  
Enter the Transpose menu.
32. **[DICT.] button**  
Turn the chord dictionary function on or off.
33. **[ALBUM] button**  
Turn the Album function on or off.
34. **[DSP] button**  
Turn the DSP function on or off.
35. **[SUSTAIN] button**  
Turn the sustain function on or off.

## Rear Panel



### 37. DC 12V Jack

Connect the DC 12V power adapter.

### 38. MIC Jack

Connect a microphone.

### 39. AUX IN Jack

Connect an external audio source, such as MP3 or CD player.

### 40. PHONES/OUTPUT Jack

Connect a pair of headphones or an audio equipment.

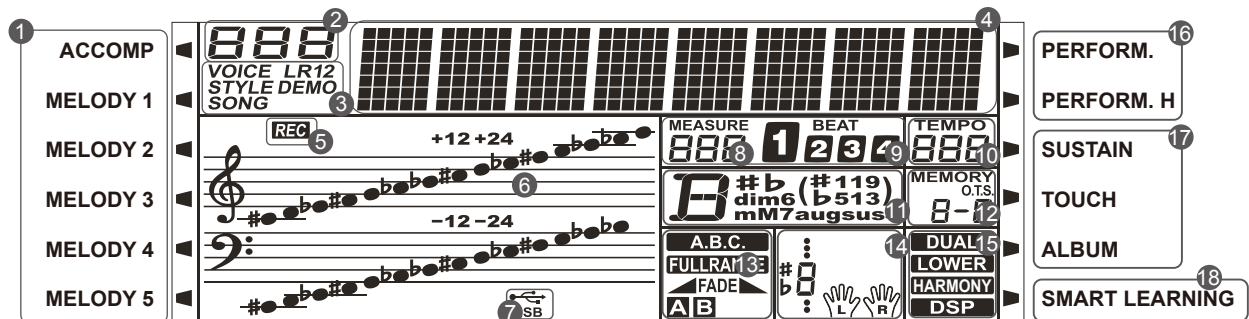
### 41. SUSTAIN Jack

Connect a sustain pedal.

### 42. USB Terminal

Connect to a PC.

## LCD



### 1. ACCOMP/MELODY 1-5

### 2. SERIES NUMBER

### 3. VOICE/STYLE/DEMO/SONG

### 4. CHARACTER

### 5. RECORD

### 6. TREBLE CLEF/BASS CLEF

### 7. USB CABLE

### 8. MEASURE

### 9. BEAT

### 10. TEMPO

### 11. CHORD

### 12. MEMORY NUMBER/ONE TOUCH SETTING

### 13. A.B.C/FULL RANGE/FADE/ACCOMPANIMENT SECTION

### 14. NOTE INDICATION/LESSON

### 15. DUAL/LOWER/HARMONY/DSP

### 16. PERFORMANCE ASSISTANT/PERFORMANCE ASSISTANT HIGH

### 17. SUSTAIN/TOUCH/ALBUM

### 18. SMART LEARNING

# Setup

This section contains information about setting up your instrument and preparing to play. Please go through this section carefully before turning the power on.

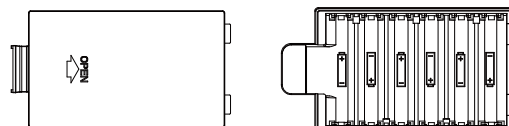
## Power Supply

You can power the instrument either by batteries or by power adaptor. Follow the instructions described below.

### Using Batteries

The instrument needs 6 pieces of AA (NO.5) or equivalent alkaline batteries for power supply.

1. Open the battery compartment cover located on the bottom of the instrument.
2. Insert the batteries; carefully follow the polarity markings on the cabinet.
3. Replace the compartment cover, making sure that it locks firmly in place.



### Note:

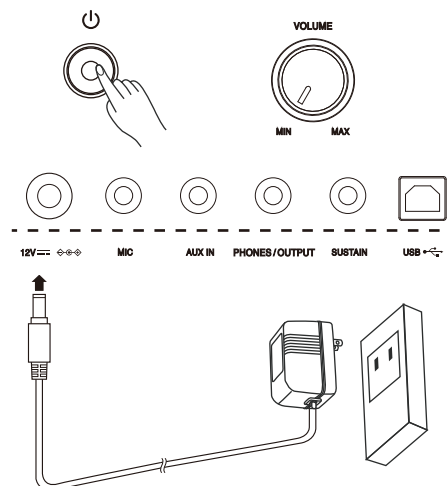
1. Do not mix used and new batteries.
2. Always use same types of batteries.
3. Always remove the batteries from the instrument when it is not being used for an extended period of time.

### Using Power Adapter

1. Set the POWER switch to OFF, and then turn down the volume before connecting to power supply.
2. Connect the adaptor to the DC jack of the instrument.
3. Plug the adaptor into an AC outlet. This will automatically cut off the battery power supply.

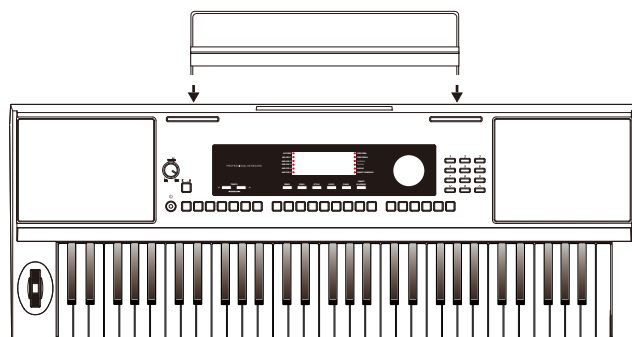
### Note:

1. In standby mode, the instrument will automatically shutdown in 30 minutes if it is not used. (Please refer to "Auto Power Off" for details).
2. For your safety, please unplug the instrument when it is not in use or during a thunderstorm.



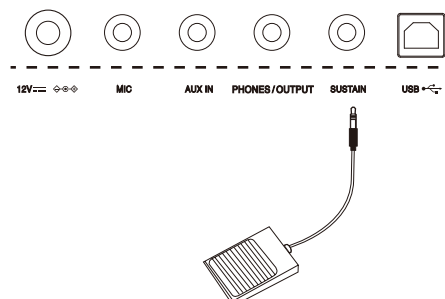
## Setting a Music Stand

A music stand is supplied with the keyboard. You can easily attach it to the instrument by inserting it into the slots at the front of the panel.



## Using Sustain Pedal

Plug an optional pedal into this jack and use it to switch sustain on and off. When you step on the pedal, all notes you play on the instrument will have a longer sustain.

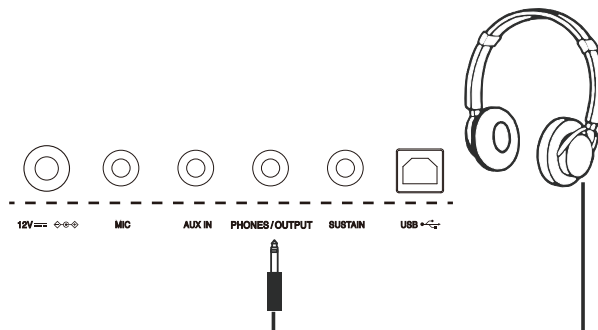


## Connecting a pair of Headphones

1. A standard pair of stereo headphones can be connected to the PHONES/OUTPUT jack for private practice or late-night playing.
2. The internal stereo speaker system is automatically shut off when a pair of head phones is plugged into this jack.

### Note:

To avoid the risk of hearing loss, do not listen with headphones at high volume level for a long period of time.



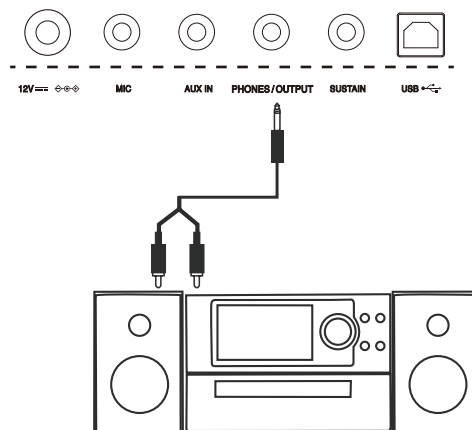
## Connecting an Audio Equipment

The rear-panel PHONES/OUTPUT jack delivers the output of the instrument to an external audio equipment such as a keyboard amplifier, a stereo sound system, a mixing console, or a tape recorder.

Use an audio cable to connect the PHONES/OUTPUT jack of the instrument to the AUX IN jack of the external audio equipment.

### Note:

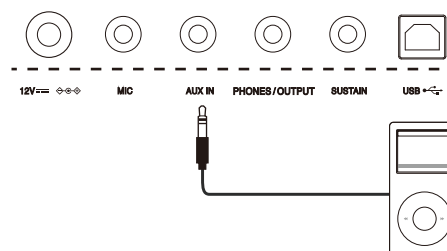
To avoid damaging the speakers, please set the volume level to minimum before connecting the power and other devices.



## Connecting an MP3/CD Player

The rear-panel AUX IN jack receives audio signals from an external audio source such as an MP3 or a CD player.

Use an audio cable to connect the AUX IN jack of the instrument to the AUX OUT jack of the MP3/CD player. The input signal is mixed with the instrument signal, allowing you to play along.

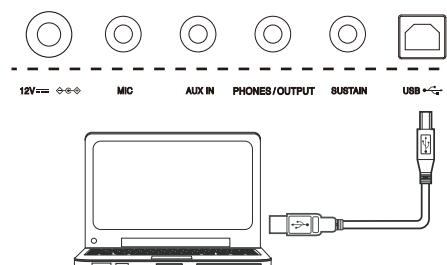


## Connecting a Computer

Use a standard USB cable to connect the USB jack of the instrument to the USB port of a computer. You can save the piano performance to the computer or use the speaker system to play back MIDI songs on the computer.

### Note:

1. Do not set the USB device to be input and output simultaneously when setting the software on computer. Otherwise, the sound will be overlapped when playing the keyboard.
2. We recommend you to use a USB2.0 interface when connecting the instrument to a computer.



## Connecting a Microphone

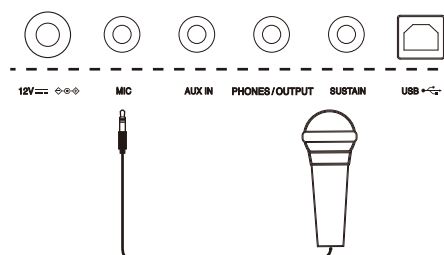
By connecting a microphone, you can enjoy singing along with your keyboard performance or with Song playback (KARAOKE).

1. Before turning the power on, set the master volume to minimum.
2. Connect a microphone to the MIC jack.

3. Turn the power on. Adjust the master volume while singing into the microphone.

### Note:

1. You can set the vocal effects in the Function Menu.
2. The [VOLUME] knob cannot adjust the volume level of the microphone and the AUX IN, you need to adjust it on the external equipment.



# Power Switch and Master Volume

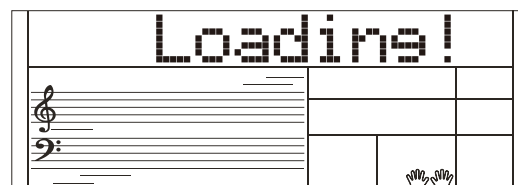
## Power Switch

Before you switch your instrument on, please turn down the volume of instrument and the connected audio equipment first.

1. Make sure the instrument is properly connected to power supply.
2. Press POWER SWITCH, the LCD screen is lit, and displays "Loading!", it indicates the instrument is powered on.

### Note:

If the LCD display does not light up after you turned on the keyboard, please check the power supply.

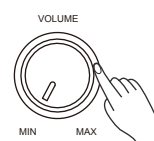


## Master Volume

Rotate the [VOLUME] knob clockwise, the master volume will increase and vice verse. It can be adjusted as required.

### Note:

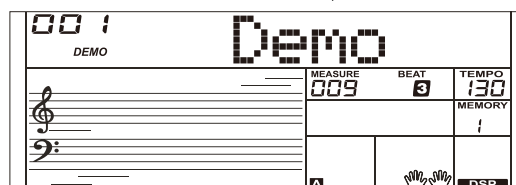
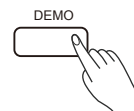
If the keyboard keeps silent, check if the volume is set to minimum or if headphones are plugged into the PHONES/OUTPUT jack.



# Playing Demo Songs

This instrument features several wonderful demos. (Please refer to Demo List.)

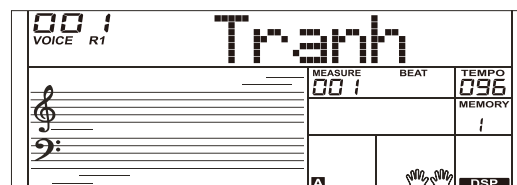
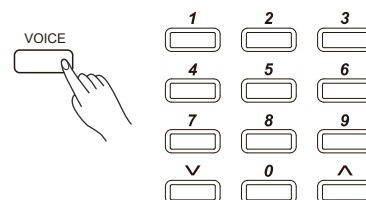
1. Press the [DEMO] button, the LCD will display the current demo number and name, meanwhile, all the demo songs will loop playing.
2. Use the data dial or the [+ / Yes] / [- / No] button to select a demo song.
3. Press the [START/STOP] button to stop playing and exit the demo mode.  
Or you can press the [DEMO] button to quit demo playing.



# Playing Voices

The keyboard has a variety of remarkably realistic built-in voices. Please refer to Voice List.

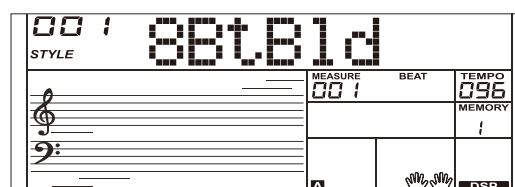
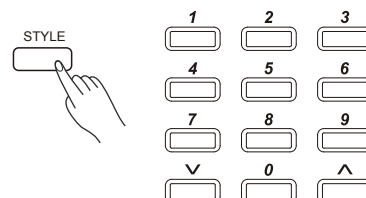
1. Press the [VOICE] button.  
Enter the Voice Mode. The LCD displays the current default voice name and number.
2. Select a Voice.  
Use the data dial or the [+ / Yes] / [- / No] button to select the voice you want to play. You can also use the numeric buttons to select a voice.
3. Play the Voice.  
Play the keyboard and enjoy the beautiful voice.



# Playing Styles

The instrument features a variety of styles. Try selecting different styles (Please refer to the Style List) and playing with the auto accompaniment.

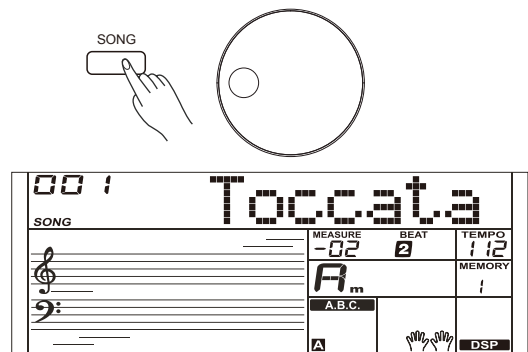
1. Press the [STYLE] button.  
Enter the Style Mode. The LCD displays the current default style name and number.
2. Select a Style.  
Use the data dial or the [+ / Yes] / [- / No] button to select the style you want to play. You can also use the numeric buttons to select a style.
3. Play the Style.  
Press the [START/STOP] button to start a rhythm playing.



# Playing Songs

This instrument has featured a variety of preset songs, and each song can be practiced in Smart Learning mode.

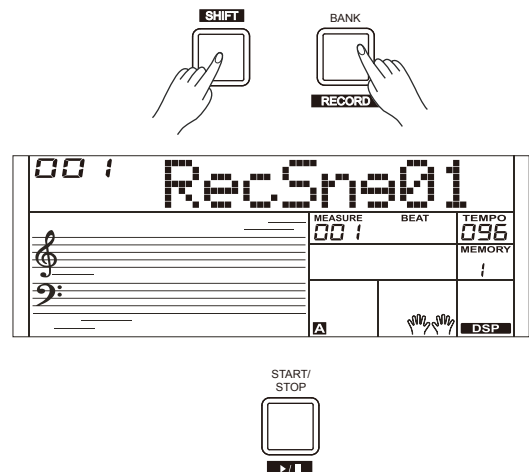
1. Press the [SONG] button.  
Enter the song mode. It will play all songs circularly.
2. Select a song.  
Use the data dial or the [+YES]/[-NO] button to select the song you want to play.
3. Press the [START/STOP] button.  
It will stop the song playback. Press it again, it will play current song repeatedly.
4. When song playback is stopped, press the [STYLE] or [VOICE] button, to exit the song mode.



## Record

You can record your performance and save it to a user song.

1. Holding down [SHIFT] button, and then press the [RECORD] button to enter the user song menu. You can use the data dial or the [+YES]/[-NO] button to select a user song to which your recording will be saved.
2. Holding down [SHIFT] button, and then press the [RECORD] button. Enter the record standby mode, and you can select voice, style or other parameters to prepare for recording.
3. Press the [START/STOP] button or play the keyboard to start recording.
4. When recording is in process, holding down [SHIFT] button and then press the [RECORD] button, it will stop recording and enter the Song mode, and the current recorded song will play automatically in circle.



### Note:

To play back a user song in song mode, press the [SONG] button then use the data dial, [+YES] or [-NO] button to select a user songs. If there is no data in the selected user song, it will display "NoFile!" and stop playing.

# Playing Voices

The instrument features a variety of exceptionally realistic voices.  
Please refer to the Voice List.

## Playing a Voice

1. Press the [VOICE] button. Enter the VOICE mode. LCD shows "VOICE R1" and the current voice name and voice number.
2. Select a voice.  
Use the data dial, the [+ / YES] / [- / NO] button to select the voice you want to play. You can also use the numeric buttons to select a voice.
3. Play the voice.  
Play the keyboard and enjoy the beautiful voice.

### Note:

When the DUAL and LOWER function is on, you can press [VOICE] button repeatedly to choose the voice source. The corresponding LCD indicator will highlight between R1, R2, and L.

## Playing Two Voices Simultaneously-DUAL

The dual function allows two different voices to be layered together, creating a much richer sound. Turn the function on, you can select a second voice for the dual voice "VOICE R2".

1. In idle mode, press the [DUAL] button to turn dual function on. The LCD displays the current voice name and number, and the indicator "VOICE R 2" and "DUAL".
2. You can use the data dial or [+ / YES] / [- / NO] button to select the dual voice you want to play. You can also use the numeric buttons to select a voice.
3. Play the keyboard, and then you will hear two different voices layered together, just like two different instruments playing at the same time.
4. Press the [DUAL] button again to turn the dual function off.

### Note:

When the keyboard is split, only the right hand area will have the dual voice.

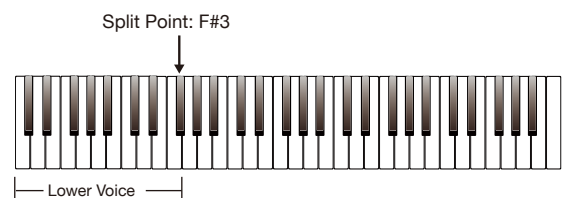
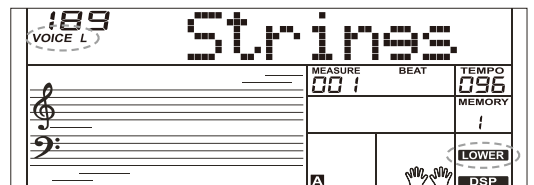
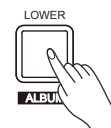
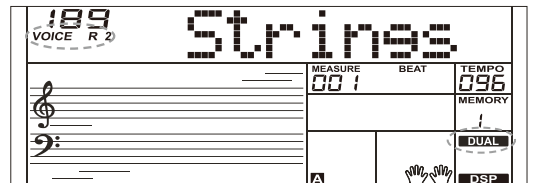
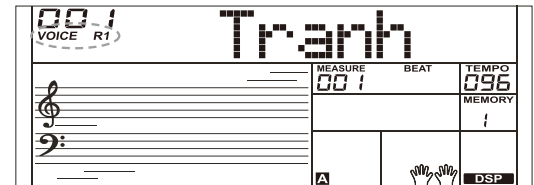
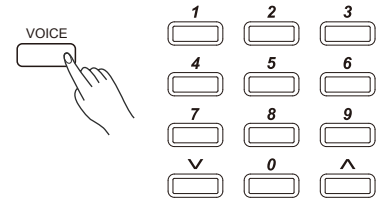
## Playing Different Voices with Both Hands-LOWER

The lower function splits the keyboard into right and left areas, each with a different voice. The left section voice is lower voice. You can set the split point to any key as you like.

1. In idle mode, press the [LOWER] button to turn the lower function on. The LCD displays the left hand voice name and number, and the indicator "VOICE L" and "LOWER".
2. You can use the data dial or the [+ / YES] / [- / NO] button to select the lower voice you want to play. You can also use the numeric buttons to select a voice.
3. Play the keyboard with both hands, and you will hear two different voices.
4. Press the [LOWER] button again to turn lower function off.

### Split Point

The Point on the keyboard that separates voice L and voice R1/R2 is called the "split point". The default split point is at F#3 (19), however you can assign it to any other key. Refer to the Function Menu.

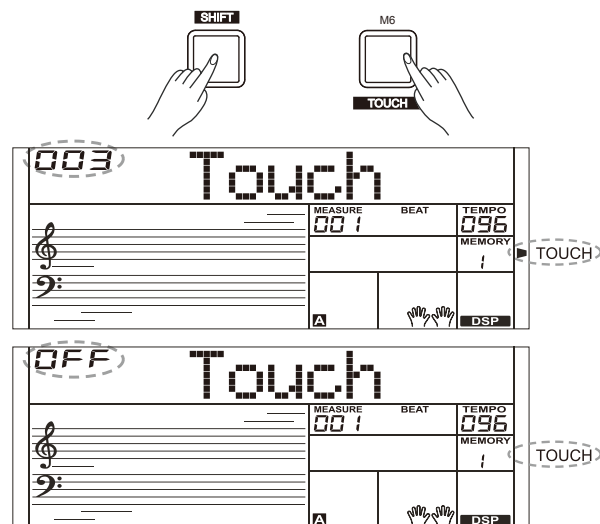


# Playing Voices

## Touch

The touch response feature allows you to dynamically and expressively control the level of the voice with your playing strength just as on an acoustic instrument. The piano has 5 touch types to choose.

1. Holding down [SHIFT] button and then press [TOUCH] button to enter the touch menu. LCD displays the current touch level. The default number is 3.
2. Select a touch level.  
When the LCD displays touch setting, using [+ / YES] / [- / NO] or data dial or holding down [SHIFT] button, and then pressing [TOUCH] button can change touch level. Pressing [+ / YES] and [- / NO] buttons simultaneously will set touch value to default setting: 3(normal).
3. Turn the touch function off.  
If the value is set to OFF, there will be no touch response to keyboard.

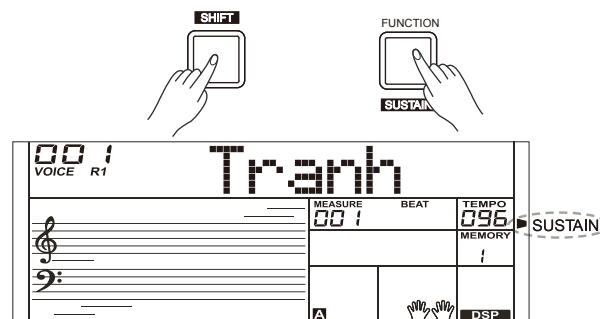


## Sustain

1. Holding down [SHIFT] button and then press the [SUSTAIN] button to start sustain function.  
All notes will sustain even after releasing the keys.
2. To stop the sustain function, holding down [SHIFT] button and then press the [SUSTAIN] button again.

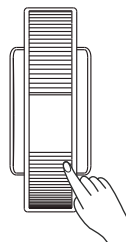
### Note:

To have a better sustain effect, we recommend you using a sustain pedal. (Refer to pedal function for more details.)



## Pitch Bend

With the pitch bend wheel, you can easily imitate the guitar, violin, saxophone or the pitch bend effect of other instruments, and make your performance more vivid. Simply roll the pitch bend wheel to bend notes up or down while playing the keyboard.



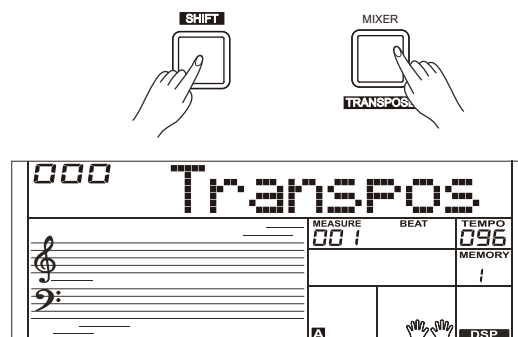
## Transpose

Transpose function allows the overall pitch of the instrument to be transposed up or down by one octave in semitone steps.

