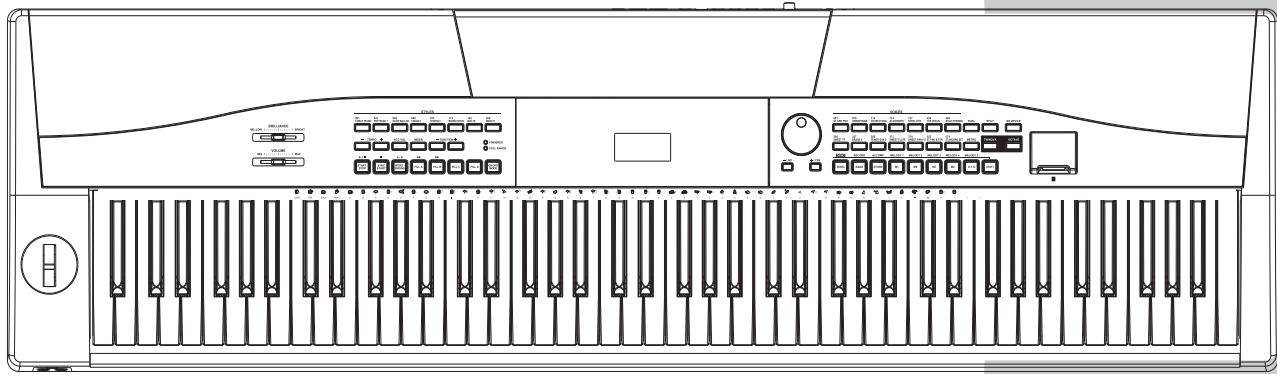


# STAGE PIANO



## Owner's Manual

GENERAL  
**MIDI**

# 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 AC 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 AC 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, unplug the AC adaptor from the wall outlet. Then have the instrument inspected by qualified service personnel.

Disconnect all cables before moving the instrument.

# Contents

## Panel & Display Description

|                  |   |
|------------------|---|
| Front Panel..... | 4 |
| LCD.....         | 4 |
| Rear Panel.....  | 5 |

## Setup

|                                 |   |
|---------------------------------|---|
| Power Jack.....                 | 6 |
| Setting a Music Stand.....      | 6 |
| Connecting a Unit Pedal.....    | 6 |
| Connecting an Assign Pedal..... | 6 |

## Connections

|                                      |   |
|--------------------------------------|---|
| Connecting a pair of Headphones..... | 7 |
| Connecting an Audio Equipment.....   | 7 |
| Connecting an MP3/CD Player.....     | 7 |
| Connecting a Computer.....           | 7 |

|   |          |
|---|----------|
| <b>Adjusting the Master Volume.....</b> | <b>8</b> |
|---|----------|

|  |          |
|--|----------|
| <b>Adjusting the Voice Brilliance.....</b> | <b>8</b> |
|--|----------|

|                                   |          |
|-----------------------------------|----------|
| <b>Playing the Demo Song.....</b> | <b>8</b> |
|-----------------------------------|----------|

## Playing Voices

|  |    |
|--|----|
| Playing Voices.....                                | 9  |
| Playing two voices simultaneously-DUAL.....        | 9  |
| Playing Different Voices with Both hands-LOWER...9 |    |
| Pitch Bend/Modulation effect.....                  | 10 |

|                     |           |
|---------------------|-----------|
| <b>Twinova.....</b> | <b>11</b> |
|---------------------|-----------|

## Auto Accompaniment

|   |    |
|---|----|
| Play Auto Accompaniment(rhythm track only)..... | 11 |
| Play Auto Accompaniment(all tracks).....        | 12 |
| Accompaniment Sections.....                     | 12 |
| Playing Different Accompaniment Sections.....   | 13 |
| Accompaniment Volume.....                       | 13 |
| Chord Fingering.....                            | 13 |
| Tempo.....                                      | 15 |
| One Touch Setting.....                          | 15 |
| Metronome.....                                  | 15 |

|                   |           |
|-------------------|-----------|
| <b>Mixer.....</b> | <b>16</b> |
|-------------------|-----------|

|                            |           |
|----------------------------|-----------|
| <b>Pedal Function.....</b> | <b>17</b> |
|----------------------------|-----------|

## Other Functions

|                  |    |
|------------------|----|
| Tune.....        | 18 |
| Transpose.....   | 18 |
| KeySplit.....    | 19 |
| Beat Type.....   | 19 |
| Beat Volume..... | 19 |

|                     |    |
|---------------------|----|
| Pedal Type.....     | 19 |
| Harmony Type.....   | 20 |
| Harmony Switch..... | 20 |
| MIDI IN.....        | 20 |
| MIDI OUT.....       | 21 |
| DSP effect.....     | 21 |
| Touch.....          | 21 |
| Language.....       | 21 |
| PowerOff.....       | 21 |

## Register Memory

|  |    |
|--|----|
| Registering the Panel Setting.....           | 22 |
| Recalling the Registered Panel Settings..... | 22 |
| Selecting a Registration Bank.....           | 22 |

## Song Recording

|                         |    |
|-------------------------|----|
| Start Recording.....    | 23 |
| Stop Recording.....     | 24 |
| Playback Recording..... | 24 |
| Delete User Song.....   | 24 |

## Song

|                             |    |
|-----------------------------|----|
| Listening to the songs..... | 25 |
| Song Control.....           | 25 |

|                                     |           |
|-------------------------------------|-----------|
| <b>Restore Factory Setting.....</b> | <b>25</b> |
|-------------------------------------|-----------|

## Connecting an SD Device

|  |    |
|--|----|
| SD Device Operation.....                         | 26 |
| Play.....  | 26 |
| Load.....  | 27 |
| Save.....  | 27 |
| Delete.....                                      | 28 |
| Format.....                                      | 28 |
| Keyboard and ASCII Character Relative Table..... | 28 |

## MIDI

|   |    |
|---|----|
| What's MIDI?.....                       | 29 |
| MIDI Terminals.....                     | 29 |
| Downloading Data from the Computer..... | 29 |

|                             |           |
|-----------------------------|-----------|
| <b>Troubleshooting.....</b> | <b>30</b> |
|-----------------------------|-----------|

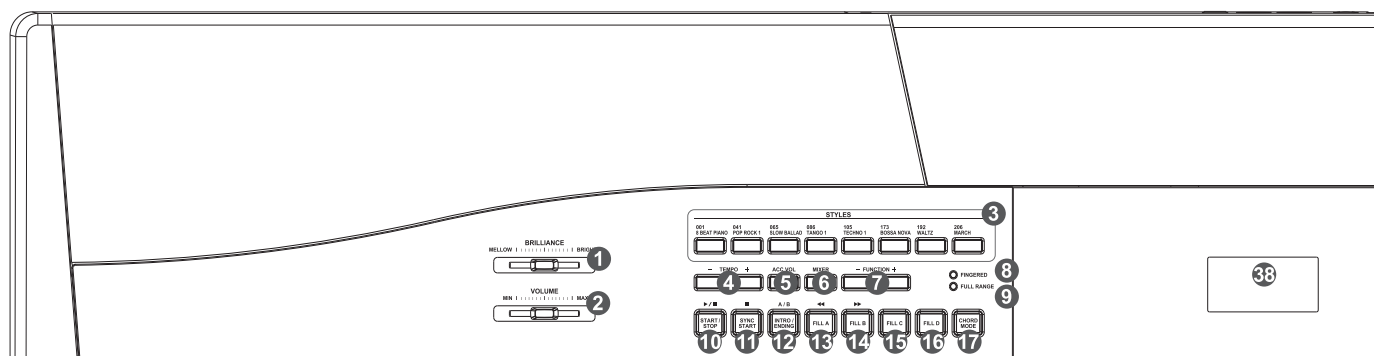
|                            |           |
|----------------------------|-----------|
| <b>Specifications.....</b> | <b>30</b> |
|----------------------------|-----------|

## Appendices

|                                |    |
|--------------------------------|----|
| Voice List.....                | 31 |
| Style List.....                | 35 |
| Song List.....                 | 37 |
| Chord List.....                | 39 |
| MIDI Implementation Chart..... | 40 |

# Panel & Display Description

## Front Panel



1. **[BRILLIANCE] Slider**  
Adjust voice brilliance

2. **[VOLUME] Slider**  
Adjust master volume

**When [SHIFT] button pressed**  
3. **Style button**  
Enter the style mode

**When [SHIFT] button released**  
3. **Style direct button**  
Select a direct style

4. **[TEMPO+/-] button**  
Adjust the current tempo

5. **[ACC VOL] button**  
Adjust ACCOMP volume

6. **[MIXER] button**  
Enter mixer menu

7. **[FUNCTION+/-] button**  
Enter function menu

8. **A.B.C. MODE lamp**  
Indicate A.B.C. mode status:  
open or closed

9. **FULL RANGE MODE lamp**  
Indicate full range mode status:  
open or closed

### STYLE MODE :

10. **[START/STOP] button**  
Start or stop playing the style

11. **[SYNC START] button**  
Turn the Sync Start on and off

12. **[INTRO/ENDING] button**  
Play the Intro or Ending

13. **[FILL A] button**  
A Fill-in A plays

14. **[FILL B] button**  
A Fill-in B plays

15. **[FILL C] button**  
A Fill-in C plays

16. **[FILL D] button**  
A Fill-in D plays

17. **[CHORD MODE] button**  
Choose chord mode

### SONG MODE:

10. **[START/STOP] button**  
Start or stop playing the song

11. **[PAUSE] button**  
Pause the playing song or start it

12. **[REPEAT A/B] button**  
Set the location of loop begin and loop end to the current song

13. **[REW] button**  
Rewind the song

14. **[FF] button**  
Fast forward the song

38. **LCD**  
Show all important settings for the instrument

39. **PITCH BEND / MODULATION Joystick**  
Add a vibrato effect or bend note up or down

40. **PHONE 1**

41. **PHONE 2**  
Please refer to Connecting a pair of Headphones

## LCD

### 1. Chord display area

Display chord information

### 2. Instant message area

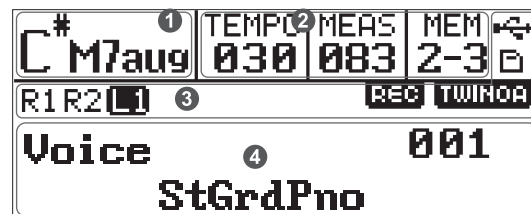
Display the current tempo, measure, memory/O.T.S. setting.

### 3. Status display area

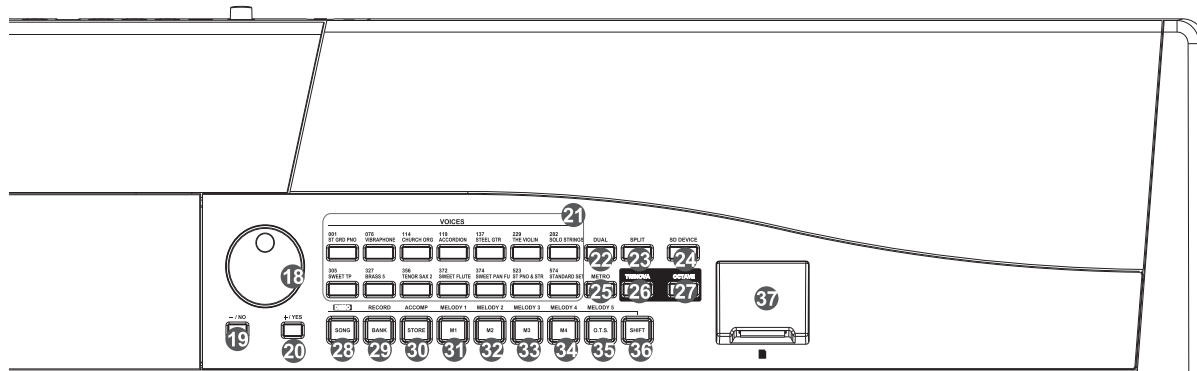
Display the status of function, SD card, USB, etc.

### 4. System message display area

Display the corresponding messages to different status.  
For example, in voice status, it displays the selected voice.



## Panel & Display Description



- 18. Data dial**  
Increase and decrease the value
- 19. [- / NO] button**  
Decrease the value
- 20. [+ / YES] button**  
Increase the value
- 22. [DUAL] button**  
Turn the Voice R2 on and off
- 23. [LOWER] button**  
Turn the Voice L1 on and off
- 24. [SD DEVICE] button**  
Enter SD menu
- 25. [METRO] button**  
Turn the metronome on and off
- 26. [TWINOVA] button**  
Turn the TWINOVA on and off
- 27. [OCTAVE] button**  
Set octave in TWINOVA mode

**When [SHIFT] button pressed**  
**21. [VOICE] button**  
Enter the voice mode

**28. [DEMO] button**  
Enter demo mode and play demo songs

**29. [RECORD] button**  
Enter record mode

**30. [ACCOMP] button**  
Select the accomp track to record

**31~35. MELODY 1-5 button**  
Select the melody 1-5 track to record

**36. [SHIFT] button**  
Select the second function of some buttons

**37. SD card socket**  
To insert a SD card

**When [SHIFT] button released**  
**21. Voice direct button**  
Select a direct voice

**28. [SONG] button**  
Enter song mode and play songs

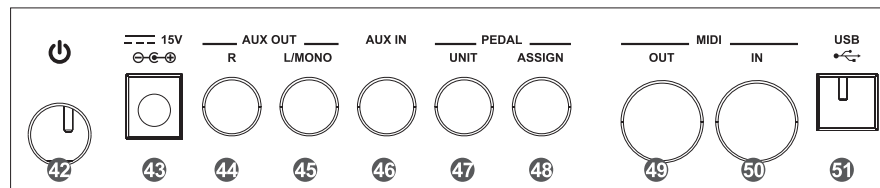
**29. [BANK] button**  
Select a bank to store settings

**30. [STORE] button**  
Register the current panel settings

**31~34. M1~M4 button**  
Recall the registered panel settings

**35. [O.T.S] button**  
Turn one touch setting on and off

## Rear Panel



**42. POWER SWITCH**  
Press to turn the power on(⏻) and off(⏻)

**43. DC IN**  
Connect AC power adaptor

**44~45. AUX. OUT**  
Connect the audio equipment

**46. AUX. IN**  
Connect an external sound source, such as an MP3 or CD player.

**47. UNIT PEDAL**  
Connect the unit pedal

**48. ASSIGN PEDAL**  
Connect the assign pedal

**49. MIDI OUT**  
Connect the MIDI IN of other Device to the MIDI OUT jack on the rear panel

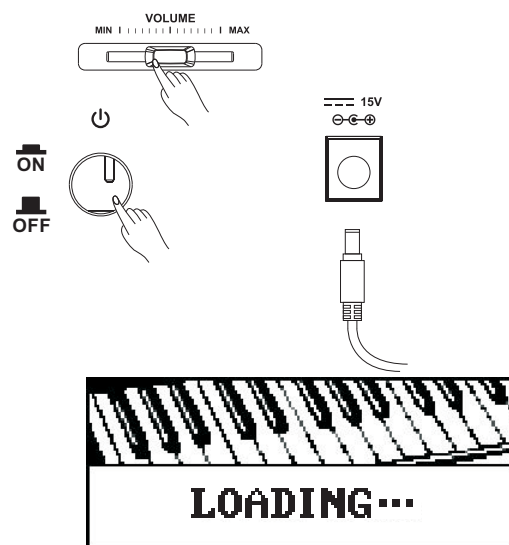
**50. MIDI IN**  
Connect the MIDI OUT of other Device to the MIDI IN jack on the rear panel

**51. USB JACK**  
Connect to a computer

# Setup

## Power Jack

1. Make sure that the piano is turned off (■). Before you switch your piano on, turn down the volume of piano and the connected audio equipment first.
2. Connect the AC adaptor to the power supply jack of this piano.
3. Plug the AC adaptor into an AC outlet.
4. Press the POWER SWITCH, the LCD will display “LOADING...”, which indicates the piano has powered on.
5. If you want to switch off the piano, press the POWER SWITCH again.



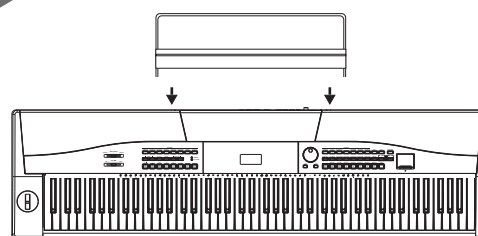
### Notes:

1. In the idle mode, the piano will automatically shutdown in 30 minutes if you do not take any action on the piano.
2. When the keyboard is not in use or during thunderstorm, please disconnect the power for safety purpose.

