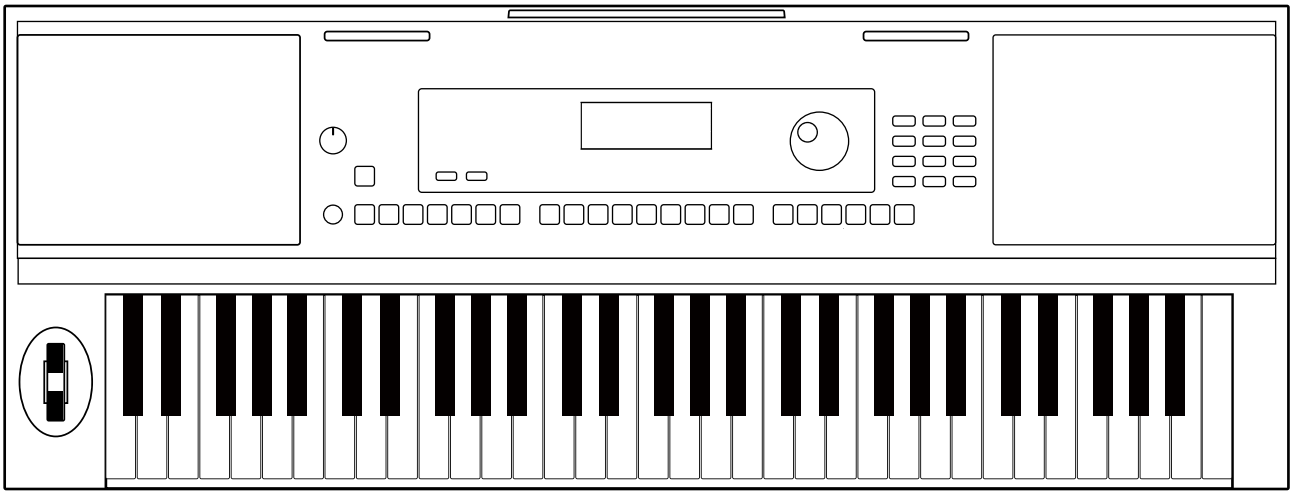
MEDELI



MK300

MUSIC KEYBOARD
OWNER'S MANUAL

Important Messages

Please read this page carefully before operating and keep this manual properly for convenient reference in the future.

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 this product may be subject to strong electromagnetic interference. Should the circumstances arise, please follow the relevant instructions in this manual to restore the product to its default settings. Otherwise, try moving the product to another location.

PACKING LIST

Dear customer, please double-check the following items upon receiving the package:

- This instrument
- 12V power adapter
- Assembly kit
- Owner's manual
- Warranty

Power supply

Please connect the power adapter provided in the package to a power socket with the correct voltage. DO NOT connect to power sources with unmatched voltages. Unplug this device during thunderstorms or when the device is not in active use.

Connections

Power off all devices before making connections. This will effectively prevent potential malfunctioning & damage.

Precautions

To avoid deformation, discoloration or other more serious damages, DO NOT place this instrument in:

- direct sunlight
- extremely hot environments or too close to a heat source (such as a heater)
- severe cold such as snowy and icy outdoors
- dusty environments, or places with high temperatures, high humidity, or unstable locations where strong vibrations or displacements may occur
- proximity of strong electromagnetic fields

Interference

To avoid unwanted interference, please keep this instrument at a proper distance from televisions, radios, and cell phones.

Maintenance

Use only soft, dry cloth for cleaning. DO NOT use thinners, solvents, detergents, or wipes soaked with chemicals.
DO NOT apply excessive force when handling switches & knobs.
This instrument is safe for use in tropical climates with a maximum operating temperature of 45°C.
The maximum operating altitude is determined by the selected model of the power adapter.

Handling

Please avoid getting scraps of paper, metal, or other materials inside this instrument. If this happens, unplug this unit and have it checked by a qualified maintenance personnel.
Also, unplug this unit before moving it to another location.

Contents

Control Panel 4

Interface 6

Display 6

Setup 7
Power Supply 7
Installing the Music Stand 7

Connections 8
Connecting a Computer 8
Connecting a Pedal 8
Connecting a pair of Headphones 8
Connecting an Audio Equipment 8

Power / Master Volume 9
Turn the Power On / Off 9
Adjust the Master Volume 9

Playing Demo Songs 9

Playing Sound 10

Playing Styles 10

Playing Songs 10

Record 11

Sounds 11
Selecting a Sound 11
Playing Two Sounds Simultaneously (Layer) 12
Playing Different Sounds with Each Hand (Split) 12

Auto Accompaniment 13
Play Auto Accompaniment (rhythm tracks only) 13
Play Auto Accompaniment (all tracks) 13
Accompaniment Sections 14
Playing Different Accompaniment Sections 14
Fade 15
Accompaniment Volume 15
Chord Fingering 16
Tempo 17

Function Menu 18
Tune 18
Split Point 19
Beat Type 19
Pedal Type 19
EQ Type 20
Reverb Type 20
Reverb Level 20
Chorus Type 21
Chorus Level 21
Harmony Type 21
MIDI IN / OUT 22
Auto Power Off 22

Mixer 22

Effect Related Settings 23
Octave 23
Touch 23
Metronome 24
Sustain 24
Pitch Bend 24
DSP 24
Transpose 25
Harmony 25

Register Memory 26
Registering the Panel Setting 26
Recalling the Registered Panel Settings 26
Selecting a Registration Bank 26

Quick Setting 27

Record 27
Prepare for Recording 27
Start Recording 28
Stop Recording 28
Playback Recording 28
Delete Recording 29

Playing the Demo Song 29

Piano Mode 29

Song 30
Listen to the songs 30
Song Control 30
Lesson Mode 30

Chord Dictionary 32
DICT 1 (Chord Learning Mode) 32
DICT 2 (Chord Testing Mode) 32
Exit Chord Dictionary 32

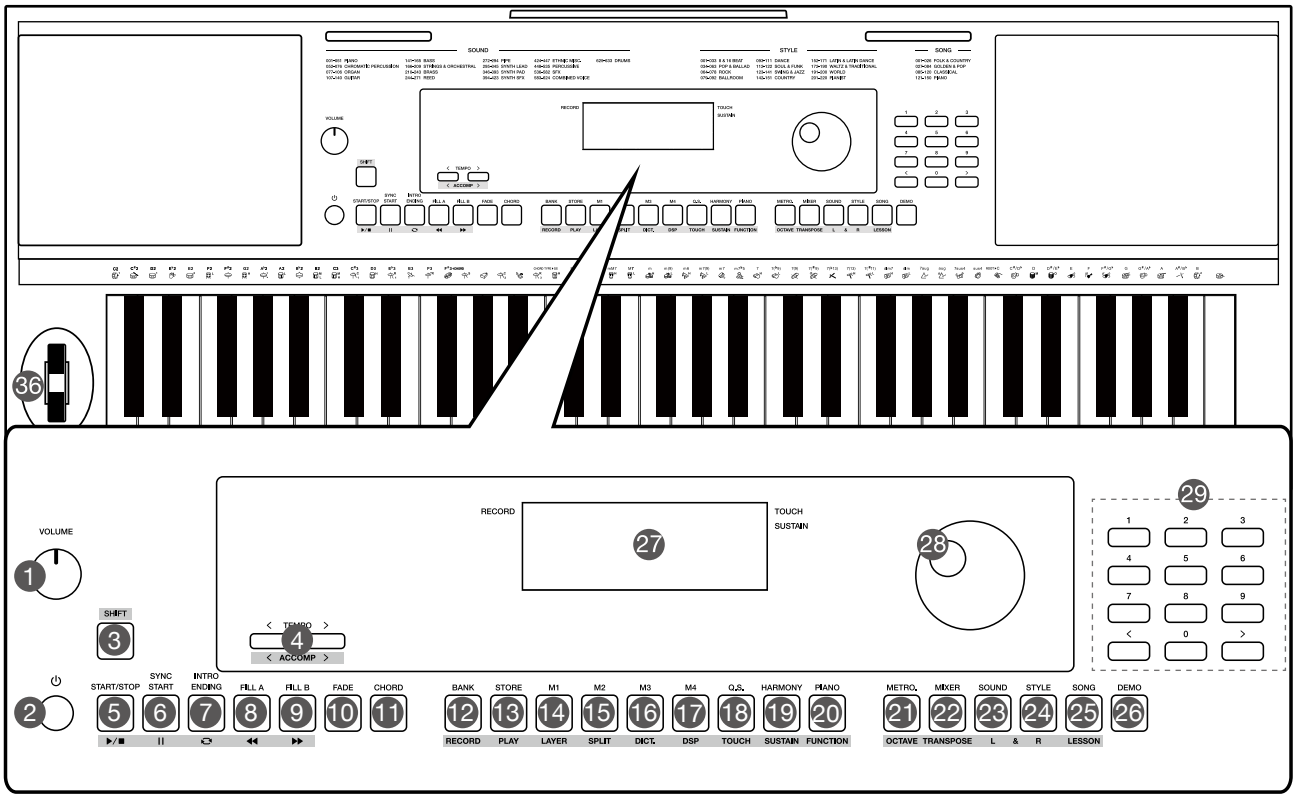
Pedal Function 33
Multi-function Pedal 33

MIDI 34
What's MIDI? 34
The main application of MIDI 34

Troubleshooting 35

Appendices
Specifications 36
Sound List 37
Style List 44
Song List 47
Demo List 48
MIDI Implementation Chart 49

Control Panel



1. [VOLUME] Knob
   Adjust the master volume.

2. [⏻] Switch
   Turn the Power on or off.

3. [SHIFT] Button
   Hold down to activate secondary functions of other buttons.

10. [FADE] Button
    Turn the fade-in or fade-out function on or off.

11. [CHORD] Button
    Turn the Chord mode on or off.

In Song Mode

5. [▶/■] Button
   Start or Stop playing the song.

6. [⏸] Button
   Pause or continue playing the song.

7. [🔁] Button
   Set the start and the end for a loop section within the current song

8. [◀◀] Button
   Rewind the song.

9. [▶▶] Button
   Fast forward the song.

In Style Mode

5. [START/STOP] Button
   Start or Stop playing the style.

6. [SYNC START] Button
   Turn the Sync Start on or off.

7. [INTRO/ENDING] Button
   Play the Intro or Ending.

8. [FILL A] Button
   Play the fill-in pattern A.

9. [FILL B] Button
   Play the fill-in pattern B.

When the [SHIFT] Button released

4. [TEMPO <]/[TEMPO >] Button
   Adjust the current Tempo.

12. [BANK] Button
    Select a memory bank.

13. [STORE] Button
    Register the panel settings.

14-17. [M1]~[M4] Buttons
    Recall a registered panel setting.

18. [Q.S.] Button
    Turn the Quick Setting function on or off.

19. [HARMONY] Button
    Turn the Harmony effect on or off.

20. [PIANO] Button
    Enter the Piano mode.

21. [METRO.] Button
    Turn the metronome on or off.

22. [MIXER] Button
    Enter the Mixer menu.

23. [SOUND] Button
    Enter the SOUND mode.

24. [STYLE] Button
    Enter the Style mode.

25. [SONG] Button
    Enter the Song mode.

---

26. [DEMO] Button
    Enter the Demo Mode.

27. LCD Display
    Display all parameters and values related to the current operation.

28. Data dial
    Adjust the parameter value.

29. [<]/[>] and NUMERIC buttons
    Set parameters value and/or input numbers.

When the [SHIFT] Button pressed

4. [ACCOMP <]/[ACCOMP >] Button
   Adjust the accompaniment volume.

12. [RECORD] Button
    Enter the Recording mode.

13. [PLAY] Button
    Play back the recording.

14. [LAYER] Button
    Turn the Layer function on or off.

15. [SPLIT] Button
    Turn the Split function on or off.

16. [DICT.] Button
    Enter the Chord Dictionary.

17. [DSP] Button
    Turn the DSP function on or off.

18. [TOUCH] Button
    Turn the Touch Response on or off.

19. [SUSTAIN] Button
    Turn the Sustain function on or off.

20. [FUNCTION] Button
    Enter the Function menu.

21. [OCTAVE] Button
    Enter the Octave setting menu.

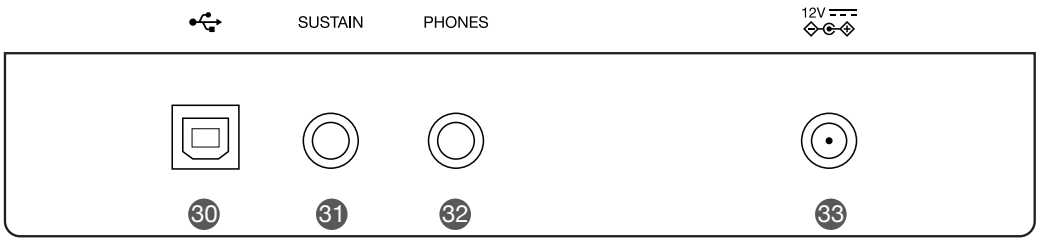
22. [TRANSPOSE] Button
    Enter the Transpose setting menu.

23. [L] Button
    Choose to practise the left hand part in Lesson Mode.

24. [R] Button
    Choose to practise the right hand part in Lesson Mode.

25. [LESSON] Button
    Enter the Lesson Mode.

Interface



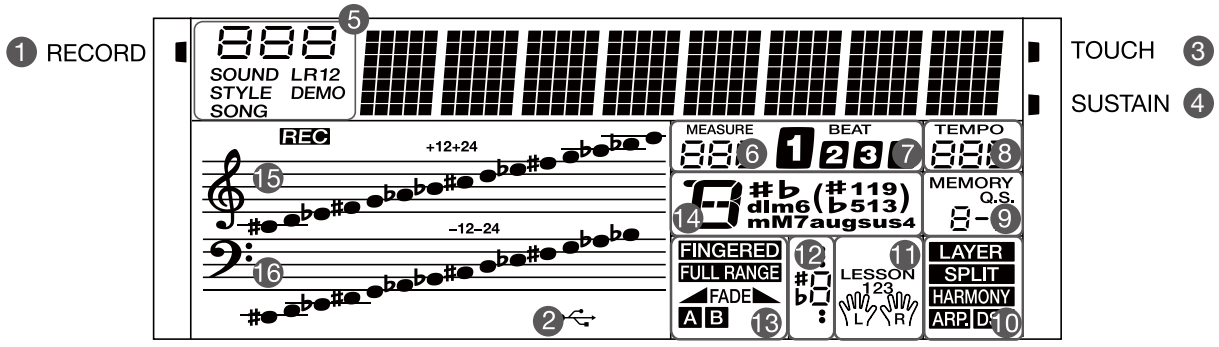
30. [USB]
Connect to a computer.

31. [SUSTAIN]
Connect a sustain pedal.

32. [PHONES]
Connect a pair of headphones or external audio equipment.

33. [DC-IN]
Connect the DC 12V power adaptor (optional).

Display



1. RECORD
2. USB CONNECTION
3. TOUCH
4. SUSTAIN
5. SOUND/STYLE/DEMO/SONG
6. MEASURE
7. BEAT
8. TEMPO
9. MEMORY/QUICK SETTING
10. LAYER, SPLIT, HARMONY, ARP., DSP
11. LEFT/RIGHT HAND, LESSON 1/2/3
12. NOTE INDICATION
13. FINGERED, FULL RANGE, FADE, ACCOMPANIMENT SECTION
14. CHORD NAME
15. TREBLE CLEF
16. BASS CLEF

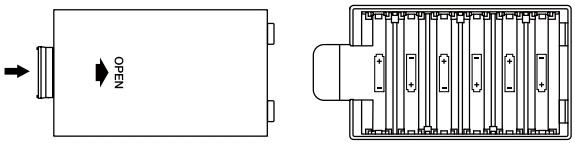
Setup

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

Power Supply

You can power the instrument either by batteries or by power adaptor. Before switching on the instrument, please turn down the volume of both the instrument and any connected audio equipment.

Using Batteries



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

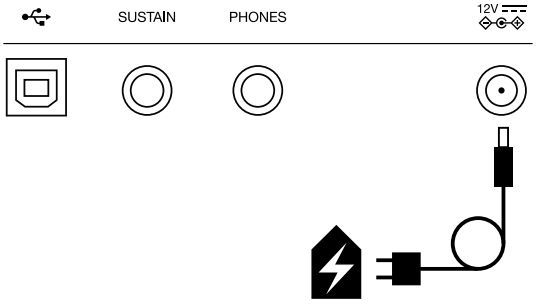
1. Open the battery compartment cover located on the bottom of the instrument.