1. Holding down [SHIFT] button, and then press [TRANSPOSE] button to enter transpose menu. LCD displays the current transpose: xxx Transpos.
2. Use [+ / YES] / [- / NO] or data dial to adjust the transpose value over the range:  $\pm 12$  semitones.
3. Press [+ / YES] and [- / NO] simultaneously to set the transpose value to its default setting: 000 Transpos.

### Note:

1. For example, set the transpose to -05 or 007, and then you can play the G scale using C scale keys.
2. Transpose setting applies to the accompaniment and keyboard voice.



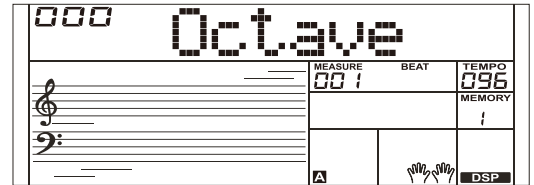
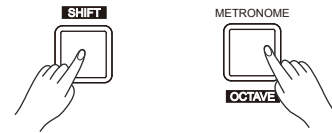
## Octave

The octave function will raise or lower the pitch of the keyboard voice by an octave.

1. Holding down [SHIFT] button and then press the [OCTAVE] button to select octave function menu. The LCD displays "xxx Octave".
2. Use [+ / YES] / [- / NO] button or data dial to change octave value, adjustable range is: -2 ~ +2.
3. Press the [+ / YES] and [- / NO] buttons simultaneously to restore default setting: 000.

### Note:

1. After adjusting the octave, notes in the highest and lowest keyboard range may not sound normally.
2. You can set the octave value respectively for voice R1/R2/L.



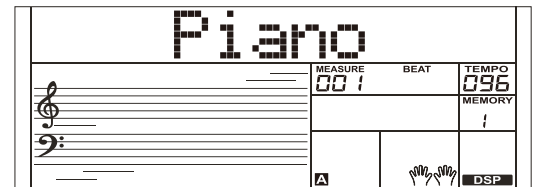
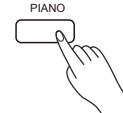
## Piano Mode

This function is to set the voice of the whole keyboard to piano instantly.

1. Press [PIANO] button to enter or exit piano mode.
2. In piano mode, the accompaniment control is the same as in the other modes, however, the accompaniment only plays the rhythm part.

### Note:

In piano mode, the A.B.C. is automatically turned off.



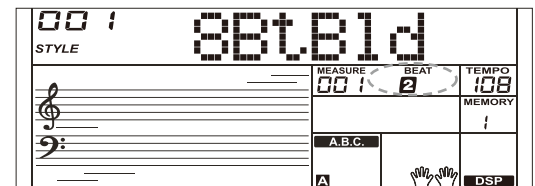
## Metronome

The metronome provides a steady beat to help you practise at a preset tempo.

1. Press [METRONOME] button to start the metronome.
2. To stop the metronome, press the [METRONOME] button again. (You can set its time signature in the function menu.)

### Note:

1. If you turn on the metronome during style playback, the metronome sound will start from the next beat and its time signature will match the current style.
2. In recording mode, you can turn on the metronome, but the metronome sound will not be recorded.

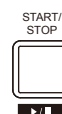
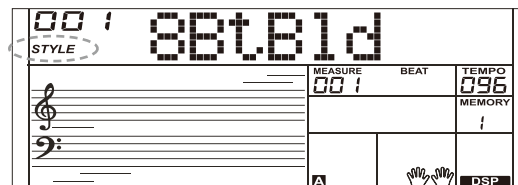
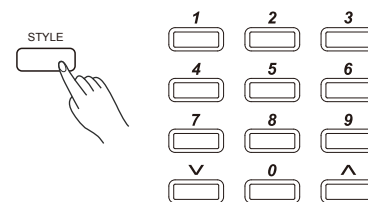


# Auto Accompaniment

The auto accompaniment feature puts a full backing band at your fingertips. To use it, all you have to do is to play the chords with your left hand in the selected accompaniment style, and then the accompaniment will automatically play along, instantly following the chords you play. With auto accompaniment, even a solo performer can enjoy playing with the backing of an entire band or orchestra. The instrument features a variety of styles, try selecting different styles (refer to Style List) and enjoy the auto accompaniment feature.

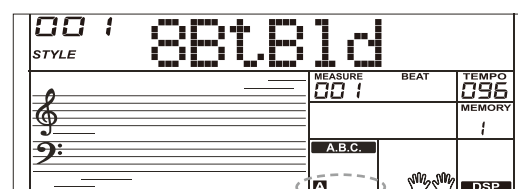
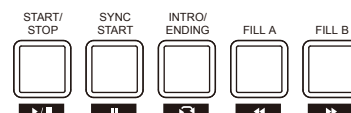
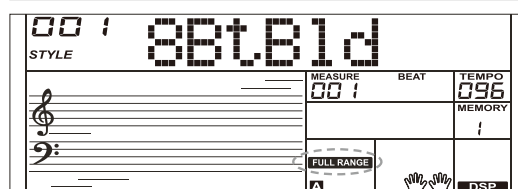
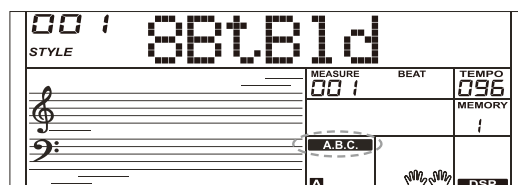
## Play Auto Accompaniment (Rhythm Track Only)

1. Press [STYLE] button.  
Enter the style mode. The "STYLE" icon on LCD will light up. The LCD displays the name and number of the current style.
2. Select a style.  
Use the data dial or the [+ / YES] / [- / NO] button to select a style you want to play. Or you can use the numeric buttons to select a style.
3. Start playing a style.  
Press the [START/STOP] button to start the rhythm tracks of the auto accompaniment. Also you can press [SYNC START] and then play any key to start the rhythm tracks of the auto accompaniment.
4. If you are ready to stop playing style, press the [START/STOP] again.



## Play Auto Accompaniment(All Tracks)

1. Turn the auto accompaniment on.  
In style mode, you can press the [CHORD] button to enter the "auto bass chord" (A.B.C.) mode. The keyboard is split into two sections. Left hand section is chord section. The "A.B.C." icon will light up. Now pressing any key in chord section (Sync Start status) you will hear the fantastic accompaniment.  
Press [CHORD] button again to enter "full range" mode. The "FULL RANGE" icon will light up. You can play chords over the entire keyboard in multi-fingering.
2. Start the auto accompaniment.  
You can press [SYNC START] button and then play a chord in chord section to start auto accompaniment of all tracks.  
When you change a chord, the accompaniment automatically changes.  
You can also press [START/STOP] button to start auto accompaniment of rhythm track, then play a chord in chord section. It will start auto accompaniment of all tracks.



### Note:

The instrument can save several user styles. To use your styles, you need to convert the styles with our application software and then save them to instrument.

## Accompaniment Sections

There are various types of Auto Accompaniment sections that allow you to vary the arrangement of the accompaniment to match the song you are playing. They are: Intro, Main (A, B), Fill (A, B), and Ending. By switching among them during your performance you can easily produce the dynamic elements of a professional sounding arrangement in your performance.

1. The intro is an opening section of the song.  
When the intro pattern finished, the system will automatically shift to the main section.
2. MAIN Section  
The main is an important section of the song. And it plays an accompaniment pattern and repeat infinitely until another section's button is pressed.
3. FILL IN Section  
Auto fill in function automatically adds a fill to your performance. When the fill-in is finished, accompaniment shifts to the Main section (A,B).
4. ENDING Section  
Ending is used for the ending of the song. When the ending is finished, accompaniment automatically stops. The length of the ending differs depending on the selected style.

### Note:

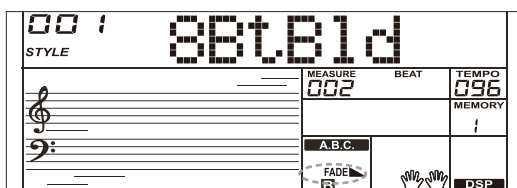
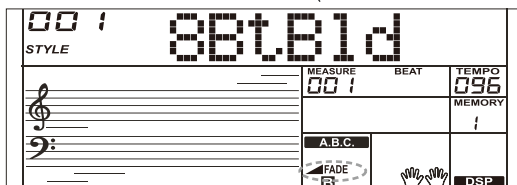
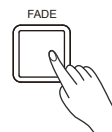
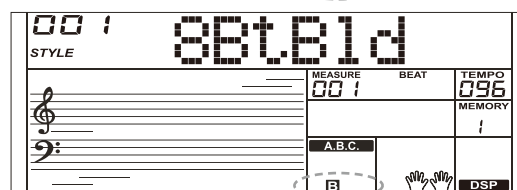
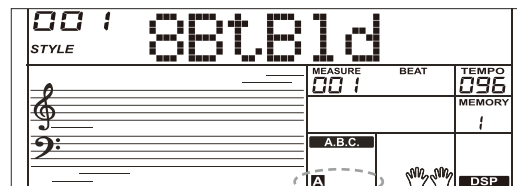
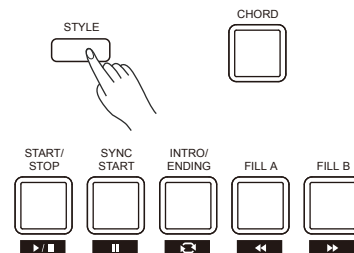
1. If you keep pressing the [FILL A]/[FILL B] button during style playback, the fill-in pattern will repeat playing until the button is released. Playback will then shift to the related MAIN section.
2. When style stops, press the [FILL A]/[FILL B] button to select a MAIN section. "A or B" will highlight on LCD.

## Playing Different Accompaniment Sections

1. Press the [STYLE] button. Then use the numeric buttons, data dial or [+YES]/[-NO] button to select a style.
2. Press [CHORD] button to enter A.B.C. (auto bass chord) mode.
3. Press [SYNC START] button.
4. Press the [FILL A] button, select the Main A section.
5. Press the [INTRO/ENDING] button. Now the "A" starts flashing on LCD, and the style is ready to play.
6. It will start the accompaniment as soon as you start playing in Chord section. When the playback of the intro is finished, it automatically leads into Main A section.
7. Press the [FILL B] button. A fill-in plays, automatically followed by the Main B section.
8. Press the [INTRO/ENDING] button again, and it will enter the Ending Section. When the ending is finished, the auto accompaniment automatically stops.

## Fade

1. Fade In  
Starting the style with fade in produces a smooth beginning, the volume increases from low to high. Press the [FADE] button when Style playback is stopped. The "FADE" icon will be lighting up, and then flashing with style playing.
2. Fade Out  
Stopping the style with fade out produces a smooth ending, the volume will decrease from high to low. Press the [FADE] button during Style playback. The "FADE" icon will be lighting up, and then flashing until style stops.
3. Fade In/ Out Time  
The default time is 10 seconds.

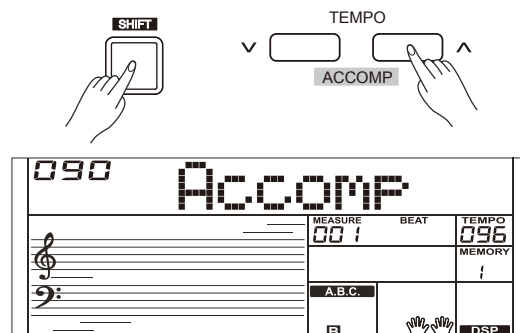


# Auto Accompaniment

## Accompaniment Volume

The function will adjust the accompaniment volume, so as to keep an appropriate balance between the accompaniment volume and the voice volume.

1. Holding down [SHIFT] button, and then use the [ACCOMP +]/[ACCOMP -] button to set accompaniment volume, adjustable range: 0~127, the LCD displays current accompaniment volume level.
2. Holding down [SHIFT] button and then press the [ACCOMP +]/[ACCOMP -] for a while to quickly adjust the volume value.
3. When LCD displays the volume level, Holding down [SHIFT], then press both the [ACCOMP +]/[ACCOMP -] button simultaneously to turn the accompaniment volume off. The LCD displays "OFF Accomp". Holding down [SHIFT] button and then press the [ACCOMP +]/[ACCOMP -] buttons again to turn the accompaniment volume on.



## Chord Fingering

How the chords are played or indicated with your left hand (in the auto accompaniment section of the keyboard) is referred to as "fingering". There are 2 types of fingerings as described below.

### Chord Basics

A chord, in music, is any harmonic set of three or more notes that is heard as if sounding simultaneously. The most frequently encountered chords are triads. A triad is a set of three notes that can be stacked in thirds. When stacked in thirds, the triad's members, from lowest pitched tone to highest, are called: the Root, the Third, and the Fifth.

### Triad Type

There are following basic triad types:

|                  |                                                                                                    |
|------------------|----------------------------------------------------------------------------------------------------|
| Major Triad      | A root with a major third added above and a perfect fifth will consist as a "Major Triad".         |
| Minor Triad      | A root with a minor third added above and a perfect fifth will consist as a "Minor Triad".         |
| Augmented Triad  | A root with a major third added above and an augmented fifth will consist as an "Augmented Triad". |
| Diminished Triad | A root with a minor third added above and a diminished fifth will consist as a "Diminished Triad". |

### Chord Inversion

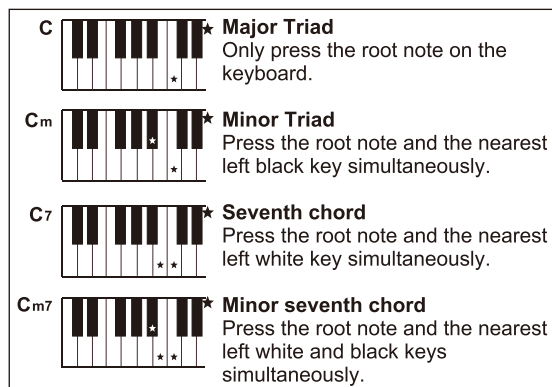
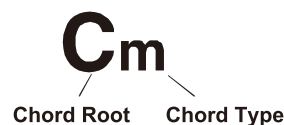
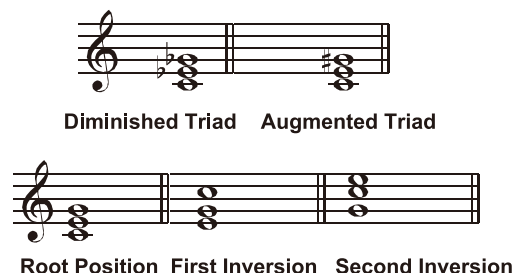
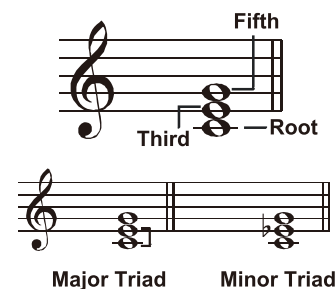
We define this chord its root is not in the bass (i.e., is not the lowest note) as an inversion chord. When the root is in the bass, we call the chord: root-position chord. If we put the Third and Fifth in the root position, then it forms "Inversion", we call this chord "Inversion Chord". See the following major triad and its inverted chord.

### Chord Name

The chord name contains two parts content: Chord root and Chord type.

### Single Finger

Single finger type not only can detect single finger but also can detect multi finger. And the single finger makes it easily to play chords through only one, two or three keys. Including major, minor, seventh, and minor seventh chord. Refer to relevant picture on the right for details.



## Multi-finger

Multi-finger allows you to play chords in normal fingering. Try playing the 32 chord types in C scale as listed on the right.

### Note:

In full range mode, the entire keyboard will only recognize chords played in normal fingering.

|                           |                           |                                                                                          |                            |                            |                            |
|---------------------------|---------------------------|------------------------------------------------------------------------------------------|----------------------------|----------------------------|----------------------------|
| 0<br>C                    | 1<br>C <sub>6</sub>       | 2<br>C <sub>M7</sub>                                                                     | 3<br>C <sub>M7</sub> (#11) | 4<br>C <sub>M</sub> (9)    | 5<br>C <sub>M7</sub> (9)   |
| 6<br>C <sub>6</sub> (9)   | 7<br>C <sub>aug</sub>     | 8<br>C <sub>m</sub>                                                                      | 9<br>C <sub>m6</sub>       | 10<br>C <sub>m7</sub>      | 11<br>C <sub>m7</sub> (b5) |
| 12<br>C <sub>m</sub> (9)  | 13<br>C <sub>m7</sub> (9) | 14<br>C <sub>m7</sub> (11)                                                               | 15<br>C <sub>mM7</sub>     | 16<br>C <sub>mM7</sub> (9) | 17<br>C <sub>dim</sub>     |
| 18<br>C <sub>dim7</sub>   | 19<br>C <sub>7</sub>      | 20<br>C <sub>7sus4</sub>                                                                 | 21<br>C <sub>7</sub> (b5)  | 22<br>C <sub>7</sub> (9)   | 23<br>C <sub>7</sub> (#11) |
| 24<br>C <sub>7</sub> (13) | 25<br>C <sub>7</sub> (b9) | 26<br>C <sub>7</sub> (b13)                                                               | 27<br>C <sub>7</sub> (#9)  | 28<br>C <sub>M7aug</sub>   | 29<br>C <sub>7aug</sub>    |
| 30<br>C <sub>sus4</sub>   | 31<br>C <sub>1+2+5</sub>  | Notes enclosed in parentheses are optional; the chords could be recognized without them. |                            |                            |                            |

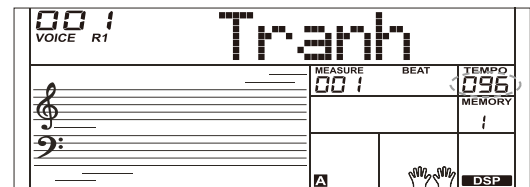
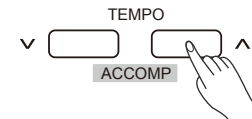
## Tempo

Each style of the instrument has been set with a default or standard tempo; however, this can be changed by using the [TEMPO +]/[TEMPO -] button.

1. Use the [TEMPO +]/[TEMPO -] button to change the tempo. While the tempo value is flashing, use the data dial to quickly change the tempo.
2. Press the [TEMPO+] and [TEMPO-] buttons simultaneously to restore the default tempo setting.

### Note:

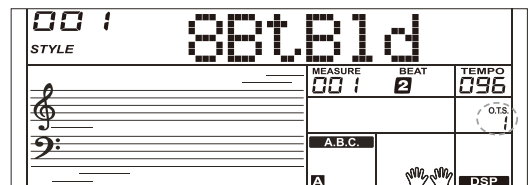
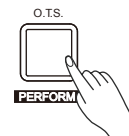
When style stops, changing the style will automatically reset the tempo. However, changing the style during style playback will not result in tempo change.



## One Touch Setting

Sometimes it is not easy to get an appropriate voice to play a song, but One Touch Setting Function can make it easy to get a perfect choice. When One Touch Setting is switched on, you can instantly recall all auto accompaniment related settings including voices selection and digital effects simply with a single touch of a button.

1. Press the [O.T.S.] button to turn on the One Touch Setting for current style. The LCD displays "O.T.S. ".
2. Press one of the One Touch Setting buttons [M1]-[M4]. Various panel settings (such as voice, effect, etc.) that match the selected style can be instantly recalled.



### One Touch Setting parameter list:

Part ON/OFF (VOICER1, R2, L)  
Voice Change (VOICER1, R2, L)  
Voice Volume (VOICER1, R2, L)  
Voice Reverb Level (VOICER1, R2, L)  
Voice Chorus Level (VOICER1, R2, L)

### Note:

1. The O.T.S. is automatically turned off when you enter the song mode.
2. In O.T.S. mode, the memory is not selectable.

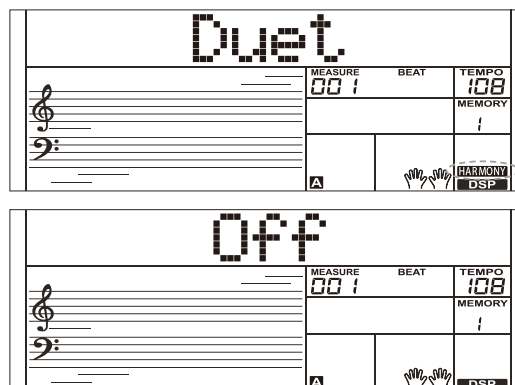
# Harmony

The harmony function will automatically add harmony notes to the notes played in the right-hand section, which gives you a rich and harmonic expression.

## Harmony Switch

1. Press [HARMONY] button. The LCD displays “OFF”, which indicates the harmony effects is turned off..
2. When the LCD displays “OFF”, repeat the previous operation. The LCD displays “Duet”, which indicates the harmony effect is on, and the type is Duet.
3. To choose a different harmony type, please refer to the harmony setting in function menu.

HARMONY



## Play with Harmony Effect

Turn on the A.B.C. function, then play a chord in the left hand area. As soon as you play in the right hand area, it will add harmony effect to the notes.

### Note:

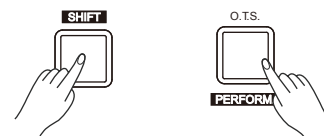
The harmony types of 1+5, Octave 1~2, Echo 1~4, Tremolo 1~4 and Trill 1~4 will always be available, but the rest are not selectable until the A.B.C is turned on.

# Performance Assistant

There are 2 voices you can select to perform in performance assistant mode: Guitar and Piano.

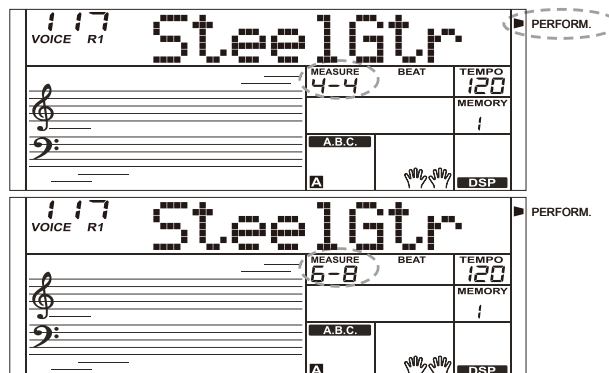
## What's the Performance Assistant?

Performance assistant is an easy-to-use function. With this function you will find playing to be more interesting. Even if you are not a keyboard player, the performance assistant will help you to play your familiar instrument voice on the keyboard with ease. Performance assistant provides many wonderful phrases. Just use several keys and you will perform your own wonderful music.



## Enter the Performance Assistant

1. Holding down [SHIFT] button, and then press [PERFORM] button to enter the performance assistant mode. The default setting is Guitar Mode and the LCD will display Guitar's voice name.
2. You can use the Data Dial, [+ / YES] or [- / NO] button to shift between the guitar voice and the piano voice.
3. The default time signature is the 4/4 and you can change it in function menu. Please refer to Performance Beat setting in function menu.
4. Performance assistant supports the following time signature: 2/4, 3/4, 4/4, and 6/8 beat.
5. Use the [TEMPO+] or [TEMPO-] to change the tempo.



## Guitar Mode

### Guitar key map

The Guitar Mode makes you perform a guitar voice with keyboard just like you're playing a real guitar. In this mode you can use some perform skills like strum (5), broken chord (5), echoism (5) and also 2 endings.

### Chord part

C2 to B3 is the chord part area. Play a chord in this area.

### Sub Area 1

C4 to B4 (only white keys) is the sub area 1. Up to 5 types of broken chord are provided in this area.

### Sub Area 2

The 6 keys: C5 to A5 (only white keys) simulate the 6 strings of a real guitar. Play a free solo in this area.

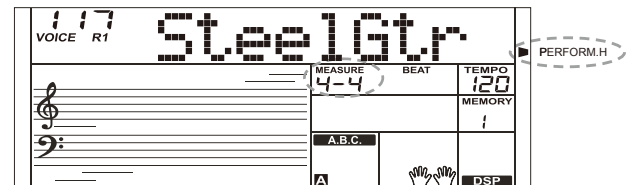
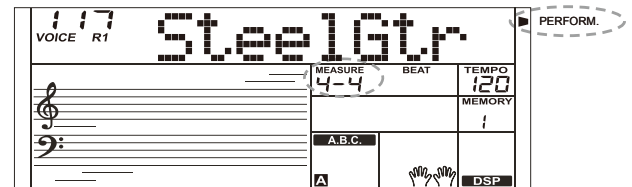
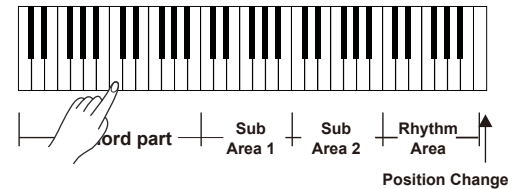
### Rhythm Area

C6 to G6 (only white keys) is the rhythm area. Wonderful styles and strums are provided in this area. Use A6 to B6 to play an ending.

### Position Change

Press C7, the guitar voice will be shifted to a high position. Repeatedly press the C7 key to change the guitar voice between a high and a low position.

Guitar key map



## Playing in Guitar Mode

### Play a chord in the chord part.

A chord type will be displayed on the LCD and the guitar root note will sound.