## Setting a Music Stand

The piano is supplied with a music stand that can be attached to the instrument by inserting it into the grooves at the rear of the control panel.

Please set up the music stand as shown on the right:



## Connecting a Unit Pedal

After connecting a unit pedal to the unit pedal jack on the rear panel, the piano will have three pedals with different functions: Sustain, Sostenuto, Soft.

### SUSTAIN Pedal

Step on the sustain pedal, all notes played on the keyboard would have a longer sustain.

### SOSTENUTO Pedal

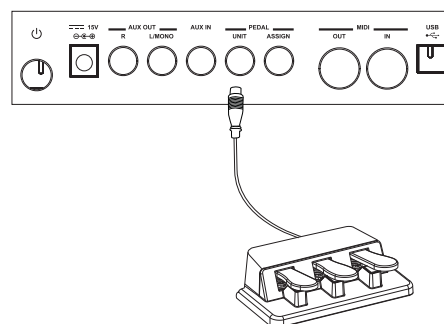
Step on the sostenuto pedal, the notes played before you step on the pedal would have a sustain effect.

### SOFT Pedal

Step on the soft pedal, all notes played on the keyboard would have a softer effect.

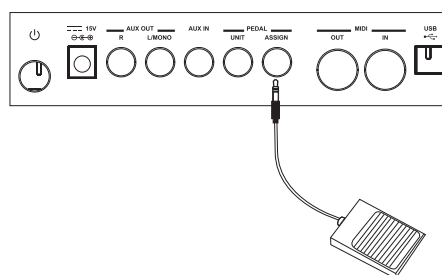
### Note:

The unit pedal needs to be purchased separately.



## Connecting an Assign Pedal

After connecting an assign pedal to the assign pedal jack on the rear panel, you can set the pedal type as sustain pedal, soft pedal, start/stop pedal or memory select pedal in pedal function settings.



# Connections

## Connecting a pair of Headphones

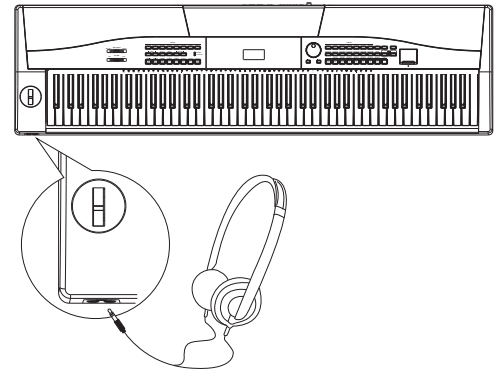
A standard pair of stereo headphones can be plugged in here for private practice or late-night playing.

**Jack1:** When a pair of headphones is plugged into the jack 1, the sound can be heard from both headphones and speakers of the instrument.

**Jack2:** When a pair of headphones is plugged into the jack 2, the internal stereo speaker system is automatically shut off. The sound can only be heard from headphones.

**Note:**

To avoid the risk of hearing loss when using headphones, please do not play the piano with a high volume level for a long time.

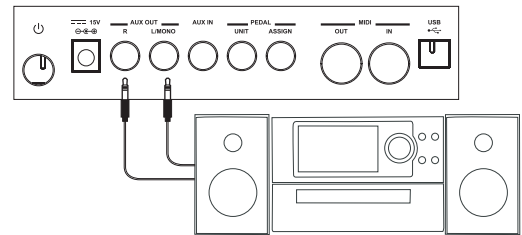


## Connecting an Audio Equipment

The rear-panel AUX. OUT jack delivers the output of the instrument for connection to a keyboard amplifier, stereo sound system, a mixing console, or tape recorder. Use an audio cord to plug into the AUX. OUT jack located on the rear panel then plug the other end of the cord into AUX. IN of the amplifier.

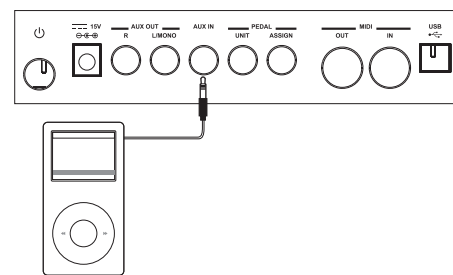
**Note:**

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



## Connecting an MP3/CD Player

Connect the audio output of an MP3/CD player or other audio source to the stereo AUX.IN jack on the rear panel. The input signal is mixed with the piano signal, allowing you to play along.



## Connecting a Computer

**Via the USB Connector**

This receives and transmits MIDI messages.

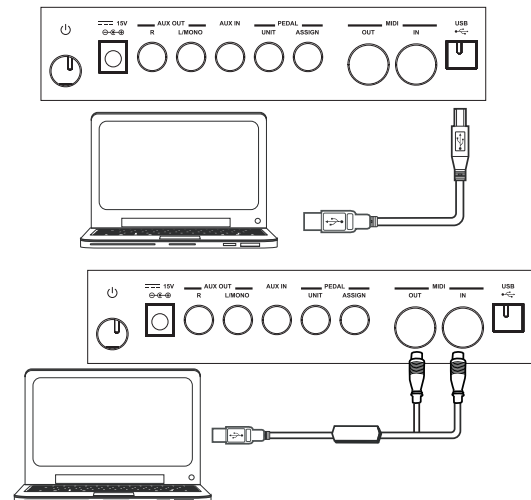
**Via the MIDI Connectors**

**MIDI IN Connector**

This receives MIDI messages transmitted from an external MIDI device or a computer.

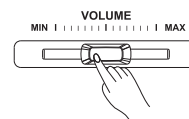
**MIDI OUT Connector**

Piano performance data is transmitted from this connector to connected computer or MIDI device.



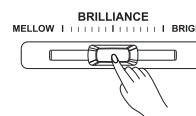
# Adjusting the Master Volume

Slide the [VOLUME] slider to right, the volume increases and vice versa.



# Adjusting the Voice Brilliance

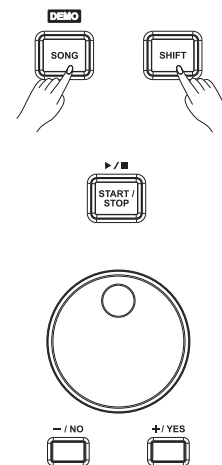
Slide the [BRILLIANCE] slider to right, the voice sounds brighter and vice versa. You can change the piano brilliance as you wish.



# Playing the Demo Song

The instrument features 5 wonderful demos. Please refer to Demo List.

1. Holding down [SHIFT] button, then press the [DEMO] button to start demo song playing, and the LCD will display the number and name of demo.
2. Beat Tips  
In demo song playing status, the two-color LED of [START/STOP] button will be flashing with the song rhythm and tempo.
3. You can use the data dial, the [+ / YES] / [- / NO] button to select a demo song.
4. Press the [START/STOP] button to stop playing. Holding down [SHIFT] button, then press the [demo] button to exit demo mode.



## Note:

1. In the demo status, all the demo songs will loop playing. And all buttons and keys are unavailable except [DEMO], [START/STOP], [TEMPO+/-], [+ / YES], [- / NO] button, data dial, [VOLUME] slider and POWER SWITCH.
2. In the recording, style or song playing status, the two-color LED of the [START/STOP] button will also be flashing with the rhythm and tempo. The red color indicates strong beat, and the green color means weak beat.



# Playing Voices

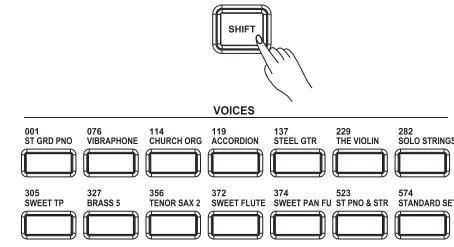
The instrument features 583 exceptionally realistic voices. 10 group of percussion voices. Please refer to Voices List.

## Playing Voices

1. In idle mode, holding down [SHIFT] button, and then press one of the voice direct button to enter the voice mode. LCD will display the current voice name and number and highlights "R1".
2. Use the data dial, [+ / YES] / [- / NO] button to select a voice you want to play. You can also use the voice direct button to select one.
3. You can play the keyboard and listen to the wonderful voice.

### Note:

When the DUAL and LOWER function is on, you can hold down the [SHIFT] button, and then press one of the voice direct buttons to shift the status of voice sources, and the LCD cursor will highlight between R1,R2,L1.



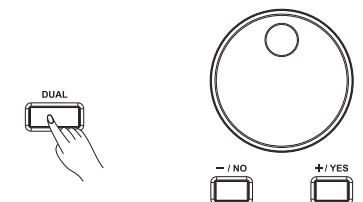
|           | TEMPO           | MEAS | MEM        |
|-----------|-----------------|------|------------|
|           | 095             | 001  | 1-1        |
| <b>R1</b> | <b>Voice</b>    |      | <b>001</b> |
|           | <b>StGrdPno</b> |      |            |

## Playing two voices simultaneously-DUAL

1. In idle mode, press [DUAL] button to turn dual function on. The LCD displays current voice name and number, and highlights "R2".
2. When "R2" is highlighted, use the data dial, the [+ / YES], [- / NO] button or voice direct button to select the dual voice you want to play.
3. Play the keyboard, and then you will hear two different voices are sounded simultaneously in a layer. It seems like two different instruments playing at the same time.

### Note:

When the keyboard has been split, only the right hand area will respond the dual voice, the left hand will not respond to it.



|           | TEMPO           | MEAS | MEM        |
|-----------|-----------------|------|------------|
|           | 095             | 001  | 1-1        |
| <b>R1</b> | <b>Voice</b>    |      | <b>001</b> |
|           | <b>StGrdPno</b> |      |            |

## Playing different voices with both hands-LOWER

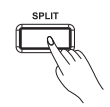
1. In idle mode, press [LOWER] button to turn the lower function on. The keyboard is split into two independent sections, and each section has its voice. The LCD displays the left hand voice name and number, and highlights "L1".
2. When "L1" is highlighted, use the data dial, the [+ / YES], [- / NO] button or voice direct button to select the lower voice you want to play.
3. Play the keyboard in different sections, and you will hear two different voices.

### Note:

The right hand voice does not change when you change lower voice.

### Split Point

The Point on the keyboard that separates voice L and voice R1/R2 is called the "split point". The split point is set to F#3/G3 at the factory setting. However you can set this to any key you want. Refer to KeySplit setting for split point setting.



|           | TEMPO           | MEAS | MEM        |
|-----------|-----------------|------|------------|
|           | 095             | 001  | 1-1        |
| <b>R1</b> | <b>Voice</b>    |      | <b>274</b> |
|           | <b>SSlowStr</b> |      |            |

## Playing Voices

### Pitch Bend/Modulation effect

Use the pitch bend wheel to bend the pitch of notes up or down while playing the keyboard. The pitch bend wheel will automatically return to normal pitch when released.

1. Roll the wheel right and left to make pitch bend effect, which increase the pitch when rolling right, and decrease the pitch when rolling left. The range of pitch change is 2 semitones.

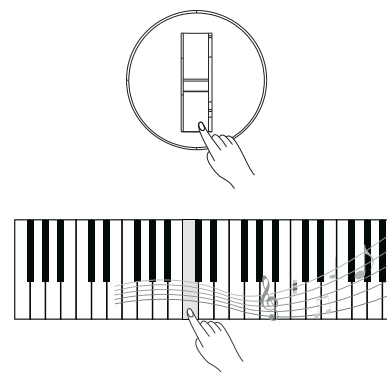
**Note:**

Use the pitch bend wheel can imitate the pitch bend effect of guitar, violin, saxophone, and so on. It makes the performance more vivid.

2. Roll the wheel up and down to make modulation effect, which increase the effect when rolling up or down, and have no effect when the wheel is in center place.

**Note:**

The modulation effect is important when playing string instrument like guitar and violin. The modulation effect makes the voice more realistic.



# Twinova

The twinova mode can split the keyboard into two sections which have the same pitch and voice. It helps teaching and learning piano.

1. In idle mode, press [TWINOVA] button to turn twinova function on. The LCD highlights "TWINOVA". In twinova mode, dual voice and lower voice are unavailable. The default split point is E3 (32). When you are ready to exit, press [TWINOVA] button again.
2. In twinova mode, the default voice of right hand and left hand is the upper voice you select before entering twinova mode. Use the data dial, the [+ / YES] / [- / NO] button or the voice direct button to choose voice.
3. In twinova mode, press [OCTAVE] button, LCD temporarily displays the octave value of twinova. Now you can use the data dial, the [+ / YES] / [- / NO] button to set octave value of twinova. The range of octave is -1 to 1.

### Note:

1. In the song playing mode, the twinova is invalid.
2. Please refer to KeySplit setting to set the split point setting.



|                 | TEMPO | MEAS | MEM            |
|-----------------|-------|------|----------------|
|                 | 095   | 001  | 1-1            |
| <b>[R]</b>      |       |      | <b>TWINOVA</b> |
| <b>Voice</b>    |       |      | <b>001</b>     |
| <b>StGrdPno</b> |       |      |                |

|                 | TEMPO            | MEAS | MEM            |
|-----------------|------------------|------|----------------|
|                 |                  |      | -1             |
| <b>[R]</b>      | <b>Octave: 0</b> |      | <b>TWINOVA</b> |
| <b>Voice</b>    |                  |      | <b>001</b>     |
| <b>StGrdPno</b> |                  |      |                |

# 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 using your 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. This keyboard features 235 styles in a variety of musical genres. Try to select some of the different styles (refer to Style List) and enjoy the auto accompaniment feature.

## Play Auto Accompaniment(rhythm track only)

1. In idle mode, holding down [SHIFT] button, and then press any of the style direct button to enter the style mode. LCD displays the name and number of the current style.
2. Use the data dial, the [+ / YES], [- / NO] button or the style direct button to choose the style you want to play.
3. 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.



|                 | TEMPO | MEAS | MEM        |
|-----------------|-------|------|------------|
|                 | 095   | 001  | 1-1        |
| <b>[R]</b>      |       |      |            |
| <b>Style</b>    |       |      | <b>001</b> |
| <b>8BtPiano</b> |       |      |            |

# Auto Accompaniment

## Play Auto Accompaniment(all tracks)

1. In style mode, press [CHORD MODE] button to enter "auto bass chord" (A. B. C.) mode. The keyboard is split into two sections. Left hand section is chord detect section. The "FINGERED" LED on the panel will be lighted.  
Press [CHORD MODE] button again to enter "full range" mode. The "FULL RANGE" led on the panel will be lighted. The whole keyboard is chord detect section.
2. Press [SYNC START] button and then play a chord in chord detect section to start auto accompaniment of all tracks. When you change a chord, the accompaniment automatically changes. Also press [START/STOP] button to start auto accompaniment of rhythm track, then play a chord in chord detect section. It will start auto accompaniment of all tracks.



|        |      |       |      |     |
|--------|------|-------|------|-----|
|        | (#9) | TEMPO | MEAS | MEM |
| B7     |      | 083   | 034  | 1-1 |
| R1 R2  |      |       |      |     |
| Style  |      |       |      | 086 |
| Tango1 |      |       |      |     |

## 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, C, D), Fill (A, B, C, D), and Ending. By switching among them during your performance you can easily produce the dynamic elements of a professional sounding arrangement in your performance.



### INTRO Section

This is used for the beginning of the song. When the intro finishes playing, accompaniment shifts to the main section.

### MAIN Section

This is used for playing the main part of the song. It plays an accompaniment pattern of several measures, and repeats indefinitely until another section's button is pressed.

### FILL-IN Section

The fill-in section let you add dynamic variations and breaks to the rhythm of the accompaniment, to make your performance sound even more professional. When the fill-in is finished, it leads smoothly into the selected main section (A, B, C, D).

### ENDING Section

This is used for the ending of the song. When the ending is finished, the auto accompaniment stops automatically. The length of the ending differs depending on the selected style.

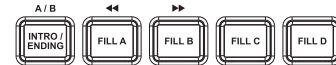
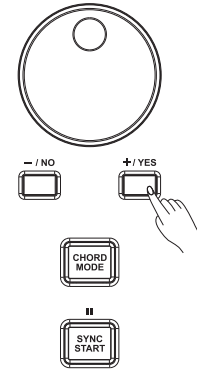
### Note:

Hold down the FILL A/B/C/D button when the style is playing, the selected fill-in pattern repeats continuously until button is released. Press FILL A/B/C/D button when style stops, it will change to the normal section, the LED of A/B/C/D on panel will be lightened.