2. Insert the batteries, carefully follow the polarity markings on the cabinet.

3. Replace the compartment cover, making sure that it locks firmly in place.

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

Using Power Adapter



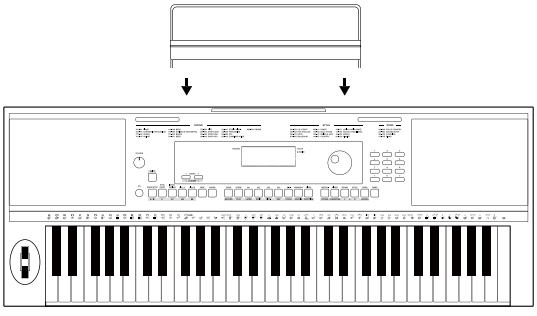
1. Connect the adaptor to the [DC-IN] jack of this instrument.
2. Plug the adaptor into an AC outlet.
3. Press the [⏻] switch, the LCD screen will light up, indicating that the instrument is powered on.
4. To turn off the instrument, press the [⏻] switch again.



Note:
1. This instrument automatically powers off after 30 minutes of standby to conserve energy. Please refer to “Auto Power Off” for details.
2. For your safety, please unplug the instrument when it is not in active use or during a thunderstorm.

Installing the Music Stand

To install the included music stand, simply insert the stand into the slots on the rear panel.

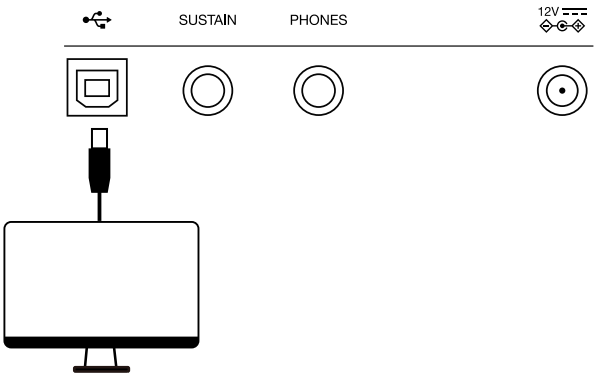


Connections

Connecting a Computer

The instrument receives and transmits MIDI messages via the [USB] jack. Use a USB cable to connect the instrument to a computer.

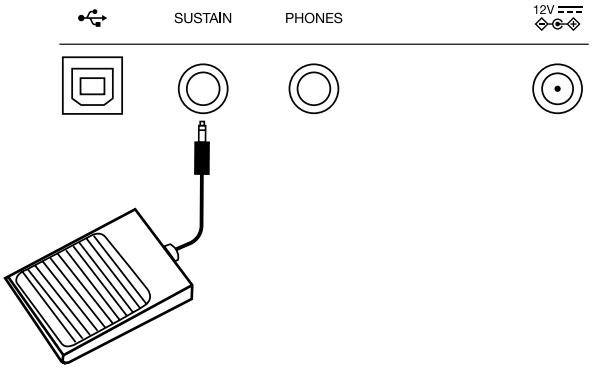
Note:
We recommend using a USB2.0 interface when connecting the instrument to a computer.



Connecting a Pedal

An optional pedal can be plugged into the [SUSTAIN] jack, to which you can assign one of the 4 pedal functions from the Function Menu: Sustain, Soft, Memory Switch and Style Start/ Stop.

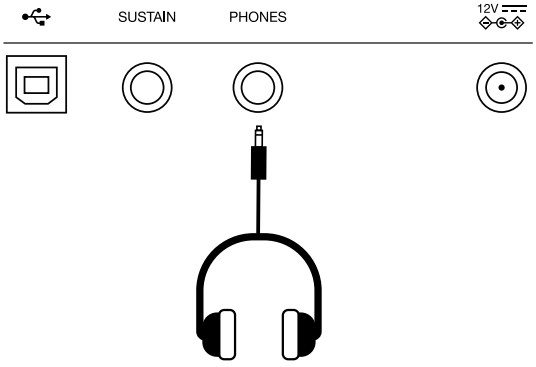
When set to “Sustain”, all notes you play on the keyboard will have a longer sustain when pressing the pedal down. (Refer to the Function Menu for details.)



Connecting a pair of Headphones

A standard pair of stereo headphones can be connected to the [PHONES] jack for private practice or late-night playing. When headphones are connected, the instrument’s built in speakers will be automatically muted.

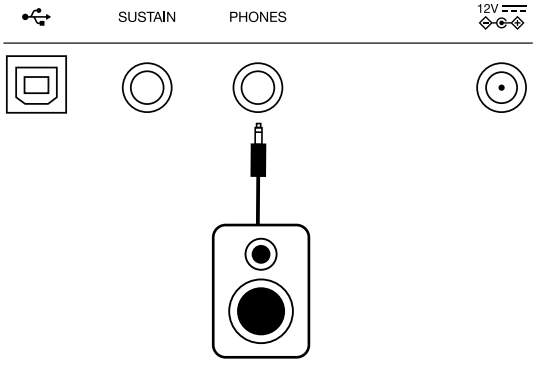
Note:
To avoid the risk of hearing loss, do not listen with headphones at high volume level for a long period of time.



Connecting an Audio Equipment

The rear-panel [PHONES] jack can also send the output of the instrument to an external audio equipment such as a keyboard amplifier, a stereo sound system, a mixing console, or a tape recorder.

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



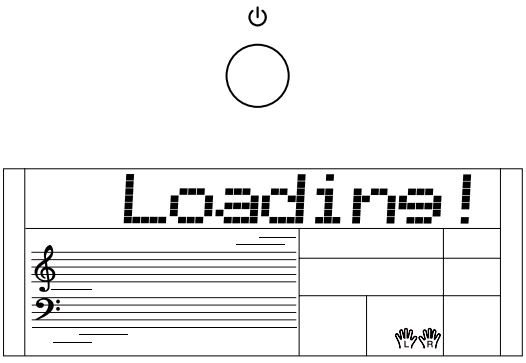
Power / Master Volume

Turn the Power On / Off

1. Make sure the instrument is properly powered via batteries or the power adaptor.

2. Press [⏻] Switch, the LCD screen will light up, indicating that the instrument is powered on.

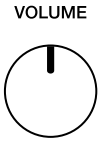
Note:
If the screen isn't lit after pressing the [⏻] switch, please check the power connection.



Adjust the Master Volume

Rotate the [VOLUME] knob clockwise to increase the master volume, or counter-clockwise to decrease. Adjust the volume as required.

Note:
If the keyboard produces no sound, check if the volume is set to minimum or if headphones are plugged into the [PHONES] jack.



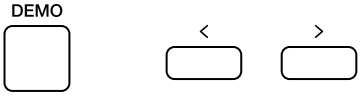
Playing Demo Songs

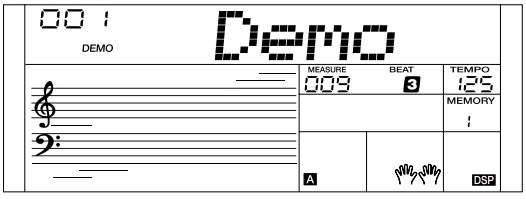
This instrument features several wonderful demos (refer to the 'Demo List' for details).

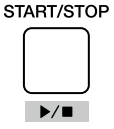
1. Press the [DEMO] button, the LCD will display the current demo number and name, meanwhile, all demo songs will play in a loop.

2. Use the Data dial or the [<]/[>] button to select a demo song.

3. Press the [DEMO] or [START/STOP] button to stop the play back and exit Demo mode.





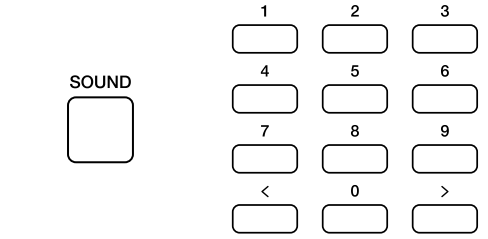


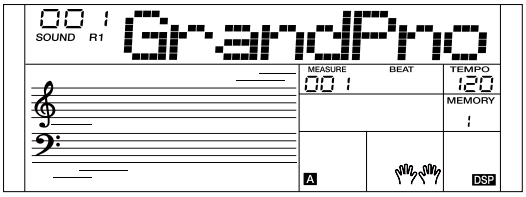
Playing Sound

1. Press the [SOUND] button to enter the Sound mode. The LCD will display the current default sound name and number.

2. Use the Data dial, the numeric buttons or the [<]/[>] button to select the sound you want to play.

3. Play the keyboard and enjoy the beautiful sound.



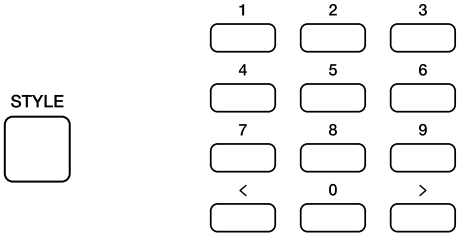


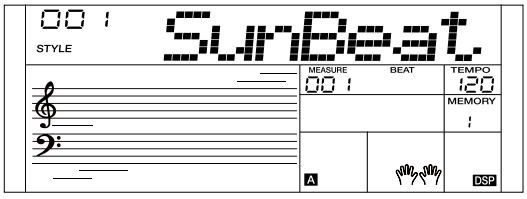
Playing Styles

1. Press the [STYLE] button to enter the Style mode. The LCD will display the current default style name and number.

2. Use the Data dial, the numeric buttons or the [<]/[>] button to select the style you want to play.

3. Press the [START/STOP] button to immediately start the rhythm tracks of the style. Or you can press the [SYNC START] button, then press a key to start the rhythm.





Playing Songs

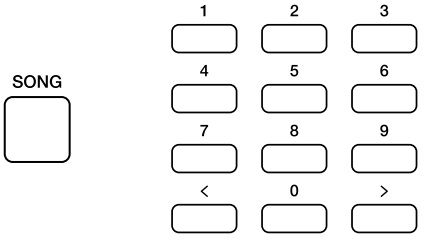
This instrument features a variety of preset songs, and each song can be practiced in LESSON mode.

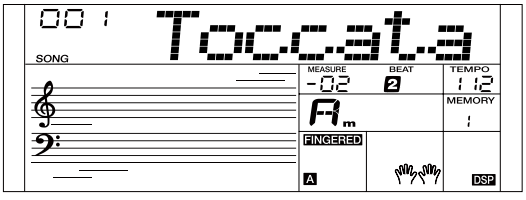
1. Press the [SONG] button to enter Song mode.The instrument will begin to loop all preset songs.

2. Use the Data dial, the number keys or the [+/YES]/[-/NO] button to select the song you want to play.

3. Press the [START/STOP] button to stop the playback. Press the button again to restart and loop the selected song repeatedly.

4. To exit the Song mode, press the [SOUND] or [STYLE] button when no song is playing.





Record

You can also record and save your performance.

1. Press and hold the [SHIFT] button, then press the [RECORD] button. This will take you to the User Song Selection interface. Use the Data dial or the [<]/[>] buttons to select a user song where your recording will be saved.

2. Press and hold the [SHIFT] button, then press the [RECORD] button again. This will put you in Record Standby mode, where you can select the sound, style, or other settings for your recording.

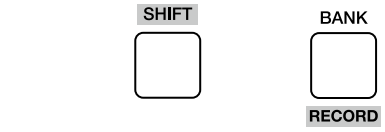
3. Press the [START/STOP] button or play a key on the keyboard to start recording.

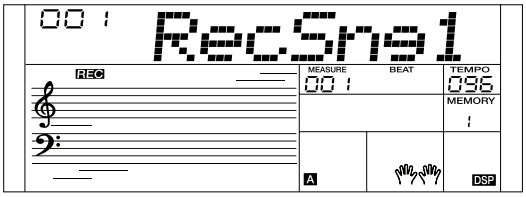
4. Press and hold the [SHIFT] button, then press the [RECORD] button to stop and save the recording.

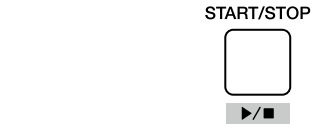
5. To play back a recorded song, press and hold the [SHIFT] button, then press the [PLAY] button. This will take you to the Playback Selection interface. Use the Data dial or the [<]/[>] buttons to select the recorded song you wish to play back. Press and hold the [SHIFT] button, then press the [PLAY] button to start playback.

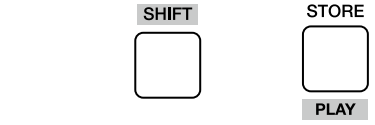
6. While playing back recorded songs, you can press and hold the [SHIFT] button and then press the [PLAY] button to exit the playing back.

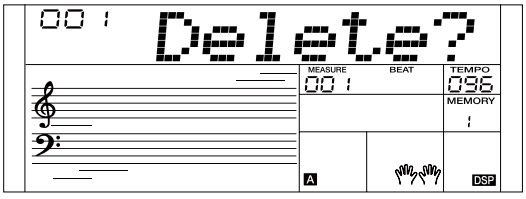
7. In the Playback Selection interface, press and hold the [SHIFT] button and then press the [RECORD] button. A prompt reading “Delete?” will appear. Press [>] to delete the song or [<] to cancel and return to the Playback Selection interface.











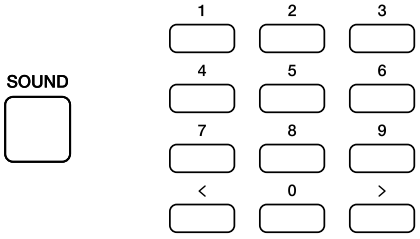
Sounds

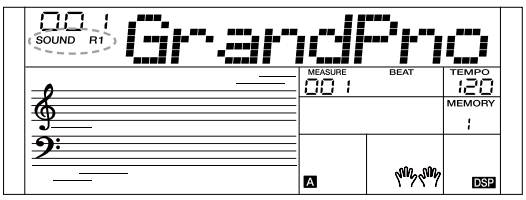
The instrument features a variety of built-in voices .Experiment with different sounds and various preset effects. Please refer to the Sound list for details.

Selecting a Sound

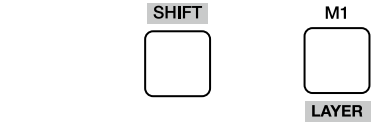
After powering on, the “SOUND R1” icon will light up and the LCD will display the current sound name and number. Use the Data dial, the numeric buttons or [<]/[>] button to select the sound you want to play.

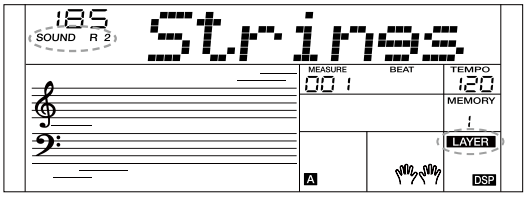
Note:
While in other modes, you can press the [SOUND] button to switch back to Sound mode. The “SOUND R1” icon will light up and the LCD will display the name of R1.





Playing Two Sounds Simultaneously (Layer)





The Layer function allows two different sounds to be layered, creating rich combinations. To use this function:

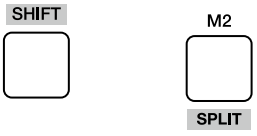
1. In idle mode, press and hold the [SHIFT] button and then press the [LAYER] button to turn the Layer function on. The LCD will display the current sound name and number, and "SOUND R 2" and "LAYER" will light up. Use the Data dial, the numeric buttons or [<]/[>]button to select the desired sound for R2. The default sound for R2 is: String Ensembles.

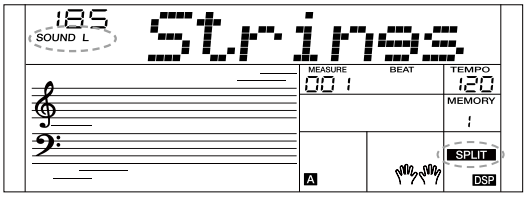
2. Play the keyboard to hear the two layered sounds. It will sound as though two different instruments are playing the same notes simultaneously.

3. When dual function is on, press and hold the [SHIFT] button and then press the [LAYER] button to turn it off.

Note:
When the keyboard is split, only the right-hand section will produce the layered sound.

Playing Different Sounds with Each Hand (Split)





The split function splits the keyboard into the left and the right-hand sections, each with a different sound. The left hand sound is displayed as "SOUND L" . The default split point is F#3 (19), however, you can set the split point to any key as required (refer to "Split Point" for more details).

1. In idle mode, press and hold the [SHIFT] button and then press the [SPLIT] button to turn the split function on. The LCD will display the left-hand sound name and number, and the indicate "SOUND L" and "SPLIT" will light up.

2. You can use the Data dial, the numeric buttons or the [<]/[>] button to select the Sound L you want to play.
   The default Sound L is: String Ensembles.

3. Play the keyboard with both hands and you will hear two different sounds.

4. When split function is on, press and hold the [SHIFT] button and then press the [SPLIT] button to turn it off.

Auto Accompaniment

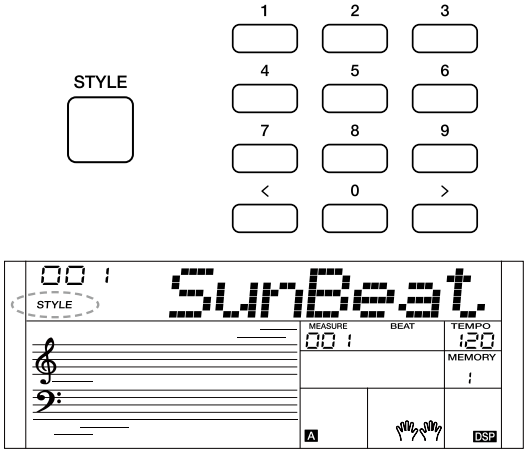
The auto accompaniment feature puts a full backing band at your fingertips. To use it, all you have to do is to play the chords with your left hand in the selected accompaniment style, and then the accompaniment will automatically play along, instantly following the chords you play. With auto accompaniment,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

Play Auto Accompaniment (rhythm tracks only)

1. Press the [STYLE] button to enter the Style mode.The “STYLE” icon on the LCD will light up, and the name and number of the current style will be displayed.