### Play a broken chord in the sub area 1.

When the chord type is on display, press a white key in the sub area 1, a wonderful broken chord phrase will start. Press other white keys to play different phrases. Play a different chord with your left hand to enjoy the subtle change in the phrases.

### Play a free solo in the sub area 2.

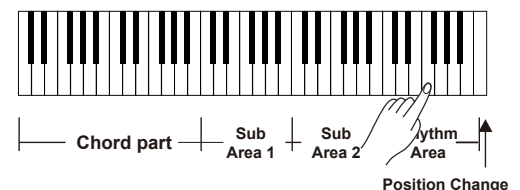
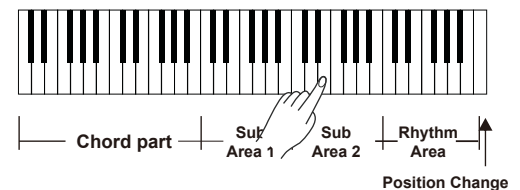
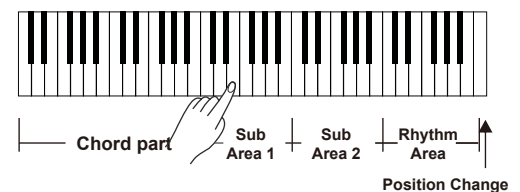
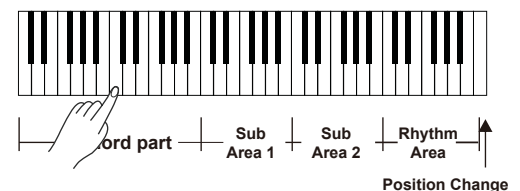
When the chord type is on display, press a white key in the sub area 2 you can play guitar free solo, like you're playing a real one. Play different chords with your left hand to bring more dynamics to your performance. The last white key B5 is invalid.

### Play a strum rhythm in the rhythm area.

When the chord type is on display, press a white key in the rhythm area you can play the magic strum rhythm. Change the chord with your left hand, and play your strums.

### End the guitar performing.

Press the A6 or B6 to end your guitar performs. When the ending is finished, the phrase stops automatically.



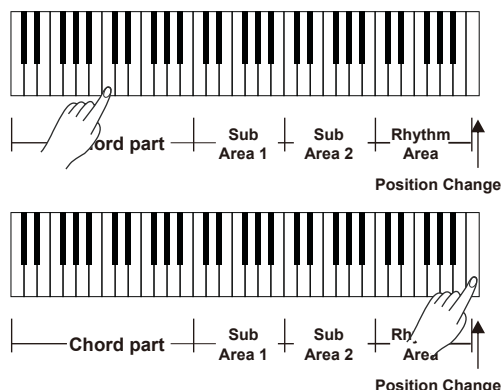
# Performance Assistant

## Play the echoism.

Play the black keys on Sub area 1, Sub area 2 and Rhythm area to play different echoism patterns. There are 5 kinds of echoism to arrange on the C#, D#, F#, G#, A# circularly.

## Change the position

Press the C7, the PERFORM.H icon will be lightened on the LCD. It means that the guitar position has been changed to the High position. Play the white keys in sub area 1, Sub area 2 and Rhythm area, and enjoy the vivid guitar performance.



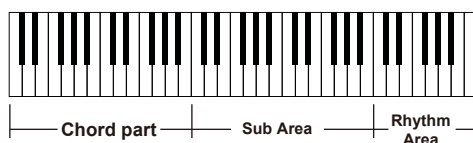
## Piano Mode

### Piano Key Map

The piano mode allows you to play the piano voice just like playing the acoustic one. In this mode you can use such piano phrases as piano rhythm (5), broken chord (5) and also 3 endings.

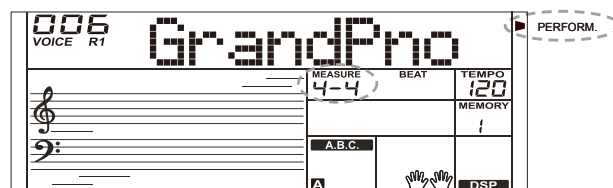
The piano key map is similar to the guitar key map. Press A6 to C7 (white keys) will start an ending. All the black keys above C4 are invalid.

Piano Key Map



## Playing in Piano Mode

1. Select Piano Mode.  
In performance assistant mode, use data dial, [+ / YES] or [- / NO] button to select Piano Mode.
2. Play a chord in chord part. Play different phrases in Sub area and Rhythm area.
3. Press the A6, B6 or C7 to end your piano performance. When the ending is finished, the phrase stops automatically.



## Exit the Performance Assistant

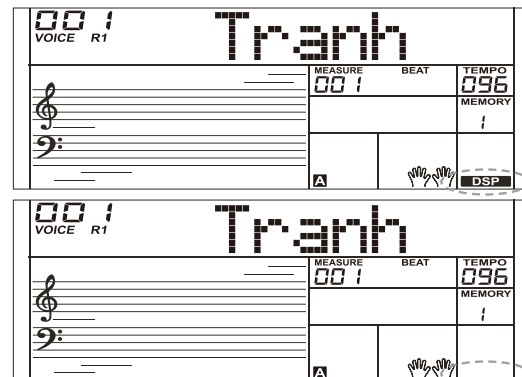
When the phrase stops, press the [VOICE], [STYLE], [SONG], [DEMO], [SHIFT] + [PERFORM] to exit the Performance Assistant mode.

The DSP simulates sounds in real environment. With the DSP effect, you can add ambiance and depth to your performance in a variety of ways. The DSP effect is set to ON and the icon on the LCD is lightened when keyboard is power on.

Holding down [SHIFT] button and then press the [DSP] button to turn the DSP effect on or off. Refer to Function Menu for the effect types and the adjustable levels.

### Note:

It may cause a break or a noise if you switch on/off the DSP when style and song is playing. This is normal and need not panic.



# Mixer

The Mixer allows you to adjust separately the volume of different tracks.

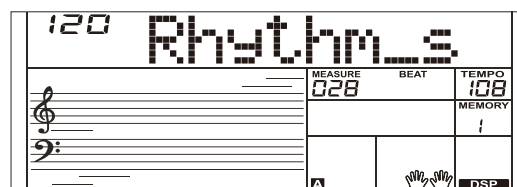
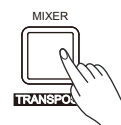
1. Press the [MIXER] button to enter the mixer function menu, the LCD displays the current mixer track.
2. Repeatedly press the [MIXER] button to select the track you want. Then use [+ / YES] / [- / NO] button or data dial to change parameters.

The option and parameters are as follows:

| Content                             | LCD Display  | Range   |
|-------------------------------------|--------------|---------|
| Adjust the Percussion track volume. | XXX Rhythm_s | 0 - 127 |
| Adjust the Rhythm track volume.     | XXX Rhythm_m | 0 - 127 |
| Adjust the Bass track volume.       | XXX Bass     | 0 - 127 |
| Adjust the Chord 1 track volume.    | XXX Chord1   | 0 - 127 |
| Adjust the Chord 2 track volume.    | XXX Chord2   | 0 - 127 |
| Adjust the Chord 3 track volume.    | XXX Chord3   | 0 - 127 |
| Adjust the Phrase 1 track volume.   | XXX Phrase1  | 0 - 127 |
| Adjust the Phrase 2 track volume.   | XXX Phrase2  | 0 - 127 |
| Adjust the Upper 1 track volume.    | XXX Upper1   | 0 - 127 |
| Adjust the Upper 2 track volume.    | XXX Upper2   | 0 - 127 |
| Adjust the Lower track volume.      | XXX Lower    | 0 - 127 |

### Note:

It will exit the mixer menu if there is no operation in 5 seconds.



# Pedal Function

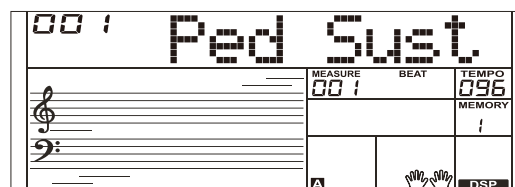
You can assign other pedal functions to the sustain pedal. Please refer to the Function Menu.

## 1. Sustain Pedal

This pedal function performs the same function as the damper pedal on an acoustic piano, letting you sustain the sound of voices even after releasing the keys.

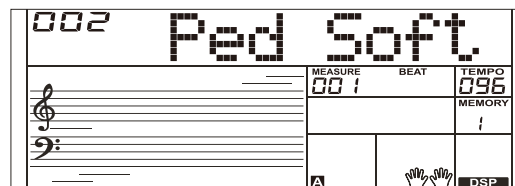
Step and press on the pedal to turn the sustain effect on.

Release the pedal to turn the sustain effect off.



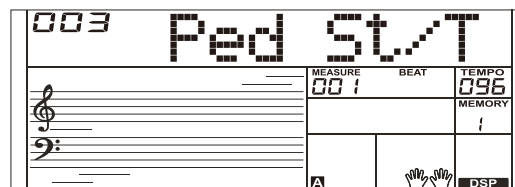
## 2. Soft Pedal

When the soft pedal is selected, press the pedal to make them (the notes you play) sound softer.



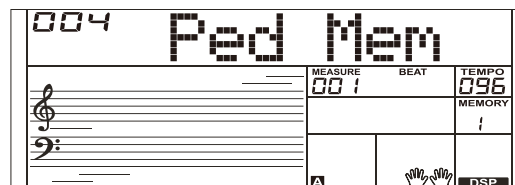
## 3. Style Start/Stop Pedal

When the style start/stop pedal is selected, press the pedal to start/stop accompaniment.



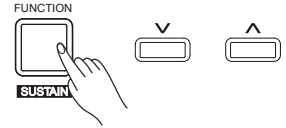
## 4. Memory Pedal

When the memory pedal is selected, pressing this pedal at the first time will call up register memory: M1, and then you can call up register memory M2, M3...by pressing this pedal step by step.



# Function Menu

Press the [FUNCTION] button to enter function menu. The LCD displays the current function menu option. Use [+ /YES]/ [-/NO] button or data dial to set parameter of the current menu.



The option and parameters are as follows:

| NO. | Content            | LCD display  | Range                                                                                                                                                                                                                                        | Default                      |
|-----|--------------------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| 1   | Tune               | xxx Tune     | -50 ~ +50                                                                                                                                                                                                                                    | 000                          |
| 2   | Key Split          | xxx KeySplit | 1~61                                                                                                                                                                                                                                         | 019                          |
| 3   | Beat Type          | xxx Beat     | 0, 2 ~ 9                                                                                                                                                                                                                                     | 004                          |
| 4   | Metronome Volume   | xxx MetroVol | 0~127                                                                                                                                                                                                                                        | 80                           |
| 5   | Pedal Type         | xxx Ped XXX  | Sustain, Soft, St/Stop, Memory                                                                                                                                                                                                               | Sustain                      |
| 6   | EQ Type            | xxx EQ XXX   | Pop, Rock, Class, Jazz, Dance, Reset                                                                                                                                                                                                         | Reset                        |
| 7   | Reverb Type        | xxx Rev XXX  | Room1, Room2, Room3, Hall1, Hall2, Hall3, Church1, Church2, Delay, PanDelay                                                                                                                                                                  | RevHall1                     |
| 8   | Reverb Level       | xxx Rev Lev  | 0 ~ 127                                                                                                                                                                                                                                      | 80                           |
| 9   | Chorus Type        | xxx Chr XXX  | Chorus1, Chorus2, GM Chorus1, GM Chorus2, Flanger1, Flanger2, Rotary1, Rotary2                                                                                                                                                               | GM Chr2                      |
| 10  | Chorus Level       | xxx Chr Lev  | 0 ~ 127                                                                                                                                                                                                                                      | 0                            |
| 11  | Harmony Types      | xxx Duet     | Duet, StandardTrio, Full Chord, Rock Duet, Country Duet, Country Trio, Block, 4 Close 1, 4 Close 2, 4 Open, 1+5, Octave1, Octave2, Strum, Echo1, Echo2, Echo3, Echo4, Tremolo1, Tremolo2, Tremolo3, Tremolo4, Trill1, Trill2, Trill3, Trill4 | Duet                         |
| 12  | MIDI Receive       | xxx Midi In  | 1 ~ 16, ALL                                                                                                                                                                                                                                  | ALL                          |
| 13  | MIDI Transmit      | xxx Midi Out | 1 ~ 16                                                                                                                                                                                                                                       | 001                          |
| 14  | Auto Power Off     | xxx PowerOff | OFF, 30, 60                                                                                                                                                                                                                                  | 030                          |
| 15  | Performance Beat   | xxx Perfm Bt | 4-4, 3-4, 2-4, 6-8                                                                                                                                                                                                                           | 4-4                          |
| 16  | Vocal Effect       | xxx V-VclOff | V-VclOff, V-Delay, V-Tremlo, V-PShift, V-LoFi V-OvrDri, V-Reverb, V-CmPres                                                                                                                                                                   | V-VclOff                     |
| 17  | Vocal Effect Level | vOff-Lev     | vOff-Lev: 0, vDel-Lev: 0~31, vTre-Lev: 0~7<br>vPit-Lev: -24~18, vLfi-Lev: 0~31, vOve-Lev: 0~7<br>vRev-Lev: 0~31, vCom-Lev: 0~1                                                                                                               | 0, 0, 0,<br>0, 0, 0,<br>0, 0 |

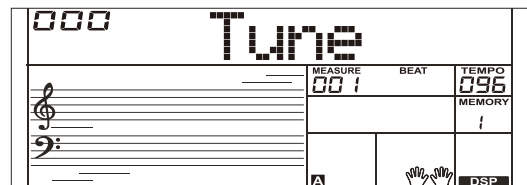
## Note:

It will exit the function menu if there is no operation in 5 seconds.

## Tune

This function sets the pitch of entire keyboard by in a 2-cent increment.

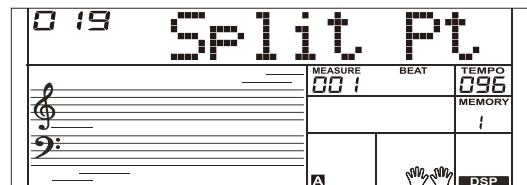
1. Repeatedly press the [FUNCTION] button to select the tune menu.  
The LCD displays "xxx Tune".  
Use [+ /YES]/ [-/NO] button or data dial to change tune value. Its range is from -50 to 50 cents.
2. Press [+ /YES] and [-/NO] buttons simultaneously will set the tune value to its default setting: 000.  
The setting applies to both accompaniment and the voice.



## Key Split

The Point on the keyboard that separates voice L and voice R1/R2 is called the "split point". Left hand section controls the auto bass chord accompaniment when the A.B.C. function is on, or it plays the lower voices when the A.B.C. function is off.

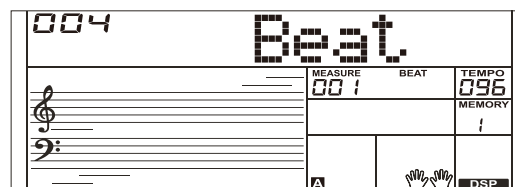
1. Repeatedly press the [FUNCTION] button to select split point menu.  
The LCD displays "xxx KeySplit". Use [+ /YES]/ [-/NO] button or data dial to change Split Point. The range of Split Point is: 1~61.
2. Press [+ /YES] and [-/NO] buttons simultaneously will set the split point value to its default setting: F#3 (19).



# Function Menu

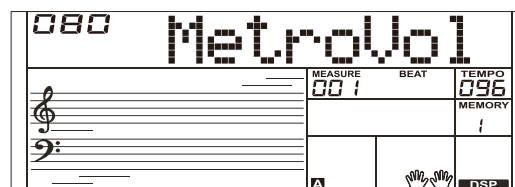
## Beat Type

1. Repeatedly press the [FUNCTION] button to select beat type menu. The LCD displays "xxx BeatType". Use [+YES]/ [-NO] button or data dial to change beat type. The range of beat type: 0, 2~9.
2. Press [+YES] and [-NO] buttons simultaneously will set the beat type value to its default setting: 004.



## Metronome Volume

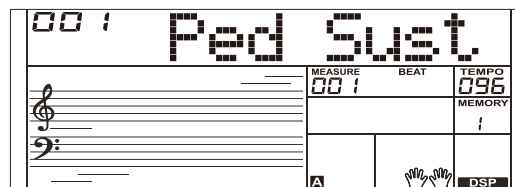
1. Repeatedly press the [FUNCTION] button to select metronome volume menu. The LCD displays "xxx MetroVol". Use [+YES]/[-NO] button or data dial to adjust metronome volume value. The range of metronome value is: 0 ~ 127.
2. Press [+YES] and [-NO] buttons simultaneously will set the metronome volume value to its default setting: 080.



## Pedal Type

1. Repeatedly press the [FUNCTION] button to select pedal type menu. The LCD displays "00x Pedal Sust". Use [+YES]/ [-NO] button or data dial to change pedal type.
2. Press [+YES] and [-NO] buttons simultaneously will set the pedal type to its default setting: 001 PedalSustain. The pedal types are as follows:

| No. | LCD      | Pedal Function      |
|-----|----------|---------------------|
| 1   | Ped Sust | Sustain Pedal       |
| 2   | Ped Soft | Soft Pedal          |
| 3   | Ped St/T | Start/Stop Pedal    |
| 4   | Ped Mem  | Memory Switch Pedal |

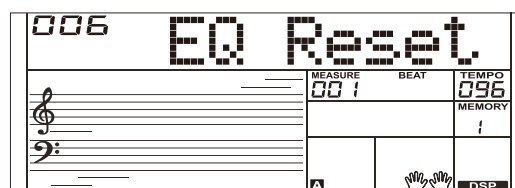


## EQ Type

The EQ controls the gain setting of different frequency band. Different gain setting will produce different sound effect. You can select one of the 6 preset EQ settings in the EQ display.

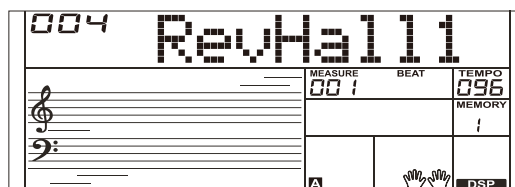
1. Repeatedly press the [FUNCTION] button to select the EQ type menu. The LCD displays "006 EQ Reset". Use [+YES]/ [-NO] button or data dial to change EQ type.
2. Press [+YES] and [-NO] buttons simultaneously will set the EQ type to its default setting: 006 EQ .

| No. | LCD      | EQ Type   |
|-----|----------|-----------|
| 1   | EQ Pop   | Pop       |
| 2   | EQ Rock  | Rock      |
| 3   | EQ Class | Classical |
| 4   | EQ Jazz  | Jazz      |
| 5   | EQ Dance | Dance     |
| 6   | EQ Reset | Reset     |



## Reverb Type

1. Repeatedly press the [FUNCTION] button to select reverb type menu. The LCD displays "004 RevHall1". Use [+YES]/ [-NO] button or data dial to change reverb type.
2. Press [+YES] and [-NO] buttons simultaneously will set the reverb type to its default setting: 004 RevHall1.

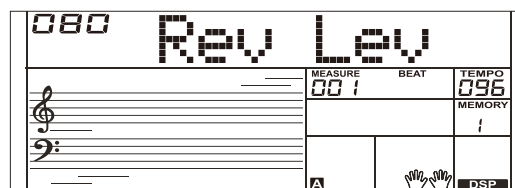


The reverb types are as follows:

| No. | LCD      | Reverb Type |
|-----|----------|-------------|
| 1   | RevRoom1 | Room 1      |
| 2   | RevRoom2 | Room 2      |
| 3   | RevRoom3 | Room 3      |
| 4   | RevHall1 | Hall 1      |
| 5   | RevHall2 | Hall 2      |
| 6   | RevHall3 | Hall 3      |
| 7   | Rev Chr1 | Church 1    |
| 8   | Rev Chr2 | Church 2    |
| 9   | Rev Del  | Delay       |
| 10  | Rev PanD | Pan Delay   |

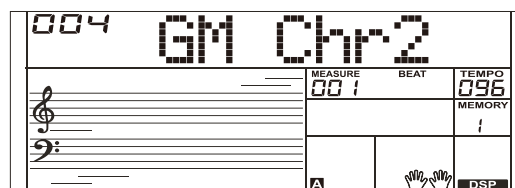
## Reverb Level

1. Repeatedly press the [FUNCTION] button to select reverb level. The LCD displays "xxx Rev Lev". Use the [+ /YES]/ [-/NO] button or data dial to change reverb level, adjustable range is: 0-127
2. Press the [+ /YES] and [-/NO] buttons simultaneously to restore its default setting: 080



## Chorus Type

1. Repeatedly press the [FUNCTION] button to select chorus type menu. The LCD displays "004 GM Chr2". Use [+ /YES]/ [-/NO] button or data dial to change chorus type.
2. Press the [+ /YES] and [-/NO] buttons simultaneously to restore its default setting: 004 GM Chr2.

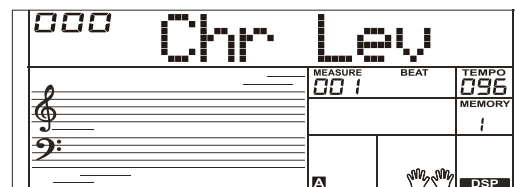


The chorus types are as follows:

| No. | LCD      | Chorus Type |
|-----|----------|-------------|
| 1   | Chorus1  | Chorus 1    |
| 2   | Chorus2  | Chorus 2    |
| 3   | GM Chr1  | GM Chorus 1 |
| 4   | GM Chr2  | GM Chorus 2 |
| 5   | Flanger1 | Flanger 1   |
| 6   | Flanger2 | Flanger 2   |
| 7   | Rotary1  | Rotary 1    |
| 8   | Rotary2  | Rotary 2    |

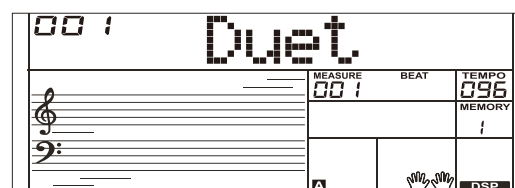
## Chorus Level

1. Repeatedly press the [FUNCTION] button to select chorus level menu. The LCD displays "xxx Chr Lev". Use the [+ /YES]/ [-/NO] button or data dial to change chorus level, adjustable range: 0-127.
2. Press the [+ /YES] and [-/NO] buttons simultaneously to restore its default setting: 000



## Harmony Type

1. Repeatedly press the [FUNCTION] button to select harmony type menu. The LCD displays "001 Duet". Use [+ /YES]/ [-/NO] button or data dial to change harmony type.
2. Press the [+ /YES] and [-/NO] buttons simultaneously to restore its default setting: 001 Duet.



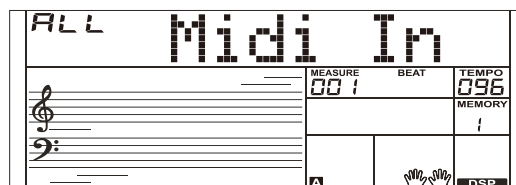
# Function Menu

The harmony types are as follows:

| No. | LCD      | Harmony Type |
|-----|----------|--------------|
| 1   | Duet     | Duet         |
| 2   | StdTrio  | StandardTrio |
| 3   | FulChord | Full Chord   |
| 4   | RockDuet | Rock Duet    |
| 5   | CtryDuet | Country Duet |
| 6   | CtryTrio | Country Trio |
| 7   | Block    | Block        |
| 8   | 4Close1  | 4 Close 1    |
| 9   | 4Close2  | 4 Close 2    |
| 10  | 4Open    | 4 Open       |
| 11  | 1+5      | 1+5          |
| 12  | Octave1  | Octave 1     |
| 13  | Octave2  | Octave 2     |
| 14  | Strum    | Arpeggio     |
| 15  | Echo1    | Echo1        |
| 16  | Echo2    | Echo2        |
| 17  | Echo3    | Echo3        |
| 18  | Echo4    | Echo4        |
| 19  | Tremolo1 | Tremolo1     |
| 20  | Tremolo2 | Tremolo2     |
| 21  | Tremolo3 | Tremolo3     |
| 22  | Tremolo4 | Tremolo4     |
| 23  | Trill1   | Trill1       |
| 24  | Trill2   | Trill2       |
| 25  | Trill3   | Trill3       |
| 26  | Trill4   | Trill4       |

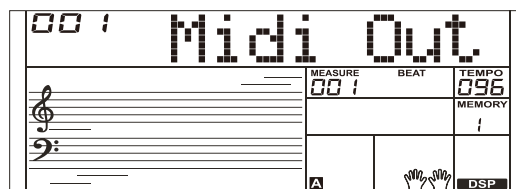
## MIDI IN

1. Repeatedly press the [FUNCTION] button to select MIDI in menu.  
The LCD displays “xxx Midi In”. Use [+ /YES]/ [- /NO] button or data dial to change MIDI in channel: 1~16, ALL.
2. Press [+ /YES] and [- /NO] buttons simultaneously to restore MIDI in channel to its default setting: ALL.