# Auto Accompaniment

## Playing Different Accompaniment Sections

1. Press style direct button or use the data dial, [+ / YES] / [- / NO] button to select a style.
2. Press [CHORD MODE] button to enter A. B. C. (auto bass chord) mode.
3. Press [SYNC START] button.
4. Press [FILL A] button.
5. Press the [INTRO/ENDING] button. Now the "A" LED flashes on panel, the style is ready to play.
6. As soon as you play a chord with your left hand, the auto accompaniment starts. When the playback of the intro is finished, it automatically leads into Main A section.
7. Press the [FILL B] / [FILL C] / [FILL D] button. A fill-in plays, automatically followed by the Main B/C/D 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.



## Accompaniment Volume

This function is used to change the volume of all tracks of accompaniment.

Press [ACC VOL] button, the LCD will display ACCOMP volume (0 to 127). At this time, you can use the data dial or [+ / YES] / [- / NO] button to adjust ACCOMP volume.



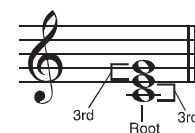
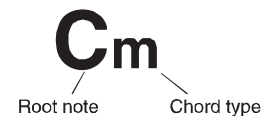
## Chord Fingering

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

Three or more notes are played together is defined as a "chord". The most basic chord type is the "triad" consisting three notes: the root, third and fifth degree of the corresponding scale. A "C major triad", for example, is made up of the note C (the root), E (the third note of the C major scale) and G (the fifth note of the C major scale).

In the C major triad shown, the lowest note is the "root" of the chord (this is the chord's "root position" using other chord notes for the lowest note results in "inversion"). The root is the central sound of the chord, which supports and anchors the other chord notes. The distance (interval) between adjacent notes of triad in root position is either a major or minor third.



# Auto Accompaniment

The lowest interval in our root-position triad (between the root and the third) determines whether the triad is a major or minor chord, and we can shift the highest note up or down by a semitone to produce two additional chords, as shown.

The basic characteristics of the chord sound remain intact even if we change the order of the notes to create different inversions. Successive chords in a chord progression can be smoothly connected, for example, by choosing the appropriate inversions.

### Reading Chord Names

Chord names tell you just about everything you need to know about a chord (other than the inversion/voicing). The chord name tells you what the root of a chord is, whether it is major, minor or diminished, whether it requires a major or flatted seventh, what alterations or tension does it use...all at a glance.

### The CHORD FINGER mode

The chord Finger mode lets you finger your own chords on the auto accompaniment section of the keyboard. This keyboard identifies both multi finger chord and single finger chord. When it cannot identify the multi keys, it will identify that as single finger chord.

### SINGLE FINGER

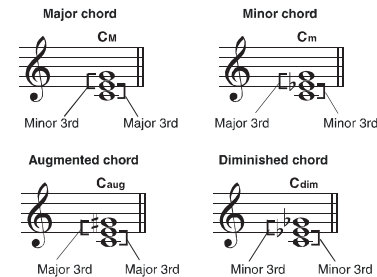
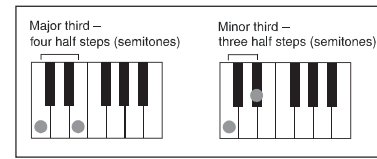
Single-finger accompaniment makes it simple to produce beautifully orchestrated accompaniment using major, seventh, minor and minor seventh chord by pressing a minimum number of keys on the auto accompaniment section of the keyboard.

### MULTI-FINGER

This is the default accompaniment mode. You can use either type of single fingering or chord fingering in this mode.

### Note:

In full range mode, the whole keyboard is chord detect section. It identifies only multi finger chord.



|  |   |
|--|---|
|  | <ul style="list-style-type: none"> <li><b>To play a major chord</b><br/>Press the root note of the chord</li> </ul>   |
|  | <ul style="list-style-type: none"> <li><b>To play a minor chord</b><br/>Press the root note together with the nearest black key to the left of it.</li> </ul>   |
|  | <ul style="list-style-type: none"> <li><b>To play a seventh chord</b><br/>Press the root note together with the nearest white key to the left of it.</li> </ul>   |
|  | <ul style="list-style-type: none"> <li><b>To play a minor seventh chord</b><br/>Press the root notes together with the nearest white and black keys to the left of it (three keys altogether).</li> </ul> |

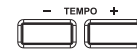
|                       |                      |  |                      |                   |                        |
|-----------------------|----------------------|--|----------------------|-------------------|------------------------|
| 0<br>C                | 1<br>$C_6$           | 2<br>$CM_7$  | 3<br>$CM_7(\#11)$    | 4<br>$CM(9)$      | 5<br>$CM_7(9)$         |
| 6<br>$C_6(9)$         | 7<br>$C_{aug}$       | 8<br>$C_m$   | 9<br>$C_m_6$         | 10<br>$C_m_7$     | 11<br>$C_m_7(\flat 5)$ |
| 12<br>$C_m(9)$        | 13<br>$C_m_7(9)$     | 14<br>$C_m_7(11)$  | 15<br>$C_mM_7$       | 16<br>$C_mM_7(9)$ | 17<br>$C_{dim}$        |
| 18<br>$C_{dim}_7$     | 19<br>$C_7$          | 20<br>$C_7sus_4$   | 21<br>$C_7(\flat 5)$ | 22<br>$C_7(9)$    | 23<br>$C_7(\#11)$      |
| 24<br>$C_7(\flat 13)$ | 25<br>$C_7(\flat 9)$ | 26<br>$C_7(13)$  | 27<br>$C_7(\#9)$     | 28<br>$CM_7aug$   | 29<br>$C_7aug$         |
| 30<br>$Csus_4$        | 31<br>$C_{1+2+5}$    | Notes enclosed in parentheses ♯ are optional; the chords could be recognized without them. |                      |                   |                        |

# Auto Accompaniment

## Tempo

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

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

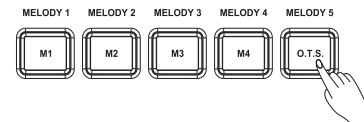


|            |                   |             |            |
|------------|-------------------|-------------|------------|
|            | TEMPO<br>126      | MEAS<br>001 | MEM<br>1-1 |
| <b>[R]</b> | Voice<br>StGrdPno |             | 001        |

## One Touch Setting

One Touch Setting is a powerful and convenient function that lets you instantly recognize virtually all auto accompaniment related panel settings such as voice with one touch of a single button.

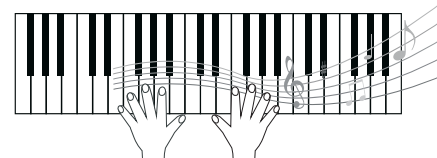
1. Press the [O.T.S.] button to turns on the One Touch Setting for current style.
2. Press one of the one touch setting buttons [M1]-[M4]. Various panel settings (such as voice, effect, etc.) that match the selected style can be instantly recalled with just a single button press. Auto accompaniment is automatically turned on during O.T.S mode.
3. Play the keyboard.



|            |                  |             |            |
|------------|------------------|-------------|------------|
|            | TEMPO<br>126     | MEAS<br>001 | O.T.S<br>1 |
| <b>[R]</b> | Voice<br>VelStel |             | 148        |

### One Touch Setting parameter list:

Part ON/OFF (VOICE R1, R2, L1)  
 Voice Change (VOICE R1, R2, L1)  
 Voice Volume (VOICE R1, R2, L1)  
 Voice Reverb Level (VOICE R1, R2, L1)  
 Voice Chorus Level (VOICE R1, R2, L1)



## Metronome

Using metronome helps you with beat that guides your playing by preset tempo.

1. Open the metronome  
Press the [METRO] button to turn the metronome on.
2. Close the metronome  
Press the [METRO] button again to turn the metronome off.
3. Metronome beat type setting  
Please refer to beat type setting.



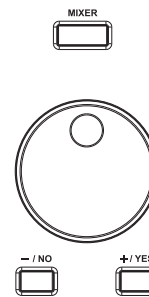
### Note:

The metronome will respond in the next beat if it is opened when the accompaniment is playing.  
 When recording, metronome beats cannot be recorded.

# Mixer

Mixer function can control the volume of different tracks.

1. Press the [MIXER] button.  
Now you have entered the menu of mixer. Press the [MIXER] button repeatedly, you can select a track and change its volume.
2. To adjust the selected volume setting, please use the data dial or the [+ / YES] / [- / NO] button.  
Press [+ / YES] and [- / NO] button simultaneously to turn off a track volume.  
Press [+ / YES] and [- / NO] button simultaneously again to turn on a track volume.  
The option and parameters are as follows:



| Option               | LCD display       | Range   |
|----------------------|-------------------|---------|
| Rhythm slave volume  | Rhythm_s Vol: xxx | 0 - 127 |
| Rhythm master volume | Rhythm_m Vol: xxx | 0 - 127 |
| Bass volume          | Bass Vol: xxx     | 0 - 127 |
| Chord 1 volume       | Chord1 Vol: xxx   | 0 - 127 |
| Chord 2 volume       | Chord2 Vol: xxx   | 0 - 127 |
| Chord 3 volume       | Chord3 Vol: xxx   | 0 - 127 |
| Phrase 1 volume      | Phrase1 Vol: xxx  | 0 - 127 |
| Phrase 2 volume      | Phrase2 Vol: xxx  | 0 - 127 |
| Voice R1 volume      | Upper1 Vol: xxx   | 0 - 127 |
| Voice R2 volume      | Upper2 Vol: xxx   | 0 - 127 |
| Voice L volume       | Lower Vol: xxx    | 0 - 127 |
| Disk volume          | Disk Vol: xxx     | 0 - 127 |

|                | TEMPO                    | MEAS | MEM |
|----------------|--------------------------|------|-----|
|                | 126                      | 001  | 1-1 |
| <b>[MIXER]</b> | <b>MixerSet</b>          |      |     |
|                | <b>Rhythm_m Vol: 108</b> |      |     |



# Pedal Function

The assign pedal is a single pedal which can be configured to different pedal function. Please refer to the pedal setting menu for detail.

## 1. Sustain Pedal

If assign pedal is set as "Sustain", step on the assign pedal, all notes played on the keyboard will have a longer sustain.

## 2. Soft Pedal

If assign pedal is set as "Soft", step on the assign pedal, all notes played on the keyboard will have a softer effect.

## 3. Pedal Start/Stop

If pedal assign is set as "St/Sp", the assign pedal will have the same function as [START/STOP] button.



## 4. Pedal Memory Select

If pedal assign is set as "MemSw", it will load the next memory parameter from M1 when you step on the pedal. The total number of memory you can load is 32.

### **Note:**

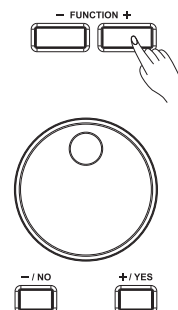
We do not suggest use the assign pedal and unit pedal simultaneously. It may cause a malfunction.

# Other Functions

Press [FUNCTION+/-] button to enter function menu. The default option of the menu is "Tune". When you enter the menu next time, you will find the option is the same as last time. Use [FUNCTION+/-] button to select the option to set. Use [+ /YES] / [- /NO] or data dial to set parameter of the current menu.

The option and parameters are as follows:

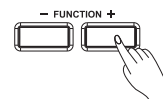
| Number | LCD display        | Range   | Default |
|--------|--------------------|---|---------|
| 1      | Tune: xxx          | -50 ~ +50   | 000     |
| 2      | Transpose: xxx     | -12 ~ +12   | 000     |
| 3      | SplitPt: xxx       | 1 ~ 88  | 034     |
| 4      | BeatType: xxx      | 0, 2 ~ 9  | 004     |
| 5      | BeatVol: xxx       | 0 ~ 127   | 090     |
| 6      | PedalType: xxx     | Sustain, Soft, St/Sp, MemSw                                       | Sustain |
| 7      | HarmonyTp: xxx     | Duet, 1+5, Octave, CtryDuet, Trio, Block, 4Close1, 4Close2, 4Open | Duet    |
| 8      | HarmonySwitch: xxx | OFF, ON   | OFF     |
| 9      | MidiIn: xxx        | 1 ~ 16, ALL   | ALL     |
| 10     | MidiOut: xxx       | 1 ~ 16  | 001     |
| 11     | DspEffect: xxx     | OFF, 1, 2, 3  | 002     |
| 12     | Touch: xxx         | OFF, 1, 2, 3  | 002     |
| 13     | Language: xxx      | English, 中文   | English |
| 14     | PowerOff: xxx      | OFF, 30, 60   | 030     |



## Tune

This function sets the pitch of entire keyboard by steps of cents.

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

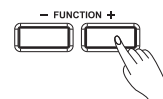


|            | TEMPO              | MEAS | MEM        |
|------------|--------------------|------|------------|
|            | 126                | 001  | 1-1        |
| <b>[F]</b> | <b>FunctionSet</b> |      |            |
|            | <b>Tune:</b>       |      | <b>+00</b> |

## Transpose

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

1. Press [FUNCTION+/-] button to select transpose menu. LCD displays "Transpose: xxx". Use [+ /YES] / [- /NO] or data dial to change transpose value. The max transpose is  $\pm 12$  semitones.
2. Press [+ /YES] and [- /NO] simultaneously will set the transpose value to its default setting: 000.



|            | TEMPO              | MEAS | MEM        |
|------------|--------------------|------|------------|
|            | 066                | 001  | 1-1        |
| <b>[F]</b> | <b>FunctionSet</b> |      |            |
|            | <b>Transpose:</b>  |      | <b>+02</b> |

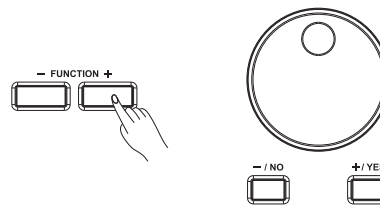
## KeySplit

This function sets the point which separates the entire keyboard to two sections.

1. Press [FUNCTION+/-] button to select keysplit menu. LCD displays "SplitPt: xxx". Use [+YES]/ [-NO] or data dial to change keysplit value. The range of keysplit: 1~88.
2. Press [+YES] and [-NO] simultaneously will set the keysplit value to its default setting: F#3(34).

### Note:

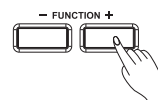
When twinova is opened, the range of keysplit is C3~C6 (28~64). Press [+YES] and [-NO] simultaneously will set twinova keysplit value to its default setting: E3(32).



|            | TEMPO              | MEAS | MEM        |
|------------|--------------------|------|------------|
|            | 126                | 001  | 1-1        |
| <b>[R]</b> | <b>FunctionSet</b> |      |            |
|            | <b>SplitPt:</b>    |      | <b>034</b> |

## Beat Type

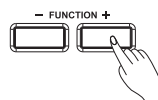
1. Press [FUNCTION+/-] button to select beat type menu. LCD displays "BeatType: xxx". Use [+YES]/ [-NO] or data dial to change beat type. The range of beat type: 0, 2~9.
2. Press [+YES] and [-NO] simultaneously will set the beat type value to its default setting: 4.



|            | TEMPO              | MEAS | MEM        |
|------------|--------------------|------|------------|
|            | 126                | 001  | 1-1        |
| <b>[R]</b> | <b>FunctionSet</b> |      |            |
|            | <b>BeatType:</b>   |      | <b>004</b> |

## Beat Volume

1. Press [FUNCTION+/-] button to select beat volume menu. LCD displays "BeatVol: xxx". Use [+YES]/ [-NO] or data dial to change beat volume. The range of beat volume: 0~127.
2. Press [+YES] and [-NO] simultaneously will set the beat volume value to its default setting: 090.



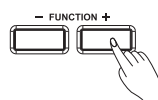
|            | TEMPO              | MEAS | MEM        |
|------------|--------------------|------|------------|
|            | 126                | 001  | 1-1        |
| <b>[R]</b> | <b>FunctionSet</b> |      |            |
|            | <b>BeatVol:</b>    |      | <b>090</b> |

## Pedal Type

1. Press [FUNCTION+/-] button to select pedal type menu. LCD displays "PedalType: xxx". Use [+YES]/ [-NO] or data dial to change pedal type. 4 types of pedal are available: sustain pedal(Sustain), soft pedal(Soft), accompaniment start/stop Pedal(St/Sp), memory switch pedal(MemSw).
2. Press [+YES] and [-NO] simultaneously will set the pedal type to its default setting: Sustain.