2. Use the Data dial, the numeric buttons or the [+/YES]/ [-/NO] button to select a 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.



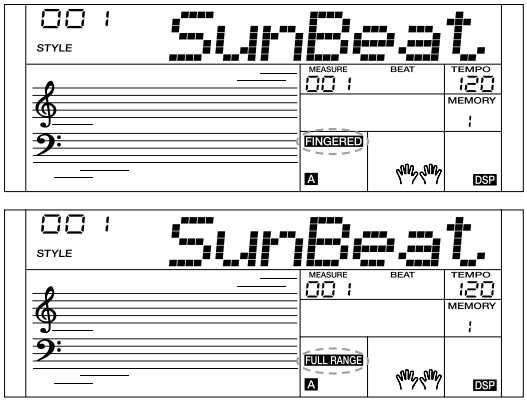


Play Auto Accompaniment (all tracks)

1. In style mode, you can press the [CHORD] button to activate Chord mode. The keyboard is now split into two sections and the left-hand section becomes the chord section. The “FINGERED” icon will light up. Press any key in the chord section (with Sync Start engaged or when a style in playing) to start the auto accompaniment.
   Press [CHORD] button again to enter “full range” mode. The “FULL RANGE” icon will light up. You can play chords over the entire keyboard using multi-fingering.

2. Press the [SYNC START] button to engage/disengage SYNC START when no style is playing. Then play a chord in chord section to start the auto accompaniment of all tracks. The accompaniment will automatically follow as you change chords. You can also press [START/STOP] button to start the auto accompaniment’s rhythm track, rhythm track, then play a chord in the chord section to start all tracks.





Accompaniment Sections

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

Intro Section

The Intro is the opening section of a song. The accompaniment will automatically shift to the Main section when the intro finishes.

Main Section

The Main section is the main body of a song. When the style is playing, the selected Main section will loop until switching to the other Main section (A or B).

Fill-In Section

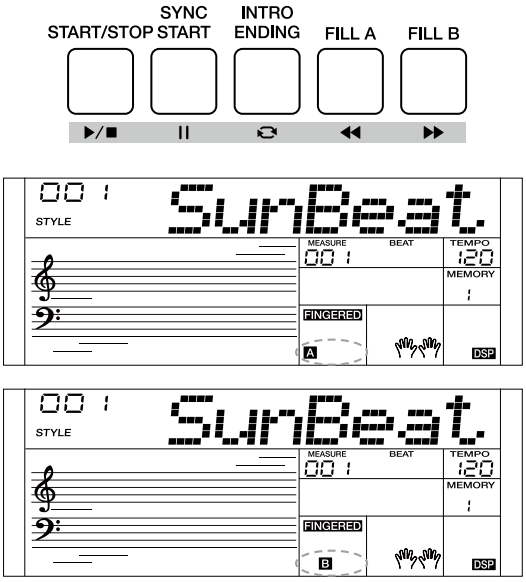
The Auto Fill-In function inserts a fill-in pattern while switching between Main sections.

Ending Section

The Ending section is used to conclude a song. The accompaniment will automatically stop when the Ending section concludes.

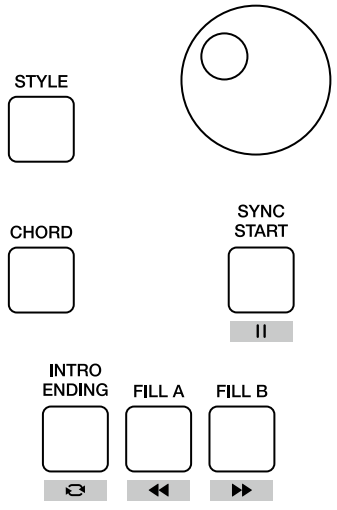
Note:

1. When the style is playing, hold down the [FILL A]/[FILL B] button to loop the Fill-In pattern.
2. When no style is playing, press the [FILL A] or [FILL B] button to put Main A or B section on standby. “A” or “B” will light up on the LCD.



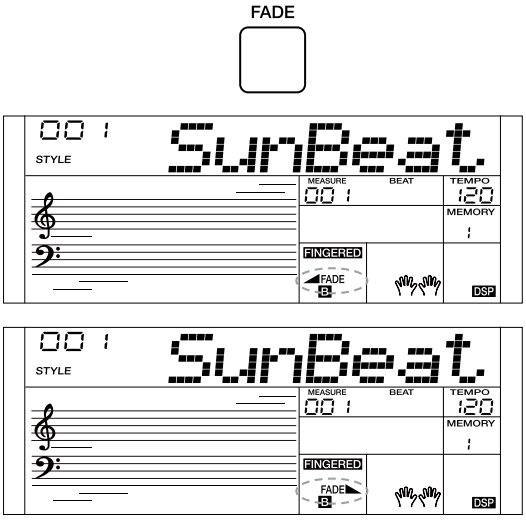
Playing Different Accompaniment Sections

1. Press the [STYLE] button.
2. Use the Data dial or [+/YES]/ [-/NO] button to select a style.
3. Press [CHORD] button to activate Chord mode.
4. Press [SYNC START] button.
5. Press the [FILL A] buttonto put the Main A section on standby. The “A” will light up on the LCD.
6. Press the [INTRO/ENDING] button.to put the Intro section on standby.
7. Now, play a chord in the left-hand section to start the auto accompaniment. The accompaniment will start with the Intro section, and automatically shift to Main A section when the Intro finishes.



8. Press the [FILL B] button to play Fill-In pattern B. The accompaniment will automatically shift to Main B section afterwards.
9. Press the [INTRO/ENDING] button again to shift to the Ending section. The accompaniment will automatically stop when the Ending section concludes.

Fade



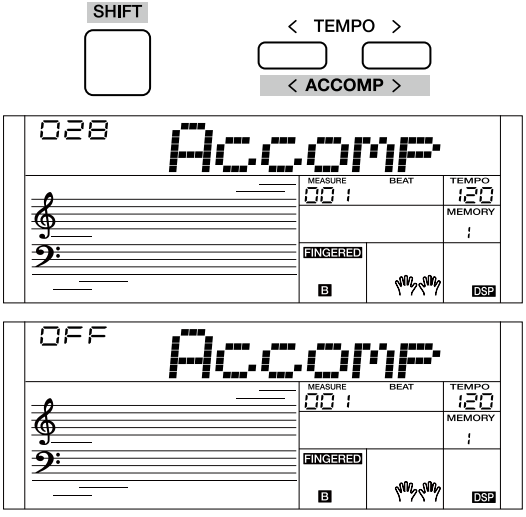
1. Fade-In
   Fade-In creates a smooth volume increase for starting the style. To engage the Fade-In function, press the [FADE] button when no style is playing. The "◢ FADE" icon will light up and flash as the style starts.

2. Fade-Out
   Fade-Out creates a smooth volume decrease for ending the style. To engage Fade-Out, press the [FADE] button during playback. The "FADE ◣" will light up and flash as the volume starts to gradually decrease.

3. Fade-In/Out Time
   The default time is 10 seconds.

Accompaniment Volume

You can adjust the accompaniment volume for a desired balance between the accompaniment and the sound you play.



1. Press and hold the [SHIFT] button, and then use the [ACCOMP <]/[ACCOMP >] button to set accompaniment volume. The adjustable range is 0~32 and the LCD will display the current parameter.

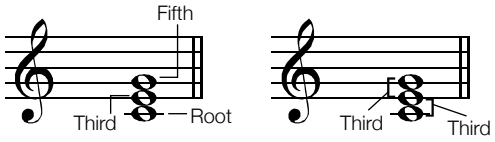
2. Press and hold the [SHIFT] button and then hold the [ACCOMP <]/[ACCOMP >] to accelerate the adjustment.

3. When LCD displays the volume level, hold the [SHIFT] button and press the [ACCOMP <] and [ACCOMP >] buttons simultaneously to mute the accompaniment. The LCD will display "OFF Accomp". Repeat this operation to un-mute the accompaniment.

Note:
The instrument will exit the setting if there are no adjustments made within 5 seconds.

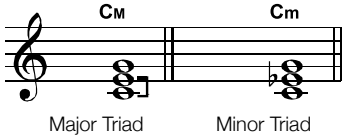
Chord Fingering

The way the chords are played in the left-hand chord section is referred to as “fingering”. There are 2 types of fingerings as described below.



Chord Basics

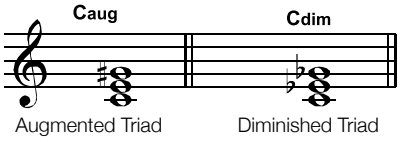
A chord, in music, is any harmonic set of three or more notes that is heard as if sounding simultaneously. The most frequently encountered chords are triads. A triad is a set of three notes that can be stacked in thirds. When stacked in thirds, the triad’s notes, from lowest pitched tone to highest,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



Triad Type

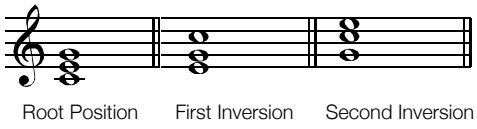
There are following basic triad types:

Button	Operation
Major Triad	A root with a major third added above and a perfect fifth forms a “Major Triad”.
Minor Triad	A root with a minor third added above and a perfect fifth forms a “Minor Triad”.
Augmented Triad	A root with a major third added above and an augmented fifth forms an “Augmented Triad”.
Diminished Triad	A root with a minor third added above and a diminished fifth forms a “Diminished Triad”.



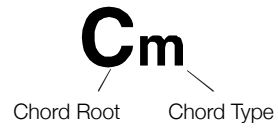
Chord Inversion

We define a chord as an “inversion chord” when its root is not in the bass (i.e., the root is not the lowest note).When the root is the lowest note, the chord is called a “root-position chord”. If either the Third or the Fifth takes the place of the root as the lowest note, the chord is considered an ‘inversion’ and is referred to as an ‘inversion chord.’ Below are examples of a major triad and its inverted forms.



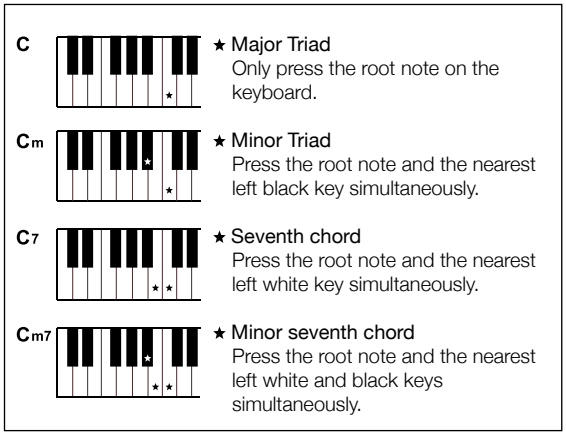
Chord Name

The chord name contains two parts: Chord Root and Chord Type.



Single Finger

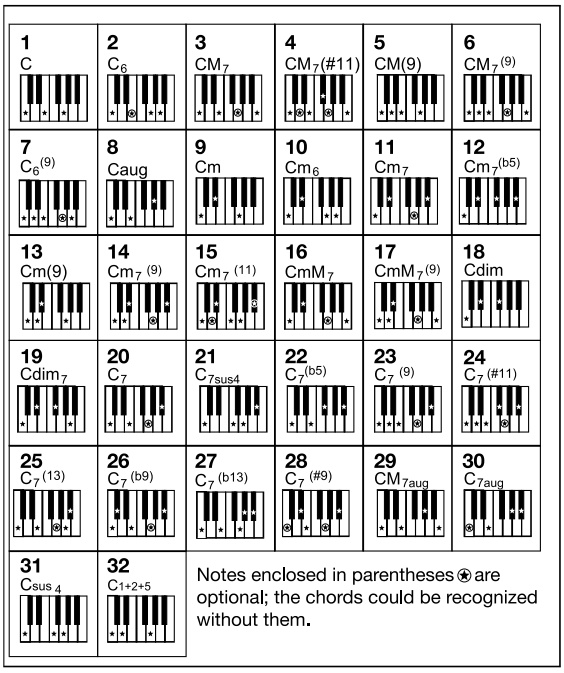
Single Finger mode detects both single and normal fingerings. The single fingering allows for playing chords with than three keys. including major, minor, seventh, and minor seventh chords. Refer to the chart on the right for details.



Multi-finger

Multi-Finger mode detects only normal fingering. Refer to the chart on the right for the 32 available C chords.

Note:
Full Range mode detects normal fingering for the entire keyboard, not limited to the left-hand chord section.



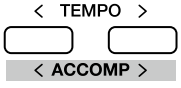
Tempo

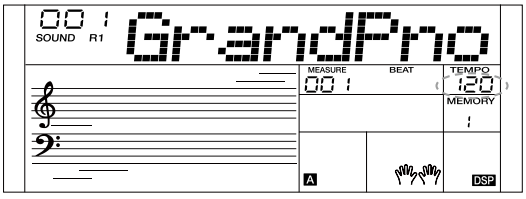
Each style of the instrument has been set with a default or standard tempo; however, this can be changed by using the [TEMPO <]/[TEMPO >] button.

1. Use the [TEMPO <]/[TEMPO >] button to adjust the tempo. While the tempo value is flashing, you can also use the Data dial to make the adjustment.

2. Press the [TEMPO <] and [TEMPO >] buttons simultaneously to reset the current style to its default tempo.

Note:
When no style is playing, switching to another style will also change the tempo to the new style's default. However, switching style during playback will not result in tempo change.





Function Menu

Press and hold the [SHIFT] button and then press the [FUNCTION] button to access the Function menu. The LCD will displays the current function's parameter/option. Use the [<]/[>] button or the Data dial to adjust the parameter/option of the current function.



The option and parameters are as follows:

No.	Function	LCD display	Range/Option	Default
1	Tune	xxx Tune	-50 ~ +50	0
2	SPlit Point	xxx SPlit pt	1-61	19
3	Beat Type	xxx Beat	0, 2-9	4
4	Pedal Type	xxx Ped XXX	Ped Sust, Ped Soft, Ped Mem, Ped St/S	Ped Sust
5	EQ Type	xxx EQ XXX	EQ Pop, EQ Rock, EQ Class, EQ Jazz, EQ Dance, EQ Reset	EQ Reset
6	Reverb Type	xxx RevHall 1	RevRoom 1, RevRoom 2, RevRoom 3, RevHall 1, RevHall 2, RevHall 3, RevChrh 1, RevChrh 2, RevDelay, RevPnDly	RevHall 1
7	Reverb Level	xxx Rev Lev	0-32	20
8	Chorus Type	xxx ChrGMCr 2	ChrChrs 1, ChrChrs 2, ChrGMCr 1, ChrGMCr 2, ChrFlgr 1, ChrFlgr 2, ChrRtry 1, ChrRtry 2	ChrGMCr 2
9	Chorus Level	xxx Chr Lev	0-32	0
10	Harmony Types	xxx HrmDuet	HrmDuet, HrmStdTri, HrmFulCd, HrmRkDut, HrmCtDut, HrmCtTri, HrmBlock, Hrm4Cls1, Hrm4Cls2, Hrm4Open, Hrm1+5, HrmOctv1, HrmOctv2, HrmStrum	HrmDuet
11	MIDI Receive	xxx Midi In	01-16, ALL	ALL
12	MIDI Transmit	xxx Midi Out	01-16	01
13	Auto Power Off	xxx PowerOff	30, 60, OFF	30

Note:
The instrument will exit the function menu if there is no operation within 5 seconds.

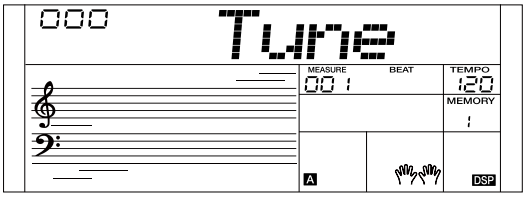
Tune

This function allows for adjusting the pitch of entire keyboard in 2-cent increments.



1. Press and hold the [SHIFT] button and then press the [FUNCTION] button to select the tune menu. The LCD displays "xxx Tune".
   Use the [<]/[>] button or the Data dial to adjust the Tune value ranging from -50 to +50 .

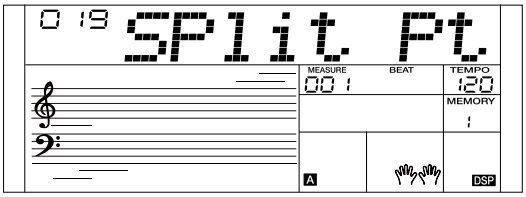
2. Press [<] and [>] buttons simultaneously to restore the Tune value to its default setting: 0.
   The setting applies to both accompaniment and the sound you play.