## MIDI OUT

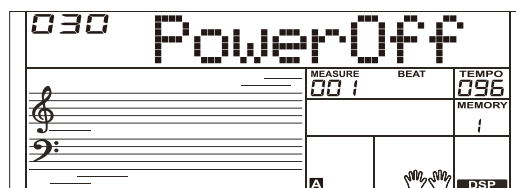
1. Repeatedly press the [FUNCTION] button to select MIDI out menu.  
The LCD displays “xxx Midi Out”. Use [+ /YES]/ [- /NO] button or data dial to change MIDI out channel: 1~16.
2. Press [+ /YES] and [- /NO] buttons simultaneously to restore MIDI out channel to its default setting: 001.



## Auto Power Off

This function sets the time period after which the instrument will shut down if it is not used.

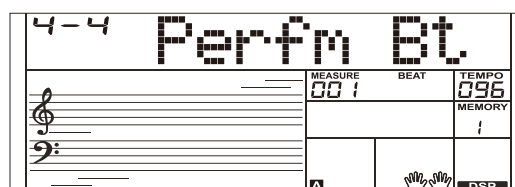
1. Repeatedly press the [FUNCTION] button to select auto power off menu. The LCD displays “xxx Power Off”. Use [+ /YES]/ [- /NO] button or data dial to change auto power off time: 30 minutes, 60 minutes or OFF.
2. Press [+ /YES] and [- /NO] buttons simultaneously will set the default setting is: 030 (30 minutes).



## Performance Beat

This function is used to set the performance assistant beat type.

1. Repeatedly press [FUNCTION] button to select Perform Beat menu. The LCD displays "xxx Perfm Bt". Use [+ /YES] / [- /NO] or data dial to change performance beat: 4-4, 3-4, 2-4, 6-8.
2. Press [+ /YES] and [- /NO] buttons simultaneously will set performance beat channel to its default setting: 4-4.



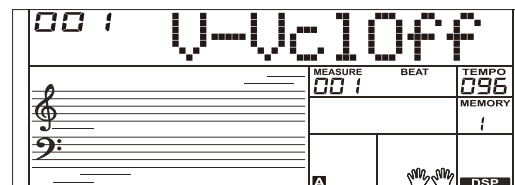
## Vocal Effects

The vocal effect feature will give you a professional vocal experience when singing with a microphone. The instrument has preset 7 vocal effects: Delay, Tremolo, Pitch Shift, Low Fidelity, Overdrive, Reverb and Compressor.

1. Turn the vocal effects on/off  
Repeatedly press the [FUNCTION] button to select the vocal effect menu. The LCD displays "001 V-Vc1Off", indicating all vocal effects are turned off.
2. Select a vocal effect  
In the vocal effect menu, press the [+ /YES] / [- /NO] button to select a vocal effect, such as "002 V-Delay", which indicates the selected vocal effect is Delay.

### Note:

The selected vocal effect is not activated yet, you need to adjust its level in the Vocal Effect Level menu.



## Vocal Effect Level

You can adjust the effect level for each vocal effect in the vocal effect level menu.

1. Repeatedly press the [FUNCTION] button to select the vocal effect level menu. The LCD displays the current effect level, such as "015 vDel-Lev", which indicates the current delay level is 15.
2. Press the [+ /YES] / [- /NO] button to adjust the effect level. "000" means the current effect is turned off.

Vocal effects and the default levels are as follows:

| No. | Vocal Effect | Effect Name | Default Level | Level Range |
|-----|--------------|-------------|---------------|-------------|
| 1   | Effect Off   | V-Vc1Off    | 000 vOff-Lev  | 0           |
| 2   | Delay        | V-Delay     | 000 vDel-Lev  | 0~31        |
| 3   | Tremolo      | V-Tremlo    | 000 vTre-Lev  | 0~7         |
| 4   | Pitch Shift  | V-PShift    | 000 vPit-Lev  | -24~18      |
| 5   | Low Fidelity | V-LoFi      | 000 vLfi-Lev  | 0~31        |
| 6   | Overdrive    | V-OvrDri    | 000 vOve-Lev  | 0~7         |
| 7   | Reverb       | V-Reverb    | 000 vRev-Lev  | 0~31        |
| 8   | Compressor   | V-CmPres    | 000 vCom-Lev  | 0~1         |

# Restore Factory Setting

Pressing and holding [+ /YES] and [- /NO] button together and then turn the power on, the instrument will be restored to factory setting. It will delete all the user data: user styles, user songs and registered memory. The LCD will display "Loading!". After the restore completed, the instrument will start normally.

# Register Memory

The Registration Memory feature can make your performance more easy and efficient. It allows you to save virtually all panel settings to a Registration Memory setting, and you can instantly recall custom panel settings by pressing a single button.

## Registering the Panel Setting

1. There are 8 memory banks, and each bank has 6 memories (M1-M6).
2. Holding down the [STORE] button, then press one of the registration memory buttons: [M1] - [M6]. Notice that the new settings will replace the previous memory data.

### Note:

Press [STORE] and [M1] button then power on, the registration memory will be reset to default.

## Recalling the Registered Panel Settings

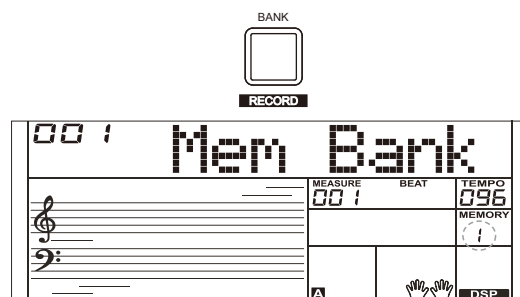
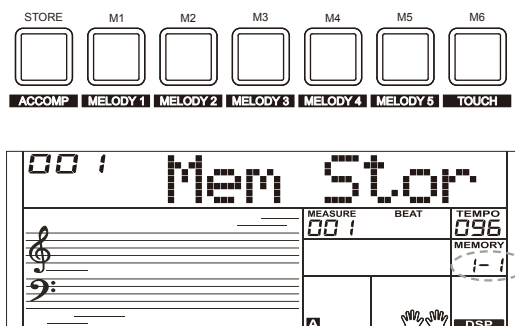
Press one of the registration memory buttons: [M1] - [M6]. For example, press [M2], the panel settings stored in the memory 2 of bank 1 are recalled.

### Note:

Registration data cannot be recalled when the One Touch Setting function is on.

## Selecting a Registration Bank

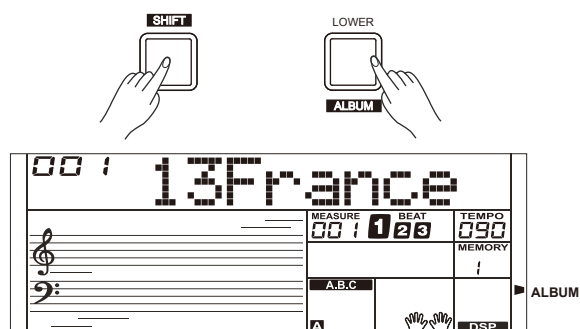
1. Press the [BANK] button. The LCD will display the bank number.
2. There are 8 banks in all and each bank has 6 memories (M1-M6). Repeatedly press the [BANK] button to select a bank.
3. You can save following parameters into M1-M6 registered memory:  
**Voice Parameter:** including voice, dual, lower, DSP, mixer.  
**Accompaniment Parameter:** including style, tempo, and accompaniment no/off.  
**Function Parameter:** including velocity, part parameters in function menu.



# Song Album

The album function allows you to practise a song with a preset style, tempo and voice. The instrument features a variety of song albums. Please refer to the Album List.

1. Holding down [SHIFT] button and then press the [ALBUM] button to turn the album function on or off.
2. When the album function is on, LCD displays the name of album song and the album indicator lights up. Now use the data dial, [+ / YES] or [- / NO] button to select an album song. The instrument will recall the accompaniment parameters to fit that song.
3. Press the [VOICE] or [STYLE] button to exit the album function.



With the easy-to-use song recording features, you can record your own keyboard performances as a user song. Each user songs can be recorded with 6 tracks (1 ACCOMP track, 5 MELODY tracks) each.

## Start Recording

Before you start recording, you need to select a user song to which the recording song will be saved.

1. Holding down [SHIFT] button and then press the [RECORD] button to enter user song selection mode. The LCD displays "RecSng01" and sequence number.

Use the data dial, [+ / YES] or [- / NO] button select the user song you want.

2. Holding down [SHIFT] button and then press the [RECORD] button again to enter recording standby mode. "REC" appears on LCD and the beats start flashing. The instrument will automatically select an empty track to record your performance.

The select track indicator will flash on the left of LCD.

3. In the recording standby mode, you can adjust parameters such as the voice, style and tempo. When recording a new song, it will automatically select "Melody 1" as the recorded track.

Holding down [SHIFT] button and then press "ACCOMP" (or "MELODY1" to "MELODY 5") to select a desired track.

The ACCOMP track and one of MELODY track can be recorded at the same time, but it cannot record two MELODY track simultaneously.

4. Press [START/STOP] button or play the keyboard to start recording.

If you have selected the ACCOMP track, and have turned on the A.B.C. function, recording will start as soon as you play a chord in the left hand area.

### Select a Track

Track indicators on LCD usually show one of three states: Blinking, Light on, Light off.

**Blinking:** It means the track is chosen for recording. If the track has recorded data, the original data will be replaced.

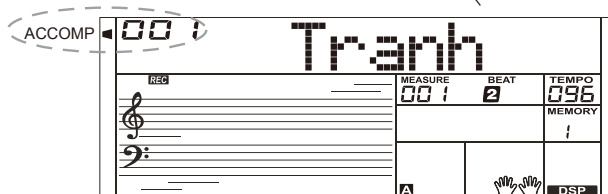
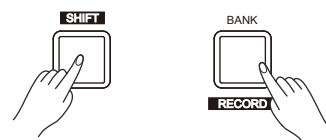
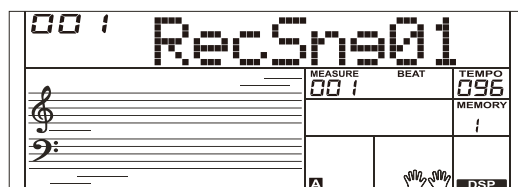
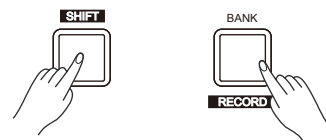
**Light on:** the track has data and will play back the data during recording.

**Light off:** the track either has no data or is under recording and cannot play back.

In recording standby mode, you can press the track buttons repeatedly to shift between different states.

### Note:

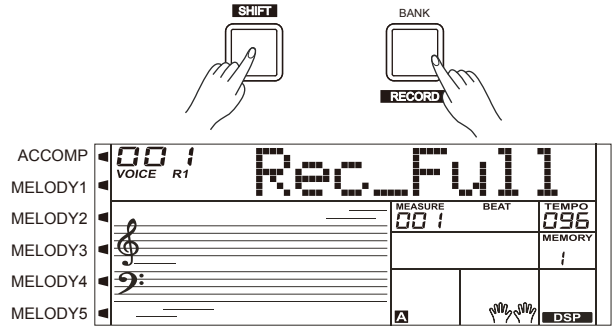
1. Record style with accompaniment track, and record melody with melody track.
2. In recording standby mode, it will automatically select the empty track next to the occupied track. For example, if "Melody 1" is occupied, then "Melody 2" will be selected as the record track. When all 6 tracks have been recorded, select the "melody 1" track to save recordings.



# Record

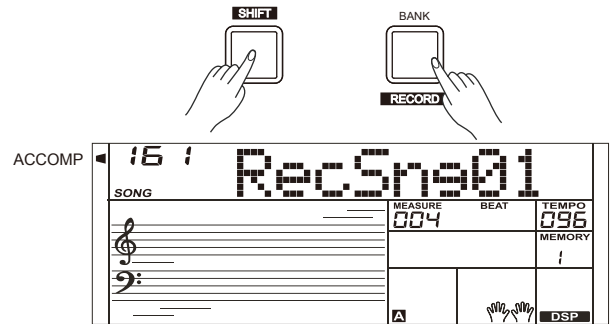
## Stop Recording

1. When recording is in process, holding down [SHIFT] button and then press the [RECORD] button to stop recording.
2. When recording is in process, if the memory is full, the recording will stop and save automatically, and the LCD displays "Rec\_Full".
3. If you are recording a style, recording will stop when the ending section is finished.



## Playback Recording

1. When recording is in process, holding down [SHIFT] button and then press the [RECORD] button, it will stop recording and enter the song mode, the LCD displays default name "RecSng" and number of user song, the current recorded song will play automatically in circle.
2. Press the [SONG] button to enter the song mode and it will play all songs circularly. Use the data dial, [+ / YES] or [- / NO] button to select a user songs. If there is no data in the selected user song, it will display "NoFile!" and stop playing.
3. When playback stops, you can select a user song, and then press the [START/STOP] button to play the selected song in a loop.



### Note:

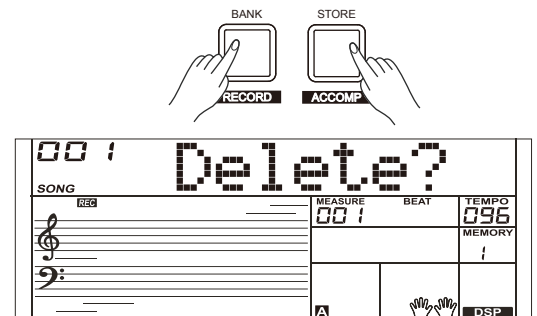
1. The saved user songs will not be lost after power off.
2. When the user song stops, press and hold a track button until its indicator lights off, the selected track will be muted in song playback.

## Delete User Song

1. Press and hold [RECORD] and [STORE] button together and turn power on simultaneously, all user songs will be erased.
2. In the recording standby mode, holding down [SHIFT] button and then press the [RECORD] button for two seconds, the LCD will display "Delete?" Now you can press [ACCOMP] (or [MELODY 1] to [MELODY 5]) button to select the track you want to delete.

The track selected will light up. If all tracks light up, the whole user song will be erased after confirmation.

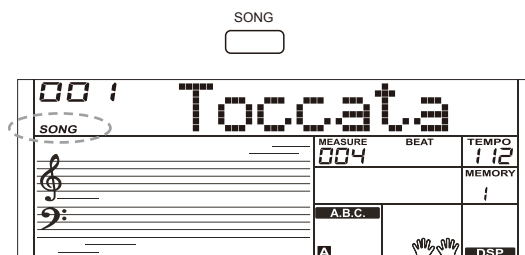
3. Press [+ / YES] to confirm and the recorded data in this track will be erased. Press [- / NO] to quit this step, and go back to the recording standby mode.



The instrument has a variety of songs, and each song can be practised in the smart learning mode.

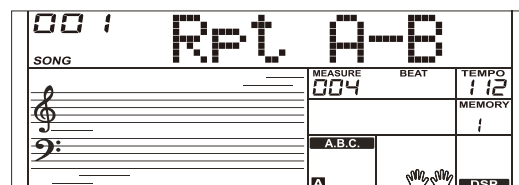
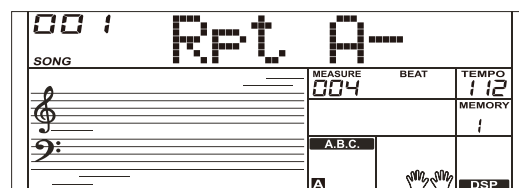
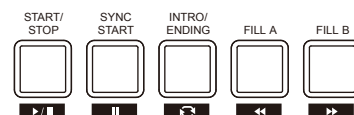
## Listen to the Songs

1. Press the [SONG] button to enter the song mode. The LCD shows "SONG" and it will play all songs circularly.
2. Use the data dial, [+ / YES] or [- / NO] button to select a song.
3. During song playback, press the [START/STOP] button to stop the song, press it again to play the current song repeatedly.
4. When the song is stopped, press the [STYLE], [RECORD], [VOICE], [DUAL] or [LOWER] button to exit the song mode.



## Song Control

1. **Introductory Beat**  
Before song start playing, it has the introductory beat; the measure starts from negative value. It begins to play the melody when the measure goes to 1.
2. **REW, FF and PAUSE**  
When the song is playing:  
Press the [ ] button to fast forward the song.  
Press the [ ] button to rewind the song (base on the measure).  
Press the [ ] button to pause the playing song, press it again to continue playing.
3. **Song Repeat**  
When playing the song, press the [ ] to set the beginning for a loop section of the current song, then press it again to set the loop end.  
When in loop status, press [ ] again to quit the loop playing status.



# Smart Learning System

This built-in smart learning mode provides a variety of ways to help you learn a new song faster and better. It smartly tailors the lessons for you, tracks your progress and grows with you through the practice.

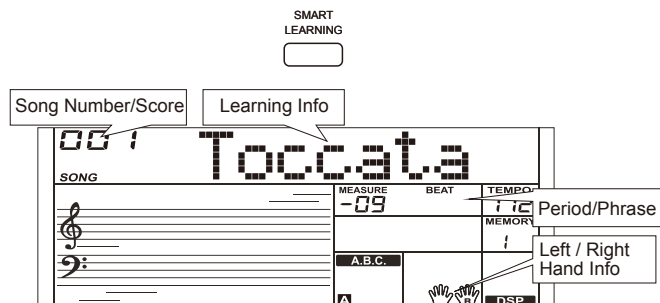
## Smart Learning

How to start the smart learning mode?

Press the [SMART LEARNING] button to enter the Smart Learning mode. LCD will first display the current song name and number, then display the lesson name before the lesson starts.

### Note:

1. Use the data dial, [+ / YES] or [- / NO] button to conveniently select a song.
2. In the process of learning, the LCD displays the highest score of previous challenge learning.



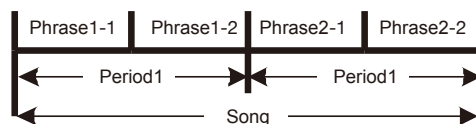
### What is period and phrase?

The fastest way to learning a new song is to divide the song into several parts, and individually practice each part. While you have a good command of each part, it may become very easy to learn the complete song.

A musical phrase is a unit of musical meter that has a complete musical sense of its own. Just like a complete sentence in an article.

In music, a period is a group of phrases consisting usually of at least one phrase, a common combination is two or four phrases, but three, five or more phrases still exist.

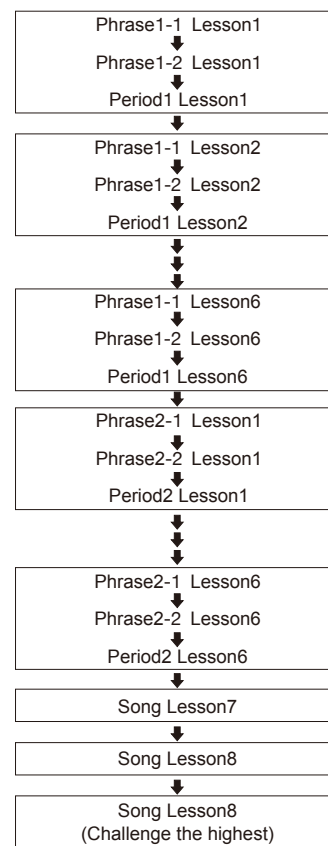
Refer to the relationship of song, period and phrase on the right picture.



### How to practicing with smart learning?

In order to help you learn songs faster and easier, the instrument presets 8 lessons for each song, which includes: step learning of pitch, timing, left hand, right hand, period, phrase and so on, try learning a new song in an enjoyable way. The contents of each lesson is shown in the following list:

| NO. | LCD      | Content of Lesson                                   |
|-----|----------|-----------------------------------------------------|
| 1   | LESSON 1 | Learn right hand pitch of period/phrase.            |
| 2   | LESSON 2 | Learn right hand pitch and timing of period/phrase. |
| 3   | LESSON 3 | Learn left hand pitch of period/phrase.             |
| 4   | LESSON 4 | Learn left hand pitch and timing of period/phrase.  |
| 5   | LESSON 5 | Learn both hands pitch of period/phrase.            |
| 6   | LESSON 6 | Learn both hands pitch and timing of period/phrase. |
| 7   | Complete | Learn both hands pitch and timing of complete song. |
| 8   | Test     | High score challenge.                               |



Normally, you will start from lesson 1 to lesson 6 before going to learn the whole song at lesson 7. During the lessons, the instrument will smartly pick out those phrases that you are not so familiar in the practice, and tailor the practice to fit your progress. In lesson 8 (High score challenge), you can challenge the highest score, and the score will be permanently recorded.

## Prompt Message

| LCD       | Description                                                                              |
|-----------|------------------------------------------------------------------------------------------|
| Lesson 1  | Prepare for the next lesson.                                                             |
| Play A    | preview the phrase which you are going to learn                                          |
| Try A     | Prompt the phrase which you are learning.                                                |
| Go Ahead  | You have passed the current period/ phrase, please prepare for the next period / phrase. |
| Try Again | You haven't passed the current period/ phrase, please try again.                         |
| Play A-H  | preview the period you are going to learning                                             |
| Try A-H   | Prompt the period you are learning.                                                      |
| Complete  | You are going to lesson 7 (Complete song learning).                                      |
| Test      | You are going to lesson 8 (High score challenge).                                        |
| Score85   | Your score.                                                                              |
| Retry ?   | Prompt if you want to play again when you finish this challenge learning.                |

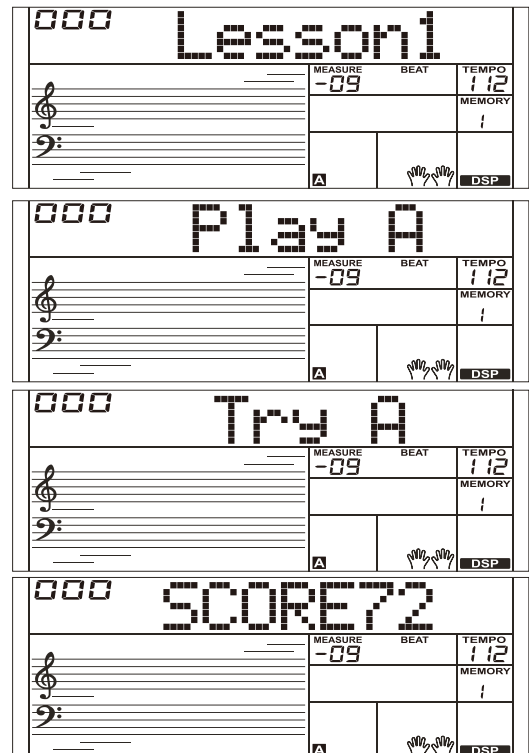
## Lesson 1/3/5 (Pitch)

With lesson 1/3/5, you can learn how to currently play melody pitch and accompaniment chords of songs. These three lessons are played in a same method. We are going to introduce the lesson 1 as an example.

1. Press [SMART LEARNING] button, start the smart learning. Use data dial or [+ /YES]/ [-/NO] button to select a song you want to learn.
2. The LCD currently displays name and number of song and, then, display the name of lesson "Lesson 1". When the LCD displays "Play A", it will preview the phrase you are going to learn. Please listen carefully and watch the notes on the staff.
3. When the LCD displays "Try A", it prompts you to play the notes to be shown on the staff.  
**Note:**  
 When you press the correct note, the song will continue playing, otherwise, it will stop and wait.
4. After you have finished this phrase the LCD will display your current learning score "SCOREXX". If you have got a score of 80 or more points, congratulations, you have passed this lesson, and you can enter the next phrase learning. The LCD displays "Go Ahead". If you have got a score less than 80 points, the LCD displays "Try Again", it means you have to repeat this phrase again.

## Note:

If your score is less than 80 points for 3 times, the system will replay the current phrase again to help you be familiar with it. Repeat the practice until you can play the phrase with ease.



# Smart Learning System

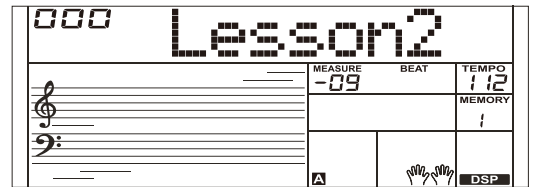
## Lesson 2/4/6 (Pitch and Timing)

In lesson 2/4/6, you will further learn both the pitch and timing of a song. That is to say, play songs with correct timing, pitch or chord. These three lessons are played in a same method. We are going to introduce lesson 2 as an example.

1. The system automatically enters the lesson 2 after you have passed the lesson 1; The LCD displays "Lesson 2".
2. In lesson 2 mode, the system will preview the period /phrase you are to play, and then start the lesson 2 learning. The LCD displays "Try A".
3. The LCD currently displays your learning score: "SCOREXX". If your score is or more than 80 points, you can prepare for the next lesson, the LCD will display "GoAhead", otherwise, the LCD will display "Try Again", repeat practicing current phrase.
4. If your score is less than 80 points for 3 times, it will automatically reduce the tempo by 10%. (For example, if the original tempo is 100, then it will go down to 90); you can practice with the new tempo.  
If your score reach 80 points, the tempo will automatically recover 10%, repeatedly practice period/phrase until you can play songs smoothly at the original tempo.