### Note:

1. This piano is compatible with normally open or closed pedal. It will auto detect the pedal type when switching on.
2. If you switch on the piano stepping on the pedal, the pedal status will be converse.



|            | TEMPO              | MEAS | MEM            |
|------------|--------------------|------|----------------|
|            | 126                | 001  | 1-1            |
| <b>[R]</b> | <b>FunctionSet</b> |      |                |
|            | <b>PedalType:</b>  |      | <b>Sustain</b> |

## Other Functions

### Harmony Type

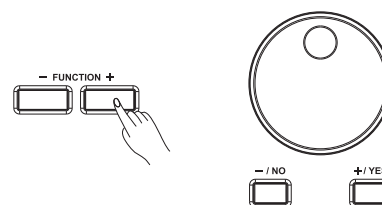
You can add a variety of harmony notes to the keys you played in the right-hand section.

1. Press [FUNCTION+/-] button to select harmony type menu. LCD displays "HarmonyTp: xxx". Use [+YES]/[-NO] or data dial to change harmony type.

The harmony types are as follows:

| Number | LCD Display |
|--------|-------------|
| 1      | Duet        |
| 2      | 1+5         |
| 3      | Octave      |
| 4      | CtryDuet    |
| 5      | Trio        |
| 6      | Block       |
| 7      | 4Close1     |
| 8      | 4Close2     |
| 9      | 4Open       |

2. Press [+YES] and [-NO] simultaneously will set harmony type to default setting: Duet.



|             | TEMPO                | MEAS | MEM |
|-------------|----------------------|------|-----|
|             | 126                  | 001  | 1-1 |
| <b>[R1]</b> | <b>FunctionSet</b>   |      |     |
|             | <b>Harmony: Duet</b> |      |     |

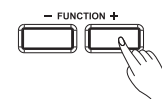
### Harmony Switch

1. Press [FUNCTION+/-] button to select harmony switch menu. LCD displays "HarmonySw: xxx". Use [+YES]/[-NO] or data dial to change harmony switch status: OFF, ON.

2. Press [+YES] and [-NO] simultaneously will set harmony switch to default setting: OFF.

#### Playing with harmony:

Open the A.B.C., then use left hand play a chord. When playing that chord, the harmony effect notes will be added to the notes you play in the right hand section. While "1+5" or "octave" is selected to a harmony type, you can use the harmony effect without playing the chord. The other type effect notes cannot respond without playing chord.

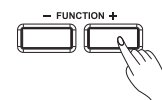


|             | TEMPO                 | MEAS | MEM |
|-------------|-----------------------|------|-----|
|             | 126                   | 001  | 1-1 |
| <b>[R1]</b> | <b>FunctionSet</b>    |      |     |
|             | <b>HarmonySw: OFF</b> |      |     |

### MIDI IN

1. Press [FUNCTION+/-] button to select MIDI IN menu. LCD displays "MidiIn: xxx". Use [+YES]/ [-NO] or data dial to change MIDI IN channel:1~16, ALL.

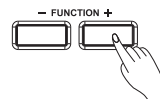
2. Press [+YES] and [-NO] simultaneously will set MIDI IN channel to default setting: ALL.



|             | TEMPO              | MEAS | MEM |
|-------------|--------------------|------|-----|
|             | 126                | 001  | 1-1 |
| <b>[R1]</b> | <b>FunctionSet</b> |      |     |
|             | <b>MidiIn: ALL</b> |      |     |

## MIDI OUT

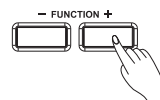
1. Press [FUNCTION+/-] button to select MIDI OUT menu.  
LCD displays "MidiOut: xxx". Use [+YES]/ [-NO] or data dial to change MIDI OUT channel:1~16.
2. Press [+YES] and [-NO] simultaneously will set MIDI OUT channel to default setting: 001.



|            | TEMPO               | MEAS | MEM |
|------------|---------------------|------|-----|
|            | 126                 | 001  | 1-1 |
| <b>[R]</b> | <b>FunctionSet</b>  |      |     |
|            | <b>MidiOut: 001</b> |      |     |

## DSP effect

1. Press [FUNCTION+/-] button to select DSP effect menu.  
LCD displays "DspEffect: xxx". Use [+YES]/ [-NO] or data dial to change DSP parameter: OFF, 1~3.
2. Press [+YES] and [-NO] simultaneously will set DSP to default setting: 002.

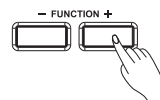


|            | TEMPO                 | MEAS | MEM |
|------------|-----------------------|------|-----|
|            | 126                   | 001  | 1-1 |
| <b>[R]</b> | <b>FunctionSet</b>    |      |     |
|            | <b>DspEffect: 002</b> |      |     |

## Touch

The keyboard is equipped with a touch response feature that lets you dynamically and expressively controls the level of the voice with your playing strength just as on an acoustic instrument.

1. Press [FUNCTION+/-] button to select touch menu. LCD displays "Touch: xxx". Use [+YES]/ [-NO] or data dial to change touch type: OFF, 1(soft), 2(normal), 3(hard).
2. Press [+YES] and [-NO] simultaneously will set touch value to default setting: 2(normal).

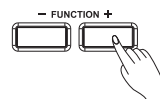


|            | TEMPO              | MEAS | MEM |
|------------|--------------------|------|-----|
|            | 112                | 001  | 1-1 |
| <b>[R]</b> | <b>FunctionSet</b> |      |     |
|            | <b>Touch: 002</b>  |      |     |

## Language

This function is used to set the system language.

1. Press [FUNCTION+/-] button to select language menu. LCD displays "Language: xxx". Use [+YES]/ [-NO] or data dial to change language: English, 中文
2. Press [+YES] and [-NO] simultaneously will set the language to its default setting: English.



|            | TEMPO                    | MEAS | MEM |
|------------|--------------------------|------|-----|
|            | 126                      | 001  | 1-1 |
| <b>[R]</b> | <b>FunctionSet</b>       |      |     |
|            | <b>Language: English</b> |      |     |

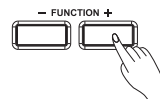
### Note:

The language setting will keep if you switch off the piano.

## PowerOff

This function is used to set automatic shutdown time.

1. Press [FUNCTION+/-] button to select power off menu.  
LCD displays "PowerOff: xxx". Use [+YES]/ [-NO] or data dial to change time value: OFF, 030, 060.
2. Press [+YES] and [-NO] simultaneously, the time will be restored to default: 030 minutes



|            | TEMPO                | MEAS | MEM |
|------------|----------------------|------|-----|
|            | 126                  | 001  | 1-1 |
| <b>[R]</b> | <b>FunctionSet</b>   |      |     |
|            | <b>PowerOff: 030</b> |      |     |

# Register Memory

The keyboard is an instrument with a variety of controls and functions, the Registration Memory feature can make your performance more easily and efficiently. 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.

**Note:**

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



## Registering the Panel Setting

1. There are 8 memory banks, and each bank has 4 memories (M1-M4).
2. While holding the [STORE] button, press one of the REGISTRATION MEMORY buttons: [M1] - [M4]. Notice that the new settings will replace the previous memory data.

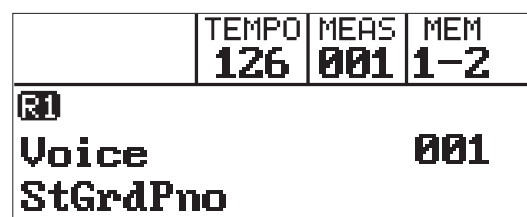
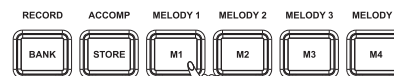


## Recalling the Registered Panel Settings

Press one of the REGISTRATION MEMORY buttons: [M1] - [M4]. In this example, the panel settings stored in the memory 2 of bank 1 are recalled.

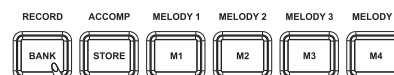
**Note:**

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



## Selecting a Registration Bank

1. Press the [BANK] button. There are 8 banks in all and each bank has 4 memories (M1-M4). Press the [BANK] button, the LCD displays "MemBank".
2. Select a bank. Use the data dial, [+ / YES] or [- / NO] button to select a bank from 1 to 8.



# Song Recording

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

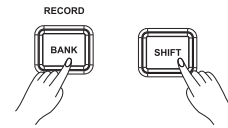
Among them, the accompaniment track is used for recording style and this recorded track is user song's accomp. Melody tracks are used for recording melodies.

Accomp track and melody track can be recorded together, but you cannot record two melody tracks at the same time. Of course you can only record accomp or melody. Accomp and several melody tracks can simultaneous playback. The recorded data will not lose when you turn off the power.

## Start Recording

Before you start recording, you need to select a user song to keep the recording song, and set the recording tracks.

1. Holding down [SHIFT] button, then press the [RECORD] button to enter user song selection mode. The LCD displays "RecSong1" and sequence number. 3 user songs can be recorded. Press [+ / YES] / [- / NO] button to select the user song you want to record.



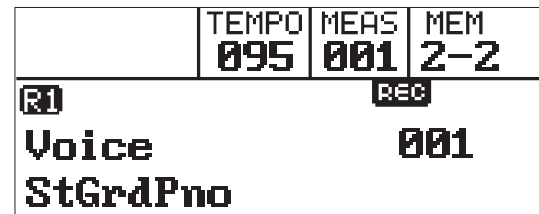
2. Holding down [SHIFT] button, then press the [RECORD] button again to enter record preparation mode. LCD lightens the "REC" flag, and the [START/STOP] button on the panel will light up. It automatically select a empty track to record your performance. The button of track (ACCOMP, MELODY1 to MELODY 5) will flash to indicate which track you would record.



3. In the recording preparation status, 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, then press "ACCOMP" (or "MELODY1" to "MELODY 5") to make your own selection. The ACCOMP track and one of MELODY track can be recorded at the same time, but it cannot record two MOLODY track simultaneously.



4. Press [START/STOP] button or play the keyboard to start recording. The [RECORD] button lightens. When choosing the accomp tack and A.B.C. is open, play an effective chords in left hand section or press [START/STOP] button would start recording.



### Note:

Style can only be recorded in "Accomp" track. The recording track instructions LED has three states: Blinking, Light, Go out.

**Blinking:** It means the track was chose for recording. If the track have recorded data, the original data will be replaced.

**Light:** It means this track have data, the recording process will record data with playback the recorded track at the same time.

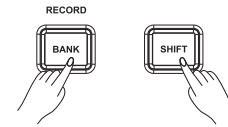
**Go out:** It means this track has no data or has data which can not playback when recording.

When recording an existing song, the keyboard 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 and a specific track needs to be revised, press the button of that track and start recording. The original data will be replaced.

# Song Recording

## Stop Recording

1. When recording is in process, holding down [SHIFT] button 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 "RecFull".
3. If you choose the accomp recording, the recording will stop automatically when the ending of the rhythm finishes.

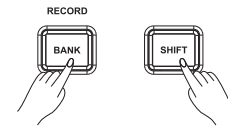


|      | TEMPO        | MEAS | MEM |
|------|--------------|------|-----|
|      | .....        |      | -1  |
| [R1] | Voice        |      | 114 |
|      | Church Organ |      |     |

|      | TEMPO        | MEAS | MEM |
|------|--------------|------|-----|
|      | [?] RecFull! |      | -1  |
| [R1] | Voice        |      | 114 |
|      | Church Organ |      |     |

## Playback Recording

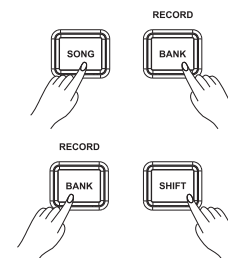
1. When recording is in process, holding down [SHIFT] button then press the [RECORD] button, it will stop recording and enter the song play mode, and the current recorded song will play automatically in circle.
2. Press the [SONG] button to enter the song mode and it will play all songs circularly. Use the data dial, [+ / YES] or [- / NO] button to select a song, there are 125 songs in all, including 5 user songs (121-125). If there is no data in the selected user song, it will display "NoFile" and stop playing. You can also select one user song in song stop playing mode, press [PLAY/STOP] button, this user song will play circularly.



|      | TEMPO   | MEAS | MEM |
|------|---------|------|-----|
|      | 095     | -01  | 1-1 |
| [R1] | Song    |      | 122 |
|      | NoFile! |      |     |

## Delete User Song

1. Pressing and holding [RECORD] and [SONG] button together and turn power on simultaneously, all user songs will be erased.
2. In the recording preparation status, holding down [SHIFT] button then press the [RECORD] button for two second, the LCD will display "Delete?". And holding down [SHIFT] button then press [ACCOMP] (or [MELODY 1] to [MELODY 5]) button to select the track you want to delete. When some track button is lightened, it indicates that the track data you want to delete, otherwise, it indicate that the track data you want to keep. If all the track buttons are lightened, the whole user song will be erased after confirmation.
3. Choose the track you want to delete, 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 preparation status.



|      | TEMPO              | MEAS | MEM    |
|------|--------------------|------|--------|
|      | [?] Delete?        |      | -1 [ ] |
| [R1] | Voice              |      | 001    |
|      | Stereo Grand Piano |      |        |

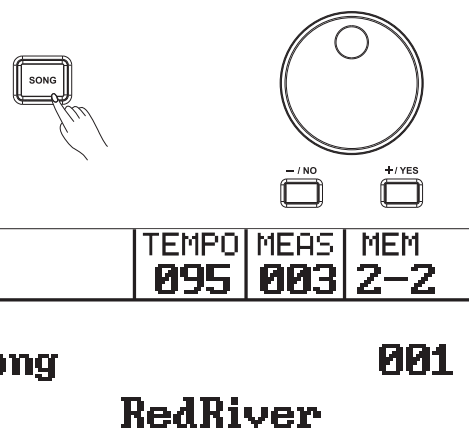


# Song

The piano has 125 songs in all, including 5 user songs.

## Listening to the songs

1. Press the [SONG] button to enter the song mode and it will play all songs circularly.
2. Use the data dial, [+ / YES] or [- / NO] button to select a song.
3. Once you start playing a song by pressing [START / STOP] button, it will play current song repeatedly.
4. When the song is stopped, press the style or voice direct button, [DUAL] button and so on will 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 song 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.
- 3. Song Repeat**  
When playing the song, press [A/B] button to set the location of loop begin and loop end to the current song. Press the [A/B] to set the loop begin and press it again to set the loop end. When in loop status, press [A/B] again to quit the loop playing status.



## Restore Factory Setting

Pressing and holding [+ / YES] and [- / NO] button together and then turn the power on, the piano would be restored to factory setting. It will delete all the user data: user styles, user songs and registered memory. The LCD will display the power on logo about 8 seconds. After the restore completed, the piano will start normally.

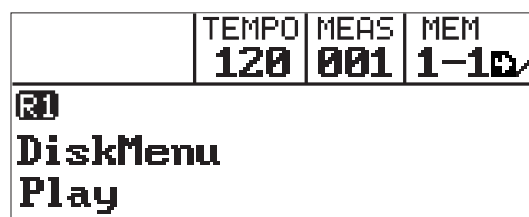
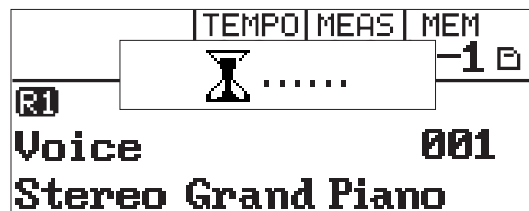
# Connecting an SD Device

This piano is compatible with 16M to 32G FAT 16 or FAT 32 SD card. We recommend use SD card after formatting on piano. If not necessary, please do not edit the data that the piano backs up on the SD card.