Split Point

This function sets the point which separates the entire keyboard to two sections. The left hand section controls the auto accompaniment when the chord function is on, or it plays the lower sounds when the chord function is off.





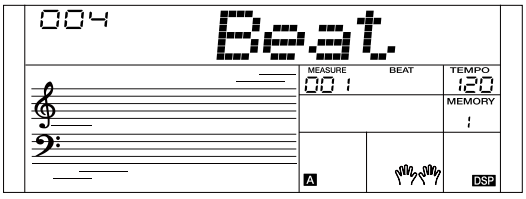
1. Press and hold the [SHIFT] button and then repeatedly press the [FUNCTION] button to select Split Point menu. The LCD will display “xxx SPlit Pt”. Use [<]/[>] button or Data dial to change Split Point. The range of Split Point is: 1~61.

2. Press [<] and [>] buttons simultaneously to restore the split point to its default setting.

Note:
The Split Point belongs to the left-hand section.

Beat Type



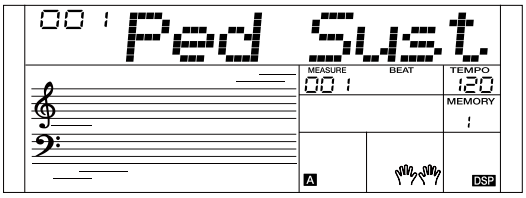


1. Press and hold the [SHIFT] button and then repeatedly press the [FUNCTION] button to select Beat Type menu. The LCD will display “xxx Beat”.
   Use the [<]/[>] button or Data dial to change beat type. The available beat types are: 0, 2~9.

2. Press [<] and [>] buttons simultaneously to restore the beat type to its default setting: 4.

Pedal Type





1. Press and hold the [SHIFT] button and then repeatedly press the [FUNCTION] button to select Pedal Type menu. The LCD will display “001 Ped Sust”.
   Use the [<]/[>] button or data dial to change pedal type.

2. There are 4 types of pedal function available.

3. Press [<] and [>] buttons simultaneously will set the pedal type to its default setting: Sust.

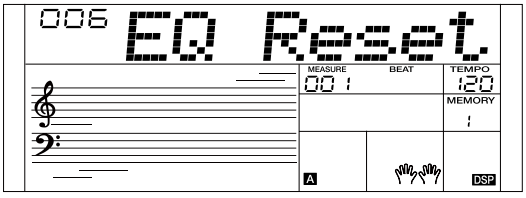
No.	LCD	Pedal Function
1	Ped Sust	Sustain Pedal
2	Ped Soft	Soft Pedal
3	Ped Mem	Memory Switch Pedal
4	Ped St/S	Start/Stop Pedal

Note:
1. The instrument automatically detects the pedal when powering on.
2. Do not press the pedal when powering on the instrument. This will reverse the pressing/depressing of the pedal.

EQ Type

1. Press and hold the [SHIFT] button and then repeatedly press the [FUNCTION] button to select the EQ Type menu. The LCD will display “006 EQ Reset”.
   Use the [<]/[>] button or the Data dial to change EQ type.





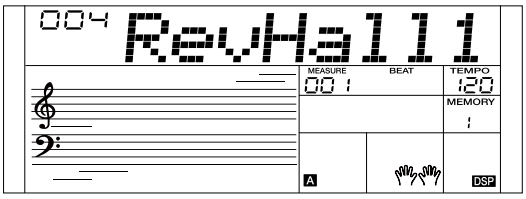
There are 6 EQ types available:

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

Reverb Type

1. Press and hold the [SHIFT] button and then repeatedly press the [FUNCTION] button to select Reverb Type menu. The LCD will display “004 RevHall 1”.
   Use the [<]/[>] button or data dial to change reverb type. The default setting is RevHall 1.





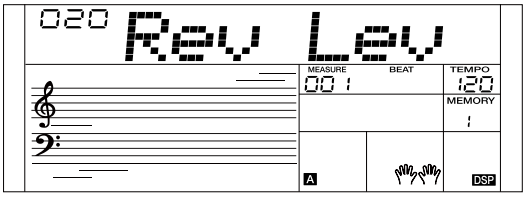
No.	LCD	Reverb Type
1	RevRoom 1	Room 1
2	RevRoom 2	Room 2
3	RevRoom 3	Room 3
4	RevHall 1	Hall 1
5	RevHall 2	Hall 2
6	RevHall 3	Hall 3
7	RevChrh 1	Church 1
8	RevChrh 2	Church 2
9	RevDelay	Delay
10	RevPnDly	Pan Delay

Reverb Level

1. Press and hold the [SHIFT] button and then repeatedly press the [FUNCTION] button to select reverb level. The LCD will display “xxx Rev Lev”, adjustable range is: 0-32.
   Use the [<]/[>] button or Data dial to adjust the reverb level.

2. Press the [<] and [>] buttons simultaneously to restore the reverb level to its default setting: 20.

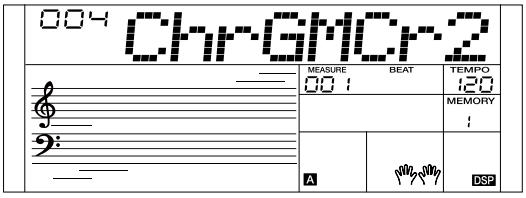




Chorus Type



Press and hold the [SHIFT] button and then repeatedly press the [FUNCTION] button to select Chorus Type. The LCD will display “004 ChrGMCr2”.
Use the [<]/[>] button or Data dial to change chorus type, the default setting is ChrGMCr2”.



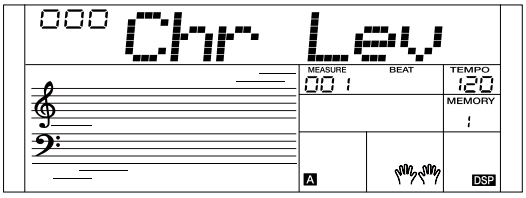
No.	LCD	Chorus Type
1	ChrChrs1	Chorus1
2	ChrChrs2	Chorus2
3	ChrGMCr1	GM Chorus1
4	ChrGMCr2	GM Chorus2
5	ChrFlgr1	Flanger1
6	ChrFlgr2	Flanger2
7	ChrRtry1	Rotary1
8	ChrRtry2	Rotary2

Chorus Level



1. Press and hold the [SHIFT] button and then repeatedly press the [FUNCTION] button to access the Chorus Level menu. The LCD will display “xxx Chr Lev”, adjustable range: 0-32.
   Use the [<]/[>] button or the Data dial to adjust chorus level.

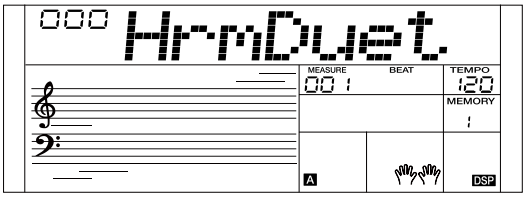
2. Press the [<] and [<] buttons simultaneously to restore the chorus level to its default setting: 0.



Harmony Type



Press and hold the [SHIFT] button and then repeatedly press the [FUNCTION] button to select Harmony Type. The LCD will display “001 HrmDuet”.
Use the [<]/[>] button or Data dial to change Harmony Type, the default setting is HrmDuet.



No.	LCD	Harmony Type
1	HrmDuet	Duet
2	HrmSdTri	Standard Trio
3	HrmFulCd	Full Chord
4	HrmRkDut	Rock Duet
5	HrmCtDut	Country Duet
6	HrmCtTri	Country Trio
7	HrmBlock	Block
8	Hrm4Cls1	4Close 1
9	Hrm4Cls2	4Close 2
10	Hrm4Open	4Open
11	Hrm1+5	1+5
12	HrmOctv1	Octave 1
13	HrmOctv2	Octave 2
14	HrmStrum	Strum

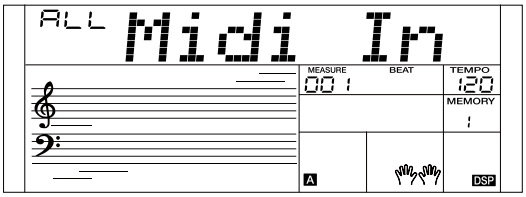
MIDI IN / OUT

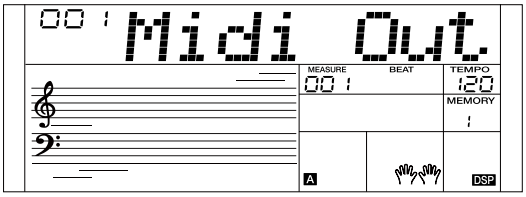


1. Press and hold the [SHIFT] button and then repeatedly press the [FUNCTION] button to select MIDI IN/OUT menu. The LCD displays “xxx Midi In”/ “xxx Midi Out”.

2. Use the [<]/[>] button or Data dial to set the MIDI IN channel: 1~16, ALL.
   Press [<] and [>] buttons simultaneously to restore MIDI IN channel to its default setting: ALL.

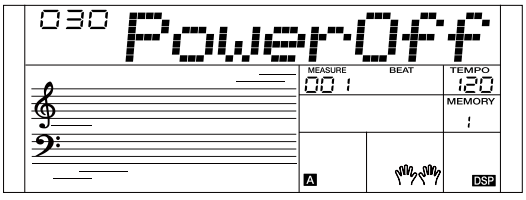
3. Use the [<]/[>] button or Data dial to change MIDI OUT channel: 1~16.
   Press [<] and [>] buttons simultaneously to restore MIDI OUT channel to its default setting: 1.





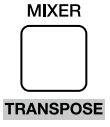
Auto Power Off

1. Press and hold the [SHIFT] button and then repeatedly press the [FUNCTION] button to select Auto Power Off menu. The LCD will display “xxx PowerOff”.
   Use the [<]/[>] button or the Data dial to change auto power off time. This function offers 3 options: 30 minutes, 60 minutes or OFF. The default setting is 30 minutes.



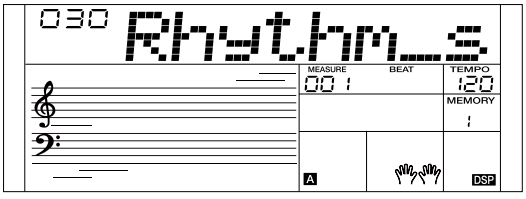
Mixer

Mixer function adjusts separately the volume of different tracks.



1. Press the [MIXER] button to access the Mixer function menu. Upon first entering this menu after powering on the instrument, the LCD will display “030 Rhythm_s”.

2. Repeatedly press the [MIXER] button to select an option. Use the [<]/[>] button or the Data dial to change parameters. The option and parameters are as follows:



Track	LCD Display	Range
Adjust the Percussion track volume.	XXX Rhythm_s	0-32
Adjust the Drum track volume.	XXX Rhythm_m	0-32
Adjust the Bass track volume.	XXX Bass	0-32
Adjust the Chord1 track volume.	XXX Chord1	0-32
Adjust the Chord2 track volume.	XXX Chord2	0-32
Adjust the Chord3 track volume.	XXX Chord3	0-32
Adjust the Phrase1 track volume.	XXX Phrase1	0-32
Adjust the Phrase2 track volume.	XXX Phrase2	0-32
Adjust the Upper1 track volume.	XXX Upper1	0-32
Adjust the Upper2 track volume.	XXX Upper2	0-32
Adjust the Lower track volume.	XXX Lower	0-32

3. Press the [<] and [>] buttons simultaneously to turn on and off the parameters of each mixer.

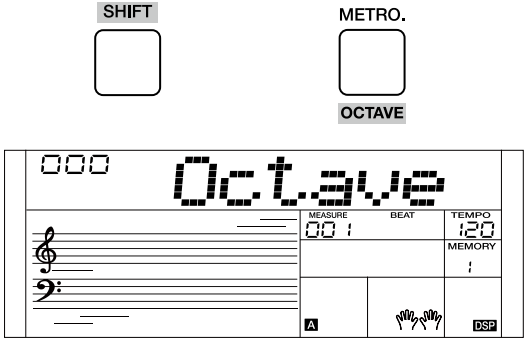
Note:
The instrument will exit the Mixer menu if there is no operation within 5 seconds.

Effect Related Settings

Octave

1. Press and hold the [SHIFT] button and then press the [OCTAVE] button to Access the Octave function menu. The LCD will display “xxx Octave”. Use the [<]/[>] button or the Data dial to adjust octave value, adjustable range is: -1~+1.

2. Press the [<] and [>] buttons simultaneously to restore the octave value to its default setting: 0.



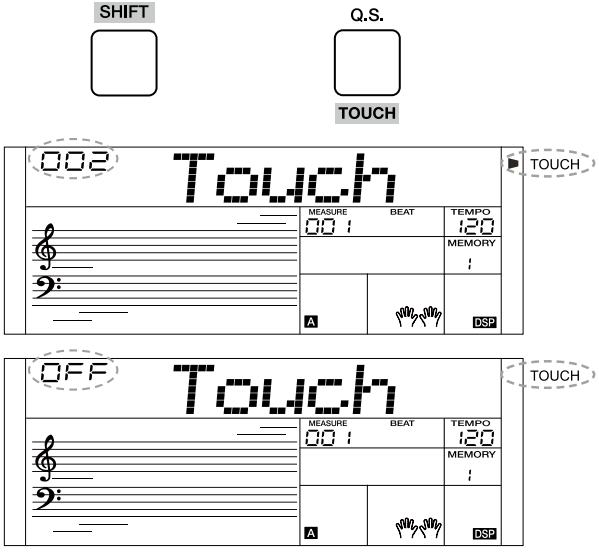
Touch

The Touch function lets you dynamically and expressively control the level of the sound with your playing strength – just as on an acoustic instrument.

1. Press and hold the [SHIFT] button and then press the [TOUCH] button to access the Touch function menu. The LCD will display “xxx Touch”.

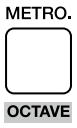
2. Use the [<]/[>] button or the Data dial to adjust touch response level. Default level of touch response is 2.

3. If the value is set to OFF, the keyboard will have no touch response, and all keys will produce the same level of volume regardless of the actual playing strength.



Metronome

The metronome provides a steady beat to help you practise at a preset tempo. Press the [METRONOME] button to turn on the metronome.
To turn off the metronome, press the [METRONOME] button again. (The metronome type can be set in the function menu.)

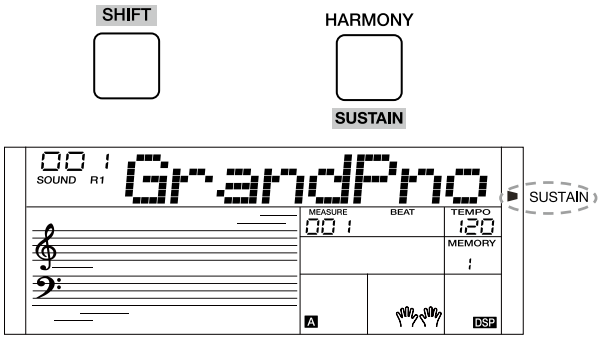


Sustain

1. Press and hold the [SHIFT] button and then press the [SUSTAIN] button to turn on the Sustain function.
   All notes will sustain even after releasing the keys.

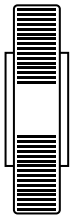
2. To turn off the sustain function, press and hold the [SHIFT] button and then press the [SUSTAIN] button again.

Note:
To have better sustain control, please use a sustain pedal. (Refer to pedal function for more details.)



Pitch Bend

You can use the Pitch Bend wheel to bend notes up or down by pushing it up or down while playing. The wheel is designed to automatically relocate to its center upon releasing, returning to normal pitch.
Use the Pitch Bend wheel to imitate guitar, violin, saxophone, urheen, suona and other instruments capable of smooth pitch change to make your performance more authentic.

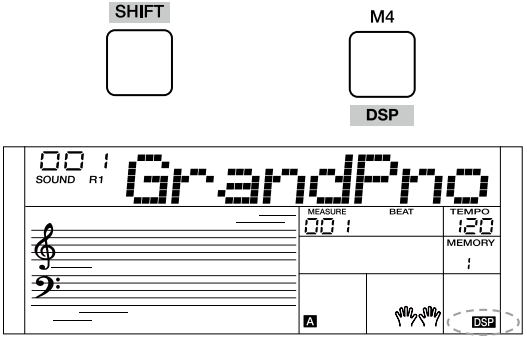


DSP

The DSP simulates effects in real environments. With the DSP effect, you can add ambience and depth to your performance in a variety of ways.

1. Press and hold the [SHIFT] button and then press the [DSP] button to turn the DSP effect on. The DSP indicator will light up on the LCD. The DSP effect is turned on by default upon powering on the instrument.