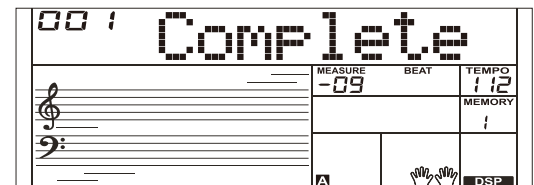
### Note:

The tempo will be reduced by 50% at most. You can press [TEMPO +] and [TEMPO -] buttons simultaneously to reset to the default tempo.



## Lesson 7 (Complete Song Learning)

1. Normally, you can start lesson 7 after finished lesson 1~6. Of course, you can directly enter lesson 7 by pressing [ ▶ ] button. The LCD displays "Complete" means you are preparing to learn lesson 7.
2. In lesson 7 mode, the instrument will completely play back a song for once, and then start pitch and timing practice. During the lesson, it will smartly pick out those phrases that you are not so familiar in the practice, and tailor the practice to fit your progress. Repeatedly practice until you can play the song smoothly.

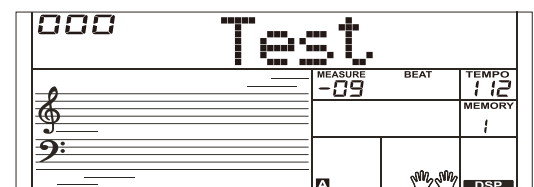
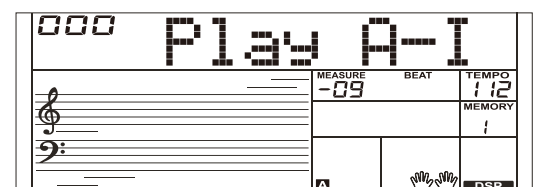


## Lesson 8 (High Score Challenge)

When the above lessons are finished, it will automatically enter the lesson 8 learning, the high score learning. The LCD displays "Test" and your score from the last challenge.

Surely, if you want to directly challenge a song, you can press [ ▶ ] button, and switch to lesson 8 quickly. After you finish this lesson, the LCD will display your score and corresponding prompt sound. As the list below:

| Score  | Prompt Sound |
|--------|--------------|
| <60    | Try Again    |
| 60~69  | Ok           |
| 70~79  | Good         |
| 80~89  | Very Good    |
| 90~100 | Excellent    |



If your score is higher than the instrument record, then congratulations! This indicates that you have challenged successfully and your score will be permanently recorded.

## **Select a Lesson**

Besides the standard learning procedure, you can also press the [ « ] or [ » ] button to freely select a lesson. You can select a lesson from lesson 1 to lesson 8; the LCD will display relevant information of lesson.

## **Pause the Lesson**

Press the [ ⏸ ] button to pause. Press the [ ⏸ ] button again and the lesson will resume from the current position.

## **Note:**

The [ ⏸ ] button cannot be used to pause lesson learning in lesson 1/3/5.

## **Stop/Start the Lesson**

You can press the [start/stop] button to stop or start to learn. During the learning process, press the [start/stop] button, it will stop and go back the beginning of the current lesson.

## **Keeping Records of the Learning Progress**

It smartly tracks your progress and save it, so the next time you enter the function, you can pick up from where you leave.

## **Note:**

It will not save your progress or records unless you exit the function as instructed. That is to say, any sudden power off will result in lost of records.

## **Practice with the Metronome**

At the beginning of a lesson, the metronome provides a click sound, giving you an accurate tempo guide when you practice, or letting you easily start the lesson learning.

## **Note:**

Since the piano songs do not have any accompaniment in lesson 6/7/8, the system will automatically start metronome to help your lesson learning.

# Chord Dictionary

If you know the name of a chord but don't know how to play it, you can use the Chord Dictionary function.

## DICT 1 (Chord Learning Mode)

Holding down [SHIFT] button, and then press the [DICT.] button to enter the DICT 1 mode, the LCD displays "Dict.1" and the A.B.C. automatically turned on. In DICT 1 mode, the keys C4~B5 are used to assign the Chord Type, the keys C6~B6 are used to assign the Chord Root. When the Chord Type and Chord Root are confirmed, the LCD will display the Chord and its keyboard position. For example, if you want to play a CM7 Chord, press the C6 key to specify C as the chord root. The root note you set will be shown on the LCD but the note doesn't sound. Refer to the picture on the right for assigning the Chord Root.

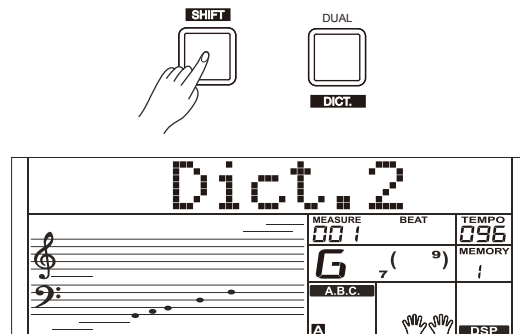
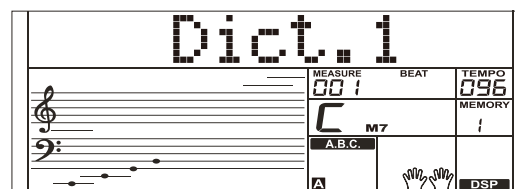
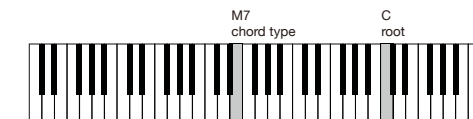
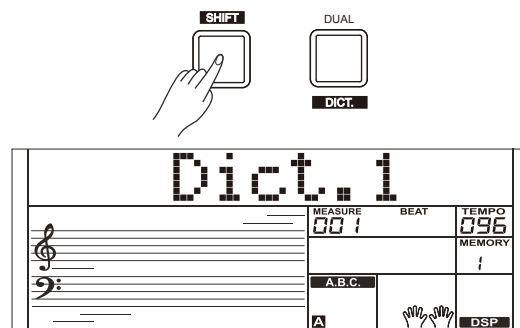
Press the E4 key to specify M7 as chord type. When the Chord Type and Chord Root are confirmed, the LCD will display the chord and its keyboard position. A prompt sound will be heard when you play it correctly in the chord area.

## DICT 2 (Chord Testing Mode)

Holding down [SHIFT] button, and then press the [DICT.] button to enter the DICT 2 mode. In DICT 2 mode, you can have a chord test. LCD will display a chord name in random order. If the chord fails to be played in 3 seconds, its notes will appear on LCD. Once the chord is played correctly, a new chord name will appear after a few seconds. In DICT 2 mode, Holding down [SHIFT] button, and then press the [DICT.] button again to turn off chord dictionary.

24 Chords will be displayed in the dictionary mode as follows:

| Note | Chord Root | Note | Chord Root | Note | Chord Root |
|------|------------|------|------------|------|------------|
| C6   | C          | C4   | M          | C5   | 7(b9)      |
| C#6  | C#/Db      | C#4  | M(9)       | C#5  | 7(9)       |
| D6   | D          | D4   | 6          | D5   | 7(#9)      |
| Eb6  | Eb/D#      | Eb4  | mM7        | Eb5  | 7(b13)     |
| E6   | E          | E4   | M7         | E5   | 7(13)      |
| F6   | F          | F4   | M          | F5   | 7(#11)     |
| F#6  | F#/Gb      | F#4  | M(9)       | F#5  | dim7       |
| G6   | G          | G4   | M6         | G5   | dim        |
| Ab6  | Ab/G#      | Ab4  | M7(9)      | Ab5  | 7aug       |
| A6   | A          | A4   | M7         | A5   | aug        |
| Bb6  | Bb/A#      | Bb4  | M7b5       | Bb5  | 7sus4      |
| B6   | B          | B4   | 7          | B5   | sus4       |



With the MIDI functions you can expand your musical possibilities. This section will let you know what MIDI is, and what it can do, as well as how you can use MIDI on your instrument.

## What's MIDI?

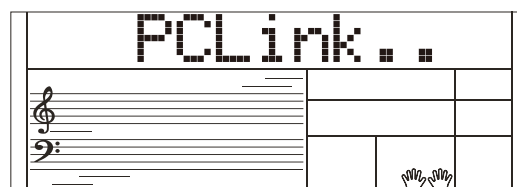
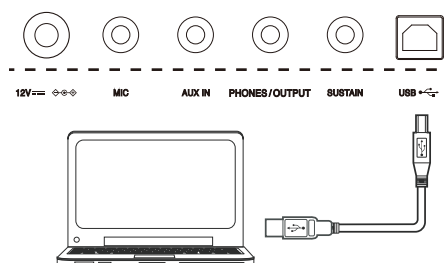
1. MIDI (short for Musical Instrument Digital Interface) allows a wide variety of electronic musical instruments, computers and other related devices to connect and communicate with one another. MIDI carries event messages that specify notation, pitch and velocity, control signals for parameters such as volume, vibrato, audio panning, and program change information to change the voice selections.
2. The instrument can output the real-time playback information via MIDI messages and control external MIDI devices. The instrument can also accept incoming MIDI messages and generate sound accordingly.

### Note:

This instrument has a USB(DEVICE) terminal, which can be connected to a PC as an MIDI input or MIDI output. This can not be connected with another instrument, unless the instrument has a USB host terminal.

## Upload/Download Data from the Computer

1. Connect a standard USB cable between the rear-panel USB jack on the instrument and the USB jack on your computer.
2. Power on the instrument first, and then open the PCSUITE software on your computer. If the LCD displays "PCLink.." it indicates the piano connects the PC successfully.
3. You can download MIDI files to the keyboard as user songs or upload the user songs to PC.
4. You can upload user styles to the computer as a backup or download them to the keyboard. You can upload memory files to the computer as a backup or download them to the keyboard.
5. Please refer to software operation instructions for detail operating methods.



# Troubleshooting

| Problem                                                                                           | Possible Cause and Solution                                                                                                                                                                                                                         |
|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| The speakers produce a pop sound whenever the power is turned ON or OFF.                          | This is normal and is no cause for alarm.                                                                                                                                                                                                           |
| No sound when the keyboard is played.                                                             | Make sure the master volume is set to an appropriate level. Check if headphones are plugged into the PHONES/OUTPUT jack. The R1/R2/L voice volume (Mixer) settings could be set too low. Make sure the voice volumes are set at appropriate levels. |
| When using a mobile phone, noise is produced.                                                     | Using a mobile phone in close proximity to the instrument may produce interference. To prevent this, turn off the mobile phone or use it further away from the instrument.                                                                          |
| The auto accompaniment does not play back even Sync is in standby condition and a key is pressed. | You may be trying to start accompaniment by playing a key in the righthand range of the keyboard. To start the accompaniment with Sync Start, make sure to play a key in the left-hand range of the keyboard.                                       |
| Certain notes sound at wrong pitch.                                                               | Make sure that the tuning value is set to 0. Press and hold the [+ / YES] and [- / NO] buttons at the same time, then turning the power on will set INSTRUMENT to default.                                                                          |
| The Harmony function does not operate.                                                            | Please make sure the Harmony function is on. And Harmony cannot be turned on when a drum kit is selected for the voice R1.                                                                                                                          |

**Notice:**

If you notice any abnormality cannot handle, please connect the provider or specified repair station, and have the instrument inspected by qualified service personnel.

|                                  |                                                                                                                   |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Keyboard &amp; Display</b>    |                                                                                                                   |
| Keyboard                         | 61 Keys with Touch Response                                                                                       |
| Touch Response                   | 5 Types, Off                                                                                                      |
| Display                          | Multi-functional LCD                                                                                              |
| <b>Voices</b>                    |                                                                                                                   |
| Polyphony (max.)                 | 128                                                                                                               |
| Voices                           | 653                                                                                                               |
| Layer                            | Left, Right1, Right2                                                                                              |
| Split                            | Yes                                                                                                               |
| <b>Styles</b>                    |                                                                                                                   |
| Styles                           | 240 preset, 10 user                                                                                               |
| Style Control                    | Start / Stop<br>Sync Start<br>Intro / Ending<br>Main A / Fill in A<br>Main B / Fill in B<br>A.B.C.<br>Fade In/Out |
| Style Creator                    | PC software                                                                                                       |
| O.T.S.                           | Yes                                                                                                               |
| Chord Types                      | 32                                                                                                                |
| <b>Effects</b>                   |                                                                                                                   |
| Effects                          | DSP on / off                                                                                                      |
| Master EQ                        | 6 types                                                                                                           |
| Reverb                           | 10 types, 128 levels                                                                                              |
| Chorus                           | 8 types, 128 levels                                                                                               |
| Vocal Effect                     | 7 types, Off                                                                                                      |
| <b>Performance Enhance</b>       |                                                                                                                   |
| Harmony                          | 26 types                                                                                                          |
| Performance Assistant            | Yes                                                                                                               |
| <b>Song &amp; Recording</b>      |                                                                                                                   |
| Music Library                    | 160 preset songs, Intelligent Learning System<br>310 album                                                        |
| Sequencer                        | 10 user songs (5 melody + 1 accomp.)                                                                              |
| Demo Song                        | 8                                                                                                                 |
| <b>Pitch Adjustment</b>          |                                                                                                                   |
| Transpose                        | -12 ~ +12                                                                                                         |
| Octave                           | -2 ~ +2                                                                                                           |
| Tuning                           | -50 ~ +50                                                                                                         |
| <b>Other Functions</b>           |                                                                                                                   |
| Mixer                            | Yes (11 tracks)                                                                                                   |
| Performance Memory               | 8 preset banks x 6                                                                                                |
| Assignable Controllers           | 1 Pedal                                                                                                           |
| Pitch Bend                       | Yes                                                                                                               |
| Metronome                        | 0, 2 ~ 9                                                                                                          |
| Tempo                            | 30 ~ 280                                                                                                          |
| Other control                    | Sustain, Piano Mode, Chord Dictionary                                                                             |
| <b>Connections</b>               |                                                                                                                   |
| Interaction & Expansion          | PC Software, USB MIDI                                                                                             |
| Microphone                       | Yes (with vocal effects)                                                                                          |
| Phones                           | Standard Stereo                                                                                                   |
| Pedals                           | Sustain                                                                                                           |
| USB                              | USB MIDI                                                                                                          |
| Input                            | Standard Stereo                                                                                                   |
| Output                           | Yes (Phones jack)                                                                                                 |
| <b>Power Supply</b>              |                                                                                                                   |
| Power                            | DC12V / 1A                                                                                                        |
| Batteries                        | 6 "AA" size or equivalent alkaline batteries                                                                      |
| Power Off Protection             | Yes                                                                                                               |
| <b>Amplifiers &amp; Speakers</b> |                                                                                                                   |
| Amplifiers                       | 2W x 2                                                                                                            |
| Speakers                         | 10W x 2                                                                                                           |
| <b>Dimensions &amp; Weight</b>   |                                                                                                                   |
| Dimensions LWH (mm)              | 956 x 360 x 133                                                                                                   |
| Weight (kg)                      | 5.3                                                                                                               |

\* All specifications and appearances are subject to change without notice.

# Voice List

| NO.                    | English Name                    | LCD Name |
|------------------------|---------------------------------|----------|
| Vietnamese Instruments |                                 |          |
| 1                      | Tranh                           | Tranh    |
| 2                      | Bau                             | Bau      |
| 3                      | Dance                           | Dance    |
| 4                      | Drum                            | Drum     |
| 5                      | Bass EDM                        | BassEDM  |
| Piano                  |                                 |          |
| 6                      | Acoustic Grand Piano            | GrandPno |
| 7                      | Acoustic Grand Piano 2          | GrandPn2 |
| 8                      | Acoustic Grand Piano (wide)     | GrandPnW |
| 9                      | Acoustic Grand Piano (dark)     | GrandPnD |
| 10                     | Bright Acoustic Piano           | BritePno |
| 11                     | Bright Acoustic Piano 2         | BritePn2 |
| 12                     | Bright Acoustic Piano (wide)    | BritePnW |
| 13                     | Electric Grand Piano            | E.Grand  |
| 14                     | Electric Grand Piano 2          | E.Grand2 |
| 15                     | Electric Grand Piano (wide)     | E.GrandW |
| 16                     | Electric Grand Piano (dark)     | E.GrandD |
| 17                     | Honky Tonk Piano                | HnkyTonk |
| 18                     | Honky Tonk Piano 2              | HnyTonk2 |
| 19                     | Honky Tonk Piano (wide)         | HnyTonkW |
| 20                     | Honky Tonk Piano (dark)         | HnyTonkD |
| 21                     | Harpsichord                     | Harpsi   |
| 22                     | Harpsichord 2                   | Harpsi2  |
| 23                     | Harpsichord (octave mix)        | HarpsiO  |
| 24                     | Harpsichord (wide)              | HarpsiW  |
| 25                     | Harpsichord (with key off)      | HarpsiOf |
| 26                     | Octave Grand Piano              | OctPno   |
| 27                     | Octave Grand Piano 2            | OctPno2  |
| 28                     | Piano & Strings                 | Pno&Str  |
| 29                     | Piano & Pad                     | Pno&Pad  |
| 30                     | Piano & Choir                   | Pno&Cho  |
| 31                     | Piano & EP                      | Pno&EP   |
| 32                     | Piano & Vibraphone              | Pno&Vib  |
| 33                     | Detuned Electric Piano          | DetunEP  |
| 34                     | Detuned Electric Piano 2        | DetunEP2 |
| 35                     | Electric Piano                  | E.Piano  |
| 36                     | Electric Piano 2                | E.Piano2 |
| 37                     | Electric Piano 3                | E.Piano3 |
| 38                     | Electric Piano 4                | E.Piano4 |
| 39                     | Electric Piano 1 (velocity mix) | E.PnoV1  |
| 40                     | Electric Piano 2 (velocity mix) | E.PnoV2  |
| 41                     | 60's Electric Piano             | 60'sEP   |
| 42                     | EP Legend                       | EPLegend |
| 43                     | Phase EP                        | PhaseEP  |
| 44                     | Clavi                           | Clavi    |
| 45                     | Clavi 2                         | Clavi2   |
| 46                     | Phase Clavi                     | PhaseClv |
| 47                     | Wah Clavi                       | WahClv   |
| 48                     | Pulse Clavi                     | PluseClv |
| 49                     | Dream EP                        | DreamEP  |
| 50                     | Tremolo EP                      | TremoEP  |
| 51                     | Funk EP                         | FunkEP   |
| 52                     | Warm EP                         | WarmEP   |
| 53                     | Choir EP                        | ChoriEP  |

|                      |                           |          |
|----------------------|---------------------------|----------|
| 54                   | Wah EP                    | WahEP    |
| 55                   | Modern EP                 | ModernEP |
| 56                   | EP Pad                    | EPPad    |
| Chromatic Percussion |                           |          |
| 57                   | Celesta                   | Celesta  |
| 58                   | Celesta 2                 | Celesta2 |
| 59                   | Celesta 3                 | Celesta3 |
| 60                   | Glockenspiel              | Glocken  |
| 61                   | Glockenspiel 2            | Glocken2 |
| 62                   | Glockenspiel 3            | Glocken3 |
| 63                   | Music Box                 | MusicBox |
| 64                   | Music Box 2               | MuscBox2 |
| 65                   | Music Box 3               | MuscBox3 |
| 66                   | Vibraphone                | Vibra    |
| 67                   | Vibraphone 2              | Vibra2   |
| 68                   | Vibraphone (wide)         | VibraW   |
| 69                   | Marimba                   | Marimba  |
| 70                   | Marimba 2                 | Marimba2 |
| 71                   | Marimba (wide)            | MarimbaW |
| 72                   | Xylophone                 | Xylophon |
| 73                   | Xylophone 2               | Xylopho2 |
| 74                   | Xylophone 3               | Xylopho3 |
| 75                   | Tubular Bells             | TubulBel |
| 76                   | Tubular Bells 2           | TubulBe2 |
| 77                   | Church Bell               | ChurBell |
| 78                   | Carillon                  | Carillon |
| 79                   | Dulcimer                  | Dulcimer |
| 80                   | Dulcimer 2                | Dulcime2 |
| 81                   | Santur                    | Santur   |
| Organ                |                           |          |
| 82                   | Italian 60's Organ        | 60'sOrgn |
| 83                   | Drawbar Organ             | DrawOrgn |
| 84                   | Drawbar Organ 2           | DrawOrg2 |
| 85                   | Detuned Drawbar Organ     | DeDraOrg |
| 86                   | Drawbar Organ 3           | DrawOrg3 |
| 87                   | Detuned Percussive Organ  | DePerOrg |
| 88                   | Percussive Organ          | PercOrgn |
| 89                   | Percussive Organ 2        | PercOrg2 |
| 90                   | 70's Percussive Organ     | 70'sPcOr |
| 91                   | Percussive Organ 3        | PercOrg3 |
| 92                   | Rock Organ                | RockOrgn |
| 93                   | Rock Organ 2              | RockOrg2 |
| 94                   | Rock Organ 3              | RockOrg3 |
| 95                   | Church Organ              | ChurOrgn |
| 96                   | Church Organ 2            | ChurOrg2 |
| 97                   | Church Organ 3            | ChurOrg3 |
| 98                   | Church Organ (octave mix) | ChurOrgO |
| 99                   | Detuned Church Organ      | DeChuOrg |
| 100                  | Reed Organ                | ReedOrgn |
| 101                  | Reed Organ 2              | ReedOrg2 |
| 102                  | Rotary Organ              | RotyOrgn |
| 103                  | Puff Organ                | PuffOrgn |
| 104                  | Accordion                 | Acordion |
| 105                  | Accordion 2               | Acordin2 |
| 106                  | Accordion 3               | Acordin3 |
| 107                  | Harmonica                 | Harmnica |

|               |                                   |          |
|---------------|-----------------------------------|----------|
| 108           | Harmonica 2                       | Harmnic2 |
| 109           | Harmonica 3                       | Harmnic3 |
| 110           | Tango Accordion                   | TangoAcd |
| 111           | Tango Accordion 2                 | TangAcd2 |
| <b>Guitar</b> |                                   |          |
| 112           | Acoustic Guitar (nylon)           | NylonGtr |
| 113           | Acoustic Guitar (nylon ) 2        | NylonGt2 |
| 114           | Acoustic Guitar (nylon) 3         | NylonGt3 |
| 115           | Acoustic Guitar (nylon + key off) | NylGtrOf |
| 116           | Ukulele                           | Ukulele  |
| 117           | Acoustic Guitar (steel)           | SteelGtr |
| 118           | Acoustic Guitar (steel) 2         | SteelGt2 |
| 119           | 12-Strings Guitar                 | 12StrGtr |
| 120           | Mandolin                          | Mandolin |
| 121           | Mandolin 2                        | Mandoli2 |
| 122           | Steel Guitar with Body Sound      | SteelBdy |
| 123           | Electric Guitar (jazz)            | JazzGtr  |
| 124           | Electric Guitar (jazz) 2          | JazzGtr2 |
| 125           | Electric Guitar (pedal steel)     | PedalGtr |
| 126           | Electric Guitar (clean)           | CleanGtr |
| 127           | Electric Guitar (clean) 2         | CleanGt2 |
| 128           | Electric Guitar (detuned clean)   | DetClnGt |
| 129           | Mid Tone Guitar                   | MidTonGt |
| 130           | Electric Guitar (muted)           | MutedGtr |
| 131           | Electric Guitar (muted) 2         | MutedGt2 |
| 132           | Electric Guitar (funky cutting)   | FunkGt   |
| 133           | Electric Guitar (muted velo-sw)   | MutVelGt |
| 134           | Jazz Man                          | JazzMan  |
| 135           | Overdriven Guitar                 | Ovrdrive |
| 136           | Overdriven Guitar 2               | Ovrdriv2 |
| 137           | Guitar Pinch                      | GtPinch  |
| 138           | Distortion Guitar                 | DistGtr  |
| 139           | Distortion Guitar 2               | DistGtr2 |
| 140           | Distortion Guitar (with feedback) | FeedbkGt |
| 141           | Guitar Feedback                   | GtrFedbk |
| 142           | Distorted Rhythm Guitar           | DistRyth |
| 143           | Guitar Harmonics                  | GtrHarmo |
| 144           | Guitar Harmonics 2                | GtHarmo2 |
| 145           | Velocity Nylon Guitar             | NylnGtVe |
| <b>Bass</b>   |                                   |          |
| 146           | Acoustic Bass                     | AcoBass  |
| 147           | Acoustic Bass 2                   | AcoBass2 |
| 148           | Wah Bass                          | WahBass  |
| 149           | Electric Bass (finger)            | FngrBass |
| 150           | Finger Slap Bass                  | FngrSlap |
| 151           | Electric Bass (pick)              | PickBass |
| 152           | Electric Bass (pick) 2            | PickBas2 |
| 153           | Fretless Bass                     | Fretless |
| 154           | Fretless Bass 2                   | Fretles2 |
| 155           | Slap Bass                         | SlapBass |
| 156           | Slap Bass 2                       | SlapBas2 |
| 157           | Slap Bass 3                       | SlapBas3 |
| 158           | Slap Bass 4                       | SlapBas4 |
| 159           | Synth Bass                        | SynBass  |
| 160           | Synth Bass 2                      | SynBass2 |

|                                 |                       |          |
|---------------------------------|-----------------------|----------|
| 161                             | Synth Bass 3          | SynBass3 |
| 162                             | Synth Bass 4          | SynBass4 |
| 163                             | Warm Synth Bass       | WarmBass |
| 164                             | Rsonance SynBass      | ResoBass |
| 165                             | Clavi Bass            | ClavBass |
| 166                             | Hammer                | Hammer   |
| 167                             | Attack Bass           | AtackBas |
| 168                             | Synth Bass (rubber)   | RubbBass |
| 169                             | Synth Bass (rubber) 2 | RubbBas2 |
| 170                             | Attack Pulse          | AtackPls |
| <b>Strings &amp; Orchestral</b> |                       |          |
| 171                             | Violin                | Violin   |
| 172                             | Violin 2              | Violin2  |
| 173                             | Violin (slow attack)  | SlViolin |
| 174                             | Viola                 | Viola    |
| 175                             | Viola 2               | Viola2   |
| 176                             | Cello                 | Cello    |
| 177                             | Cello 2               | Cello2   |
| 178                             | Contrabass            | Contrabs |
| 179                             | Contrabass 2          | Contrbs2 |
| 180                             | Tremolo Strings       | TremStr  |
| 181                             | Tremolo Strings 2     | TremStr2 |
| 182                             | Tremolo Strings 3     | TremStr3 |
| 183                             | Pizzicato Strings     | PizzStr  |
| 184                             | Pizzicato Strings 2   | PizzStr2 |
| 185                             | Orchestral Harp       | Harp     |
| 186                             | Orchestral Harp 2     | Harp2    |
| 187                             | Timpani               | Timpani  |
| 188                             | Timpani 2             | Timpani2 |
| 189                             | String Ensembles      | Strings  |
| 190                             | String Ensembles 2    | Strings2 |
| 191                             | String Ensembles 3    | Strings3 |
| 192                             | String Ensembles 4    | Strings4 |
| 193                             | Strings & Brass       | Str&Bras |
| 194                             | 60's Strings          | 60'sStr  |
| 195                             | Synth Strings         | SynStrs  |
| 196                             | Synth Strings 2       | SynStrs2 |
| 197                             | Synth Strings 3       | SynStrs3 |
| 198                             | Synth Strings 4       | SynStrs4 |
| 199                             | Synth Strings 5       | SynStrs5 |
| 200                             | Choir Aahs            | ChoirAah |
| 201                             | Choir Aahs 2          | ChorAah2 |
| 202                             | Choir Aahs 3          | ChorAah3 |
| 203                             | Voice Oohs            | VoiceOoh |
| 204                             | Voice Oohs 2          | VoicOoh2 |
| 205                             | Humming               | Humming  |
| 206                             | Anlong Voice          | AnlVoice |
| 207                             | Synth Voice           | SynVoice |
| 208                             | Synth Voice 2         | SynVoic2 |
| 209                             | Orchestra Hit         | OrchHit  |
| 210                             | Orchestra Hit 2       | OrchHit2 |
| 211                             | Bass Hit Plus         | BassHit  |
| 212                             | 6th Hit               | 6thHit   |
| 213                             | Euro Hit              | EuroHit  |
| <b>Brass</b>                    |                       |          |