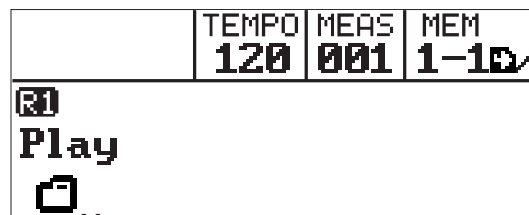
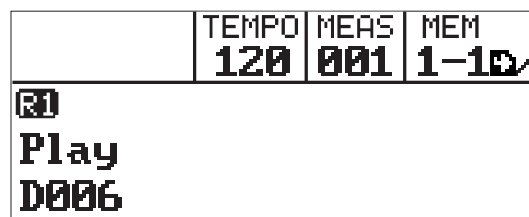
## SD Device Operation

1. The function buttons related to SD card are: [SD DEVICE], [+ / YES], [- / NO], [START / STOP] and the data dial.
2. Press [SD DEVICE] button to enter SD card mode. Press [SD DEVICE] button again can quit that mode.
3. If the SD card has been inserted before pressing [SD DEVICE] button, the LCD will display a waiting notice, and the upper right corner of LCD will display SD card icon . If initializing succeeds, LCD will display "Play", the icon becomes . If initialing fails, the LCD will display "DiskErr", and the SD icon remains . If SD card is not inserted, the LCD will display "NoDisk", and the upper right corner of LCD does not display SD card icon.
4. In SD card mode, use data dial to select menu, press [+ / YES] button to proceed, press [- / NO] to go back.
5. In SD card mode, it can read a maximum of 512 files in one folder. Icon represents folder, and icon represents file.
6. In SD card mode, press [SD DEVICE], voice direct button and style direct button can exit SD card mode.
7. Press [MIXER] button can change the volume when playing MIDI file.
8. Loading, Save and Delete operations are intended for the file in "MMKD" folder.



## Play

1. Press [SD DEVICE] button to enter SD card mode. Then use data dial to select "Play" menu.
2. Select the menu "Play" and press [+ / YES] button, LCD will display the name of MIDI files and sub directories in the root of the SD Device.
3. If you choose a sub-directory, press [+ / YES] button to open the folder, press [- / NO] to return to the parent directory. If LCD displays "...", pressing either [+ / YES] or [- / NO] will return to parent directory.
4. Use data dial to select a MIDI file, and then press [START / STOP] button to play it repeatedly. Press [+ / YES] button to play all files in the current directory circularly. Press [START / STOP] button again to stop playing.



## Connecting an SD Device

### Load

1. Press [SD DEVICE] button to enter SD card mode. Then use data dial to select "Load" menu.
2. Press [+ / YES] to enter "load" sub menu. Load sub menu are displayed on LCD, it includes "LoadSong", "LoadSty" and "LoadMem". Use [+ / YES], [- / NO] button or data dial to select one.

#### Load Song:

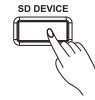
1. Select the menu "LoadSong" and press [+ / YES] button, LCD displays the MIDI files (\*.midi) in the MMKD\SONG directory of SD DEVICE. Use the data dial to select the file to load.
2. After selected the midi file, press [+ / YES] button, and then use the data dial to select user song number.
3. After selected the song number, press [+ / YES] button, and the LCD displays "Sure?". Press [+ / YES] again to confirm the loading operation. Press [- / NO] to cancel the operation.

#### Load Style

1. Select the menu "LoadSty" and press [+ / YES] button, LCD displays the style files (\*.sty) in the MMKD\STYLE directory of SD DEVICE. Use the data dial to select the file to load.
2. After selected the style file, press [+ / YES] button then use the data dial to select user style number.
3. After selected the user style number, press [+ / YES] button, and the LCD displays "Sure?". Press [+ / YES] again to confirm the loading operation. Press [- / NO] to cancel the operation.

#### Load Memory

1. Select the menu "LoadMem" and press [+ / YES] button, LCD displays the memory files (\*.mem) in the MMKD\MEMORY directory of SD DEVICE. Use the data dial to select the file to load.
2. After selected the memory file, press [+ / YES] button, and then use the data dial to select user memory number.
3. After selected the user memory number, press [+ / YES] button, and the LCD displays "Sure?". Press [+ / YES] again to confirm the loading operation. Press [- / NO] to cancel the operation.



|     | TEMPO            | MEAS | MEM  |
|-----|------------------|------|------|
|     | 120              | 001  | 1-10 |
| [R] | DiskMenu<br>Load |      |      |

|     | TEMPO            | MEAS | MEM  |
|-----|------------------|------|------|
|     | 120              | 001  | 1-10 |
| [R] | Load<br>LoadSong |      |      |

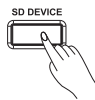
|     | TEMPO                | MEAS | MEM  |
|-----|----------------------|------|------|
|     | 120                  | 001  | 1-10 |
| [R] | LoadSong<br>UserSong |      |      |

|     | TEMPO               | MEAS | MEM  |
|-----|---------------------|------|------|
|     | 120                 | 001  | 1-10 |
| [R] | DiskMenu<br>LoadSty |      |      |

|     | TEMPO               | MEAS | MEM  |
|-----|---------------------|------|------|
|     | 120                 | 001  | 1-10 |
| [R] | DiskMenu<br>LoadMem |      |      |

### Save

1. Press [SD DEVICE] button to enter SD card mode. Then use data dial to select "Save".
2. Press [+ / YES] to enter "Save" sub menu. It includes "SaveSong", "SaveSty" and "SaveMem". Use [+ / YES] / [- / NO] button or data dial to select one.



|     | TEMPO            | MEAS | MEM  |
|-----|------------------|------|------|
|     | 120              | 001  | 1-10 |
| [R] | DiskMenu<br>Save |      |      |

## Connecting an SD Device

### Save user song:

1. Select the menu "SaveSong" sub menu and press [+ / YES] button, LCD displays the user song name and number. Use the data dial to select the file to save.
2. After selected the user song, press [+ / YES]. The LCD prompts to enter file name "SNG\_". Now use keyboard to enter a file name of 8 character.
3. After entering the file name, press [+ / YES]. The LCD will prompt to confirm the operation: "Sure?". Press [+ / YES] again to save the file. Press [- / NO] to cancel the operation.
4. If you enters the same name to the song in SD card, the LCD prompts "SameName!". You need to enter a different name. The saving operations of user style and user song are just the same.

|                   |       |      |        |
|-------------------|-------|------|--------|
|                   | TEMPO | MEAS | MEM    |
|                   | 120   | 001  | 1-10 ✓ |
| [R] Save SaveSong |       |      |        |

|                    |       |      |        |
|--------------------|-------|------|--------|
|                    | TEMPO | MEAS | MEM    |
|                    | 120   | 001  | 1-10 ✓ |
| [R] SaveSong JSNG_ |       |      |        |

## Delete

1. Press [SD DEVICE] button to enter SD card mode. Then use data dial to select "Delete".
2. Press [+ / YES] to enter "Delete" sub menu. It includes "UserSong", "UserSty" and "UserMem". Use [+ / YES] / [- / NO] button or data dial to select one.
3. Select a file type you want to delete. Press [+ / YES] to enter the corresponding menu.
4. Select a file you want to delete. Press [+ / YES], and the LCD displays "Sure?" Press [+ / YES] to confirm, and press [- / NO] to cancel the operation.



|                    |       |      |        |
|--------------------|-------|------|--------|
|                    | TEMPO | MEAS | MEM    |
|                    | 120   | 001  | 1-10 ✓ |
| [R] Delete UserSty |       |      |        |

## Format

1. Press [SD DEVICE] button to enter SD card mode. Then use data dial to select "Format".
2. Press [+ / YES] to confirm that operation. LCD displays "Sure?", then press [+ / YES] to format, press [- / NO] to cancel that operation.

|                     |       |      |        |
|---------------------|-------|------|--------|
|                     | TEMPO | MEAS | MEM    |
|                     | 120   | 001  | 1-10 ✓ |
| [R] DiskMenu Format |       |      |        |

### Note:

Formation will delete all data in SD card!

## Keyboard and ASCII Character Relative Table

|        |       |     |      |      |    |    |     |    |     |    |     |    |
|--------|-------|-----|------|------|----|----|-----|----|-----|----|-----|----|
| Note   | C2    | C#2 | D2   | Eb2  | E2 | F2 | F#2 | G2 | Ab2 | A2 | Bb2 | B2 |
| Letter | Shift | DEL | Back | Next | A  | B  | C   | D  | E   | F  | G   | H  |
| Note   | C3    | C#3 | D3   | Eb3  | E3 | F3 | F#3 | G3 | Ab3 | A3 | Bb3 | B3 |
| Letter | I     | J   | K    | L    | M  | N  | O   | P  | Q   | R  | S   | T  |
| Note   | C4    | C#4 | D4   | Eb4  | E4 | F4 | F#4 | G4 | Ab4 | A4 | Bb4 | B4 |
| Letter | U     | V   | W    | X    | Y  | Z  | 0   | 1  | 2   | 3  | 4   | 5  |
| Note   | C5    | C#5 | D5   | Eb5  | E5 | F5 | F#5 | G5 | Ab5 | A5 | Bb5 | B5 |
| Letter | 6     | 7   | 8    | 9    | !  | #  | \$  | %  | &   | ,  | [   | ]  |
| Note   | C6    | C#6 | D6   | Eb6  | E6 | F6 |     |    |     |    |     |    |
| Letter | -     | @   | ^    | `    | {  | }  |     |    |     |    |     |    |

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?

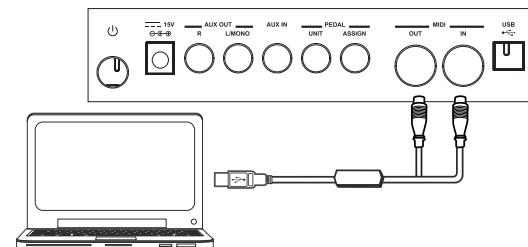
MIDI is an acronym that stands for Musical Instrument Digital Interface, which allows electronic musical instruments to communicate with each other, by sending and receiving compatible Note, Control Change, Program Change and various other types of MIDI data, or messages. The instrument can control a MIDI device by transmitting note related data and various types of controller data. The instrument can be controlled by the incoming MIDI messages which automatically determine tone generator mode, select MIDI channels, voices and effects, change parameter values and of course play the voices specified for the various parts. MIDI messages can be divided into two groups: Channel messages and System.

## MIDI Terminals

In order to exchange MIDI data between multiple devices, each device must be connected by a cable.

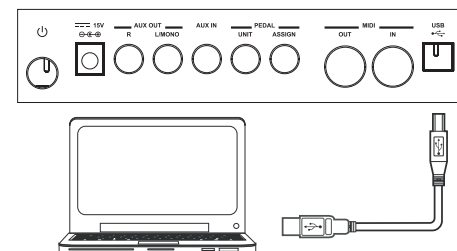
- MIDI IN:** Receives MIDI data from a computer.
- MIDI OUT:** Transmits the instrument information as MIDI data to another MIDI device.

Connect the MIDI OUT of other Device to the MIDI IN jack on the rear panel, this instrument will as sound module.  
Connect the MIDI IN of other Device to the MIDI OUT jack on the rear panel. This instrument will work as a MIDI Controller.



## Downloading Data from the Computer

Connect a standard USB cable between the rear-panel USB jack on the instrument and the USB jack on your computer.  
Power on the instrument first, and then open the PCSUITE software in your computer, the "CONNECTING" will be displayed on LCD. The PCSUITE will connect successfully with the instrument.  
You can download 5 SMF MIDI files to the keyboard as user songs or upload the user songs.  
You can upload user styles to the computer as a backup or download them to the keyboard.  
You can upload user voices 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.  
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.   | The R1/R2/L1 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 right-hand 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.  | And Harmony cannot be turned on when a drum kit is selected for the voice R1.  |

# Specifications

## LCD Display

Multi-functional LCD

## Keys

88 Hammer-Action Keys

## Polyphony

128

## Voices

583

## Songs

125, including 5 user songs

## Styles

235, including 5 user styles

## Demos

5

## Control button

Power Switch, Volume slider ,Brilliance slider, Styles, Tempo+/-, Acc Vol, Mixer, Function+/-, Start/Stop, Sync Start, Intro/Ending, Fill A, Fill B, Fill C, Fill D, Chord Mode, Voices, Dual, Split, SD Device, Metro, Twinova, Octave, Song, Bank, Store, M1-M4, O.T.S., Shift, Demo, +/-Yes, -/No, data dial, pitch bend wheel

## Record Function

Record, Accomp, Melody 1-5

## Memory

32

## Connectors

DC IN, Headphones, AUX IN, AUX OUT, Assign Pedal, Unit Pedal, MIDI IN, MIDI OUT, SD Jack

## Power Supply

DC 15V IN

## Speaker

4ohm 15WX2

8ohm 25WX2

## Dimensions

1360(L)x370(W)x143(H)mm

## Weight

20kg

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

# Voice List

| No.          | Name                              | LCD Name  |
|--------------|-----------------------------------|-----------|
| <b>PIANO</b> |                                   |           |
| 1            | Stereo Grand Piano                | StGrdPno  |
| 2            | Acoustic Grand Piano (wide) 1     | GrandPnW  |
| 3            | Acoustic Grand Piano (wide) 2     | GrandPW2  |
| 4            | Acoustic Grand Piano (dark)       | GrandPnD  |
| 5            | Octave Piano 1                    | OctPno1   |
| 6            | Octave Piano 2                    | OctPno2   |
| 7            | Dreamscape                        | Dreamscap |
| 8            | Piano & Strings                   | Pno&Str   |
| 9            | Piano & Choir                     | Pno&Cho   |
| 10           | Acoustic Grand Piano              | GrandPno  |
| 11           | Stereo Bright Piano               | StBrnPno  |
| 12           | Bright Acoustic Piano             | BritePno  |
| 13           | Bright Acoustic Piano (wide) 1    | BritePnW  |
| 14           | Bright Acoustic Piano (wide) 2    | BritePW2  |
| 15           | Chorus Piano                      | ChoruPno  |
| 16           | Piano Pad                         | PianoPad  |
| 17           | Piano & Vibraphone                | Pno&Vib   |
| 18           | Electric Grand Piano              | E.Grand   |
| 19           | Electric Grand Piano (wide)       | E.GrandW  |
| 20           | Stereo Honk-Tonk                  | StHonkTo  |
| 21           | Honky-tonk Piano                  | HnkyTonk  |
| 22           | Honky-tonk Piano (wide) 1         | HnyTonkW  |
| 23           | Honky-tonk Piano (wide) 2         | HnyTonW2  |
| 24           | Stereo Hard Electric Piano        | StHarEp   |
| 25           | Detuned Electric Piano 1          | DetunEP1  |
| 26           | Detuned Electric Piano 2          | DetunEP2  |
| 27           | Detuned Electric Piano 3          | DetunEP3  |
| 28           | Electric Piano 1                  | E.Piano1  |
| 29           | Electric Piano 2                  | E.Piano2  |
| 30           | Electric Piano (wide) 1           | EPnoW1    |
| 31           | Electric Piano (wide) 2           | EPnoW2    |
| 32           | EP Legend                         | EPLegend  |
| 33           | EP Phase                          | EPPhase   |
| 34           | 60's Electric Piano               | 60'sEP    |
| 35           | Electric Piano 1 (velocity mix)   | E.PnoV1   |
| 36           | Electric Piano 2 (velocity mix)   | E.PnoV2   |
| 37           | Velocity Crossfade Electric Piano | VeCrosEP  |
| 38           | Layered Electric Piano 1          | LayerEp1  |
| 39           | Layered Electric Piano 2          | LayerEp2  |
| 40           | Nylon Electric Piano              | NylonEP   |
| 41           | Warm Electric Piano               | WarmEp    |
| 42           | Cloudy Electric Piano             | CloudyEp  |
| 43           | Grand Harpsichord                 | GraHarps  |
| 44           | Harpsichord 1                     | Harpsi    |
| 45           | Harpsichord 2                     | Harpsi2   |
| 46           | Harpsichord (wide)                | HarpsiW   |
| 47           | Harpsichord (octave mix) 1        | HarpsiO   |
| 48           | Harpsichord (octave mix) 2        | HarpsiO2  |
| 49           | Harpsichord Release               | HarpsiR   |
| 50           | Harpsichord (with key off)        | HarpsiOf  |
| 51           | Piano & Harpsichord               | Pno&Harp  |
| 52           | Stereo Clavichord                 | StClavi   |
| 53           | Clavi 1                           | Clavi     |
| 54           | Clavi 2                           | Clavi2    |