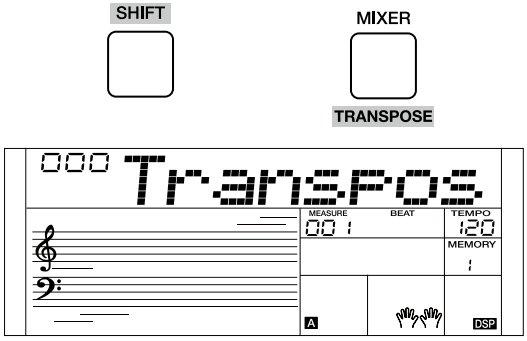
2. Press and hold the [SHIFT] button and then press the [DSP] button again to turn DSP effect off.



Transpose

1. Press and hold the [SHIFT] button and then press the [TRANSPOSE] button to enter the transpose menu. The LCD will display “xxx Transpos”.

2. Use the [<]/[>] button or the Data dial to adjust the transpose value ranging from -12 to +12. The default value is 0.



Harmony

The harmony function will automatically add harmony effects to the notes you play in the right-hand section, giving you a rich and harmonic expression.

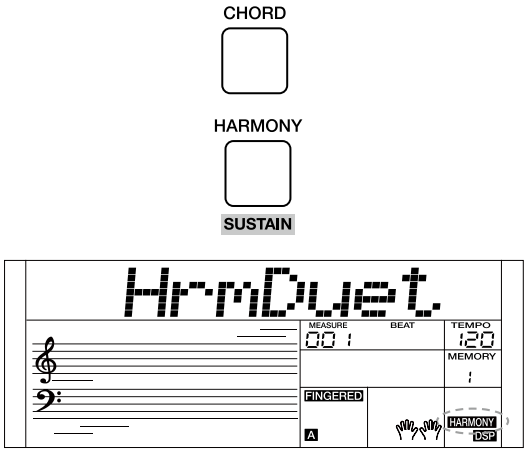
1. Press the [CHORD] button to activate Chord mode.

2. Press the [HARMONY] button to turn the Harmony function on.

3. Play a chord in the left-hand section.

4. As soon as you play in the right hand section, it will automatically add harmony effect to the notes you play.

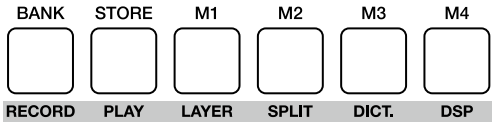
Note:
1. Harmony function cannot be turned on when Full Range is selected as the Chord mode.
2. The harmony types of “1+5”, “Octave 1” or “Octave 2” are always available. Other types of harmony will respond only when Chord mode is activated.

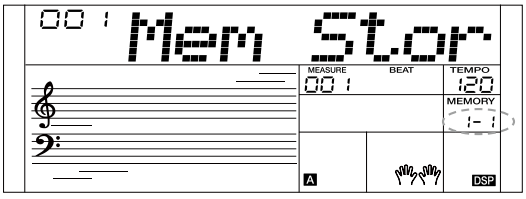


Register Memory

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

Registering the Panel Setting





1. There are 8 memory banks, each capable of storing 4 Memory settings (M1-M4).

2. Hold the [STORE] button, and then press one of the memory buttons [M1] - [M4] to register the current panel settings to the corresponding Memory setting. Note that new settings will overwrite the previously saved memory.

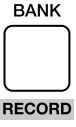
3. Parameters that can be saved to the registration memory are as followed:
   Sound: main sound, layer, split, DSP, mixer.
   Accompaniment: style, tempo, accompaniment volume.
   Function: touch, parameters in the function menu.

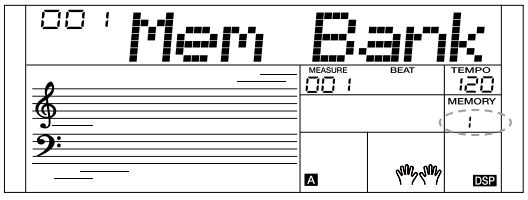
Recalling the Registered Panel Settings

Press one of the memory buttons: [M1]-[M4]. For example, press [M2], and the panel settings stored in the memory 2 of current bank will be recalled.

Note:
Registered panel settings cannot be recalled when the Quick Setting function is on.

Selecting a Registration Bank





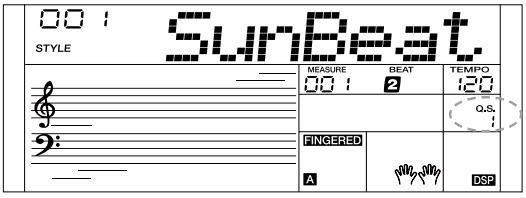
1. Press the [BANK] button, the LCD displays “00X Mem Bank”.

2. Press the [BANK] button repeatedly to select a bank from 1 to 8.

Quick Setting

The Quick Setting function features optimal panel settings that suits each style, including choice of sounds, effects and so on. With this function turned on, you can instantly call up theses settings with a single touch of a button.





1. Press the [Q.S.] button to turn on the Quick Setting function. The LCD will display “Q.S.”. Press one of the Quick Setting buttons [M1]-[M4] to call up a preset of panel settings that matches the current style.
   Auto accompaniment is automatically turned on in Q.S. mode.

2. Press the [Q.S.] button again to turn off the Quick Setting function. The instrument will automatically switch to previously selected registered memory.
   The LCD will display “MEMORY”.

3. Quick Setting parameter list:
   SOUND (Volume, Pan, Octave)
   LAYER (Volume, Pan, Octave)
   SPLIT (Volume, Pan, Octave)

Note:
The Q.S. function is automatically turned off when entering the song mode.

Record

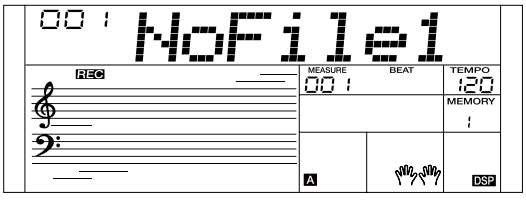
The instrument features powerful recording and playback functions. You can record keyboard performance in real time and save it as a user song, just as using a recording equipment, and play back the recording afterwards.

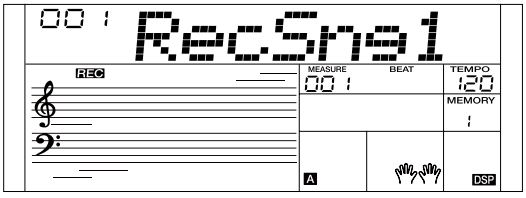


Prepare for Recording

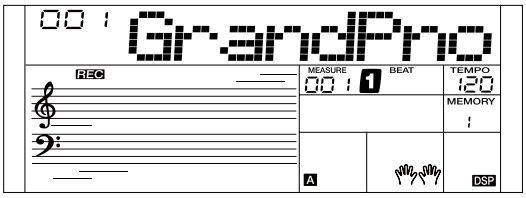
1. Before you start recording, you need to select a user song to which your recording will be saved.

2. Press and hold the [SHIFT] button, then press the [RECORD] button to enter the User Song Selection interface. The “REC” icon will light up. Use the [<]/[>] buttons or the Data dial to select the user song you want to record to.
   The current user song number, such as “001,” will be displayed at the top-left corner of the LCD. If the selected user song has no recorded data, the LCD will display “NoFile1”, if it does have recorded data, the LCD will display “RecSng1.”





3. Press and hold the [SHIFT] button and then press the [RECORD] button to enter the Recording Standby mode, the REC icon will start flashing. Now you can adjust settings such as the sound, style and so on.



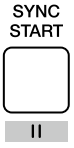
4. In the Recording Standby mode, press and hold the [SHIFT] button and then press the [RECORD] button to exit the Record mode.

Note:
The new record will overwrite the previous data in the user song you have selected.

Start Recording



1. In the Recording Standby mode, press the [START/STOP] button to start recording. The beats on the LCD will start flashing and the measure will start counting. To stop the recording, press and hold the [SHIFT] button and then press the [RECORD] button again.



2. Alternatively, you can play the keyboard to start recording. When the Chord is ON, play any key in the left-hand section to start the accompaniment. When the Chord is OFF, press the [START/STOP] button twice to start the accompaniment.

3. The [SYNC START] button is unavailable when recoding.

Stop Recording

Manually Stop Recording



Press and hold the [SHIFT] button and then press the [RECORD] button to stop recording. The “REC” icon, beat count and the record icon will go off.

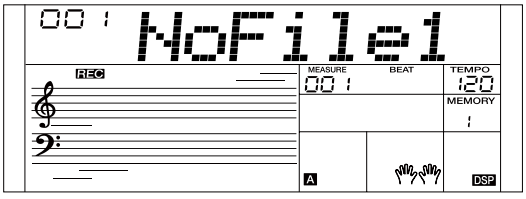
Automatically Stop Recording

1. Upon reaching maximum storage capacity during recording, the instrument will stop and save the recording immediately.
2. If you are recording with accompaniments, the recording will stop automatically when the Ending section of the accompaniment concludes.

Playback Recording

1. In idle state, press and hold the [SHIFT] button, then press the [PLAY] button to enter the Playback Selection interface. Use the [<]/[>] buttons or the Data dial to select the user song you want to play.
   The current user song number, such as “001,” will be displayed at the top-left corner of the LCD. If the selected user song has no recorded data, the LCD will display “NoFile 1”; if it does have recorded data, the LCD will display “PlySng1.”

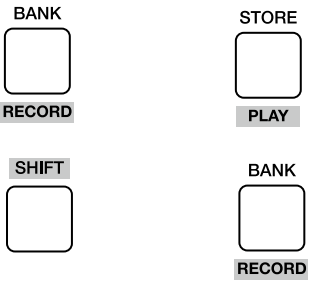




2. Press and hold the [SHIFT] button and then press the [PLAY] button to playback the user song.

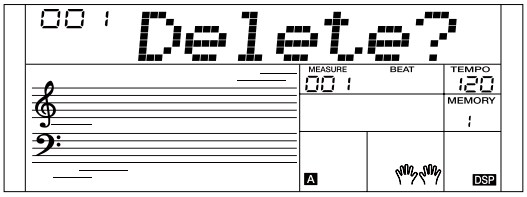
3. To stop the playback, press and hold the [SHIFT] button and then press the [PLAY] button.

Delete Recording



1. To delete all recorded user song data:
   When powered off, turn the instrument on while holding down the [RECORD] and [PLAY] buttons simultaneously.

2. To delete the selected user song data:
   In the Playback Selection interface, hold down the [SHIFT] button and then press the [RECORD] button. The LCD will display “Delete?”. Press the [>] button to delete, press the [<] button to cancel.



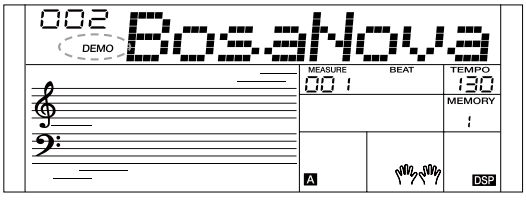
Playing the Demo Song

This instrument features a list of demos that showcase its sound quality. Please refer to the Demo List for more details.



1. Press the [DEMO] button to enter Demo mode. The DEMO icon will light up, and the demo list will begin looping.

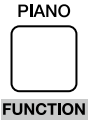
2. Use the [<]/[>] buttons or the Data dial to switch demo. Press the [DEMO] button or [START/STOP] button to stop playing and exit Demo mode.



Note:
In the demo status, all buttons and keys are unavailable except [DEMO], [START/STOP], [<], [>] button, [TEMPO <], [TEMPO >], Data dial, [VOLUME] knob and POWER SWITCH.

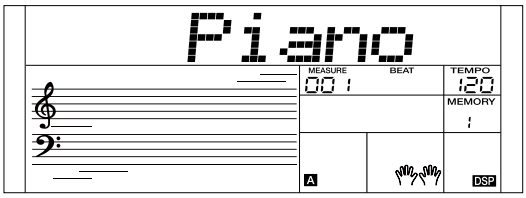
Piano Mode

The Piano mode is to set the voice of the whole keyboard to “Piano” instantly.



1. Press the [PIANO] button to enter or exit Piano mode.

2. In Piano mode, accompaniment controls are consistent with other modes, but only the rhythm tracks are played.

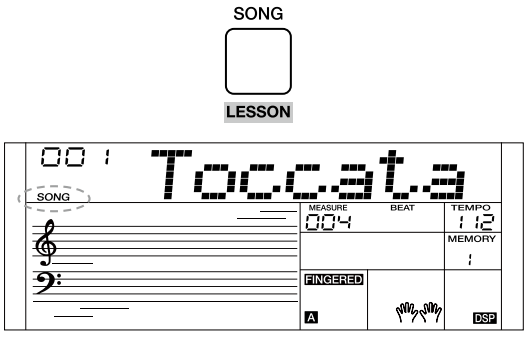


Note:
In piano mode, you can enter the mixer menu and the function menu.
In piano mode, the chord mode is automatically turned off.

Song

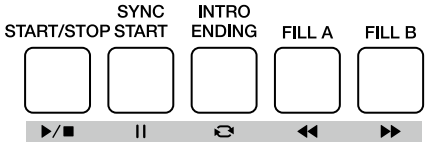
The instrument comes with a variety of built-in songs, all of which can be practiced in Lesson mode.

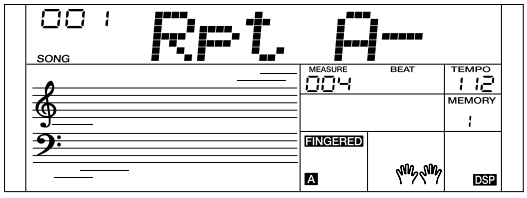
Listen to the songs

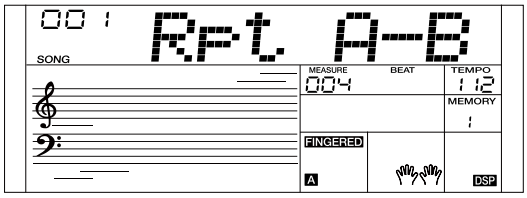


1. Press the [SONG] button to enter Song mode. All songs will loop in sequence..
2. Use the [<]/[>] button or the Data dial to select a song.
3. During song playback, press the [SONG] or [START/STOP] button to stop the playback.
   When no song is playing, press the [START/STOP] button to start and loop the selected song.
4. When no song is playing, press the [STYLE] or [SOUND] button to exit Song mode.

Song Control





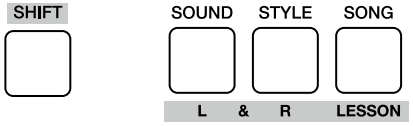


1. There are count-in beats before a song starts playing. The measure displayed on the screen will start with a negative value, and will change to 1 when the actual playback begins.

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 by one measure at a time.
   Press the [II] button to pause the song, press again to resume.

3. Song Repeat
   When the song is playing, press the [🔁] button to set the start point for a loop section within the current song. Press the button again to set the loop's end point, immediately starting the loop. To exit the loop and resume normal song playback, press the [loop] button once more.

Lesson Mode



The Lesson mode allows you to practice every built-in song with each or both hands in Lessons designed for different purposes.

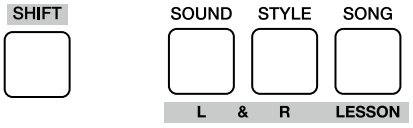
1. In Song mode, hold down the [SHIFT] button and press the [LESSON] button to enter Lesson mode when the current song is not playing.

2. If you want to practice one hand at a time, you can hold down the [SHIFT] button and use the [L] or [R] button to turn on/off the left or right-hand part of the song.

Turning on both the left and right-hand parts will allow you to practice with both hands.

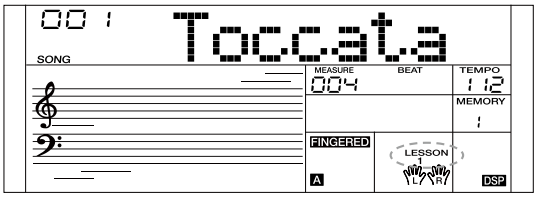
Note:
The left-hand part varies for different types of songs. For songs featuring auto-accompaniment, the left-hand part consists only chords. For piano songs, the left-hand part is the melody.

You cannot switch lessons during practice. When the song concludes, the instrument will automatically grade your performance. However, no score will be given if you stop the song halfway.



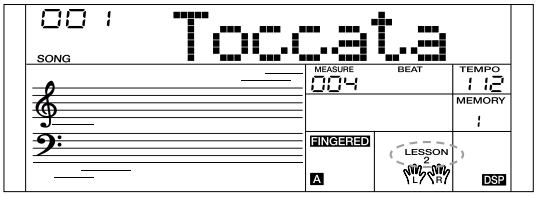
Lesson 1 - Practice Timing

When no song is playing, hold down the [SHIFT] button and press the [LESSON] button to enter Lesson 1. The “LESSON 1” icon will light up the LCD. In this lesson, you will need to play at the correct timing. Notes played off-time will not produce sound.