# Voice List

|      |                      |          |
|------|----------------------|----------|
| 214  | Trumpet              | Trumpet  |
| 215  | Trumpet 2            | Trumpet2 |
| 216  | Dark Trumpet         | DarkTrp  |
| 217  | Trombone             | Trombone |
| 218  | Trombone 2           | Trmbone2 |
| 219  | Trombone 3           | Trmbone3 |
| 220  | Bright Trombone      | BritBone |
| 221  | Tuba                 | Tuba     |
| 222  | Tuba 2               | Tuba2    |
| 223  | Muted Trumpet        | MuteTrp  |
| 224  | Muted Trumpet 2      | MuteTrp2 |
| 225  | Muted Trumpet 3      | MuteTrp3 |
| 226  | French Horn          | FrHorn   |
| 227  | French Horn 2        | FrHorn2  |
| 228  | French Horn 3        | FrHorn3  |
| 229  | Brass Section        | Brass    |
| 230  | Brass Section 2      | Brass2   |
| 231  | Brass Section 3      | Brass3   |
| 232  | Synth Brass          | SynBrass |
| 233  | Synth Brass 2        | SynBras2 |
| 234  | Synth Brass 3        | SynBras3 |
| 235  | Synth Brass 4        | SynBras4 |
| 236  | Synth Brass 5        | SynBras5 |
| 237  | Synth Brass 6        | SynBras6 |
| 238  | Synth Brass 7        | SynBras7 |
| 239  | Synth Brass 8        | SynBras8 |
| 240  | Analog Synth Brass   | AnaBrass |
| 241  | Analog Synth Brass 2 | AnaBras2 |
| 242  | Analog Synth Brass 3 | AnaBras3 |
| 243  | Jump Brass           | JumpBras |
| 244  | Jump Brass 2         | JumpBrs2 |
| 245  | Funny                | Funny    |
| 246  | Funny 2              | Funny2   |
| Reed |                      |          |
| 247  | Soprano Sax          | SprnoSax |
| 248  | Soprano Sax 2        | SprnSax2 |
| 249  | Soprano Sax 3        | SprnSax3 |
| 250  | Alto Sax             | AltoSax  |
| 251  | Alto Sax 2           | AltoSax2 |
| 252  | Alto Sax 3           | AltoSax3 |
| 253  | Tenor Sax            | TenorSax |
| 254  | Tenor Sax 2          | TenoSax2 |
| 255  | Tenor Sax 3          | TenoSax3 |
| 256  | Baritone Sax         | BariSax  |
| 257  | Baritone Sax 2       | BariSax2 |
| 258  | Baritone Sax 3       | BariSax3 |
| 259  | Oboe                 | Oboe     |
| 260  | Oboe 2               | Oboe2    |
| 261  | Oboe 3               | Oboe3    |
| 262  | 2 Oboes              | 2Oboes   |
| 263  | English Horn         | EngHorn  |
| 264  | English Horn 2       | EngHorn2 |
| 265  | English Horn 3       | EngHorn3 |
| 266  | 2 English Horns      | 2EngHons |
| 267  | Bassoon              | Bassoon  |
| 268  | Bassoon 2            | Bassoon2 |

|            |                              |           |
|------------|------------------------------|-----------|
| 269        | Bassoon 3                    | Bassoon3  |
| 270        | 2 Bassoons                   | 2Bassoons |
| 271        | Clarinet                     | Clarinet  |
| 272        | Clarinet 2                   | Clarine2  |
| 273        | Clarinet 3                   | Clarine3  |
| 274        | 2 Clarinets                  | 2Clarins  |
| Pipe       |                              |           |
| 275        | Piccolo                      | Piccolo   |
| 276        | Piccolo 2                    | Piccolo2  |
| 277        | Piccolo 3                    | Piccolo3  |
| 278        | 2 Piccolos                   | 2Piccolos |
| 279        | Sweet Flute                  | SweeFlut  |
| 280        | Flute                        | Flute     |
| 281        | Flute 2                      | Flute2    |
| 282        | Flute 3                      | Flute3    |
| 283        | 2 Flutes                     | 2Flutes   |
| 284        | Recorder                     | Recorder  |
| 285        | Recorder 2                   | Recorde2  |
| 286        | 2 Recorders                  | 2Records  |
| 287        | Pan Flute                    | PanFlute  |
| 288        | Pan Flute 2                  | PanFlut2  |
| 289        | Sweet Pan Flute              | SwPanFlu  |
| 290        | Blown Bottle                 | Bottle    |
| 291        | Blown Bottle 2               | Bottle2   |
| 292        | Shakuhachi                   | Shakhchi  |
| 293        | Shakuhachi 2                 | Shakhch2  |
| 294        | Whistle                      | Whistle   |
| 295        | Whistle 2                    | Whistle2  |
| 296        | Ocarina                      | Ocarina   |
| 297        | Ocarina 2                    | Ocarina2  |
| Synth Lead |                              |           |
| 298        | Lead 1 (square)              | SquareLd  |
| 299        | Lead 1a (square) 2           | SquarLd2  |
| 300        | Lead 1 (square) 3            | SquarLd3  |
| 301        | Lead 1b (sine)               | SineLead  |
| 302        | Lead 2 (sawtooth)            | SawLead   |
| 303        | Lead 2a (sawtooth) 2         | SawLead2  |
| 304        | Lead 2 (sawtooth) 3          | SawLead3  |
| 305        | Lead 2b (saw + pulse)        | SawPlsLd  |
| 306        | Lead 2c (double sawtooth)    | DubSawLd  |
| 307        | Lead 2d (sequenced analog)   | SquAnaLd  |
| 308        | Lead 2d (sequenced analog) 2 | SqAnaLd2  |
| 309        | Wavy Sawtooth                | WavySaw   |
| 310        | Bauble Lead                  | BaubleLd  |
| 311        | Super Analog                 | SuperAna  |
| 312        | Lead 3 (calliope)            | CaliopLd  |
| 313        | Lead 3 (calliope) 2          | CalipLd2  |
| 314        | Lead 4 (chiff)               | ChiffLd   |
| 315        | Lead 4 (chiff) 2             | ChiffLd2  |
| 316        | Lead 4 (chiff) 3             | ChiffLd3  |
| 317        | Lead 4 (chiff) 4             | ChiffLd4  |
| 318        | Lead 5 (charang)             | CharanLd  |
| 319        | Lead 5 (charang) 2           | CharaLd2  |
| 320        | Lead 5 (charang) 3           | CharaLd3  |
| 321        | Lead 5 (charang) 4           | CharaLd4  |
| 322        | Lead 5a (wire lead)          | WireLead  |
| 323        | Lead 5a (wire lead) 2        | WireLd2   |

|           |                        |          |
|-----------|------------------------|----------|
| 324       | Lead 6 (voice)         | VoiceLd  |
| 325       | Lead 6 (voice) 2       | VoiceLd2 |
| 326       | Lead 7 (fifths)        | FifthsLd |
| 327       | Lead 7 (fifths) 2      | FifthLd2 |
| 328       | Lead 8 (bass + lead)   | BassLead |
| 329       | Lead 8 (bass + lead) 2 | BasLead2 |
| 330       | Lead 8 (bass + lead) 3 | BasLead3 |
| 331       | Lead 8a (soft wrl)     | SftWrlLd |
| 332       | Massiness              | Massin   |
| 333       | Square                 | Square   |
| 334       | Slow Square Lead       | SlwSquLd |
| 335       | Sine Solo              | SineSolo |
| 336       | Square Lead 4          | SquarLd4 |
| 337       | Thick Square           | ThickSqu |
| 338       | 2Oscillators Lead      | 2OscLd   |
| 339       | Wavy Sawtooth 2        | WavySaw2 |
| 340       | Analog Lead            | AnaLead  |
| 341       | Big Lead               | BigLead  |
| 342       | Fat Lead               | FatLead  |
| 343       | PWM 4th                | Rezz4th  |
| 344       | Delayed Lead           | DelyLead |
| 345       | Delayed Lead 2         | DlyLead2 |
| 346       | Fifth Lead             | FifLead  |
| 347       | Corrie                 | Corrie   |
| 348       | Quint                  | Quint    |
| Synth Pad |                        |          |
| 349       | Pad 1 (new age)        | NewAge   |
| 350       | Pad 1 (new age) 2      | NewAge2  |
| 351       | Pad 1 (new age) 3      | NewAge3  |
| 352       | Pad 1 (new age) 4      | NewAge4  |
| 353       | Pad 2 (warm)           | WarmPad  |
| 354       | Pad 2 (warm) 2         | WarmPad2 |
| 355       | Pad 2 (warm)3          | WarmPad3 |
| 356       | Pad 2a (sine pad)      | SinePad  |
| 357       | Pad 3 (polysynth)      | PolySyn  |
| 358       | Pad 3 (polysynth) 2    | PolySyn2 |
| 359       | Pad 3 (polysynth) 3    | PolySyn3 |
| 360       | Pad 3 (polysynth) 4    | PolySyn4 |
| 361       | Pad 4 (choir)          | ChoirPad |
| 362       | Pad 4 (choir) 2        | ChoirPd2 |
| 363       | Pad 4a (itopia)        | ItopiaPd |
| 364       | Pad 5 (bowed)          | BowedPad |
| 365       | Pad 5 (bowed) 2        | BowedPd2 |
| 366       | Pad 5 (bowed) 3        | BowedPd3 |
| 367       | Pad 5 (bowed) 4        | BowedPd4 |
| 368       | Pad 6 (metallic)       | MetalPad |
| 369       | Pad 6 (metallic) 2     | MetalPd2 |
| 370       | Pad 6 (metallic) 3     | MetalPd3 |
| 371       | Pad 7 (halo)           | HaloPad  |
| 372       | Pad 7 (halo) 2         | HaloPad2 |
| 373       | Pad 7 (halo) 3         | HaloPad3 |
| 374       | Pad 7 (halo) 4         | HaloPad4 |
| 375       | Pad 8 (sweep)          | SweepPad |
| 376       | Pad 8 (sweep) 2        | SweepPd2 |
| 377       | Pad 8 (sweep) 3        | SweepPd3 |
| 378       | Pan Pad                | PanPad   |

|              |                      |          |
|--------------|----------------------|----------|
| 379          | Pan Pad 2            | PanPad2  |
| 380          | Dipolar Pad          | DipolPad |
| 381          | PWM Pad              | PWMPad   |
| 382          | Warmly Pad           | WarmlyPd |
| 383          | Horn Pad             | HornPad  |
| 384          | Click Pad            | ClickPad |
| 385          | Analog Pad           | AnalogPd |
| 386          | 80's Poly Pad        | 80'sPoly |
| 387          | PWM 4th Soft         | PWM4thSf |
| 388          | Synth Calliope Soft  | SynCalSf |
| 389          | Soft Vox             | SoftVox  |
| 390          | 5th SawWave          | 5thSaw   |
| 391          | 5th Lead Soft        | 5thLdSf  |
| 392          | Slow Square          | SlSquare |
| 393          | New Year Pad         | NewYear  |
| 394          | Space Voice          | SpcVoice |
| 395          | Rising               | Rising   |
| 396          | Congregate           | Congrega |
| Synth SFX    |                      |          |
| 397          | FX 1 (rain)          | FXRain   |
| 398          | FX 1 (rain) 2        | FXRain2  |
| 399          | FX 2 (soundtrack)    | Soundtrk |
| 400          | FX 2 (soundtrack) 2  | Sondtrk2 |
| 401          | Prelude              | Prelude  |
| 402          | FX 3 (crystal)       | Crystal  |
| 403          | FX 3 (crystal) 2     | Crystal2 |
| 404          | FX 3 (crystal) 3     | Crystal3 |
| 405          | FX 3a (synth mallet) | SynMalet |
| 406          | FX 4 (atmosphere)    | Atmosphr |
| 407          | FX 4 (atmosphere) 2  | Atmosph2 |
| 408          | Warm Air             | WarmAir  |
| 409          | FX 5 (brightness)    | Bright   |
| 410          | FX 5 (brightness) 2  | Bright2  |
| 411          | Smog                 | Smog     |
| 412          | FX 6 (goblins)       | Goblins  |
| 413          | FX 6 (goblins) 2     | Goblins2 |
| 414          | FX 6 (goblins) 3     | Goblins3 |
| 415          | Choir Bell           | ChorBell |
| 416          | Choir Bell 2         | ChorBel2 |
| 417          | FX 7 (echoes)        | Echoes   |
| 418          | FX 7 (echoes) 2      | Echoes2  |
| 419          | FX 7 (echoes) 3      | Echoes3  |
| 420          | FX 7b (echo pan)     | EchoPan  |
| 421          | FX 7a (echo bell)    | EchoBell |
| 422          | FX 7a (echo bell) 2  | EchoBel2 |
| 423          | FX 7a (echo bell) 3  | EchoBel3 |
| 424          | FX 8 (sci-fi)        | Sci-Fi   |
| 425          | FX 8 (sci-fi) 2      | Sci-Fi2  |
| 426          | FX 8 (sci-fi) 3      | Sci-Fi3  |
| Ethnic Misc. |                      |          |
| 427          | Sitar                | Sitar    |
| 428          | Sitar 2              | Sitar2   |
| 429          | Sitar 3              | Sitar3   |
| 430          | Banjo                | Banjo    |
| 431          | Banjo 2              | Banjo2   |
| 432          | Banjo 3              | Banjo3   |

# Voice List

|            |                     |          |
|------------|---------------------|----------|
| 433        | Shamisen            | Shamisen |
| 434        | Shamisen 2          | Shamise2 |
| 435        | Shamisen 3          | Shamise3 |
| 436        | Koto                | Koto     |
| 437        | Koto 2              | Koto2    |
| 438        | Kalimba             | Kalimba  |
| 439        | Kalimba 2           | Kalimba2 |
| 440        | Kalimba 3           | Kalimba3 |
| 441        | Bag Pipe            | BagPipe  |
| 442        | Bag Pipe 2          | BagPipe2 |
| 443        | Bag Pipe 3          | BagPipe3 |
| 444        | Fiddle              | Fiddle   |
| 445        | Fiddle 3            | Fiddle3  |
| 446        | Shanai              | Shanai   |
| 447        | Shanai 2            | Shanai2  |
| 448        | Shanai 3            | Shanai3  |
| Percussive |                     |          |
| 449        | Tinkle Bell         | TnkIBell |
| 450        | Tinkle Bell 2       | TnkIBel2 |
| 451        | Tinkle Bell 3       | TnkIBel3 |
| 452        | Agogo               | Agogo    |
| 453        | Agogo 2             | Agogo2   |
| 454        | Agogo 3             | Agogo3   |
| 455        | Steel Drums         | SteelDrm |
| 456        | Steel Drums 2       | StelDrm2 |
| 457        | Steel Drums 3       | StelDrm3 |
| 458        | Woodblock           | WoodBlok |
| 459        | Woodblock 2         | WodBlok2 |
| 460        | Woodblock 3         | WodBlok3 |
| 461        | Castanets           | Castanet |
| 462        | Castanets 2         | Castant2 |
| 463        | Taiko Drum          | TaikoDrm |
| 464        | Taiko Drum 2        | TaikDrm2 |
| 465        | Taiko Drum 3        | TaikDrm3 |
| 466        | Concert Bass Drum   | ConBasDm |
| 467        | Concert Bass Drum 2 | ConBsDm2 |
| 468        | Acoustic Bass Drum  | BassDrum |
| 469        | Room Kick           | RoomKick |
| 470        | Power Kick          | PowrKick |
| 471        | Electric Bass Drum  | ElBsDrum |
| 472        | Analog Bass Drum    | AnBsDrum |
| 473        | Jazz Kick           | JazzKick |
| 474        | Side Stick          | SidStick |
| 475        | Analog Rim Shot     | AnRiShot |
| 476        | Acoustic Snare      | A.Snare  |
| 477        | Room Snare          | RomSnare |
| 478        | Power Snare         | PowSnare |
| 479        | Electric Snare      | E.Snare  |
| 480        | Analog Snare        | AnaSnare |
| 481        | Jazz Snare          | JazSnare |
| 482        | Brush Tap           | BrushTap |
| 483        | Concert SD          | ConcetSD |
| 484        | Hand Clap           | HandClap |
| 485        | Tom                 | Tom      |
| 486        | Room Tom            | RoomTom  |
| 487        | Power Tom           | PowerTom |

|     |                             |          |
|-----|-----------------------------|----------|
| 488 | Electric Tom                | ElecTom  |
| 489 | Analog Tom                  | AnaTom   |
| 490 | Brush Tom                   | BrushTom |
| 491 | Closed Hi-hat               | ClosedHH |
| 492 | Analog Closed Hi-hat        | AnCloHH  |
| 493 | Pedal Hi-hat                | PedalHH  |
| 494 | Open Hi-hat                 | OpenHH   |
| 495 | Crash Cymbal                | CrashCym |
| 496 | Analog Cymbal               | AnaCym   |
| 497 | Ride Cymbal                 | RideCym  |
| 498 | China Cymbal                | ChinaCym |
| 499 | Ride Bell                   | RideBell |
| 500 | Tambourine                  | Tambouri |
| 501 | Splash Cymbal               | SplashCy |
| 502 | Cowbell                     | Cowbell  |
| 503 | Analog Cowbell              | AnaCowbl |
| 504 | High Bongo                  | HiBongo  |
| 505 | Low Bongo                   | LoBongo  |
| 506 | Mute Hi Conga               | MuHiCnga |
| 507 | Open Hi Conga               | OpHiCnga |
| 508 | Low Conga                   | LowConga |
| 509 | Analog Hi Conga             | AnHiCnga |
| 510 | Analog Mid Conga            | AnMiCnga |
| 511 | Analog Low Conga            | AnLoCnga |
| 512 | High Timbale                | HiTimbal |
| 513 | Low Timbale                 | LoTimbal |
| 514 | Cabasa                      | Cabasa   |
| 515 | Maracas                     | Maracas  |
| 516 | Analog Maracas              | AnMaraca |
| 517 | Short Guiro                 | ShGuiro  |
| 518 | Long Guiro                  | LoGuiro  |
| 519 | Claves                      | Claves   |
| 520 | Mute Cuica                  | MuCuica  |
| 521 | Open Cuica                  | OpCuica  |
| 522 | Mute Triangle               | MuTrgle  |
| 523 | Open Triangle               | OpTrgle  |
| 524 | Shaker                      | Shaker   |
| 525 | Mute Surdo                  | MuSurdo  |
| 526 | Open Surdo                  | OpSurdo  |
| 527 | Melodic Tom                 | MeloTom  |
| 528 | Melodic Tom 2               | MeloTom2 |
| 529 | Melodic Tom 3               | MeloTom3 |
| 530 | Synth Drum                  | SynDrum  |
| 531 | Synth Drum 2                | SynDrum2 |
| 532 | Rhythm Box Tom              | RhythBox |
| 533 | Electric Drum               | ElecDrum |
| 534 | Electric Drum 2             | EleDrum2 |
| 535 | Reverse Cymbal              | RevCymb1 |
| 536 | Reverse Cymbal 2            | RevCymb2 |
| SFX |                             |          |
| 537 | Guitar Fret Noise           | FretNoiz |
| 538 | Guitar Fret Noise 2         | FreNoiz2 |
| 539 | Guitar Cutting Noise        | GtCtNoiz |
| 540 | Guitar Cutting Noise 2      | GtCtNoz2 |
| 541 | Acoustic Bass String Slap   | BsStSlap |
| 542 | Acoustic Bass String Slap 2 | BsStSlp2 |

|                |                              |           |
|----------------|------------------------------|-----------|
| 543            | Breath Noise                 | BrthNoiz  |
| 544            | Breath Noise 2               | BrthNoz2  |
| 545            | Flute Key Click              | FIKeyClk  |
| 546            | Flute Key Click 2            | FIKeyCk2  |
| 547            | Seashore                     | Seashore  |
| 548            | Seashore 2                   | Seashor2  |
| 549            | Rain                         | Rain      |
| 550            | Thunder                      | Thunder   |
| 551            | Wind                         | Wind      |
| 552            | Stream                       | Stream    |
| 553            | Bubble                       | Bubble    |
| 554            | Bird Tweet                   | Tweet     |
| 555            | Bird Tweet 2                 | Tweet2    |
| 556            | Dog                          | Dog       |
| 557            | Horse Gallop                 | HouseGlp  |
| 558            | Telephone Ring               | Telephone |
| 559            | Telephone Ring 2             | Telphon2  |
| 560            | Door Creaking                | DoorCrek  |
| 561            | Door                         | Door      |
| 562            | Scratch                      | Scratch   |
| 563            | Wind Chime                   | WindChim  |
| 564            | Helicopter                   | Helicptr  |
| 565            | Car Engine                   | CarEngin  |
| 566            | Car Stop                     | CarStop   |
| 567            | Car Pass                     | CarPass   |
| 568            | Car Crash                    | CarCrash  |
| 569            | Siren                        | Siren     |
| 570            | Train                        | Train     |
| 571            | Jetplane                     | Jetplane  |
| 572            | Starship                     | Starship  |
| 573            | Burst Noise                  | BurtNois  |
| 574            | Applause                     | Applause  |
| 575            | Laughing                     | Laughing  |
| 576            | Screaming                    | Scream    |
| 577            | Punch                        | Punch     |
| 578            | Heart Beat                   | HeartBet  |
| 579            | Footsteps                    | Footstep  |
| 580            | Gunshot                      | Gunshot   |
| 581            | Machine Gun                  | MachnGun  |
| 582            | Laser gun                    | Laser gun |
| 583            | Explosion                    | Explosio  |
| Combined Voice |                              |           |
| 584            | Stereo Piano & Strings Pad   | Pn&StrPd  |
| 585            | Stereo Piano & Choir         | Pn&Choir  |
| 586            | Stereo Piano & Synth Strings | Pn&SyStr  |
| 587            | Stereo Piano & Warm Pad      | Pn&WrmPd  |
| 588            | Stereo Piano & Soft EP       | Pn&SfEP   |
| 589            | FM Electric Piano            | FMEP      |
| 590            | Digital Piano                | DigitlPn  |
| 591            | E.Piano & Strings            | EP&Str    |
| 592            | E.Piano & Acoustic Guitar    | EP&Gtr    |
| 593            | E.Piano & Vibraphone         | EP&Vibra  |
| 594            | E.Piano 2 & Pad              | EP2&Pad   |
| 595            | E.Piano 2 & Strings          | EP2&Str   |
| 596            | Harpichord & Stereo Strings  | Hrps&Str  |
| 597            | Music Box & Stereo Strings   | MBox&Str  |