| No.                         | Name                      | LCD Name |
|-----------------------------|---------------------------|----------|
| 55                          | Clavi (wide) 1            | ClaviW1  |
| 56                          | Clavi (wide) 2            | ClaviW2  |
| 57                          | Clavi Wah                 | ClaviWa  |
| 58                          | Pulse Clavi               | PluseClv |
| <b>CHROMATIC PERCUSSION</b> |                           |          |
| 59                          | Celesta 1                 | Celesta  |
| 60                          | Celesta 2                 | Celesta2 |
| 61                          | Birght Celesta            | BirCelea |
| 62                          | Celesta & Sine            | Celes&Si |
| 63                          | Reecho Bell               | RechBell |
| 64                          | Celesta & Music Box       | Celes&MB |
| 65                          | Glockenspiel 1            | Glocken  |
| 66                          | Glockenspiel 2            | Glocken2 |
| 67                          | Glockenspiel & Sine       | Glock&Si |
| 68                          | Glockenspiel & Celesta    | Glock&Ce |
| 69                          | Music Box 1               | MusicBox |
| 70                          | Music Box 2               | MusicBo2 |
| 71                          | Music Box 3               | MusicBo3 |
| 72                          | Toy Box                   | ToyBox   |
| 73                          | Music Box & Harp          | Mbx&Harp |
| 74                          | Stereo Vibrapho           | StVibes  |
| 75                          | Rigid Vibraphone          | RigiVibe |
| 76                          | Vibraphone 1              | Vibra    |
| 77                          | Vibraphone 2              | Vibra2   |
| 78                          | Vibraphone (wide) 1       | VibraW   |
| 79                          | Vibraphone (wide) 2       | VibraW2  |
| 80                          | Vibraphone & Bell         | Bell&Vib |
| 81                          | Vibraphone & Harpsichord  | Vib&Harp |
| 82                          | Marimba 1                 | Marimba  |
| 83                          | Marimba 2                 | Marimba2 |
| 84                          | Marimba (wide)            | MarimbaW |
| 85                          | Sine Marimba              | SinMrmb  |
| 86                          | Stereo Marimba            | StMarim  |
| 87                          | Marimba & Vibraphone      | Mar&Vib  |
| 88                          | Wood Drum                 | WoodDrum |
| 89                          | Xylophone 1               | Xylophon |
| 90                          | Xylophone 2               | Xylopho2 |
| 91                          | Tubular Bells             | TubulBel |
| 92                          | Church Bell               | ChurBell |
| 93                          | Carillon                  | Carillon |
| 94                          | Dulcimer                  | Dulcimer |
| 95                          | Santur                    | Santur   |
| 96                          | Shorty                    | Shorty   |
| <b>ORGAN</b>                |                           |          |
| 97                          | Drawbar Organ 1           | DrawOrgn |
| 98                          | Drawbar Organ 2           | DrawOrg2 |
| 99                          | Soft Stereo Drawbar Organ | SfDrawOr |
| 100                         | Mellow Drawbar Organ      | MellDrOr |
| 101                         | Detuned Drawbar Organ 1   | DeDraOrg |
| 102                         | Detuned Drawbar Organ 2   | DeDraOr2 |
| 103                         | Italian 60's Organ        | 60'sOrgn |
| 104                         | 1970 Percussive Organ     | 1970PcOr |
| 105                         | Percussive Organ 1        | PercOrgn |
| 106                         | Percussive Organ 2        | PercOrg2 |
| 107                         | Light Click Organ         | LClickOr |

| No.           | Name                              | LCD Name  |
|---------------|-----------------------------------|-----------|
| 108           | Detuned Percussive Organ          | DePerOrg  |
| 109           | Stereo Rotary Organ               | StRotaOr  |
| 110           | Rock Organ                        | RockOrgn  |
| 111           | Rotary Organ                      | RotaOrgn  |
| 112           | Slow Rotary Organ                 | SloRotOr  |
| 113           | Detuned Church Organ              | DeChuOrg  |
| 114           | Church Organ 1                    | ChurOrgn  |
| 115           | Church Organ 2                    | ChurOrg2  |
| 116           | Church Organ (octave mix)         | ChurOrgO  |
| 117           | Reed Organ                        | ReedOrgn  |
| 118           | Puff Organ                        | PuffOrgn  |
| 119           | Accordion 1                       | Acordion  |
| 120           | Accordion 2                       | Acordin2  |
| 121           | Accordion 3                       | Acordin3  |
| 122           | Chorus Accordion                  | ChAccord  |
| 123           | Mustte                            | Mustte    |
| 124           | Accord It Solo                    | AccordSo  |
| 125           | Sweet Harmonica                   | SwetHarm  |
| 126           | Harmonica 1                       | Harmnica  |
| 127           | Harmonica 2                       | Harmnic2  |
| 128           | Detuned Harmonica                 | DetHarmo  |
| 129           | Tango Accordion                   | TangoAcid |
| <b>GUITAR</b> |                                   |           |
| 130           | Acoustic Guitar (nylon) 1         | NylonGtr  |
| 131           | Acoustic Guitar (nylon) 2         | NylonGt2  |
| 132           | Acoustic Guitar (nylon + key off) | NylGtrOf  |
| 133           | Ukulele                           | Ukulele   |
| 134           | Velocity Nylon Guitar             | NylnGtVe  |
| 135           | Chorus Nylon Guitar               | ChoNyGt   |
| 136           | Bright Nylon Guitar               | BrNyGt    |
| 137           | Acoustic Guitar (steel) 1         | SteelGtr  |
| 138           | Acoustic Guitar (steel) 2         | SteelGt2  |
| 139           | Steel Guitar with Body Sound      | SteelBdy  |
| 140           | Tremolo Steel Guitar              | TremGt    |
| 141           | Mandolin                          | Mandolin  |
| 142           | 12-Strings Guitar                 | 12StrGtr  |
| 143           | Chorus Steel Guitar               | ChoSteGt  |
| 144           | Nylon & Steel Guitar              | Ny&SteGt  |
| 145           | Stereo Steel Guitar               | StSteGt   |
| 146           | Steel Guitar Bend                 | GtBend    |
| 147           | Steel Guitar Harmonics            | GtHarm    |
| 148           | Velocity Steel Guita 1            | VelSte1   |
| 149           | Velocity Steel Guita 2            | VelSte2   |
| 150           | Velocity Steel Guita 3            | VelSte3   |
| 151           | Velocity Steel Guita 4            | VelSte4   |
| 152           | Electric Guitar (jazz) 1          | JazzGtr   |
| 153           | Electric Guitar (jazz) 2          | JazzGt2   |
| 154           | Electric Guitar (pedal steel)     | PedalGtr  |
| 155           | Mellow Guitar                     | MelloGt   |
| 156           | Velocity Jazz Guitar              | JazzGtVe  |
| 157           | Jazz Guitar Detuned               | JazzGtDt  |
| 158           | Mid Tone Guitar                   | MidTonGt  |
| 159           | Electric Guitar (clean) 1         | CleanGtr  |
| 160           | Electric Guitar (clean) 2         | CleanGt2  |
| 161           | Stereo Clean Guitar               | StCleGtr  |

# Voice List

| No.         | Name                                | LCD Name |
|-------------|-------------------------------------|----------|
| 162         | Velocity Clean Guitar               | CleGtVel |
| 163         | Electric Guitar (detuned clean)     | DetClnGt |
| 164         | Electric Guitar (muted velo-sw)     | MutVelGt |
| 165         | Electric Guitar (muted)             | MutedGtr |
| 166         | Electric Guitar (funky cutting)     | FunkGt   |
| 167         | Jazz Man                            | JazzMan  |
| 168         | Stereo Muted Guitar                 | StMuGt   |
| 169         | Guitar Pinch                        | GtPinch  |
| 170         | Overdriven Guitar                   | Ovrdrive |
| 171         | Detuned Overdriven Guitar           | DtOdrvGt |
| 172         | Distortion Guitar 1                 | DistGtr  |
| 173         | Distortion Guitar 2                 | DistGt2  |
| 174         | Distortion Guitar (with feedback) 1 | FeedbkGt |
| 175         | Distortion Guitar (with feedback) 2 | FeedbkG2 |
| 176         | Distorted Rhythm Guitar             | DistRyth |
| 177         | 5th Distortion                      | 5thDist  |
| 178         | Distortion Guitar Octave            | DistGtO  |
| 179         | Stereo Distorted Guitar             | StDistor |
| 180         | Guitar Feedback                     | GtrFdbk  |
| 181         | Guitar Harmonics                    | GtrHarmo |
| <b>BASS</b> |                                     |          |
| 182         | Acoustic Bass 1                     | AcoBass  |
| 183         | Acoustic Bass 2                     | AcoBass2 |
| 184         | Acoustic Bass Detuned               | AcosBaDt |
| 185         | Acoustic Bass Filter                | AcBasFil |
| 186         | Jazz Style                          | JazzSty  |
| 187         | A.Bass & Mute G.T.                  | Bs&GtMu  |
| 188         | Resonant Bass                       | ResBass  |
| 189         | Velocity Crossfade Bass             | VelCBass |
| 190         | Wah Bass 1                          | WahBass1 |
| 191         | Wah Bass 2                          | WahBass2 |
| 192         | Electric Bass (finger) 1            | FngrBass |
| 193         | Electric Bass (finger) 2            | FngrBas2 |
| 194         | Electric Bass (finger) 3            | FngrBas3 |
| 195         | Detuned Finger Bass                 | DtFngrBa |
| 196         | Dark Finger Bass                    | DarkFiBs |
| 197         | Finger Slap Bass                    | FngrSlap |
| 198         | Resonant Finger Bass                | ResoFnBa |
| 199         | Wah Finger Bass                     | WahFnBs  |
| 200         | Bass & Distorted Elec Guitar        | Ba&DtEG  |
| 201         | Electric Bass (pick) 1              | PickBass |
| 202         | Electric Bass (pick) 2              | PickBas2 |
| 203         | Mute Pick Bass                      | MuPkBass |
| 204         | Detuned Pick Bass                   | DetPicBs |
| 205         | Fretless Bass 1                     | Fretless |
| 206         | Fretless Bass 2                     | Fretlss2 |
| 207         | 1990 Bass                           | 90Bass   |
| 208         | Fretless Bass & Sine                | Fret&Sin |
| 209         | Fretless Bass Detuned 1             | FretDet1 |
| 210         | Fretless Bass Detuned 2             | FretDet2 |
| 211         | Fretless Bass Detuned 3             | FretDet3 |
| 212         | Slap Bass 1                         | SlapBas1 |
| 213         | Slap Bass 2                         | SlapBas2 |
| 214         | Slap Bass 3                         | SlapBas3 |
| 215         | Slap Bass 4                         | SlapBas4 |

| No.   | Name                      | LCD Name |
|---|---------------------------|----------|
| 216   | Power Slap Bass           | PowSlap  |
| 217   | Lash Thumb Bass           | LashThm  |
| 218   | Resonant Slap Bass        | ResonSlp |
| 219   | Velocity Switch Slap Bass | VeloSSlp |
| 220   | Synth Bass 1              | SynBass1 |
| 221   | Synth Bass 2              | SynBass2 |
| 222   | Synth Bass 3 (resonance)  | ResoBass |
| 223   | Synth Bass 4 (attack)     | AtackBas |
| 224   | Synth Bass (warm)         | WarmBass |
| 225   | Clavi Bass                | ClavBass |
| 226   | Hammer                    | Hammer   |
| 227   | Synth Bass (rubber)       | RubbBass |
| 228   | Attack Pulse              | AtackPls |
| <b>STRINGS &amp; ORCHESTRAL INSTRUMENTS</b> |                           |          |
| 229   | The Violin                | TheVin   |
| 230   | Violin 1                  | Violin   |
| 231   | Violin 2                  | Violin2  |
| 232   | Violin (slow attack)      | SlViolin |
| 233   | Mono Violin               | MonoVin  |
| 234   | Octave Violin             | OctVin   |
| 235   | Electric Violin           | EViolin  |
| 236   | Violin & Viola            | Vin&Vio  |
| 237   | Two Violin                | TwoVin   |
| 238   | Soft Violin               | SoftVin  |
| 239   | Velocity Violin           | VelVioli |
| 240   | Viola 1                   | Viola    |
| 241   | Viola 2                   | Viola2   |
| 242   | Viola 3                   | Viola3   |
| 243   | Dark Viola                | ViolaD   |
| 244   | Cello 1                   | Cello    |
| 245   | Cello 2                   | Cello2   |
| 246   | Cello 3                   | Cello3   |
| 247   | Cello 4                   | Cello4   |
| 248   | Celloen 16'               | Celloen  |
| 249   | Chamber Music             | Chamber  |
| 250   | Contrabass 1              | Contrabs |
| 251   | Contrabass 2              | Contrbs2 |
| 252   | Tremolo Strings 1         | TremStr  |
| 253   | Tremolo Strings 2         | TremStr2 |
| 254   | Slow Tremolo Strings 1    | SlwTrSt1 |
| 255   | Slow Tremolo Strings 2    | SlwTrSt2 |
| 256   | Pizzicato Strings 1       | PizzStr  |
| 257   | Pizzicato Strings 2       | PizzStr2 |
| 258   | Octave Pizzicato          | OctoPizz |
| 259   | Orchestral Harp 1         | Harp     |
| 260   | Orchestral Harp 2         | Harp2    |
| 261   | Yang Chin                 | YangChin |
| 262   | Africa                    | Africa   |
| 263   | Timpani 1                 | Timpani  |
| 264   | Timpani 2                 | Timpani2 |
| <b>ENSEMBLE</b>                             |                           |          |
| 265   | The Strings               | TheStr   |
| 266   | String Ensembles 1        | Strings1 |
| 267   | String Ensembles 2        | Strings2 |
| 268   | Synth Strings 1           | SynStrs1 |

| No.          | Name                 | LCD Name |
|--------------|----------------------|----------|
| 269          | Synth Strings 2      | SynStrs2 |
| 270          | Synth Strings 3      | SynStrs3 |
| 271          | Synth Strings 4      | SynStrs4 |
| 272          | Synth Strings 5      | SynStrs5 |
| 273          | Resonant Strings     | ResonSt  |
| 274          | Stereo Slow Strings  | SSlowStr |
| 275          | Slow Strings         | SlowStr  |
| 276          | Strings and Brass    | Str&Bras |
| 277          | Legato Strings       | LegatStr |
| 278          | Orchestra            | Orchstr  |
| 279          | Arco Strings         | ArcoStr  |
| 280          | 60's Strings         | 60'sStr  |
| 281          | 1970 Strings         | 70'Str   |
| 282          | Solo Strings         | SoloStr  |
| 283          | Choir Aahs 1         | ChoirAah |
| 284          | Choir Aahs 2         | ChoirAh2 |
| 285          | Choir Aahs 3         | ChoirAh3 |
| 286          | Choir Aahs 4         | ChoirAh4 |
| 287          | Mellow Choir         | MelCho   |
| 288          | Stereo Choir Aahs    | StChoir  |
| 289          | Strings & Choir      | StrChoir |
| 290          | Humming              | Humming  |
| 291          | Voice Oohs           | VoiceOoh |
| 292          | Analog Voice         | AnaVoice |
| 293          | Synth Voice          | SynVoice |
| 294          | Choral               | Choral   |
| 295          | Bass Hit Plus        | BassHit  |
| 296          | Orchestra Hit 1      | OrchHit  |
| 297          | Orchestra Hit 2      | OrchHi2  |
| 298          | Euro Hit             | EuroHit  |
| 299          | 6th Hit              | 6thHit   |
| <b>BRASS</b> |                      |          |
| 300          | Trumpet 1            | Trumpet  |
| 301          | Trumpet 2            | Trumpet2 |
| 302          | Trumpet 3            | Trumpet3 |
| 303          | Dark Trumpet Soft    | DarkTrp  |
| 304          | Resonant Trumpet     | ResoTp   |
| 305          | Sweet Trumpet        | SweetTp  |
| 306          | Wah Trumpet          | WahTp    |
| 307          | Trombone 1           | Trombone |
| 308          | Trombone 2           | Trmbone2 |
| 309          | Bright Trombone      | BritBone |
| 310          | Dark Trombone        | DarkTrom |
| 311          | Strings & Trombone   | Str&Trb  |
| 312          | Tuba 1               | Tuba     |
| 313          | Tuba 2               | Tuba2    |
| 314          | Tuba Solo            | TubaSolo |
| 315          | Soft Tuba            | SoftTuba |
| 316          | Muted Trumpet 1      | MuteTrp1 |
| 317          | Muted Trumpet 2      | MuteTrp2 |
| 318          | French Horn 1        | FrHorn   |
| 319          | French Horn 2 (warm) | FrHorn2  |
| 320          | French Horn 3        | FrHorn3  |
| 321          | Stereo French Horn   | StFrHorn |
| 322          | Horn Orchestra       | 5thHornO |