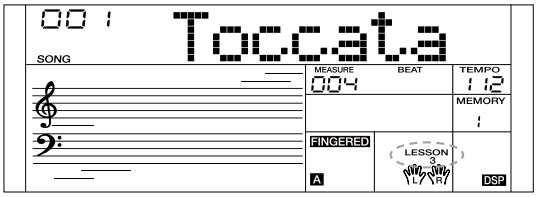
Lesson 2 - Practice Accuracy

Use the [SHIFT] + [LESSON] button combination again to switch to Lesson 2. The “LESSON 2” icon will light up. In this lesson, you will need to play the correct notes. The lesson will pause until you play the correct note(s) displayed on the LCD.



Lesson 3 - Practice Timing and Accuracy

Use the [SHIFT] + [LESSON] button combination once more to enter Lesson 3. You can hold down the [SHIFT] button and press the [LESSON] button repeatedly to switch lessons (when no song is playing). The “LESSON 3” icon will light up if you switch to Lesson 3. In this lesson, you will practice the whole song and the instrument will evaluate your overall timing and accuracy.



Grading System:

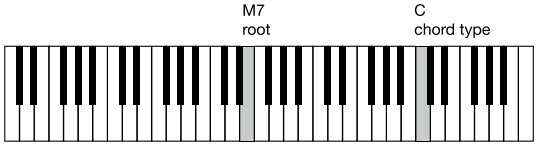
Upon completing a lesson, your performance will be graded as follows:
Level 1: Excellent!
Level 2: Very Good
Level 3: Good!
Lecel 4: Try Again!
After the grading, the lesson will automatically restart.

Chord Dictionary

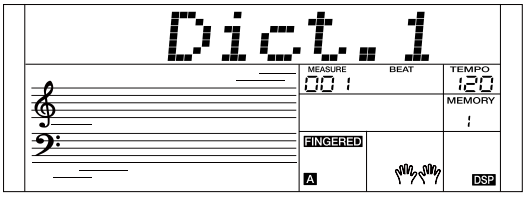
If you know the name of a chord but do not know how to play it, or if you want to have a chord test to practice playing chords, you can use the Chord Dictionary feature.

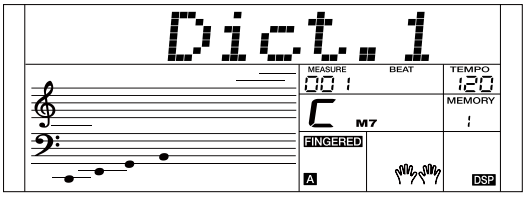
DICT 1 (Chord Learning Mode)

Press and hold the [SHIFT] button and then press the [DICT.] button to enter the DICT 1 mode.
The LCD will display “Dict.1”, and the Chord mode will be automatically turned on. In DICT 1 mode, the keys C4~B5 are used to assign the Chord Type, the keys C6~B6 are used to assign the Chord Root. When the
Chord Type and Chord Root are confirmed, the chord notes will be shown on the LCD. You will hear a prompt sound if you correctly play the note in the left-hand section.







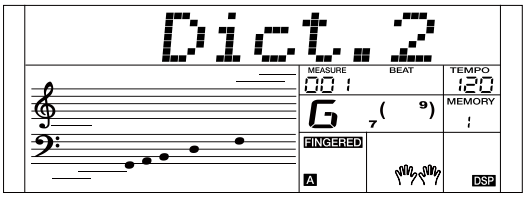


DICT 2 (Chord Testing Mode)

In DICT 1 mode, press and hold the [SHIFT] button and then press the [DICT.] button to switch to the DICT 2 mode.

In DICT 2 mode, you can have a chord test. The LCD will display chord names in random order. If a chord fails to be played in 3 seconds, its notes will appear on LCD. Once the chord is played correctly, a new chord name will appear after a few seconds.





Exit Chord Dictionary

In DICT 2 mode, press and hold the [SHIFT] button and then press the [DICT.] button again to exit the Chord Dictionary.

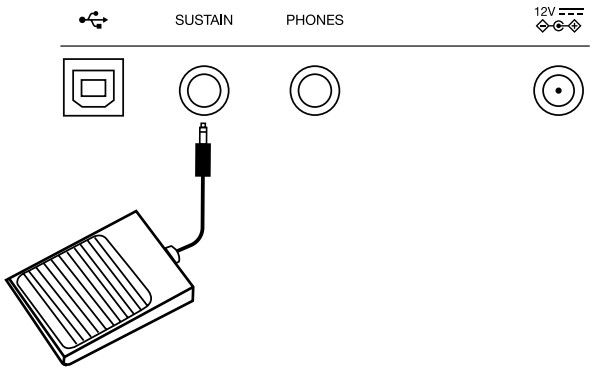


The 24 available Chord Types and their corresponding keys are as follows:

Note	Chord Type	Note	Chord Type	Note	Chord Type
C6	C	C4	M	C5	7(b9)
C#6	C#/Db	C#4	M(9)	C#5	7(9)
D6	D	D4	6	D5	7(#9)
Eb6	Eb/D#	Eb4	mM7	Eb5	7(b13)
E6	E	E4	M7	E5	7(13)
F6	F	F4	m	F5	7(#11)
F#6	F#/Gb	F#4	m(9)	F#5	dim7
G6	G	G4	m6	G5	dim
Ab6	Ab/G#	Ab4	m7(9)	Ab5	7aug
A6	A	A4	m7	A5	aug
Bb6	Bb/A#	Bb4	m7b5	Bb5	7sus4
B6	B	B4	7	B5	sus4

Pedal Function

You can connect a standard sustain pedal (sold separately) for natural sustain/soft effects or to assign other useful functions.



Multi-function Pedal

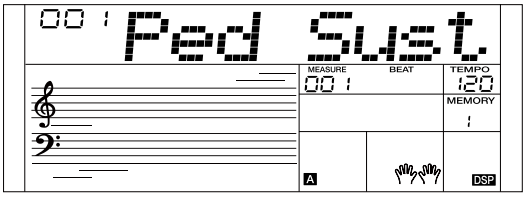
For instructions on assigning different functions, refer to the “Pedal Type” chapter.

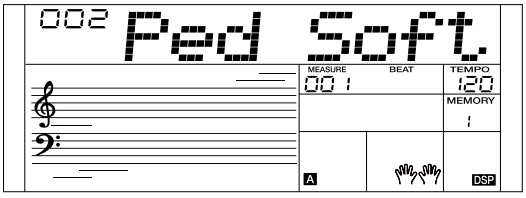
1. Sustain Pedal
   When “Ped Sust” is selected, the pedal performs the same function as the damper pedal on an acoustic piano, letting you sustain notes even after releasing the keys.
   To sustain notes, press down on the pedal.
   To stop sustaining the notes, simply lift your foot off. The sustained notes will stop immediately.

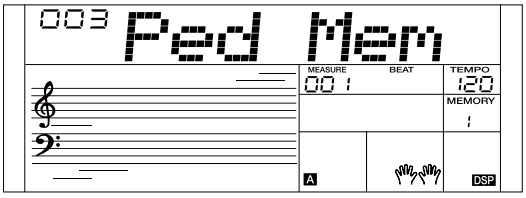
2. Soft Pedal
   When the “Ped Soft” is selected, pressing this pedal will make the notes you play sound softer.

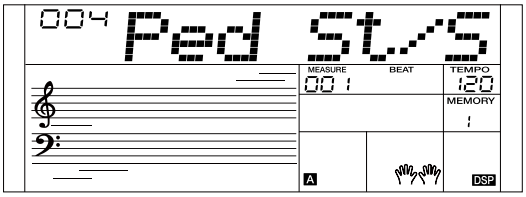
3. Memory Pedal
   When the “Ped Mem” is selected, pressing the pedal repeatedly will switch register memories: M1, M2, M3...

4. Style Start/Stop Pedal
   When the style start/stop pedal is selected, pressing this pedal will start/stop the accompaniment









MIDI

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

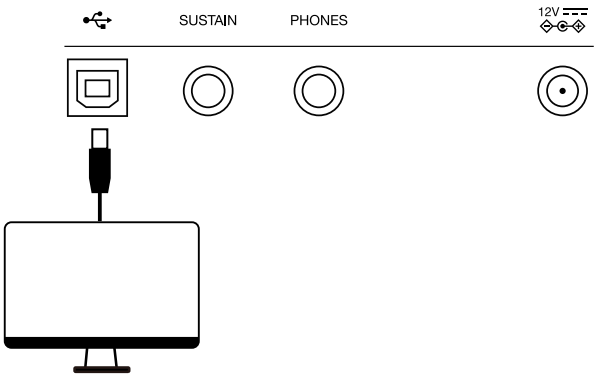
What's MIDI?

1. MIDI (short for Musical Instrument Digital Interface) allows a widevariety of electronic musical instruments, computers and other related devices to connect and communicate with one another. MIDI carries event messages that specify notation, pitch and velocity, control signals for parameters such as volume, vibrato, audio panning, and program change information to change the sound selections.

2. The instrument can output the real-time playback information via MIDI messages and control external MIDI devices. The instrument can also accept incoming MIDI messages and generate sound accordingly.

Note:
The [USB] (DEVICE) jack on the rear panel of this instrument can be used as a MIDI input/output when connected to a computer. Alternatively, this jack can be used to connect another instrument's [USB] (HOST) jack.

The main application of MIDI



1. Used as a sound generator
   This instrument can receive MIDI data from computer, and execute MIDI controls to change channels, change sounds, add effect and make sound and so on. Refer to MIDI Implementation Chart for more MIDI controls.

2. Used as a MIDI Keyboard
   Connect the keyboard with your computer via a MIDI USB cable, and the notes you played will be transmitted to your computer software.

3. Select a MIDI Device
   To use this instrument as a MIDI keyboard, you need to select this instrument as the MIDI Device in your computer software. you need to set the software on your computer.

Set the USB AUDIO DEVICE either as the MIDI Input port on the left of the pop-up window, or as the MIDI Output port on the right, then press "OK".
Alternatively, you can select the MIDI device on the TOOLS MIDI DEVICES menu of Cakewalk. Make the same settings when using other similar MIDI software.

Troubleshooting

Problem	Possible Cause and Solution
The speakers produce a pop sound whenever the power is turned ON or OFF.	This is normal and is no cause for alarm.
No sound when the keyboard is played.	Make sure the master volume is set to an appropriate level. Check if headphones are plugged into the [PHONES] jack. The R1/R2/L sound volume (Mixer) settings could be set too low. Make sure the sound volumes are set at appropriate levels.
When using a mobile phone, the instrument produces noise.	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 section of the keyboard. To start the accompaniment with Sync Start, make sure to play a key in the left-hand section of the keyboard.
Certain notes sound at wrong pitch.	Make sure that the tuning value is set to 0. Press and hold the [<] and [>] buttons at the same time, then turning the power on will set the instrument to default.
The Harmony function does not operate.	Please make sure the Harmony function is on. Note that the Harmony function cannot be turned on when a drum kit is selected for the sound R1.

Notice:
If you encounter any malfunction that you cannot resolve on your own, please refer to our company's product warranty regulations and contact the supplier or designated maintenance station.

Specifications

Keys	61 Keys with Touch Response, 3 Touch Levels
LCD Display	Multi-functional LCD
Polyphony	128
Sounds	633
Styles	220
Demos	8
Songs	150
Tempo	30-280
Panel Memory	32
DSP	Use this feature, you will produce a broader and fuller playing effect
Chord mode	Fingered, Full Range
Chord dictionary	Convenient for users to learn chords
Accompaniment/Song Control	Start/Stop, Sync Start, Intro/Ending, Fill A, Fill B
Record	10 user songs, support playback
Control button	Power Switch, Volume Knob, Shift, Tempo+/- (Accomp+/-), Metronome(Octave), Mixer (Transpose), Harmony(Sustain), Start/Stop, Sync Start, Intro/Ending, Fill A, Fill B, Chord, Fade, Bank(Record), Store(Play), M1(Layer), M2(Split), M3(Dict.), M4(DSP), Q.S.(Touch), Sound(L), Style(R), Song(Lesson), Piano(Function), Demo, -/NO, +/YES, Data Dial
Connectors	PHONES, SUSTAIN, USB, DC IN
Power Supply	DC IN 12V/1000mA
Speaker	4 ohm 10W X 2
Dimensions	956(L) x 360(W) x 133(H) mm
Weight	5.3kg

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

Sound List

No.	English Name	LCD Name
Piano		
1	Acoustic Grand Piano	GrandPno
2	Acoustic Grand Piano 2	GrandPn2
3	Acoustic Grand Piano (wide)	GrandPnW
4	Acoustic Grand Piano (dark)	GrandPnD
5	Bright Acoustic Piano	BritePno
6	Bright Acoustic Piano 2	BritePn2
7	Bright Acoustic Piano (wide)	BritePnW
8	Electric Grand Piano	E.Grand
9	Electric Grand Piano 2	E.Grand2
10	Electric Grand Piano (wide)	E.GrandW
11	Electric Grand Piano (dark)	E.GrandD
12	Honky Tonk Piano	HnkyTonk
13	Honky Tonk Piano 2	HnyTonk2
14	Honky Tonk Piano (wide)	HnyTonkW
15	Honky Tonk Piano (dark)	HnyTonkD
16	Harpsichord	Harpsi
17	Harpsichord 2	Harpsi2
18	Harpsichord (octave mix)	HarpsiO
19	Harpsichord (wide)	HarpsiW
20	Harpsichord (with key off)	HarpsiOf
21	Octave Grand Piano	OctPno
22	Octave Grand Piano 2	OctPno2
23	Piano & Strings	Pno&Str
24	Piano & Pad	Pno&Pad
25	Piano & Choir	Pno&Cho
26	Piano & EP	Pno&EP
27	Piano & Vibraphone	Pno&Vib
28	Detuned Electric Piano	DetunEP
29	Detuned Electric Piano 2	DetunEP2
30	Electric Piano	E.Piano
31	Electric Piano 2	E.Piano2
32	Electric Piano 3	E.Piano3
33	Electric Piano 4	E.Piano4
34	Electric Piano 1 (velocity mix)	E.PnoV1
35	Electric Piano 2 (velocity mix)	E.PnoV2
36	60's Electric Piano	60'sEP
37	EP Legend	EPLegend
38	Phase EP	PhaseEP
39	Clavi	Clavi
40	Clavi 2	Clavi2
41	Phase Clavi	PhaseClv
42	Wah Clavi	WahClv
43	Pulse Clavi	PluseClv
44	Dream EP	DreamEP
45	Tremolo EP	TremoEP
46	Funk EP	FunkEP
47	Warm EP	WarmEP
48	Choir EP	ChoriEP
49	Wah EP	WahEP
50	Modern EP	ModernEP
51	EP Pad	EPPad
Chromatic Percussion		
52	Celesta	Celesta
53	Celesta 2	Celesta2
54	Celesta 3	Celesta3
55	Glockenspiel	Glocken
56	Glockenspiel 2	Glocken2
57	Glockenspiel 3	Glocken3
58	Music Box	MusicBox
59	Music Box 2	MuscBox2
60	Music Box 3	MuscBox3
61	Vibraphone	Vibra
62	Vibraphone 2	Vibra2
63	Vibraphone (wide)	VibraW
64	Marimba	Marimba
65	Marimba 2	Marimba2
66	Marimba (wide)	MarimbaW
67	Xylophone	Xylophon
68	Xylophone 2	Xylopho2
69	Xylophone 3	Xylopho3
70	Tubular Bells	TubulBel
71	Tubular Bells 2	TubulBe2
72	Church Bell	ChurBell
73	Carillon	Carillon
74	Dulcimer	Dulcimer
75	Dulcimer 2	Dulcime2
76	Santur	Santur
Organ		
77	Italian 60's Organ	60'sOrgn
78	Drawbar Organ	DrawOrgn
79	Drawbar Organ 2	DrawOrg2
80	Detuned Drawbar Organ	DeDraOrg
81	Drawbar Organ 3	DrawOrg3
82	Detuned Percussive Organ	DePerOrg
83	Percussive Organ	PercOrgn
84	Percussive Organ 2	PercOrg2
85	70's Percussive Organ	70'sPcOr
86	Percussive Organ 3	PercOrg3
87	Rock Organ	RockOrgn
88	Rock Organ 2	RockOrg2
89	Rock Organ 3	RockOrg3
90	Church Organ	ChurOrgn
91	Church Organ 2	ChurOrg2
92	Church Organ 3	ChurOrg3
93	Church Organ (octave mix)	ChurOrgO
94	Detuned Church Organ	DeChuOrg
95	Reed Organ	ReedOrgn
96	Reed Organ 2	ReedOrg2
97	Rotary Organ	RotyOrgn
98	Puff Organ	PuffOrgn
99	Accordion	Acordion
100	Accordion 2	Acordin2