|       |                                |          |
|-------|--------------------------------|----------|
| 598   | Vibraphone & Stereo Strings    | Vib&Str  |
| 599   | Vibraphone Octave              | VibraOct |
| 600   | Vibraphone & Marimba & Kalimba | Vib&M&K  |
| 601   | Marimba & Kalimba              | Mar&Kal  |
| 602   | Marimba Delay                  | MarDelay |
| 603   | Xylophone Octave               | XylopOct |
| 604   | Organ & Stereo Strings         | Orgn&Str |
| 605   | Stereo Organ & Piano           | Orgn&Pno |
| 606   | Rock Organ & Strings           | RkOr&Str |
| 607   | Church Organ & Choir           | ChOr&Cho |
| 608   | Church Organ & Strings         | ChOr&Str |
| 609   | Acoustic Guitar & Flute        | Gtr&Flut |
| 610   | Acoustic Guitar & Clavi        | Gtr&Clav |
| 611   | 24 String Guitar               | 24StrGtr |
| 612   | Steel Guitar & Warm Pad        | StGt&Pad |
| 613   | Stereo Strings & Horn          | Str&Horn |
| 614   | Orchestra                      | Orchestr |
| 615   | Full Strings                   | FullStr  |
| 616   | Full Strings 2                 | FullStr2 |
| 617   | Symphonic                      | Symphon  |
| 618   | Stereo Choir & Strings         | Cho&Str  |
| 619   | Stereo Choir & Steel Guitar    | Cho&Gtr  |
| 620   | 3 Trumpet Loose                | 3Trumpet |
| 621   | Trombone & Stereo Strings      | Tomb&Str |
| 622   | 3 Trombones Loose              | 3Trmbone |
| 623   | 3 Muted Trumpets Loose         | 3MuTrump |
| 624   | Club Brass                     | ClubBras |
| 625   | Brass & Woodwinds              | Brs&Wood |
| 626   | Woodwinds & Strings            | Wood&Str |
| 627   | Section Woods Small            | WoodSmal |
| 628   | Pan Flute & Strings Pad        | PnFl&Str |
| 629   | Koto & Shamisen                | Kto&Sham |
| 630   | Flute & Clarinet               | Flu&Clar |
| 631   | Flute & Oboe                   | Flu&Oboe |
| 632   | Flute & Bassoon                | Flu&Bn   |
| 633   | Flute & Oboe & Clarinet        | Fl&Ob&Cl |
| 634   | Flute & Clarinet & Bassoon     | Fl&Cl&Bn |
| 635   | Flute & Oboe & Bassoon         | Fl&Ob&Bn |
| 636   | Flute Octave                   | FluteOct |
| 637   | Flute & Oboe Octave            | Fl&ObOct |
| 638   | Flute & Clarinet Octave        | Fl&ClOct |
| 639   | Oboe & Bassoon                 | Oboe&Bn  |
| 640   | Oboe & Clarinet                | Ob&Cl    |
| 641   | Oboe & Clarinet & Bassoon      | Ob&Cl&Bn |
| 642   | Oboe Octave                    | OboeOct  |
| 643   | Oboe & Clarinet Octave         | Ob&ClOct |
| 644   | Oboe & Bassoon Octave          | Ob&BnOct |
| Drums |                                |          |
| 645   | Standard Set                   | StandSet |
| 646   | Room Set                       | RoomSet  |
| 647   | Power Set                      | PowerSet |
| 648   | Electronic Set                 | ElectSet |
| 649   | Analog Set                     | AnalgSet |
| 650   | Jazz Set                       | JazzSet  |
| 651   | Brush Set                      | BrushSet |
| 652   | Orchestra Set                  | OrcheSet |
| 653   | SFX Set                        | SFXSet   |

# Style List

| NO.                   | English Name     | LCD Name |
|-----------------------|------------------|----------|
| <b>8BEAT</b>          |                  |          |
| 1                     | 8Beat Ballad     | 8BtBld   |
| 2                     | 8Beat Piano      | 8BtPiano |
| 3                     | 8Beat 1          | 8Beat1   |
| 4                     | Guitar Pop 1     | GtPop1   |
| 5                     | 8Beat Hip Hop    | 8BtHiHop |
| 6                     | 8Beat Blues Rock | 8BtBluRk |
| 7                     | 8Beat Pop        | 8BtPop   |
| 8                     | Pop Funk 1       | PopFunk1 |
| 9                     | Rhythm&Beat 1    | Rhy&Bt1  |
| 10                    | 8Beat Disco 1    | 8BtDisc1 |
| 11                    | 8Beat Rock       | 8BtRock  |
| 12                    | Guitar Pop 2     | GtPop2   |
| 13                    | 8Beat 2          | 8Beat2   |
| 14                    | Sweet Beat       | SweetBt  |
| 15                    | 8Beat Dance      | 8BtDance |
| 16                    | 8Beat Disco 2    | 8BtDisc2 |
| 17                    | Pop Funk 2       | PopFunk2 |
| 18                    | 8Beat 3          | 8Beat3   |
| 19                    | 60's 8Beat       | 60's8Bt  |
| 20                    | Rhythm&Beat 2    | Rhy&Bt2  |
| <b>16BEAT</b>         |                  |          |
| 21                    | 16Beat 1         | 16Beat1  |
| 22                    | 16Beat Funk 1    | 16BtFuk1 |
| 23                    | 16Beat Ballad 1  | 16BtBld1 |
| 24                    | 16Beat R&B       | 16BtR&B  |
| 25                    | Pop 16Beat 1     | Pop16Bt1 |
| 26                    | 16Beat Funk 2    | 16BtFuk2 |
| 27                    | 16Beat Dance     | 16BtDanc |
| 28                    | Pop 16Beat 2     | Pop16Bt2 |
| 29                    | 16Beat 2         | 16Beat2  |
| 30                    | Pop 16Beat 3     | Pop16Bt3 |
| 31                    | Pop 16Beat 4     | Pop16Bt4 |
| 32                    | Modern 16Beat    | Modr16Bt |
| 33                    | 16Beat Hot       | 16BtHot  |
| 34                    | 16Beat Modern    | 16BtModr |
| 35                    | 16Beat Funk 3    | 16BtFuk3 |
| 36                    | 16Beat 3         | 16Beat3  |
| 37                    | Cool Beat        | CoolBeat |
| 38                    | 16Beat Ballad 2  | 16BtBld2 |
| 39                    | 16Beat 4         | 16Beat4  |
| 40                    | Pop Shuffle      | PopShfl  |
| <b>POP&amp;BALLAD</b> |                  |          |
| 41                    | Pop Rock 1       | PopRock1 |
| 42                    | Pop Dance 1      | PopDanc1 |
| 43                    | Pop Fusion       | PopFusn  |
| 44                    | Analog Night 1   | AnalgNt1 |
| 45                    | 6/8 Pop          | 6/8Pop   |
| 46                    | Brit. Pop 1      | BritPop1 |
| 47                    | Brit. Pop 2      | BritPop2 |
| 48                    | Pop Hit          | PopHit   |
| 49                    | Fusion Shuffle   | FusShufl |
| 50                    | Analog Night 2   | AnalgNt2 |
| 51                    | Guitar Pop 3     | GtPop3   |
| 52                    | Pop Beat         | PopBeat  |

|                 |                |          |
|-----------------|----------------|----------|
| 53              | Soft Beat      | SoftBeat |
| 54              | 60's Pop       | 60'sPop  |
| 55              | Sting Latin    | StigLatn |
| 56              | R&B Ballad 1   | R&BBld1  |
| 57              | Guitar Ballad  | GtBallad |
| 58              | Ballad Rock    | BaldRock |
| 59              | Piano Pop      | PianoPop |
| 60              | Soft Ballad    | SoftBald |
| 61              | Natural Ballad | NatulBld |
| 62              | Love Ballad    | LoveBald |
| 63              | Easy Ballad    | EasyBald |
| 64              | Miami Folk     | MiamiBld |
| 65              | Slow Ballad    | SlowBald |
| 66              | Folk Ballad    | FolkBald |
| 67              | Pop Ballad 1   | PopBald1 |
| 68              | Pop Ballad 2   | PopBald2 |
| 69              | EP Ballad      | EPBallad |
| 70              | New R&B Ballad | NewRBBld |
| <b>ROCK</b>     |                |          |
| 71              | Rock           | Rock     |
| 72              | New Wave       | NewWave  |
| 73              | Ska            | Ska      |
| 74              | Pop Rock 2     | PopRock2 |
| 75              | Slow Rock      | SlowRock |
| 76              | 70's Rock&Roll | 70'sRock |
| 77              | Folk Rock      | FolkRock |
| 78              | Soft Rock      | SoftRock |
| 79              | Old Rock       | OldRock  |
| 80              | Easy Rock      | EasyRock |
| 81              | New Shuffle    | NewShufl |
| 82              | Rock Hip Hop   | RkHipHop |
| 83              | Rock&Roll 1    | R'N'R1   |
| 84              | Rock Shuffle   | RockShfl |
| 85              | Rock&Roll 2    | R'N'R2   |
| <b>BALLROOM</b> |                |          |
| 86              | Tango 1        | Tango1   |
| 87              | Spain Matador  | Matador  |
| 88              | Twist 1        | Twist1   |
| 89              | Twist 2        | Twist2   |
| 90              | Big Band Fox   | BandFox  |
| 91              | Tango 2        | Tango2   |
| 92              | Slow Fox       | SlowFox  |
| 93              | Slow Waltz 1   | SlowWlzl |
| 94              | Swing Fox      | SwingFox |
| 95              | Salsa 1        | Salsa1   |
| 96              | Cha Cha 1      | ChaCha1  |
| 97              | Cha Cha 2      | ChaCha2  |
| 98              | Beguine 1      | Beguine1 |
| 99              | Beguine 2      | Beguine2 |
| 100             | Rumba 1        | Rumba1   |
| 101             | Samba 1        | Samba1   |
| 102             | Samba 2        | Samba2   |
| 103             | Jive           | Jive     |
| 104             | Fox Trot       | FoxTrot  |
| <b>DANCE</b>    |                |          |
| 105             | Techno 1       | Techno1  |

|                         |                    |          |
|-------------------------|--------------------|----------|
| 106                     | Hip Hop 1          | HipHop1  |
| 107                     | House 1            | House1   |
| 108                     | House 2            | House2   |
| 109                     | Pop Dance 2        | PopDanc2 |
| 110                     | Down Beat          | DownBeat |
| 111                     | Techno 2           | Techno2  |
| 112                     | Progressive        | Progress |
| 113                     | Rap 1              | Rap1     |
| 114                     | Rap 2              | Rap2     |
| 115                     | Disco              | Disco    |
| 116                     | Soft Disco         | SoftDisc |
| 117                     | Disco Party        | DscParty |
| 118                     | 70's Disco         | 70'sDisc |
| 119                     | 70's Disco Funk    | 70'sFunk |
| 120                     | Club Dance         | ClubDanc |
| 121                     | Euro Dance         | EuroDanc |
| 122                     | Hip Hop 2          | HipHop2  |
| 123                     | Garage             | Garage   |
| <b>SOUL &amp; FUNK</b>  |                    |          |
| 124                     | Funk 1             | Funk1    |
| 125                     | Classic Funk       | ClasFunk |
| 126                     | Jay R&B            | JayR&B   |
| 127                     | Gospel Swing       | GopSwing |
| 128                     | Gospel             | Gospel   |
| 129                     | Funk 2             | Funk2    |
| 130                     | Electric Funk      | ElecFunk |
| 131                     | Groove Funk        | GrooveFk |
| 132                     | Rubber Funk        | RubberFk |
| 133                     | Cool Funky         | ColFunky |
| 134                     | Jazz Funk          | JazzFunk |
| 135                     | Groove             | Groove   |
| 136                     | Soul               | Soul     |
| 137                     | Hip Hop Soul       | HipHopSI |
| 138                     | Hip Hop Beat       | HipHopBt |
| 139                     | R&B                | R&B      |
| 140                     | Soul Beat          | SoulBeat |
| 141                     | R&B Ballad 2       | R&BBld2  |
| 142                     | British Soul Pop   | BritSoul |
| <b>SWING &amp; JAZZ</b> |                    |          |
| 143                     | Latin Jazz 1       | LatinJz1 |
| 144                     | Big Band 1         | BigBand1 |
| 145                     | Dixieland 1        | Dixland1 |
| 146                     | Guitar Swing 1     | GtSwing1 |
| 147                     | Broadway Big Band  | BwayBand |
| 148                     | Swing              | Swing    |
| 149                     | Latin Jazz 2       | LatinJz2 |
| 150                     | Fusion             | Fusion   |
| 151                     | Acid Jazz          | AcidJazz |
| 152                     | Cool Jazz Ballad   | CoolJzBd |
| 153                     | Swing Shuffle      | SwingSfl |
| 154                     | Big Band Medium    | BandMid  |
| 155                     | Dixieland 2        | Dixland2 |
| 156                     | Acoustic Jazz      | AcoustJz |
| 157                     | Guitar Swing 2     | GtSwing2 |
| 158                     | Ragtime            | Ragtime  |
| 159                     | Modern Jazz Ballad | MdJzBald |

|                                |                     |           |
|--------------------------------|---------------------|-----------|
| 160                            | Swing Ballad        | SwingBal  |
| 161                            | Orchestra Swing     | OrhSwing  |
| <b>COUNTRY</b>                 |                     |           |
| 162                            | Country Pop 1       | CntyPop1  |
| 163                            | Bluegrass 1         | Blugras1  |
| 164                            | 8Beat Country       | 8BtCnty   |
| 165                            | Modern Country      | ModrCnty  |
| 166                            | Country Pop 2       | CntyPop2  |
| 167                            | Bluegrass 2         | Blugras2  |
| 168                            | 2/4 Country         | 2/4Cntry  |
| 169                            | Country Quick Steps | QuickStp  |
| 170                            | Country Folk        | CntyFolk  |
| 171                            | Country Shuffle     | CnyShufl  |
| <b>LATIN &amp; LATIN DANCE</b> |                     |           |
| 172                            | Samba 3             | Samba3    |
| 173                            | Bossa Nova          | BosaNova  |
| 174                            | Latin               | Latin     |
| 175                            | New Reggae          | NewRegga  |
| 176                            | Reggae Dance        | DanRegga  |
| 177                            | Paso Doble          | Pasodobl  |
| 178                            | Lite Bossa          | LteBossa  |
| 179                            | Latin Rock          | LatinRck  |
| 180                            | Beguine 3           | Beguine3  |
| 181                            | Slow Bolero         | SI Bolero |
| 182                            | Disco Samba         | DscSamba  |
| 183                            | Mambo               | Mambo     |
| 184                            | Meneito             | Meneito   |
| 185                            | Rumba 2             | Rumba2    |
| 186                            | Rumba 3             | Rumba3    |
| 187                            | Tikitikita          | Tikitkta  |
| 188                            | Lambada             | Lambada   |
| 189                            | Pop Cha Cha 1       | PChaCha1  |
| 190                            | Pop Cha Cha 2       | PChaCha2  |
| 191                            | Salsa 2             | Salsa2    |
| <b>WALTZ &amp; TRADITIONAL</b> |                     |           |
| 192                            | Waltz               | Waltz     |
| 193                            | Old Waltz           | OldWaltz  |
| 194                            | English Waltz       | EngWaltz  |
| 195                            | German Waltz        | GemWaltz  |
| 196                            | Italian Mazurka     | ItaMazuk  |
| 197                            | Mexico Waltz        | MexWaltz  |
| 198                            | Vienna Waltz        | VinaWltz  |
| 199                            | Slow Waltz 2        | SlwWltz2  |
| 200                            | Jazz Waltz          | JazzWltz  |
| 201                            | Polka               | Polka     |
| 202                            | 6/8 March           | 6/8March  |
| 203                            | German Polka        | GemPolka  |
| 204                            | Party Polka         | PtyPolka  |
| 205                            | Army March          | ArmMarch  |
| 206                            | March               | March     |
| 207                            | US March            | USMarch   |
| 208                            | Musette             | Musette   |
| 209                            | French Musette      | FMusette  |
| 210                            | Mazurka             | Mazurka   |
| <b>WORLD</b>                   |                     |           |
| 211                            | Enka Ballad         | EnkaBald  |

# Style List

|         |             |          |
|---------|-------------|----------|
| 212     | Laendler    | Laendler |
| 213     | Hawaiian    | Hawaiian |
| 214     | Sirtake     | Sirtake  |
| 215     | Dangdut     | Dangdut  |
| 216     | 6/8 Flipper | 6/8Flipp |
| 217     | New Age     | NewAge   |
| 218     | Tarantella  | Tarantel |
| 219     | Scottish    | Scottish |
| 220     | Norteno     | Norteno  |
| PIANIST |             |          |
| 221     | Pianist 1   | Pianist1 |
| 222     | Pianist 2   | Pianist2 |
| 223     | Pianist 3   | Pianist3 |
| 224     | Jazz 1      | Jazz1    |
| 225     | Jazz 2      | Jazz2    |
| 226     | Jazz Pub    | JazzPub  |
| 227     | Piano Rock  | PianoRk  |
| 228     | Pop Bossa   | PopBossa |
| 229     | March 1     | March1   |
| 230     | March 2     | March2   |
| 231     | Piano Beat  | PianoBt  |
| 232     | Piano Bar   | PianoBar |
| 233     | Blues       | Blues    |
| 234     | Pop Waltz   | PopWaltz |
| 235     | Slow Waltz  | SlowWltz |
| 236     | Ballad 1    | Ballad1  |
| 237     | Ballad 2    | Ballad2  |
| 238     | 6/8 Ballad  | 6/8Bald  |
| 239     | Pop 1       | Pop1     |
| 240     | Pop 2       | Pop2     |

# Song List

| No.                       | English Name                     | LCD Name  |
|---------------------------|----------------------------------|-----------|
| <b>FOLK &amp; COUNTRY</b> |                                  |           |
| 1                         | Toccata                          | Toccata   |
| 2                         | Carry Me Back To Old Virginny    | Virginny  |
| 3                         | El Condor Pasa                   | ElCondor  |
| 4                         | Wedding March                    | Wedding   |
| 5                         | Traumerei                        | Traumere  |
| 6                         | Greensleeves                     | Sleeves   |
| 7                         | Home Sweet Home                  | SwetHome  |
| 8                         | Aloha Oe                         | AlohaOe   |
| 9                         | Long Long Ago                    | LongAgo   |
| 10                        | Heidenroslein                    | Heidenro  |
| 11                        | Die Lorelei                      | Lorelei   |
| 12                        | My Darling Clementine            | Clemtine  |
| 13                        | Over The Waves                   | OverWave  |
| 14                        | Gwine To Run All Night           | Gwine     |
| 15                        | Oh! Susanna                      | Susanna   |
| 16                        | Turkey In The Straw              | TukyStaw  |
| 17                        | Symphony No.6 "Pathetic"         | Sympony6  |
| 18                        | Prelude Op.28 No.15              | Prelude   |
| 19                        | The House Of The Rising Sun      | RiseSun   |
| 20                        | My Old Kentucky Home             | Kentucky  |
| 21                        | Home On The Range                | HomeRnge  |
| 22                        | Her Bright Smile Haunts Me Still | HerSmile  |
| 23                        | The Blue-Bells Of Scotland       | BlueBell  |
| 24                        | Old Black Joe                    | BlackJoe  |
| 25                        | Old Dog Tray                     | DogTray   |
| 26                        | Menuet                           | Menuet    |
| <b>GOLDEN &amp; POP</b>   |                                  |           |
| 27                        | Valse Des Fleurs                 | Fleurs    |
| 28                        | Fruhlingstimmen                  | Fruhling  |
| 29                        | Frohlicher Landmann              | Landmann  |
| 30                        | Are You Lonesome Tonight?        | Lonesome  |
| 31                        | Toy Symphony                     | ToySymph  |
| 32                        | Auld Lang Syne                   | LangSyne  |
| 33                        | Ave Maria                        | AveMaria  |
| 34                        | Tales Of Hoffman                 | Hoffman   |
| 35                        | La Donne Mobile                  | DoneMble  |
| 36                        | Serenata                         | Serenata  |
| 37                        | Bridal March                     | Bridal    |
| 38                        | Ich Liebe Dich                   | LieDich   |
| 39                        | Chanson Du Toreador              | Toreador  |
| 40                        | Danny Boy                        | DannyBoy  |
| 41                        | Wiegenlied 2                     | Wieglied2 |
| 42                        | Spanish Serenade                 | Serenade  |
| 43                        | Piano Concerto                   | Concerto  |
| 44                        | Piano Concerto 2                 | Concrto2  |
| 45                        | Madame Butterfly                 | Madame    |
| 46                        | Invitation To The Dance          | ToDance   |
| 47                        | Wiegenlied 3                     | Wieglied3 |
| 48                        | My Bonnie                        | MyBonnie  |
| 49                        | Jingle Bells                     | JingBell  |
| 50                        | Joy To The World                 | JoyWorld  |
| 51                        | La Paloma                        | LaPaloma  |
| 52                        | La Cucaracha                     | Cucarach  |

|                  |                                             |          |
|------------------|---------------------------------------------|----------|
| 53               | La Reine De Saba                            | Saba     |
| 54               | Little Brown Jug                            | BrownJug |
| 55               | Battle Hymne Of The Republic                | BatlHyme |
| 56               | Yellow Rose Of Texas                        | YellRose |
| 57               | The Wabash Cannon Ball                      | CannBall |
| 58               | Turkish March                               | Turkish  |
| 59               | Annie Laurie                                | AnnieLa  |
| 60               | An Die Musik                                | Musik    |
| 61               | Lieder Ohne Worte Op.62 No.6                | Lieder   |
| 62               | Die Forelle                                 | Forelle  |
| 63               | Red River Valley                            | RedRiver |
| 64               | Symphony No. 94 "Suprise"                   | No. 94   |
| 65               | Polonaise                                   | Polonais |
| 66               | Rondeau                                     | Rondeau  |
| 67               | Moments Musicaux                            | Musicaux |
| 68               | Moldau                                      | Moldau   |
| 69               | Silent Night                                | SttNight |
| 70               | Dreaming Of Home And Mother                 | Dreaming |
| 71               | Summertime                                  | Summer   |
| 72               | Ring Ring De Banjo                          | DeBanjo  |
| 73               | Der Lindenbaum                              | DerLinde |
| 74               | Zigeunerweisen                              | Zigeuner |
| 75               | The Maiden's Prayer                         | Prayer   |
| 76               | Fur Elise                                   | FurElise |
| 77               | Der Freischutz                              | DerFreis |
| 78               | Maria! Mari!                                | Maria!   |
| 79               | Heidenroslein                               | Heidenro |
| 80               | Symphony No.5                               | Symphony |
| 81               | Anitra's Dance                              | Anitra   |
| 82               | Sadko-Chanson Indoue                        | Chanson  |
| 83               | Orpheus                                     | Orpheus  |
| 84               | William Tell Overture                       | Overture |
| <b>CLASSICAL</b> |                                             |          |
| 85               | Moon Light Sonata                           | Sonata   |
| 86               | A Lover'S Concerto                          | Concerto |
| 87               | Air For The G-String                        | G-String |
| 88               | An Der Shonen Blauen Donau                  | Donau    |
| 89               | Auf Flugeln Des Gesanges                    | Gesanges |
| 90               | Beautiful Dreamer                           | Dreamer  |
| 91               | Dance Des Mirlitons                         | Mirliton |
| 92               | Etude Op. 10 No. 3                          | Etude3   |
| 93               | Gavotte                                     | Gavotte  |
| 94               | Whispering hope                             | Whisper  |
| 95               | Hungarian Dances No. 5                      | Hungaian |
| 96               | From The New World                          | NewWorld |
| 97               | Serenata Rimpant                            | Serenata |
| 98               | Triumphal March                             | Trimphal |
| 99               | The Skaters Waltz                           | Skaters  |
| 100              | O Sole Mio                                  | OSoleMio |
| 101              | Jeanie With The Light Brown Hair            | Jeanie   |
| 102              | Waves Of The Danube                         | Danube   |
| 103              | Santa Lucia                                 | SantaLuc |
| 104              | Solveig's Song                              | Solveig  |
| 105              | Piano Sonatan No. 8 In C Minor (Pathetique) | Patheque |