# Voice List

| No.         | Name                         | LCD Name  |
|-------------|------------------------------|-----------|
| 323         | Brass Section 1              | Brass     |
| 324         | Brass Section 2 (octave mix) | Brass2    |
| 325         | Brass Section 3              | Brass3    |
| 326         | Brass Section 4              | Brass4    |
| 327         | Brass Section 5              | Brass5    |
| 328         | Brass Swell                  | BrasSwel  |
| 329         | Brass Band                   | BrasBand  |
| 330         | Bright Brass Section         | BrBraSec  |
| 331         | Dark Brass                   | DarkBras  |
| 332         | Mute Brass Ensemble          | MuteEns   |
| 333         | Sforzato Brass               | SfrzBras  |
| 334         | Brass & Strings              | Bras&Str  |
| 335         | Synth Brass 1                | SynBras1  |
| 336         | Synth Brass 2                | SynBras2  |
| 337         | Synth Brass 3                | SynBras3  |
| 338         | Synth Brass 4                | SynBras4  |
| 339         | Analog Synth Brass 1         | AnaBras1  |
| 340         | Analog Synth Brass 2         | AnaBras2  |
| 341         | Jump Brass                   | JumpBras  |
| 342         | Octave Synth Brass           | SynBraOc  |
| 343         | Synth Brass & Strings 1      | SyBr&St1  |
| 344         | Synth Brass & Strings 2      | SyBr&St2  |
| 345         | Echo Brass                   | EchoBr    |
| <b>REED</b> |                              |           |
| 346         | Soprano Sax 1                | SprnoSax  |
| 347         | Soprano Sax 2                | SprnSax2  |
| 348         | Soprano Sax Soft             | SopSaxSf  |
| 349         | Slow Soprano Sax             | SlSopSax  |
| 350         | Sweet Soprano Sax            | SweSpSax  |
| 351         | Alto Sax                     | AltoSax   |
| 352         | Soft Alto Sax                | SoftAlto  |
| 353         | Super Alto Sax               | SuprAlto  |
| 354         | Sax Band                     | SaxBand   |
| 355         | Tenor Sax 1                  | TenorSax  |
| 356         | Tenor Sax 2                  | TenoSax2  |
| 357         | Baritone Sax                 | BariSax   |
| 358         | Soft Baritone Sax            | SoftBari  |
| 359         | Sweet Oboe                   | SwetOboe  |
| 360         | Oboe 1                       | Oboe      |
| 361         | Oboe 2                       | Oboe2     |
| 362         | English Horn 1               | EngHorn   |
| 363         | English Horn 2               | EngHorn2  |
| 364         | Analog Horns                 | AnaHorns  |
| 365         | Woodwinds                    | Woodwind  |
| 366         | Bassoon 1                    | Bassoon   |
| 367         | Bassoon 2                    | Bassoon2  |
| 368         | Clarinet 1                   | Clarinet  |
| 369         | Clarinet 2                   | Clarinet2 |
| <b>PIPE</b> |                              |           |
| 370         | Piccolo                      | Piccolo   |
| 371         | Flute                        | Flute     |
| 372         | Sweet Flute                  | SweeFlut  |
| 373         | Recorder                     | Recorder  |
| 374         | Sweet Pan Flute              | SwPanFu   |
| 375         | Pan Flute                    | PanFlute  |

| No.               | Name                       | LCD Name |
|-------------------|----------------------------|----------|
| 376               | Dark Pan Flute             | DarPanFu |
| 377               | Blown Bottle               | Bottle   |
| 378               | Shakuhachi                 | Shakhchi |
| 379               | Whistle 1                  | Whistle  |
| 380               | Whistle 2                  | Whistle2 |
| 381               | Ocarina                    | Ocarina  |
| <b>SYNTH LEAD</b> |                            |          |
| 382               | Lead 1 (square)            | SquareLd |
| 383               | Square                     | Square   |
| 384               | Lead 1b (sine)             | SineLead |
| 385               | Slow Square Lead           | SlwSquLd |
| 386               | Sine Solo                  | SineSolo |
| 387               | Square Lead 1              | SquarLd1 |
| 388               | Lead 1a (square 2)         | SquarLd2 |
| 389               | Thick Square               | ThickSqu |
| 390               | Corrie                     | Corrie   |
| 391               | Quint                      | Quint    |
| 392               | 2 Oscillators Lead         | 2OscLd   |
| 393               | Lead 2a (sawtooth 2)       | SawLead2 |
| 394               | Lead 2d (sequenced analog) | SquAnaLd |
| 395               | Wavy Sawtooth              | WavySaw  |
| 396               | Lead 2 (sawtooth)          | SawLead1 |
| 397               | Lead 2b (saw + pulse)      | SawPlsLd |
| 398               | Super Analog               | SuperAna |
| 399               | Big Lead                   | BigLead  |
| 400               | Lead 2c (double sawtooth)  | DubSawLd |
| 401               | Bauble Lead                | BaubleLd |
| 402               | PWM 4th                    | PWM4th   |
| 403               | Lead 3 (calliope)          | CaliopLd |
| 404               | Lead 4 (chiff)             | ChiffLd  |
| 405               | Lead 5 (charang)           | CharanLd |
| 406               | Lead 5a (wire lead)        | WireLead |
| 407               | Lead 6 (voice)             | VoicLd   |
| 408               | Lead 7 (fifths)            | FifthsLd |
| 409               | Fifths Lead Soft           | FifLdSf  |
| 410               | Fifth Lead                 | FifLead  |
| 411               | Lead 8 (bass + lead)       | BassLead |
| 412               | Massiness                  | Massin   |
| 413               | Lead 8a (soft wri)         | SftWriLd |
| <b>SYNTH PAD</b>  |                            |          |
| 414               | Pad 1 (new age)            | NewAgePd |
| 415               | Slow Square                | SlowSqu  |
| 416               | New Year Pad               | NewYrPd  |
| 417               | Pad 2 (warm)               | WarmPad  |
| 418               | PWM Pad                    | PWMPad   |
| 419               | Pad 2a (sine pad)          | SinePad  |
| 420               | Warmly Pad                 | WarmlyPd |
| 421               | Horn Pad                   | HornPad  |
| 422               | Pad 3 (polysynth) 1        | PolySyPd |
| 423               | Pad 3 (polysynth) 2        | PolySyP2 |
| 424               | Click Pad                  | ClickPd  |
| 425               | Analog Pad                 | AnaloPad |
| 426               | Poly Pad                   | PolyPad  |
| 427               | Pad 4 (choir)              | ChoirPad |
| 428               | Pad 4a (itopia)            | ltopiaPd |

| No.                 | Name                  | LCD Name |
|---------------------|-----------------------|----------|
| 429                 | Pad 5 (bowed) 1       | BowedPad |
| 430                 | Pad 5 (bowed) 2       | BowdPad2 |
| 431                 | Pad 6 (metallic) 1    | MetalPad |
| 432                 | Pad 6 (metallic) 2    | MetaPad2 |
| 433                 | Pan Pad               | PanPad   |
| 434                 | Pad 7 (halo) 1        | HaloPad  |
| 435                 | Pad 7 (halo) 2        | HaloPad2 |
| 436                 | Pad 8 (sweep) 1       | SweepPad |
| 437                 | Pad 8 (sweep) 2       | SweePad2 |
| 438                 | Dipolar Pad           | DipolPad |
| 439                 | Rising                | Rising   |
| 440                 | Congregate            | Congrega |
| <b>SYNTH SFX</b>    |                       |          |
| 441                 | FX 1 (rain)           | FXRain   |
| 442                 | FX 2 (soundtrack)     | Soundtrk |
| 443                 | Progenitor            | Progenit |
| 444                 | FX 3a (synth mallet)  | SynMalet |
| 445                 | FX 3 (crystal)        | Crystal  |
| 446                 | FX 4 (atmosphere)     | Atmosphr |
| 447                 | Warm Air              | WarmAir  |
| 448                 | FX 5 (brightness)     | Bright   |
| 449                 | Smog                  | Smog     |
| 450                 | FX 6 (goblins)        | Goblins  |
| 451                 | Choir Bell            | ChoirBel |
| 452                 | FX 7 (echoes) 1       | Echoes   |
| 453                 | FX 7 (echoes) 2       | Echoes2  |
| 454                 | FX 7a (echo bell) 1   | EchoBell |
| 455                 | FX 7a (echo bell) 2   | EchoBel2 |
| 456                 | FX 7b (echo pan)      | EchoPan  |
| 457                 | FX 8 (sci-fi)         | Sci-Fi   |
| <b>ETHNIC MISC.</b> |                       |          |
| 458                 | Sitar 1               | Sitar    |
| 459                 | Sitar 2 (bend)        | Sitar2   |
| 460                 | Banjo                 | Banjo    |
| 461                 | Shamisen              | Shamisen |
| 462                 | Koto                  | Koto     |
| 463                 | Taisho Koto           | TaishoKt |
| 464                 | Kalimba               | Kalimba  |
| 465                 | Bag Pipe              | Bagpipe  |
| 466                 | Fiddle                | Fiddle   |
| 467                 | Shana                 | Shanai   |
| <b>PERCUSSIVE</b>   |                       |          |
| 468                 | Tinkle Bell           | TnklBell |
| 469                 | Agogo                 | Agogo    |
| 470                 | Steel Drums           | SteelDrm |
| 471                 | Woodblock             | WoodBlok |
| 472                 | Castanets             | Castanet |
| 473                 | Taiko Drum            | TaikoDum |
| 474                 | Concert Bass Drum     | ConBasDm |
| 475                 | Melodic Tom 1         | MelodTom |
| 476                 | Melodic Tom 2 (power) | MeldTom2 |
| 477                 | Synth Drum            | SynDrum  |
| 478                 | Rhythm Box Tom        | RhythBox |
| 479                 | Electric Drum         | ElecDrum |
| 480                 | Reverse Cymbal        | RevCymb  |

# Voice List

| No.                   | Name                         | LCD Name  |
|-----------------------|------------------------------|-----------|
| <b>SFX</b>            |                              |           |
| 481                   | Guitar Fret Noise            | FretNoiz  |
| 482                   | Guitar Cutting Noise         | GtCtNoiz  |
| 483                   | Acoustic Bass String Slap    | BsStSlap  |
| 484                   | Breath Noise                 | BrthNoiz  |
| 485                   | Flute Key Click              | FlKeyClk  |
| 486                   | Seashore                     | Seashore  |
| 487                   | Rain                         | Rain      |
| 488                   | Thunder                      | Thunder   |
| 489                   | Wind                         | Wind      |
| 490                   | Stream                       | Stream    |
| 491                   | Bubble                       | Bubble    |
| 492                   | Bird Tweet 1                 | Tweet     |
| 493                   | Dog                          | Dog       |
| 494                   | Horse Gallop                 | HouseGlp  |
| 495                   | Bird Tweet 2                 | Tweet2    |
| 496                   | Sheep                        | Sheep     |
| 497                   | Telephone Ring 1             | Telephone |
| 498                   | Telephone Ring 2             | Telephon2 |
| 499                   | Door Creaking                | DoorCrek  |
| 500                   | Door                         | Door      |
| 501                   | Scratch                      | Scratch   |
| 502                   | Wind Chime                   | WindChim  |
| 503                   | Helicopter                   | Helicptr  |
| 504                   | Car Engine                   | CarEngin  |
| 505                   | Car Stop                     | CarStop   |
| 506                   | Car Pass                     | CarPass   |
| 507                   | Car Crash                    | CarCrash  |
| 508                   | Siren                        | Siren     |
| 509                   | Train                        | Train     |
| 510                   | Jetplane                     | Jetplane  |
| 511                   | Starship                     | Starship  |
| 512                   | Burst Noise                  | BurtNois  |
| 513                   | Applause                     | Applause  |
| 514                   | Laughing                     | Laughing  |
| 515                   | Screaming                    | Scream    |
| 516                   | Punch                        | Punch     |
| 517                   | Heart Beat                   | HeartBet  |
| 518                   | Footsteps                    | Footstep  |
| 519                   | Gunshot                      | Gunshot   |
| 520                   | Machine Gun                  | MachnGun  |
| 521                   | Lasergun                     | Lasergun  |
| 522                   | Explosion                    | Explosio  |
| <b>COMBINED VOICE</b> |                              |           |
| 523                   | Stereo Piano & Strings Pad   | StPn&Str  |
| 524                   | Stereo Piano & Choir         | StPn&Cho  |
| 525                   | Stereo Piano & Synth Strings | StPn&Syn  |
| 526                   | Stereo Piano & Warm Pad      | StPn&Pad  |
| 527                   | Stereo Piano & Soft Ep       | StPn&Ep   |
| 528                   | FM Electric Piano            | FMEp      |
| 529                   | Digital Piano                | DigiPn    |
| 530                   | E.Piano & Strings            | EP&Str    |
| 531                   | E.Piano & Ac Guitar          | EP&Gt     |
| 532                   | E.Piano & Vibraphone         | Ep&Vib    |
| 533                   | E.Piano 2 & Pad              | Ep&Pad    |

| No.                         | Name                           | LCD Name |
|-----------------------------|--------------------------------|----------|
| 534                         | E.Piano 2 & Strings            | Ep2&Str  |
| 535                         | Harpsichord & Stereo Strings   | Harps&St |
| 536                         | Music Box & Stereo Strings     | Mxb&Str  |
| 537                         | Vibraphone & Stereo Strings    | Vib&Str  |
| 538                         | Vibraphone Octave              | VibOct   |
| 539                         | Vibraphone & Marimba & Kalimba | VibMK    |
| 540                         | Marimba & Kalimba              | Mar&Kal  |
| 541                         | Marimba Delay                  | MarDel   |
| 542                         | Xylophone Octave               | XylopOct |
| 543                         | Organ & Stereo Strings         | Org&Str  |
| 544                         | Stereo Organ & Piano           | StOr&Pno |
| 545                         | Rock Organ & Strings           | RoOr&Str |
| 546                         | Church Organ & Choir           | ChuOr&Ch |
| 547                         | Church Organ & Strings         | ChuOr&St |
| 548                         | Acoustic Guitar & Flute        | Gt&Fl    |
| 549                         | Acoustic Guitar & Clav         | Gt&Cl    |
| 550                         | 24 String Guitar               | 24Gt     |
| 551                         | Steel Guitar & Warm Pad        | StGt&Pad |
| 552                         | Stereo Strings & Horn          | StStr&Hn |
| 553                         | Orchestra                      | Orchest  |
| 554                         | Full Strings 1                 | FullStr1 |
| 555                         | Full Strings 2                 | FullStr2 |
| 556                         | Symphonic                      | Symphon  |
| 557                         | Stereo Choir & Strings         | StCh&Str |
| 558                         | Stereo Choir & Steel Guitar    | Ch&Gt    |
| 559                         | 3 Trumpet Loose                | 3Trump   |
| 560                         | Trombone & Stereo Strings      | Tb&StStr |
| 561                         | 3 Trombones Loose              | 3Tromb   |
| 562                         | 3 Muted Trumpets Loose         | 3MuTrumb |
| 563                         | Club Brass                     | ClubBras |
| 564                         | Brass & Woodwinds              | Br&Wood  |
| 565                         | Woodwinds & Strings            | Wind&Str |
| 566                         | Section Woods Small            | WoodSma  |
| 567                         | Pan Flute & Strings Pad        | PanFu&St |
| 568                         | Koto & Shamisen                | Koto&Sh  |
| <b>ORIENTAL INSTRUMENTS</b> |                                |          |
| 569                         | Kanoun                         | Kanoun   |
| 570                         | Aoud                           | Aoud     |
| 571                         | Bouzouk                        | Bouzouk  |
| 572                         | Nay                            | Nay      |
| 573                         | Mizmar                         | Mizmar   |
| <b>DRUM SET</b>             |                                |          |
| 574                         | Standard Set                   | StandSet |
| 575                         | Room Set                       | RoomSet  |
| 576                         | Power Set                      | PowerSet |
| 577                         | Electronic Set                 | ElectSet |
| 578                         | Analog Set                     | AnalgSet |
| 579                         | Jazz Set                       | JazzSet  |
| 580                         | Brush Set                      | BrushSet |
| 581                         | Orchestra Set                  | OrcheSet |
| 582                         | SFX Set                        | SFXSet   |
| 583                         | Arabic Set                     | ArabiSet |