101	Accordion 3	Acordin3
102	Harmonica	Harmnica
103	Harmonica 2	Harmnic2
104	Harmonica 3	Harmnic3
105	Tango Accordion	TangoAcd
106	Tango Accordion 2	TangAcd2
Guitar		
107	Acoustic Guitar (nylon)	NylonGtr
108	Acoustic Guitar (nylon) 2	NylonGt2
109	Acoustic Guitar (nylon) 3	NylonGt3
110	Acoustic Guitar (nylon+key off)	NylGtrOf
111	Ukulele	Ukulele
112	Acoustic Guitar (steel)	SteelGtr
113	Acoustic Guitar (steel) 2	SteelGt2
114	12-Strings Guitar	12StrGtr
115	Mandolin	Mandolin
116	Mandolin 2	Mandoli2
117	Steel Guitar with Body Sound	SteelBdy
118	Electric Guitar (jazz)	JazzGtr
119	Electric Guitar (jazz) 2	JazzGtr2
120	Electric Guitar (pedal steel)	PedalGtr
121	Electric Guitar (clean)	CleanGtr
122	Electric Guitar (clean) 2	CleanGt2
123	Electric Guitar (detuned clean)	DetClnGt
124	Mid Tone Guitar	MidTonGt
125	Electric Guitar (muted)	MutedGtr
126	Electric Guitar (muted) 2	MutedGt2
127	Electric Guitar (funky cutting)	FunkGt
128	Electric Guitar (muted velo-sw)	MutVelGt
129	Jazz Man	JazzMan
130	Overdriven Guitar	Ovrdrive
131	Overdriven Guitar 2	Ovrdriv2
132	Guitar Pinch	GtPinch
133	Distortion Guitar	DistGtr
134	Distortion Guitar 2	DistGtr2
135	Distortion Guitar (with feed-back)	FeedbkGt
136	Guitar Feedback	GtrFedbk
137	Distorted Rhythm Guitar	DistRyth
138	Guitar Harmonics	GtrHarmo
139	Guitar Harmonics 2	GtHarmo2
140	Velocity Nylon Guitar	NylnGtVe
Bass		
141	Acoustic Bass	AcoBass
142	Acoustic Bass 2	AcoBass2
143	Wah Bass	WahBass
144	Electric Bass (finger)	FngrBass
145	Finger Slap Bass	FngrSlap
146	Electric Bass (pick)	PickBass
147	Electric Bass (pick) 2	PickBas2
148	Fretless Bass	Fretless
149	Fretless Bass 2	Fretles2

150	Slap Bass	SlapBass
151	Slap Bass 2	SlapBas2
152	Slap Bass 3	SlapBas3
153	Slap Bass 4	SlapBas4
154	Synth Bass	SynBass
155	Synth Bass 2	SynBass2
156	Synth Bass 3	SynBass3
157	Synth Bass 4	SynBass4
158	Warm Synth Bass	WarmBass
159	Rsonance SynBass	ResoBass
160	Clavi Bass	ClavBass
161	Hammer	Hammer
162	Attack Bass	AtackBas
163	Synth Bass (rubber)	RubbBass
164	Synth Bass (rubber) 2	RubbBas2
165	Attack Pulse	AtackPls
Strings & Orchestral		
166	Violin	Violin
167	Violin 2	Violin2
168	Violin (slow attack)	SlViolin
169	Viola	Viola
170	Viola 2	Viola2
171	Cello	Cello
172	Cello 2	Cello2
173	Contrabass	Contrabs
174	Contrabass 2	Contrbs2
175	Tremolo Strings	TremStr
176	Tremolo Strings 2	TremStr2
177	Tremolo Strings 3	TremStr3
178	Pizzicato Strings	PizzStr
179	Pizzicato Strings 2	PizzStr2
180	Orchestral Harp	Harp
181	Orchestral Harp 2	Harp2
182	Yang Chin	YangChin
183	Timpani	Timpani
184	Timpani 2	Timpani2
185	String Ensembles	Strings
186	String Ensembles 2	Strings2
187	String Ensembles 3	Strings3
188	String Ensembles 4	Strings4
189	Strings & Brass	Str&Bras
190	60's Strings	60'sStr
191	Synth Strings	SynStrs
192	Synth Strings 2	SynStrs2
193	Synth Strings 3	SynStrs3
194	Synth Strings 4	SynStrs4
195	Synth Strings 5	SynStrs5
196	Choir Aahs	ChoirAah
197	Choir Aahs 2	ChorAah2
198	Choir Aahs 3	ChorAah3
199	Voice Oohs	VoiceOoh
200	Voice Oohs 2	VoicOoh2

201	Humming	Humming
202	Anlong Voice	AnlVoice
203	Synth Voice	SynVoice
204	Synth Voice 2	SynVoic2
205	Orchestra Hit	OrchHit
206	Orchestra Hit 2	OrchHit2
207	Bass Hit Plus	BassHit
208	6th Hit	6thHit
209	Euro Hit	EuroHit
Brass		
210	Trumpet	Trumpet
211	Trumpet 2	Trumpet2
212	Dark Trumpet	DarkTrp
213	Trombone	Trombone
214	Trombone 2	Trmbone2
215	Trombone 3	Trmbone3
216	Bright Trombone	BritBone
217	Tuba	Tuba
218	Tuba 2	Tuba2
219	Muted Trumpet	MuteTrp
220	Muted Trumpet 2	MuteTrp2
221	Muted Trumpet 3	MuteTrp3
222	French Horn	FrHorn
223	French Horn 2	FrHorn2
224	French Horn 3	FrHorn3
225	Brass Section	Brass
226	Brass Section 2	Brass2
227	Brass Section 3	Brass3
228	Synth Brass	SynBrass
229	Synth Brass 2	SynBras2
230	Synth Brass 3	SynBras3
231	Synth Brass 4	SynBras4
232	Synth Brass 5	SynBras5
233	Synth Brass 6	SynBras6
234	Synth Brass 7	SynBras7
235	Synth Brass 8	SynBras8
236	Analog Synth Brass	AnaBrass
237	Analog Synth Brass 2	AnaBras2
238	Analog Synth Brass 3	AnaBras3
239	Jump Brass	JumpBras
240	Jump Brass 2	JumpBrs2
241	Funny	Funny
242	Funny 2	Funny2
243	French Horn	FrHorn
Reed		
244	Soprano Sax	SprnoSax
245	Soprano Sax 2	SprnSax2
246	Soprano Sax 3	SprnSax3
247	Alto Sax	AltoSax
248	Alto Sax 2	AltoSax2
249	Alto Sax 3	AltoSax3
250	Tenor Sax	TenorSax

251	Tenor Sax 2	TenoSax2
252	Tenor Sax 3	TenoSax3
253	Baritone Sax	BariSax
254	Baritone Sax 2	BariSax2
255	Baritone Sax 3	BariSax3
256	Oboe	Oboe
257	Oboe 2	Oboe2
258	Oboe 3	Oboe3
259	2 Oboes	2Oboes
260	English Horn	EngHorn
261	English Horn 2	EngHorn2
262	English Horn 3	EngHorn3
263	2 English Horns	2EngHons
264	Bassoon	Bassoon
265	Bassoon 2	Bassoon2
266	Bassoon 3	Bassoon3
267	2 Bassoons	2Basoons
268	Clarinet	Clarinet
269	Clarinet 2	Clarine2
270	Clarinet 3	Clarine3
271	2 Clarinets	2Clarins
Pipe		
272	Piccolo	Piccolo
273	Piccolo 2	Piccolo2
274	Piccolo 3	Piccolo3
275	2 Piccolos	2Picolos
276	Sweet Flute	SweeFlut
277	Flute	Flute
278	Flute 2	Flute2
279	Flute 3	Flute3
280	2 Flutes	2Flutes
281	Recorder	Recorder
282	Recorder 2	Recorde2
283	2 Recorders	2Records
284	Pan Flute	PanFlute
285	Pan Flute 2	PanFlut2
286	Sweet Pan Flute	SwPanFlu
287	Blown Bottle	Bottle
288	Blown Bottle 2	Bottle2
289	Shakuhachi	Shakhchi
290	Shakuhachi 2	Shakhch2
291	Whistle	Whistle
292	Whistle 2	Whistle2
293	Ocarina	Ocarina
294	Ocarina 2	Ocarina2
Synth Lead		
295	Lead 1 (square)	SquareLd
296	Lead 1a (square) 2	SquarLd2
297	Lead 1 (square) 3	SquarLd3
298	Lead 1b (sine)	SineLead
299	Lead 2 (sawtooth)	SawLead
300	Lead 2a (sawtooth) 2	SawLead2

301	Lead 2 (sawtooth) 3	SawLead3
302	Lead 2b (saw + pulse)	SawPlsLd
303	Lead 2c (double sawtooth)	DubSawLd
304	Lead 2d (sequenced analog)	SquAnaLd
305	Lead 2d (sequenced analog) 2	SqAnaLd2
306	Wavy Sawtooth	WavySaw
307	Bauble Lead	BaubleLd
308	Super Analog	SuperAna
309	Lead 3 (calliope)	CaliopLd
310	Lead 3 (calliope) 2	CalipLd2
311	Lead 4 (chiff)	ChiffLd
312	Lead 4 (chiff) 2	ChiffLd2
313	Lead 4 (chiff) 3	ChiffLd3
314	Lead 4 (chiff) 4	ChiffLd4
315	Lead 5 (charang)	CharanLd
316	Lead 5 (charang) 2	CharaLd2
317	Lead 5 (charang) 3	CharaLd3
318	Lead 5 (charang) 4	CharaLd4
319	Lead 5a (wire lead)	WireLead
320	Lead 5a (wire lead) 2	WireLd2
321	Lead 6 (voice)	VoiceLd
322	Lead 6 (voice) 2	VoiceLd2
323	Lead 7 (fifths)	FifthsLd
324	Lead 7 (fifths) 2	FifthLd2
325	Lead 8 (bass + lead)	BassLead
326	Lead 8 (bass + lead) 2	BasLead2
327	Lead 8 (bass + lead) 3	BasLead3
328	Lead 8a (soft wrl)	SftWrlLd
329	Massiness	Massin
330	Square	Square
331	Slow Square Lead	SlwSquLd
332	Sine Solo	SineSolo
333	Square Lead 4	SquarLd4
334	Thick Square	ThickSqu
335	2Oscillators Lead	2OscLd
336	Wavy Sawtooth 2	WavySaw2
337	Analog Lead	AnaLead
338	Big Lead	BigLead
339	Fat Lead	FatLead
340	PWM 4th	Rezz4th
341	Delayed Lead	DelyLead
342	Delayed Lead 2	DlyLead2
343	Fifth Lead	FifLead
344	Corrie	Corrie
345	Quint	Quint
Synth Pad		
346	Pad 1 (new age)	NewAge
347	Pad 1 (new age) 2	NewAge2
348	Pad 1 (new age) 3	NewAge3
349	Pad 1 (new age) 4	NewAge4
350	Pad 2 (warm)	WarmPad
351	Pad 2 (warm) 2	WarmPad2
352	Pad 2 (warm)3	WarmPad3
353	Pad 2a (sine pad)	SinePad
354	Pad 3 (polysynth)	PolySyn
355	Pad 3 (polysynth) 2	PolySyn2
356	Pad 3 (polysynth) 3	PolySyn3
357	Pad 3 (polysynth) 4	PolySyn4
358	Pad 4 (choir)	ChoirPad
359	Pad 4 (choir) 2	ChoirPd2
360	Pad 4a (itopia)	ItopiaPd
361	Pad 5 (bowed)	BowedPad
362	Pad 5 (bowed) 2	BowedPd2
363	Pad 5 (bowed) 3	BowedPd3
364	Pad 5 (bowed) 4	BowedPd4
365	Pad 6 (metallic)	MetalPad
366	Pad 6 (metallic) 2	MetalPd2
367	Pad 6 (metallic) 3	MetalPd3
368	Pad 7 (halo)	HaloPad
369	Pad 7 (halo) 2	HaloPad2
370	Pad 7 (halo) 3	HaloPad3
371	Pad 7 (halo) 4	HaloPad4
372	Pad 8 (sweep)	SweepPad
373	Pad 8 (sweep) 2	SweepPd2
374	Pad 8 (sweep) 3	SweepPd3
375	Pan Pad	PanPad
376	Pan Pad 2	PanPad2
377	Dipolar Pad	DipolPad
378	PWM Pad	PWMPad
379	Warmly Pad	WarmlyPd
380	Horn Pad	HornPad
381	Click Pad	ClickPad
382	Analog Pad	AnalogPd
383	80's Poly Pad	80'sPoly
384	PWM 4th Soft	PWM4thSf
385	Synth Calliope Soft	SynCalSf
386	Soft Vox	SoftVox
387	5th SawWave	5thSaw
388	5th Lead Soft	5thLdSf
389	Slow Square	SlSquare
390	New Year Pad	NewYear
391	Space Voice	SpcVoice
392	Rising	Rising
393	Congregate	Congrega
Synth SFX		
394	FX 1 (rain)	FXRain
395	FX 1 (rain) 2	FXRain2
396	FX 2 (soundtrack)	Soundtrk
397	FX 2 (soundtrack) 2	Sondtrk2
398	Prelude	Prelude
399	FX 3 (crystal)	Crystal
400	FX 3 (crystal) 2	Crystal2
401	FX 3 (crystal) 3	Crystal3
402	FX 3a (synth mallet)	SynMalet

403	FX 4 (atmosphere)	Atmosphr
404	FX 4 (atmosphere) 2	Atmosph2
405	Warm Air	WarmAir
406	FX 5 (brightness)	Bright
407	FX 5 (brightness) 2	Bright2
408	Smog	Smog
409	FX 6 (goblins)	Goblins
410	FX 6 (goblins) 2	Goblins2
411	FX 6 (goblins) 3	Goblins3
412	Choir Bell	ChorBell
413	Choir Bell 2	ChorBel2
414	FX 7 (echoes)	Echoes
415	FX 7 (echoes) 2	Echoes2
416	FX 7 (echoes) 3	Echoes3
417	FX 7b (echo pan)	EchoPan
418	FX 7a (echo bell)	EchoBell
419	FX 7a (echo bell) 2	EchoBel2
420	FX 7a (echo bell) 3	EchoBel3
421	FX 8 (sci-fi)	Sci-Fi
422	FX 8 (sci-fi) 2	Sci-Fi2
423	FX 8 (sci-fi) 3	Sci-Fi3
Ethnic Misc.		
424	Sitar	Sitar
425	Sitar 2	Sitar2
426	Sitar 3	Sitar3
427	Banjo	Banjo
428	Banjo 2	Banjo2
429	Banjo 3	Banjo3
430	Shamisen	Shamisen
431	Shamisen 2	Shamise2
432	Shamisen 3	Shamise3
433	Koto	Koto
434	Koto 2	Koto2
435	Taisho Koto	TaishoKt
436	Kalimba	Kalimba
437	Kalimba 2	Kalimba2
438	Kalimba 3	Kalimba3
439	Bag Pipe	BagPipe
440	Bag Pipe 2	BagPipe2
441	Bag Pipe 3	BagPipe3
442	Fiddle	Fiddle
443	Fiddle 2	Fiddle2
444	Fiddle 3	Fiddle3
445	Shanai	Shanai
446	Shanai 2	Shanai2
447	Shanai 3	Shanai3
Percussive		
448	Tinkle Bell	TnklBell
449	Tinkle Bell 2	TnklBel2
450	Tinkle Bell 3	TnklBel3
451	Agogo	Agogo
452	Agogo 2	Agogo2

453	Agogo 3	Agogo3
454	Steel Drums	SteelDrm
455	Steel Drums 2	StelDrm2
456	Steel Drums 3	StelDrm3
457	Woodblock	WoodBlok
458	Woodblock 2	WodBlok2
459	Woodblock 3	WodBlok3
460	Castanets	Castanet
461	Castanets 2	Castant2
462	Taiko Drum	TaikoDrm
463	Taiko Drum 2	TaikDrm2
464	Taiko Drum 3	TaikDrm3
465	Concert Bass Drum	ConBasDm
466	Concert Bass Drum 2	ConBsDm2
467	Acoustic Bass Drum	BassDrum
468	Room Kick	RoomKick
469	Power Kick	PowrKick
470	Electric Bass Drum	ElBsDrum
471	Analog Bass Drum	AnBsDrum
472	Jazz Kick	JazzKick
473	Side Stick	SidStick
474	Analog Rim Shot	AnRiShot
475	Acoustic Snare	A.Snare
476	Room Snare	RomSnare
477	Power Snare	PowSnare
478	Electric Snare	E.Snare
479	Analog Snare	AnaSnare
480	Jazz Snare	JazSnare
481	Brush Tap	BrushTap
482	Concert SD	ConcetSD
483	Hand Clap	HandClap
484	Tom	Tom
485	Room Tom	RoomTom
486	Power Tom	PowerTom
487	Electric Tom	ElecTom
488	Analog Tom	AnaTom
489	Brush Tom	BrushTom
490	Closed Hi-hat	ClosedHH
491	Analog Closed Hi-hat	AnCloHH
492	Pedal Hi-hat	PedalHH
493	Open Hi-hat	OpenHH
494	Crash Cymbal	CrashCym
495	Analog Cymbal	AnaCym
496	Ride Cymbal	RideCym
497	China Cymbal	ChinaCym
498	Ride Bell	RideBell
499	Tambourine	Tambouri
500	Splash Cymbal	SplashCy
501	Cowbell	Cowbell
502	Analog Cowbell	AnaCowbl
503	High Bongo	HiBongo
504	Low Bongo	LoBongo