# Song List

|       |                                                  |           |
|-------|--------------------------------------------------|-----------|
| 106   | Brahms Waltz                                     | BrmsWltz  |
| 107   | Aida                                             | Aida      |
| 108   | Carmen-Prelude                                   | Carmen    |
| 109   | L'Arlesienne                                     | L'Arlesi  |
| 110   | Ungarische Tanz                                  | Ungaris   |
| 111   | Mazurka                                          | Mazurka   |
| 112   | Pizzicato Polka                                  | Polka     |
| 113   | Menuett                                          | Menuett   |
| 114   | Rigoletto                                        | Rigoletto |
| 115   | Serenade                                         | Serenade  |
| 116   | Song Without Words                               | SongNoWd  |
| 117   | Swan                                             | Swan      |
| 118   | The Dying Swan                                   | DyingSw   |
| 119   | Swan Lake Valse                                  | SwnWalse  |
| 120   | The Happy Farmer                                 | HpFarmer  |
| 121   | The Sleeping Beauty                              | SleepBty  |
| 122   | La Traviata                                      | LaTravia  |
| 123   | Wiegenlied                                       | Wiegenli  |
| 124   | Mov. 2 Adagio Non Troppo Piano Sonata No. 9 In D | Sonata9   |
| 125   | Piano Sonata No. 11 In A                         | Sonata11  |
| 126   | Prelude In C                                     | Prelude   |
| 127   | Chinese Dance                                    | ChDance   |
| 128   | Emperor Waltz                                    | Emperor   |
| 129   | March Militaire                                  | Militair  |
| 130   | Symphony No. 40                                  | Symphony  |
| PIANO |                                                  |           |
| 131   | Hanon Piano Fingering 1                          | Hanon1    |
| 132   | Hanon Piano Fingering 2                          | Hanon2    |
| 133   | Hanon Piano Fingering 3                          | Hanon3    |
| 134   | Hanon Piano Fingering 4                          | Hanon4    |
| 135   | Hanon Piano Fingering 5                          | Hanon5    |
| 136   | Basic Tutorial Beyer Piano 12                    | Beyer12   |
| 137   | Basic Tutorial Beyer Piano 13                    | Beyer13   |
| 138   | Basic Tutorial Beyer Piano 14                    | Beyer14   |
| 139   | Basic Tutorial Beyer Piano 15                    | Beyer15   |
| 140   | Basic Tutorial Beyer Piano 18                    | Beyer18   |
| 141   | Cuckoo                                           | Cuckoo    |
| 142   | Basic Tutorial Beyer Piano 21                    | Beyer21   |
| 143   | Basic Tutorial Beyer Piano 29                    | Beyer29   |
| 144   | Butterfly                                        | Buterfly  |
| 145   | Basic Tutorial Beyer Piano 45                    | Beyer45   |
| 146   | Christmas Eve                                    | XmasEve   |
| 147   | Basic Tutorial Beyer Piano 50                    | Beyer50   |
| 148   | Basic Tutorial Beyer Piano 52                    | Beyer52   |
| 149   | Basic Tutorial Beyer Piano 55                    | Beyer55   |
| 150   | Basic Tutorial Beyer Piano 59                    | Beyer59   |
| 151   | Beyer Eight Degrees Jump Etude                   | BeyrJump  |
| 152   | Basic Tutorial Beyer Piano The Scale Of C Major  | BeyerC    |
| 153   | Basic Tutorial Beyer Piano 65                    | Beyer65   |
| 154   | Basic Tutorial Beyer Piano 66                    | Beyer66   |
| 155   | Old Folks At Home (Piano)                        | OldFolk2  |
| 156   | Basic Tutorial Beyer Piano The Scale Of G Major  | BeyerG    |
| 157   | Basic Tutorial Beyer Piano 70                    | Beyer70   |
| 158   | Basic Tutorial Beyer Piano 72                    | Beyer72   |
| 159   | Basic Tutorial Beyer Piano 73                    | Beyer73   |
| 160   | Basic Tutorial Beyer Piano 74                    | Beyer74   |

| No. | English Name | LCD Name |
|-----|--------------|----------|
| 1   | Demo         | Demo     |
| 2   | Bossa Nova   | BosaNova |
| 3   | Fusion       | Fusion   |
| 4   | Jazz         | Jazz     |
| 5   | Funk         | Funk     |
| 6   | Ballad       | Ballad   |
| 7   | Modern R&B   | ModrnR&B |
| 8   | Electric     | Electric |

# Album List

| No. | English Name                  | LCD Name |
|-----|-------------------------------|----------|
| 1   | 13 Jours en france            | 13France |
| 2   | A lover's concerto            | Concerto |
| 3   | A time for us                 | Timeus   |
| 4   | A whiter shade of pale        | WhtShade |
| 5   | Adios                         | Adios    |
| 6   | After you've gone             | U'veGone |
| 7   | Again                         | Again    |
| 8   | Agua de beber                 | AguaBebr |
| 9   | Air for the G-string          | G-String |
| 10  | All alone am I                | AloneAml |
| 11  | All his children              | Children |
| 12  | All shook up                  | ShookUp  |
| 13  | Aloha oe                      | AlohaOe  |
| 14  | Always in my heart            | MyHeart  |
| 15  | Amapola                       | Amapola  |
| 16  | Amazing grace                 | AmzGrace |
| 17  | Amor                          | Amor     |
| 18  | An der shonen blauen donau    | Donau    |
| 19  | Anastasia                     | Anastasi |
| 20  | Angel                         | Angel    |
| 21  | Angustia                      | Angustia |
| 22  | Annie laurie                  | AnnieLa  |
| 23  | Are you lonesome tonight?     | Lonesome |
| 24  | Arirang                       | Arirang  |
| 25  | Around the world              | AroWorld |
| 26  | Auf flugeln des gesanges      | Gesanges |
| 27  | Auld lang syne                | LangSyne |
| 28  | Ave maria                     | AveMaria |
| 29  | Bad moon rising               | BadMoon  |
| 30  | Battle hymne of the republic  | BatIHyme |
| 31  | Beautiful dreamer             | Dreamer  |
| 32  | Besame mucho                  | Besame   |
| 33  | Beyond the reef               | BeyndRef |
| 34  | Bibbidi bobbidi boo           | Bibbidi  |
| 35  | Bittersweet samba             | Bitsweet |
| 36  | Blue christmas                | BlueXmas |
| 37  | Blue tango                    | BluTango |
| 38  | Blueberry hill                | Bluberry |
| 39  | Born free                     | BornFree |
| 40  | Brazil                        | Brazil   |
| 41  | Breaking up is hard to do     | BreakUp  |
| 42  | Bridal march                  | Bridal   |
| 43  | Bridge over troubled water    | Bridge   |
| 44  | Bus stop                      | BusStop  |
| 45  | Buttons and bows              | BottnBow |
| 46  | Cachito                       | Cachito  |
| 47  | Canadian sunset               | CaSunset |
| 48  | Can't help fallin' in love    | InLove   |
| 49  | Carry me back to old virginny | Virginny |
| 50  | Chanson D'amour               | Chanson  |
| 51  | Chanson du toreador           | Toreador |
| 52  | Charade                       | Charade  |
| 53  | Chattanooga shoe shine boy    | ShoeBoy  |
| 54  | Cielito lindo                 | CleLindo |
| 55  | Close to you                  | CloseYou |

|     |                                  |          |
|-----|----------------------------------|----------|
| 56  | Constantly                       | Constant |
| 57  | Cryin' in the chapel             | CryChapl |
| 58  | Dance des mirlitons              | Mirliton |
| 59  | Danny boy                        | DannyBoy |
| 60  | Dark eyes                        | DarkEyes |
| 61  | Diana                            | Diana    |
| 62  | Die lorelei                      | Lorelei  |
| 63  | Do re mi                         | DoReMi   |
| 64  | Dominique                        | Dominiqu |
| 65  | Dream                            | Dream    |
| 66  | Dream tango                      | DremTngo |
| 67  | Ebb tide                         | EbbTide  |
| 68  | Edelweiss                        | Edelweis |
| 69  | El bimbo                         | ElBimbo  |
| 70  | El condor pasa                   | ElCondor |
| 71  | Eso es el amor                   | EsAmor   |
| 72  | Esperanza                        | Esperanz |
| 73  | Etude op.10 no.3                 | Etude3   |
| 74  | Fascination                      | Fascina  |
| 75  | Feelings                         | Feelings |
| 76  | Five hundred miles               | 500Miles |
| 77  | Five minutes more                | FiveMore |
| 78  | Fly me to the moon               | FlyMoon  |
| 79  | For ever we konw                 | WeKnow   |
| 80  | For the good times               | GoodTime |
| 81  | Frohlicher landmann              | Landmann |
| 82  | Fruhlingsstimmen                 | Fruhling |
| 83  | Gavotte                          | Gavotte  |
| 84  | Green fields                     | Fields   |
| 85  | Green grass of home              | GreenGrs |
| 86  | Greensleeves                     | Sleeves  |
| 87  | Gwine to run all night           | Gwine    |
| 88  | Gypsy moon                       | GypsMoom |
| 89  | Happy birthday to you            | Birthday |
| 90  | Harbour light                    | Harbour  |
| 91  | Harlem nocturne                  | Harlem   |
| 92  | Hasta manana                     | HasMana  |
| 93  | Heidenroslein                    | Heidenro |
| 94  | Her bright smile haunts me still | HerSmile |
| 95  | Hernando's hideaway              | Hideaway |
| 96  | Hey jude                         | HeyJude  |
| 97  | Historia de un amor              | Historia |
| 98  | Home on the range                | HomeRnge |
| 99  | Home sweet home                  | SwetHome |
| 100 | Hound dog                        | HoundDog |
| 101 | How deep is your love            | DeepLove |
| 102 | Hungarian dances no.5            | Hungaian |
| 103 | Hurry sundown                    | Sundown  |
| 104 | Hymne a l'amour                  | L'amour  |
| 105 | I don't hurt any more            | HurtMore |
| 106 | I kiss your little hand madame   | kissyour |
| 107 | I love you much too much         | LoveYou  |
| 108 | I need you now                   | INeedYou |
| 109 | I really don't want to know      | DontKnow |
| 110 | I went to your wedding           | UrWeding |
| 111 | If                               | If       |

|     |                                    |          |
|-----|------------------------------------|----------|
| 112 | If I can dream                     | IfDream  |
| 113 | If I give my heart to you          | HeartYou |
| 114 | In the mood                        | InMood   |
| 115 | It's almost tomorrow               | Tomorrow |
| 116 | It's been a long long time         | LongTime |
| 117 | Jambalaya                          | Jambalay |
| 118 | Jazz'n' samba                      | JazSamba |
| 119 | Jeanie with the light brown hair   | Jeanie   |
| 120 | Jingle bells                       | JingBell |
| 121 | Johnny B. Goode                    | B.Goode  |
| 122 | Joy to the world                   | JoyWorld |
| 123 | Jungle drums                       | JungleDm |
| 124 | Kaiser walzer                      | Kaiser   |
| 125 | Keep searchin'                     | Searchin |
| 126 | Killing me softly with his song    | HisSong  |
| 127 | Kiss                               | Kiss     |
| 128 | Kiss of fire                       | KissFire |
| 129 | La chanson D'orpee                 | D'Orpee  |
| 130 | La contessa scalza                 | Scalza   |
| 131 | La cucaracha                       | Cucarach |
| 132 | La donne mobile                    | DoneMble |
| 133 | La mer                             | LaMer    |
| 134 | La novia                           | LaNovia  |
| 135 | La paloma                          | LaPaloma |
| 136 | La playa                           | LaPlaya  |
| 137 | La ragazza di bube                 | Bube     |
| 138 | La reine de saba                   | Saba     |
| 139 | L'amour est blue                   | L'amour  |
| 140 | Lara's theme from "Doctor zhivago" | Zhivago  |
| 141 | Last waltz                         | LastWltz |
| 142 | Les feuilles mortes                | Feuilles |
| 143 | Let's get together                 | Together |
| 144 | Little brown jug                   | BrownJug |
| 145 | Long long ago                      | LongAgo  |
| 146 | Love is a many-splendored thing    | SplndLov |
| 147 | Love me with all your heart        | AllHeart |
| 148 | Love story                         | LovStory |
| 149 | Lullaby of birdland                | Birdland |
| 150 | Mama inez                          | MamaInez |
| 151 | Mambo No. 5                        | MamboNo5 |
| 152 | Mambo No. 8                        | MamboNo8 |
| 153 | March militaire                    | Militair |
| 154 | Maria elena                        | MriaElna |
| 155 | Maria my own                       | Maria    |
| 156 | Massachusetts                      | Maschuse |
| 157 | Menuet                             | Menuet   |
| 158 | Miami beach rumba                  | MamiRmba |
| 159 | Misty                              | Misty    |
| 160 | Mockin'bird hill                   | BirdHill |
| 161 | Moliendo Coffee                    | Coffee   |
| 162 | Moody river                        | ModyRivr |
| 163 | Moon river                         | MoonRivr |
| 164 | Moonlight serenade                 | Moonligt |
| 165 | More                               | More     |
| 166 | Moscow nights                      | Moscow   |
| 167 | Moulin rouge                       | MoulinRg |

|     |                                    |            |
|-----|------------------------------------|------------|
| 168 | Mr.lonely                          | MrLonely   |
| 169 | My bonnie                          | MyBonnie   |
| 170 | My darling clementine              | Clementine |
| 171 | My old kentucky home               | Kentucky   |
| 172 | My shawl                           | MyShawl    |
| 173 | My way                             | MyWay      |
| 174 | Nature boy                         | NaturBoy   |
| 175 | Never on sunday                    | NeverSun   |
| 176 | New world                          | NewWorld   |
| 177 | Night fall                         | NigtFall   |
| 178 | Nobody knows the trouble I've seen | Nobody     |
| 179 | Noche de tokyo                     | Tokyo      |
| 180 | Nocturne                           | Nocturne   |
| 181 | O sole mio                         | OSoleMio   |
| 182 | Oh bury me not on the lone prairie | Prairie    |
| 183 | Oh! Carol                          | Oh!Carol   |
| 184 | Oh! Susanna                        | Susanna    |
| 185 | Oh! what a beautiful morning       | OMorning   |
| 186 | Old black joe                      | BlackJoe   |
| 187 | Old dog tray                       | DogTray    |
| 188 | Old folks at home                  | OldFolks   |
| 189 | On a little bamboo bridge          | BambooBg   |
| 190 | On a tropic night                  | TrpicNgt   |
| 191 | On london bridge                   | OnBridge   |
| 192 | On the beach at bali-bali          | BaliBali   |
| 193 | One way ticket to the blues        | OWTickts   |
| 194 | Only you                           | OnlyYou    |
| 195 | Over the rainbow                   | Rainbow    |
| 196 | Over the waves                     | OverWave   |
| 197 | Par un beau matin d'ete            | BeauMatn   |
| 198 | Patricia                           | Patricia   |
| 199 | Penelope                           | Penelope   |
| 200 | Perfidia                           | Perfidia   |
| 201 | Petite fleur                       | Fleur      |
| 202 | Piacer d'amor                      | Piacer     |
| 203 | Pizzicato polka                    | PizzPoka   |
| 204 | Pretend                            | Pretend    |
| 205 | Proud mary                         | ProdMary   |
| 206 | Quien sera                         | QuieSera   |
| 207 | Quizas Quizas Quizas               | Quizas     |
| 208 | Raindrops keep fallin' on my head  | Raindrop   |
| 209 | Ramona                             | Ramona     |
| 210 | Red river valley                   | RedRiver   |
| 211 | Rhythm of the rain                 | RhymRain   |
| 212 | Rock around the clock              | Rock       |
| 213 | Romance de l'amour                 | Romance    |
| 214 | Royal garden blues                 | RoyalBlu   |
| 215 | Sail along silv'ry moon            | SilyMoon   |
| 216 | Sailing                            | Sailing    |
| 217 | San Francisco                      | Francico   |
| 218 | Sans toi mamie                     | ToiMami    |
| 219 | Santa claus is comin' to town      | SantClau   |
| 220 | Santa lucia                        | SantaLuc   |
| 221 | Scarborough fair                   | Scarboro   |
| 222 | Sealed with a kiss                 | Sealed     |
| 223 | Sentimental journey                | Journey    |

# Album List

|     |                                            |          |
|-----|--------------------------------------------|----------|
| 224 | Serenade                                   | Serenade |
| 225 | Serenata rimpiant                          | Serenata |
| 226 | Siboney                                    | Siboney  |
| 227 | Silent night                               | SltNight |
| 228 | Singin' in the rain                        | SingRain |
| 229 | Sleepy Lagoon                              | Lagoon   |
| 230 | Sloop John B                               | JohnB    |
| 231 | Smoke gets in your eyes                    | SmokeEye |
| 232 | So nice                                    | SoNice   |
| 233 | Solamente una ves                          | Salament |
| 234 | Somebody bad stole de wedding bell         | StoleBel |
| 235 | Songs of spring                            | SngSprig |
| 236 | Speak softly love                          | SoftLove |
| 237 | ST. Louis blues                            | ST.Louis |
| 238 | Stranger in paradise                       | Paradise |
| 239 | Strangers in the night                     | Stranger |
| 240 | Summer holiday                             | Holiday  |
| 241 | Summertime                                 | Summer   |
| 242 | Summertime in venice                       | Venice   |
| 243 | Sunrise sunset                             | Sunrise  |
| 244 | Superstar                                  | Superstr |
| 245 | Sweet and gentle                           | SwetGtle |
| 246 | Taboo                                      | Taboo    |
| 247 | Take me home country roads                 | CntyRoad |
| 248 | Tales of hoffman                           | Hoffman  |
| 249 | Tammy                                      | Tammy    |
| 250 | Tango notturno                             | TangoNot |
| 251 | Tennessee waltz                            | Tennesse |
| 252 | The blue-bells of scotland                 | BlueBell |
| 253 | The breeze and I                           | Breeze&I |
| 254 | The dying swan                             | DyingSwn |
| 255 | The end of the world                       | EndWorld |
| 256 | The exodus song                            | Exodus   |
| 257 | The eyes of love                           | EyesLove |
| 258 | The girl from ipanema                      | Ipanema  |
| 259 | The great pretender                        | Pretend  |
| 260 | The house of the rising sun                | RiseSun  |
| 261 | The impossible dream                       | ImDream  |
| 262 | The loco-motion                            | TheLoco  |
| 263 | The longest day                            | Longest  |
| 264 | The peanut vendor                          | Vendor   |
| 265 | The river of no return                     | NoReturn |
| 266 | The shadow of your smile                   | UrSmile  |
| 267 | The skaters waltz                          | Skaters  |
| 268 | The sound of silence                       | Silence  |
| 269 | The wabash cannon ball                     | CannBall |
| 270 | The way we were                            | TheWay   |
| 271 | This land is your land                     | YourLand |
| 272 | Those were the days                        | TheDays  |
| 273 | Three coins in the fountain                | Fountain |
| 274 | Tico-tico                                  | TicoTico |
| 275 | Tie a yellow ribbon'round the ole oak tree | YeRibbon |
| 276 | To love again                              | LovAgain |
| 277 | Toccata                                    | Toccata  |
| 278 | Tom dooley                                 | TomDoley |
| 279 | Tombe la neige                             | LaNeige  |

|     |                                  |           |
|-----|----------------------------------|-----------|
| 280 | Top of the world                 | TopWorld  |
| 281 | Toy symphony                     | ToySymph  |
| 282 | Traumerei                        | Traumere  |
| 283 | Triumphal march                  | Trimphal  |
| 284 | Tu ne sais pas aimer             | TuAimer   |
| 285 | Turkey in the straw              | TukyStaw  |
| 286 | Un buco nella sabbia             | Sabbia    |
| 287 | Una lacrima sul viso             | Lacrima   |
| 288 | Unchained melody                 | Melody    |
| 289 | Valse des fleurs                 | Fleurs    |
| 290 | Vaya con dios                    | VayaDios  |
| 291 | Venus                            | Venus     |
| 292 | Washington square                | Washtonon |
| 293 | Waves of the danube              | Danube    |
| 294 | Wedding march                    | Wedding   |
| 295 | When you and I were young maggie | YoungMag  |
| 296 | Where the boys are               | WhereBoy  |
| 297 | Whispering hope                  | Whisper   |
| 298 | Wiegenlied                       | Wieglied  |
| 299 | Wiegenlied 2                     | Wieglied2 |
| 300 | Without you                      | WithoutU  |
| 301 | Wonderland by night              | WonNight  |
| 302 | Words                            | Words     |
| 303 | Y.M.C.A.                         | Y.M.C.A.  |
| 304 | Yellow rose of texas             | YellRose  |
| 305 | Yesterday                        | Yestday   |
| 306 | Yesterday once more              | OnceMore  |
| 307 | You always hurt the one you love | HurtLove  |
| 308 | You are my sunshine              | Sunshine  |
| 309 | You mean everything to me        | MeanToMe  |
| 310 | Your love is mine                | LoveMine  |

# MIDI Implementation Chart

| Function                                                                                                                                     |               | Transmitted    | Recognized                 | Remarks               |
|----------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------------|----------------------------|-----------------------|
| Basic Channel                                                                                                                                | Default       | 1ch            | 1-16ch                     |                       |
|                                                                                                                                              | Changed       | 1-16ch         | 1-16ch                     |                       |
| Mode                                                                                                                                         | Default       | ×              | 3                          |                       |
|                                                                                                                                              | Messages      | ×              | ×                          |                       |
|                                                                                                                                              | Altered       | *****          | ×                          |                       |
| Note Number                                                                                                                                  | Note          | 0—127          | 0—127                      |                       |
|                                                                                                                                              | :True voice   | *****          | 0—127                      |                       |
| Velocity                                                                                                                                     | Note on       | ○ 9nH, V=1-127 | ○ 9nH, V=1-127             |                       |
|                                                                                                                                              | Note off      | × (9nH, V=0)   | ○ (9nH, V=0; 8nH, V=0-127) |                       |
| After Touch                                                                                                                                  | key's         | ×              | ×                          |                       |
|                                                                                                                                              | Ch's          | ×              | ×                          |                       |
| Pitch Bend                                                                                                                                   |               | ×              | ○                          |                       |
| Control Change                                                                                                                               | 0             | ○              | ○                          | Bank Select           |
|                                                                                                                                              | 1             | ○              | ○                          | Modulation            |
|                                                                                                                                              | 5             | ×              | ○                          | Portamento Time       |
|                                                                                                                                              | 6             | ○              | ○                          | Data Entry            |
|                                                                                                                                              | 7             | ○              | ○                          | Volume                |
|                                                                                                                                              | 10            | ×              | ○                          | Pan                   |
|                                                                                                                                              | 11            | ×              | ○                          | Expression            |
|                                                                                                                                              | 64            | ○              | ○                          | Sustain Pedal         |
|                                                                                                                                              | 65            | ×              | ○                          | Portamento ON/OFF     |
|                                                                                                                                              | 66            | ○              | ○                          | Sostenuto Pedal       |
|                                                                                                                                              | 67            | ○              | ○                          | Soft Pedal            |
|                                                                                                                                              | 80            | ×              | ○                          | Reverb Program        |
|                                                                                                                                              | 81            | ×              | ○                          | Chorus Program        |
|                                                                                                                                              | 91            | ○              | ○                          | Reverb Level          |
|                                                                                                                                              | 93            | ○              | ○                          | Chorus Level          |
|                                                                                                                                              | 120           | ○              | ○                          | All Sound Off         |
|                                                                                                                                              | 121           | ×              | ×                          | Reset All Controllers |
|                                                                                                                                              | 123           | ○              | ○                          | All Notes Off         |
| Program Change                                                                                                                               |               | ○              | ○                          |                       |
|                                                                                                                                              | :true         | *****          | 0—127                      |                       |
| System Exclusive                                                                                                                             |               | ×              | ○                          |                       |
| System Common                                                                                                                                | :SongPosition | ×              | ×                          |                       |
|                                                                                                                                              | :Song Select  | ×              | ×                          |                       |
|                                                                                                                                              | :Tune         | ×              | ×                          |                       |
| System Real Time                                                                                                                             | :Clock        | ○              | ×                          |                       |
|                                                                                                                                              | :Commands     | ×*1            | ×                          |                       |
| Aux Messages                                                                                                                                 | :LOCAL ON/OFF | ×              | ×                          |                       |
|                                                                                                                                              | :Active sense | ×              | ○                          |                       |
|                                                                                                                                              | :Reset        | ×              | ×                          |                       |
| Notes: *1<br>When the accompaniment is started, an FAH message is transmitted. When accompaniment is stopped, an FCH message is transmitted. |               |                |                            |                       |

- Mode 1: OMNI ON, POLY
- Mode 2: OMNI ON MONO

- Mode 3: OMNI OFF, POLY
- Mode 4: OMNI OFF, MONO

- ×: NO
- : YES