# Style List

| No.            | Name            | LCD Name |
|----------------|-----------------|----------|
| <b>8 BEAT</b>  |                 |          |
| 1              | 8Beat Piano     | 8BtPiano |
| 2              | 8Beat 1         | 8Beat1   |
| 3              | 8Beat Shuffle   | 8BtShufl |
| 4              | Guitar Pop 1    | GtPop1   |
| 5              | 8Beat Hip Hop   | 8BtHiHop |
| 6              | 8Beat R&B       | 8BeatR&B |
| 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>16 BEAT</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    | 16BDanc  |
| 28             | Pop 16Beat 2    | Pop16Bt2 |
| 29             | 16Beat 2        | 16Beat2  |
| 30             | Pop 16Beat 3    | Pop16Bt3 |
| 31             | Pop 16Beat 4    | Pop16Bt4 |
| 32             | Modem 16Beat    | Modm16B  |
| 33             | 16Beat Hot      | 16BtHot  |
| 34             | 16Beat Modem    | 16BModr  |
| 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     | PopShufl |
| <b>POP</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  |

| No.             | Name             | LCD Name |
|-----------------|------------------|----------|
| 53              | Soft Beat        | SoftBeat |
| 54              | 60's Pop         | 60'sPop  |
| 55              | Sting Latin      | StigLatn |
| <b>BALLAD</b>   |                  |          |
| 56              | R&B Ballad 1     | R&Bbld1  |
| 57              | Guitar Ballad    | GtBallad |
| 58              | Ballad Rook      | BalladRk |
| 59              | Piano Pop        | PianoPop |
| 60              | Soft Ballad      | SoftBald |
| 61              | Natural Ballad   | NatuBld  |
| 62              | Love Ballad      | LoveBld  |
| 63              | Easy Ballad      | EasyBld  |
| 64              | Miami Ballad     | MiamiBld |
| 65              | Slow Ballad      | SlowBald |
| 66              | Folk Ballad      | FolkBld  |
| 67              | Pop Ballad 1     | PopBld1  |
| 68              | Pop Ballad 2     | PopBld2  |
| 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'NR1    |
| 84              | Rock Shuffle     | RockShfl |
| 85              | Rock & Roll 2    | R'NR2    |
| <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     | SlowWlz1 |
| 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  |

| No.                    | Name              | LCD Name |
|------------------------|-------------------|----------|
| <b>DANCE</b>           |                   |          |
| 105                    | Techno 1          | Techno1  |
| 106                    | Hip Hop 1         | HipHop1  |
| 107                    | Dream Dance       | DrmDance |
| 108                    | House             | House    |
| 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      | HipHopSl |
| 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          | BigBand  |
| 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 |

## Style List

| No.                            | Name                | LCD Name |
|--------------------------------|---------------------|----------|
| 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         | Bluegrs1 |
| 164                            | Country 8Beat       | Ct8Beat  |
| 165                            | Modern Country      | ModernCt |
| 166                            | Country Pop 2       | CntyPop2 |
| 167                            | Bluegrass 2         | Bluegrs2 |
| 168                            | 2/4 Country         | 2/4Cntry |
| 169                            | Country Quick Steps | QuickStp |
| 170                            | Country Folk        | CntyFolk |
| 171                            | Country Shuffle     | CnyShuff |
| <b>LATIN &amp; LATIN DANCE</b> |                     |          |
| 172                            | Samba 3             | Samba3   |
| 173                            | Bossa Nova          | BosaNov  |
| 174                            | Latin               | Latin    |
| 175                            | New Reggae          | NewRegga |
| 176                            | Dance Reggae        | DanRegga |
| 177                            | Pasodoble           | Pasodobl |
| 178                            | Lite Bossa          | LteBossa |
| 179                            | Latin Rock          | LatinRck |
| 180                            | Beguine 3           | Beguine3 |
| 181                            | Slow Bolero         | SlBolero |
| 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                            | ViennaWaltz         | VinaWtz  |
| 199                            | Slow Waltz 2        | SlwWltz2 |
| 200                            | Jazz Waltz          | JzWaltz  |
| 201                            | Polka               | Polka    |
| 202                            | 6/8 March           | 6/8March |
| 203                            | German Polka        | GerPolka |
| 204                            | Party Polka         | PtyPolka |
| 205                            | Amy March           | AmrMarch |
| 206                            | March               | March    |
| 207                            | US March            | USMarch  |

| No.          | Name           | LCD Name |
|--------------|----------------|----------|
| 208          | Musette        | Musette  |
| 209          | French Musette | FMusette |
| 210          | Mazurke        | Mazurke  |
| <b>WORLD</b> |                |          |
| 211          | Enka Ballad    | EnkaBald |
| 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  |
| <b>ARAB</b>  |                |          |
| 221          | Zarb 6/8       | Zarb 6/8 |
| 222          | Zarb Tempo     | ZarbTemp |
| 223          | Bandary        | Bandary  |
| 224          | Zarb Daf       | Zarb Daf |
| 225          | Pop 2/4        | Pop 2/4  |
| 226          | Saidi IR       | Saidi IR |
| 227          | Cifte          | Cifte    |
| 228          | Baladi         | Baladi   |
| 229          | Masmoudi       | Masmoudi |
| 230          | Wehda          | Wehda    |

# Song List

| No.                       | Name  | LCD Name  |
|---------------------------|---|-----------|
| <b>FOLK &amp; COUNTRY</b> |   |           |
| 1                         | Red River Valley                            | RedRiver  |
| 2                         | Troika                                      | Troika    |
| 3                         | Susanna                                     | Susanna   |
| 4                         | Wave of Danube                              | Danube    |
| 5                         | Long Long Ago                               | LongAgo   |
| 6                         | Country                                     | Country   |
| 7                         | Bridge                                      | Bridge    |
| 8                         | In The Rain                                 | Rain      |
| 9                         | Killing Me Softly With His Song             | Sft Song  |
| 10                        | Santa Lucia                                 | SantaLuc  |
| 11                        | Jambalaya                                   | Jambalay  |
| 12                        | Ding! Dong! Merrily On High                 | DingDong  |
| 13                        | Battle Hymne Of The Republic                | Battle    |
| 14                        | The Old Gray Mare                           | GrayMare  |
| 15                        | American Patrol                             | USPatrol  |
| 16                        | Christmas Is Coming                         | IsComing  |
| 17                        | Sippin' Cider Through A Straw               | SCTStraw  |
| 18                        | Christmas Sound                             | Sound     |
| <b>GOLDEN &amp; POP</b>   |   |           |
| 19                        | On London Bridge                            | LdBridge  |
| 20                        | Are You Lonesome Tonight                    | Lonesome  |
| 21                        | Only You                                    | OnlyYou   |
| 22                        | End Of The World                            | EndWorld  |
| 23                        | House Of Rising Sun                         | HouseSun  |
| 24                        | Solveig's Song                              | Solveig   |
| 25                        | The Blue-Bells Of Scotland                  | BlueBell  |
| 26                        | Over The Rainbow                            | Rainbow   |
| 27                        | Beautiful Dreamer                           | Dreamer   |
| 28                        | It'S Been A Long Long Time                  | LongTime  |
| 29                        | Edelweiss                                   | Edelweis  |
| 30                        | O Sole Mio                                  | OSoleMio  |
| 31                        | Der Deitcher's Dog                          | DerDDog   |
| 32                        | Joy to The World                            | JoyWorld  |
| 33                        | Silent Night                                | SltNight  |
| 34                        | Ave Maria                                   | AveMaria  |
| 35                        | Five Hundred Miles                          | FHMiles   |
| 36                        | Happy New Year                              | HappyNY   |
| 37                        | It's Beginning To Look A Lot Like Christmas | LikeXmas  |
| 38                        | Jeanie With The Light Brown Hair            | LighHair  |
| 39                        | My Bonnie                                   | MyBonnie  |
| 40                        | Song Of The Pearlfisher                     | SongOfTP  |
| 41                        | Summer Palace                               | SummerPa  |
| 42                        | Go Tell It On The Mountain                  | GoTellIt  |
| 43                        | Entertainer                                 | Entertai  |
| 44                        | Annie Laurie                                | AnnieLau  |
| 45                        | Rumba Romance                               | Romance   |
| 46                        | El Bimbo                                    | ElBimbo   |
| 47                        | Last Rose Of Summer                         | LastRose  |
| 48                        | The Old King Cole                           | OldKingC  |
| <b>CLASSICAL</b>          |   |           |
| 49                        | Pianosonatan 08 IN Cm IN Pathetique         | Piano08   |
| 50                        | Brahms Waltz                                | BrmsWaltz |
| 51                        | Aida  | Aida      |

| No.                      | Name                                     | LCD Name |
|--------------------------|--|----------|
| 52                       | Carmen-Prelude                           | Carmen2  |
| 53                       | L'Arlesienne                             | L'Arlesi |
| 54                       | Ungarische Tanz                          | Uungaris |
| 55                       | Mazurka                                  | Mazurka  |
| 56                       | Pizzicato Polka                          | Polka    |
| 57                       | Menuett                                  | Menuett  |
| 58                       | Rigoletto                                | Rigolett |
| 59                       | Serenade                                 | Serenade |
| 60                       | Song Without Words                       | SongNoWd |
| 61                       | Swan                                     | Swan     |
| 62                       | Prelude To Act 2 (Swan Lake)             | SwanLak1 |
| 63                       | Valse (Swan lake)                        | SwanLak2 |
| 64                       | The Happy Farmer                         | HpFarmer |
| 65                       | The Sleeping Beauty                      | SleepBty |
| 66                       | La Traviata                              | LaTravia |
| 67                       | Wiegenlied                               | Wiegenli |
| 68                       | Mov.2 Adagio Non Troppo                  | Sonata9  |
| 69                       | Piano Sonata No.9 In D                   | Sonata11 |
|                          | Mov.1 Andante Grazioso Piano Sonata      |          |
|                          | No.11 In A [Alla TurSonata11ca]          |          |
| 70                       | Prelude In C                             | Prelude  |
| 71                       | Chinese Dance                            | ChDance  |
| 72                       | Emperors Waltz                           | EmprWalz |
| 73                       | March Militaire                          | MilMar1  |
| 74                       | Symphony No.40                           | Symphony |
| <b>JAZZ &amp; FUSION</b> |  |          |
| 75                       | ShanZhaShu                               | ShanZhaS |
| 76                       | You Are My Sunshine                      | MySun    |
| 77                       | June Samba                               | JunSamba |
| 78                       | Funk                                     | Funk     |
| 79                       | I Can.....                               | I Can... |
| 80                       | Sea Shore                                | SeaShore |
| 81                       | Guitar&Saxphone                          | Gt&Sax   |
| 82                       | The Hip Hop's Night                      | HipHopNt |
| 83                       | Blue Lunch                               | BluLunch |
| 84                       | Cobweb                                   | Cobweb   |
| 85                       | Wine                                     | Wine     |
| 86                       | Jazz Old Man                             | JzOldMan |
| 87                       | Dark Eyes                                | DarkEyes |
| 88                       | Carlos                                   | Carlos   |
| 89                       | Sad                                      | Sad      |
| 90                       | The Jazz                                 | TheJazz  |
| <b>PIANO</b>             |  |          |
| 91                       | Fur Elise                                | FurElise |
| 92                       | Military March                           | MMarch   |
| 93                       | Habanera                                 | Habanera |
| 94                       | Minuet                                   | Minuet   |
| 95                       | Austria Variation                        | AVariati |
| 96                       | Old Macdonald Had A Farm                 | OldAFarm |
| 97                       | Wedding March                            | Wedding  |
| 98                       | 2-Part Invention #13 In A Minor.B.W. Iii | Invntion |
| 99                       | Minuet In G                              | MinuetG  |
| 100                      | Turkish March                            | TurkishM |
| 101                      | Hey Diddle Diddle                        | HeDiddle |

# Song List

| No. | Name                          | LCD Name |
|-----|-------------------------------|----------|
| 102 | Italian Polka                 | ItaPolka |
| 103 | Moseta Dance                  | MosetaDn |
| 104 | Bulie Dance                   | BulieDn  |
| 105 | Fantasia                      | Fantasia |
| 106 | Wild Rose                     | WildRose |
| 107 | Away In A Manger              | AwayInAM |
| 108 | Jack & Jill                   | JackJill |
| 109 | Angles We Have Heard On High  | Angles   |
| 110 | Waltz                         | Waltz    |
| 111 | Did You Ever See A Lassie     | Lassie   |
| 112 | Chopsticks                    | Chopstik |
| 113 | Four Little Swans             | FLSwans  |
| 114 | Old France                    | OldFranc |
| 115 | Jesus Saviour Pilot Me        | PilotMe  |
| 116 | Eclogue                       | Eclogue  |
| 117 | Santa Claus Is Coming To Town | SantaCT  |
| 118 | Brave Cavalier                | Cavalier |
| 119 | America The Beautiful         | USFair   |
| 120 | Music Box Dancer              | Dancer   |

# Demo List

| No. | Name             | LCD Name |
|-----|------------------|----------|
| 1   | Funk             | Funk     |
| 2   | Ballad           | Ballad   |
| 3   | Dream of freedom | Dream    |
| 4   | Jazz             | Jazz     |
| 5   | Fusion           | Fusion   |

# Chord List

| Chord Name (Abbreviation)            | Normal Voicing                     | Chord  | Display |
|--------------------------------------|------------------------------------|--------|---------|
| Major [M]                            | 1-3-5                              | C      | C       |
| Major sixth [6]                      | 1-(3)-5-6                          | C6     | C6      |
| Major seventh [M7]                   | 1-3-(5)-7                          | CM7    | CM7     |
| Major seventh sharp eleventh [M7#11] | 1-(2)-3-#4-(5)-7                   | CM7#11 | CM7#11  |
| Major add ninth [Madd9]              | 1-2-3-5                            | Cmadd9 | CM(9)   |
| Major ninth [M9]                     | 1-2-3-(5)-7                        | CM9    | CM7(9)  |
| Major sixth add ninth [6 9]          | 1-2-3-(5)-6                        | C6 9   | C6(9)   |
| Augmented [aug]                      | 1-3-#5                             | Caug   | Caug    |
| Minor [m]                            | 1-b3-5                             | Cm     | Cm      |
| Minor sixth [m6]                     | 1-b3-5-6                           | Cm6    | Cm6     |
| Minor seventh [m7]                   | 1-b3-(5)-b7                        | Cm7    | Cm7     |
| Minor seventh flatted fifth [m7b5]   | 1-b3-b5-b7                         | Cm7b5  | Cm7b5   |
| Minor add ninth [madd9]              | 1-2-b3-5                           | Cmadd9 | Cm(9)   |
| Minor ninth [m9]                     | 1-2-b3-(5)-b7                      | Cm9    | Cm7(9)  |
| Minor eleventh [m11]                 | 1-(2)-b3-4-5-(b7)                  | Cm11   | Cm7(11) |
| Minor major ninth [mM7]              | 1-b3-(5)-7                         | CmM7   | CmM7    |
| Minor major ninth [mM9]              | 1-2-b3-(5)-7                       | CmM9   | CmM7(9) |
| Diminished [dim]                     | 1-b3-b5                            | Cdim   | Cdim    |
| Diminished seventh [dim7]            | 1-b3-b5-6                          | Cdim7  | Cdim7   |
| Seventh [7]                          | 1-3-(5)-b7                         | C7     | C7      |
| Seventh suspended fourth [7sus4]     | 1-4-5-b7                           | C7sus4 | C7sus4  |
| Seventh flatted fifth [7b5]          | 1-3-b5-b7                          | C7b5   | C7b5    |
| Seventh ninth [7 9]                  | 1-2-3-(5)-b7                       | C7 9   | C7(9)   |
| Seventh sharp eleventh [7#11]        | 1-2-3-#4-(5)-b7 or 1-(2)-3-#4-5-b7 | C7#11  | C7(#11) |
| Seventh thirteenth [7 13]            | 1- 3-(5)-6-b7 or 2- 3-5-6-b7       | C7 13  | C7(13)  |
| Seventh flatted ninth [7b9]          | 1-b2-3-(5)-b7                      | C7b9   | C7(b9)  |
| Seventh flatted thirteenth [7b13]    | 1-3-5-b6-b7                        | C7b13  | C7(b13) |
| Seventh sharp ninth [7#9]            | (1)-#2-3-(5)-b7                    | C7#9   | C7(#9)  |
| Major seventh augmented [M7aug]      | 1-3-#5-7                           | CM7aug | CM7aug  |
| Seventh augmented [7aug]             | (1)-3-#5-b7                        | C7aug  | C7aug   |
| Suspended fourth [sus4]              | 1-4-5                              | Csus4  | Csus4   |
| One plus two plus five [1+2+5]       | 1-2-5                              | C1+2+5 | C       |

## MIDI Implementation Chart

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

- Mode 3: OMNI OFF, POLY
- Mode 4: OMNI OFF, MONO x: NO