505	Mute Hi Conga	MuHiCnga
506	Open Hi Conga	OpHiCnga
507	Low Conga	LowConga
508	Analog Hi Conga	AnHiCnga
509	Analog Mid Conga	AnMiCnga
510	Analog Low Conga	AnLoCnga
511	High Timbale	HiTimbal
512	Low Timbale	LoTimbal
513	Cabasa	Cabasa
514	Maracas	Maracas
515	Analog Maracas	AnMaraca
516	Short Guiro	ShGuiro
517	Long Guiro	LoGuiro
518	Claves	Claves
519	Mute Cuica	MuCuica
520	Open Cuica	OpCuica
521	Mute Triangle	MuTrgle
522	Open Triangle	OpTrgle
523	Shaker	Shaker
524	Mute Surdo	MuSurdo
525	Open Surdo	OpSurdo
526	Melodic Tom	MeloTom
527	Melodic Tom 2	MeloTom2
528	Melodic Tom 3	MeloTom3
529	Synth Drum	SynDrum
530	Synth Drum 2	SynDrum2
531	Rhythm Box Tom	RhythBox
532	Electric Drum	ElecDrum
533	Electric Drum 2	EleDrum2
534	Reverse Cymbal	RevCymbl
535	Reverse Cymbal 2	RevCymb2
SFX		
536	Guitar Fret Noise	FretNoiz
537	Guitar Fret Noise 2	FreNoiz2
538	Guitar Cutting Noise	GtCtNoiz
539	Guitar Cutting Noise 2	GtCtNoz2
540	Acoustic Bass String Slap	BsStSlap
541	Acoustic Bass String Slap 2	BsStSlp2
542	Breath Noise	BrthNoiz
543	Breath Noise 2	BrthNoz2
544	Flute Key Click	FlKeyClk
545	Flute Key Click 2	FlKeyCk2
546	Seashore	Seashore
547	Seashore 2	Seashor2
548	Rain	Rain
549	Thunder	Thunder
550	Wind	Wind
551	Stream	Stream
552	Bubble	Bubble
553	Bird Tweet	Tweet
554	Bird Tweet 2	Tweet2
555	Dog	Dog

556	Horse Gallop	HouseGlp
557	Telephone Ring	Telphone
558	Telephone Ring 2	Telphon2
559	Door Creaking	DoorCrek
560	Door	Door
561	Scratch	Scratch
562	Wind Chime	WindChim
563	Helicopter	Helicptr
564	Car Engine	CarEngin
565	Car Stop	CarStop
566	Car Pass	CarPass
567	Car Crash	CarCrash
568	Siren	Siren
569	Train	Train
570	Jetplane	Jetplane
571	Starship	Starship
572	Burst Noise	BurtNois
573	Applause	Applause
574	Laughing	Laughing
575	Screaming	Scream
576	Punch	Punch
577	Heart Beat	HeartBet
578	Footsteps	Footstep
579	Gunshot	Gunshot
580	Machine Gun	MachnGun
581	Lasergun	Lasergun
582	Explosion	Explosio
Combined Voice		
583	Stereo Piano & Strings Pad	Pn&StrPd
584	Stereo Piano & Choir	Pn&Choir
585	Stereo Piano & Synth Strings	Pn&SyStr
586	Stereo Piano & Warm Pad	Pn&WrmPd
587	Stereo Piano & Soft EP	Pn&SfEP
588	FM Electric Piano	FMEP
589	Digital Piano	DigitlPn
590	E.Piano & Strings	EP&Str
591	E.Piano & Acoustic Guitar	EP&Gtr
592	E.Piano & Vibraphone	EP&Vibra
593	E.Piano 2 & Pad	EP2&Pad
594	E.Piano 2 & Strings	EP2&Str
595	Harpsichord & Stereo Strings	Hrps&Str
596	Music Box & Stereo Strings	MBox&Str
597	Vibraphone & Stereo Strings	Vib&Str
598	Vibraphone Octave	VibraOct
599	Vibraphone & Marimba & Kalimba	Vib&M&K
600	Marimba & Kalimba	Mar&Kal
601	Marimba Delay	MarDelay
602	Xylophone Octave	XylopOct
603	Organ & Stereo Strings	Orgn&Str
604	Stereo Organ & Piano	Orgn&Pno
605	Rock Organ & Strings	RkOr&Str

606	Church Organ & Choir	ChOr&Cho
607	Church Organ & Strings	ChOr&Str
608	Acoustic Guitar & Flute	Gtr&Flut
609	Acoustic Guitar & Clavi	Gtr&Clav
610	24 String Guitar	24StrGtr
611	Steel Guitar & Warm Pad	StGt&Pad
612	Stereo Strings & Horn	Str&Horn
613	Orchestra	Orchestr
614	Full Strings	FullStr
615	Full Strings 2	FullStr2
616	Symphonic	Symphon
617	Stereo Choir & Strings	Cho&Str
618	Stereo Choir & Steel Guitar	Cho&Gtr
619	3 Trumpet Loose	3Trumpet
620	Trombone & Stereo Strings	Tomb&Str
621	3 Trombones Loose	3Trmbone
622	3 Muted Trumpets Loose	3MuTrump
623	Club Brass	ClubBras
624	Brass & Woodwinds	Brs&Wood
Drums		
625	Standard Set	StandSet
626	Room Set	RoomSet
627	Power Set	PowerSet
628	Electronic Set	ElectSet
629	Analog Set	AnalgSet
630	Jazz Set	JazzSet
631	Brush Set	BrushSet
632	Orchestra Set	OrcheSet
633	SFX Set	SFXSet

Style List

No.	English Name	LCD Name
8 & 16 Beat		
1	Sunshine Beat	SunBeat
2	8Beat Piano	8BtPiano
3	8Beat 1	8Beat1
4	Guitar Pop 1	GtPop1
5	8Beat Hip Hop	8BtHiHop
6	8Beat Blues Rock	8BtBluRk
7	8Beat Pop	8BtPop
8	Pop Funk 1	PopFunk1
9	Rhythm&Beat 1	Rhy&Bt1
10	8Beat Disco 1	8BtDisc1
11	8Beat Rock	8BtRock
12	Guitar Pop 2	GtPop2
13	8Beat 2	8Beat2
14	Sweet Beat	SweetBt
15	8Beat Dance	8BtDance
16	8Beat Disco 2	8BtDisc2
17	Pop Funk 2	PopFunk2
18	8Beat 3	8Beat3
19	60's 8Beat	60's8Bt
20	Rhythm&Beat 2	Rhy&Bt2
21	16Beat 1	16Beat1
22	16Beat Funk 1	16BtFuk1
23	16Beat Ballad 1	16BtBld1
24	16Beat R&B	16BtR&B
25	Pop 16Beat 1	Pop16Bt1
26	16Beat Funk 2	16BtFuk2
27	16Beat Dance	16BtDanc
28	Pop 16Beat 2	Pop16Bt2
29	16Beat 2	16Beat2
30	Pop 16Beat 3	Pop16Bt3
31	16Beat Ballad 2	16BtBld2
32	16Beat 4	16Beat4
33	Pop Shuffle	PopShfl
Pop & Beat		
34	Sweet Ballad	SweetBld
35	Pop Rock 1	PopRock1
36	Pop Fusion	PopFusn
37	Analog Night 1	AnalgNt1
38	6/8 Pop	6/8Pop
39	Brit. Pop 1	BritPop1
40	Brit. Pop 2	BritPop2
41	Pop Hit	PopHit
42	Fusion Shuffle	FusShufl
43	Analog Night 2	AnalgNt2
44	Guitar Pop 3	GtPop3
45	Pop Beat	PopBeat
46	Soft Beat	SoftBeat
47	60's Pop	60'sPop
48	Sting Latin	StigLatn
49	R&B Ballad 1	R&BBld1
50	Guitar Ballad	GtBallad
51	Ballad Rock	BaldRock
52	Piano Pop	PianoPop
53	Soft Ballad	SoftBald
54	Natural Ballad	NatulBld
55	Love Ballad	LoveBald
56	Easy Ballad	EasyBald
57	Miami Folk	MiamiBld
58	Slow Ballad	SlowBald
59	Folk Ballad	FolkBald
60	Pop Ballad 1	PopBald1
61	Pop Ballad 2	PopBald2
62	EP Ballad	EPBallad
63	New R&B Ballad	NewRBBld
Rock		
64	70's Pop Rock	70PoRock
65	New Wave	NewWave
66	Ska	Ska
67	Pop Rock 2	PopRock2
68	Slow Rock	SlowRock
69	70's Rock&Roll	70'sRock
70	Folk Rock	FolkRock
71	Soft Rock	SoftRock
72	Old Rock	OldRock
73	Easy Rock	EasyRock
74	New Shuffle	NewShufl
75	Rock Hip Hop	RkHipHop
76	Rock&Roll 1	R'N'R1
77	Rock Shuffle	RockShfl
78	Rock&Roll 2	R'N'R2
Ballroom		
79	Tango 1	Tango1
80	Spain Matador	Matador
81	Slow Waltz 1	SlowWlz1
82	Swing Fox	SwingFox
83	Salsa 1	Salsa1
84	Cha Cha 1	ChaCha1
85	Cha Cha 2	ChaCha2
86	Beguine 1	Beguine1
87	Beguine 2	Beguine2
88	Rumba 1	Rumba1
89	Samba 1	Samba1
90	Samba 2	Samba2
91	Jive	Jive
92	Fox Trot	FoxTrot
Dance		
93	80's Disco	80sDisco
94	Hip Hop 1	HipHop1
95	House 1	House1
96	House 2	House2
97	Pop Dance 2	PopDanc2
98	Down Beat	DownBeat

99	Techno 2	Techno2
100	Progressive	Progress
101	Rap 1	Rap1
102	Rap 2	Rap2
103	Disco	Disco
104	Soft Disco	SoftDisc
105	Disco Party	DscParty
106	70's Disco	70'sDisc
107	70's Disco Funk	70'sFunk
108	Club Dance	ClubDanc
109	Euro Dance	EuroDanc
110	Hip Hop 2	HipHop2
111	Garage	Garage
Soul & Funk		
112	Funk 1	Funk1
113	Classic Funk	ClasFunk
114	Jay R&B	JayR&B
115	Gospel Swing	GopSwing
116	Gospel	Gospel
117	Hip Hop Soul	HipHopSl
118	Hip Hop Beat	HipHopBt
119	R&B	R&B
120	Soul Beat	SoulBeat
121	R&B Ballad 2	R&BBld2
122	British Soul Pop	BritSoul
Swing & Jazz		
123	Latin Jazz 1	LatinJz1
124	Big Band 1	BigBand1
125	Dixieland 1	Dixland1
126	Guitar Swing 1	GtSwing1
127	Broadway Big Band	BwayBand
128	Swing	Swing
129	Latin Jazz 2	LatinJz2
130	Fusion	Fusion
131	Acid Jazz	AcidJazz
132	Cool Jazz Ballad	CoolJzBd
133	Swing Shuffle	SwingSfl
134	Big Band Medium	BandMid
135	Dixieland 2	Dixland2
136	Acoustic Jazz	AcoustJz
137	Guitar Swing 2	GtSwing2
138	Ragtime	Ragtime
139	Modern Jazz Ballad	MdJzBald
140	Swing Ballad	SwingBal
141	Orchestra Swing	OrhSwing
Country		
142	Country Pop 1	CntyPop1
143	Bluegrass 1	Blugras1
144	8Beat Country	8BtCnty
145	Modern Country	ModrCnty
146	Country Pop 2	CntyPop2
147	Bluegrass 2	Blugras2

148	2/4 Country	2/4Cntry
149	Country Quick Steps	QuickStp
150	Country Folk	CntyFolk
151	Country Shuffle	CnyShufl
Latin & Latin Dancewaltz & Traditional		
152	Samba 3	Samba3
153	Bossa Nova	BosaNova
154	Latin	Latin
155	New Reggae	NewRegga
156	Reggae Dance	DanRegga
157	Paso Doble	Pasodobl
158	Lite Bossa	LteBossa
159	Latin Rock	LatinRck
160	Beguine 3	Beguine3
161	Slow Bolero	SlBolero
162	Disco Samba	DscSamba
163	Mambo	Mambo
164	Meneito	Meneito
165	Rumba 2	Rumba2
166	Rumba 3	Rumba3
167	Tikitikita	Tikitkta
168	Lambada	Lambada
169	Pop Cha Cha 1	PChaCha1
170	Pop Cha Cha 2	PChaCha2
171	Salsa 2	Salsa2
Waltz & Traditional		
172	Waltz	Waltz
173	Old Waltz	OldWaltz
174	English Waltz	EngWaltz
175	German Waltz	GemWaltz
176	Italian Mazurka	ItaMazuk
177	Mexico Waltz	MexWaltz
178	Vienna Waltz	VinaWltz
179	Slow Waltz 2	SlwWltz2
180	Jazz Waltz	JazzWltz
181	Polka	Polka
182	6/8 March	6/8March
183	German Polka	GemPolka
184	Party Polka	PtyPolka
185	Army March	ArmMarch
186	March	March
187	US March	USMarch
188	Musette	Musette
189	French Musette	FMusette
190	Mazurka	Mazurka
World		
191	Enka Ballad	EnkaBald
192	Laendler	Laendler
193	Hawaiian	Hawaiian
194	Sirtake	Sirtake
195	Dangdut	Dangdut
196	6/8 Flipper	6/8Flipp

197	New Age	NewAge
198	Tarantella	Tarantel
199	Scottish	Scottish
200	Norteno	Norteno
Pianist		
201	Pianist 1	Pianist1
202	Pianist 2	Pianist2
203	Pianist 3	Pianist3
204	Jazz 1	Jazz1
205	Jazz 2	Jazz2
206	Jazz Pub	JazzPub
207	Piano Rock	PianoRk
208	Pop Bossa	PopBossa
209	March 1	March1
210	March 2	March2
211	Piano Beat	PianoBt
212	Piano Bar	PianoBar
213	Blues	Blues
214	Pop Waltz	PopWaltz
215	Slow Waltz	SlowWltz
216	Ballad 1	Ballad1
217	Ballad 2	Ballad2
218	6/8 Ballad	6/8Bald
219	Pop 1	Pop1
220	Pop 2	Pop2

Song List

No.	English Name	LCD Name
Folk & Country		
1	Toccata	Toccata
2	Carry Me Back To Old Virginny	Virginny
3	El Condor Pasa	ElCondor
4	Wedding March	Wedding
5	Traumerei	Traumere
6	Greensleeves	Sleeves
7	Home Sweet Home	SwetHome
8	Aloha Oe	AlohaOe
9	Twinkle Twinkle Little Star	Twinkle
10	The Quilting Party	TheParty
11	Die Lorelei	Lorelei
12	My Darling Clementine	Clemtine
13	Over The Waves	OverWave
14	Gwine To Run All Night	Gwine
15	Oh! Susanna	Susanna
16	Turkey In The Straw	TukyStaw
17	Symphony No.6 "Pathetic"	Sympony6
18	Prelude Op.28 No.15	Prelude
19	I've Been Working On The Railroad	WorkRail
20	My Old Kentucky Home	Kentucky
21	Home On The Range	HomeRnge
22	Her Bright Smile Haunts Me Still	HerSmile
23	The Blue-Bells Of Scotland	BlueBell
24	Old Black Joe	BlackJoe
25	Old Dog Tray	DogTray
26	Menuet	Menuet
Golden & Pop		
27	Valse Des Fleurs	Fleurs
28	Fruhlingsstimmen	Fruhling
29	The Colorado Trail	TheTrail
30	Are You Lonesome Tonight?	Lonesome
31	Toy Symphony	ToySymph
32	Auld Lang Syne	LangSyne
33	Ave Maria	AveMaria
34	Tales Of Hoffman	Hoffman
35	La Donne Mobile	DoneMble
36	Serenata	Serenata
37	Bridal March	Bridal
38	Ich Liebe Dich	LieDich
39	Chanson Du Toreador	Toreador
40	Danny Boy	DannyBoy
41	Wiegenlied 2	Wieglid2
42	Spanish Serenade	Serenade
43	Piano Concerto	Concerto
44	Piano Concerto 2	Concrto2
45	Madame Butterfly	Madame
46	Invitation To The Dance	ToDance
47	Wiegenlied 3	Wieglid3
48	My Bonnie	MyBonnie
49	Jingle Bells	JingBell
50	Joy To The World	JoyWorld
51	La Paloma	LaPaloma
52	La Cucaracha	Cucarach
53	La Reine De Saba	Saba
54	Little Brown Jug	BrownJug
55	Battle Hymne Of The Republic	BatlHyme
56	Yellow Rose Of Texas	YellRose
57	The Wabash Cannon Ball	CannBall
58	Turkish March	Turkish
59	Annie Laurie	AnnieLa
60	An Die Musik	Musik
61	Lieder Ohne Worte Op.62 No.6	Lieder
62	Die Forelle	Forelle
63	Red River Valley	RedRiver
64	Symphony No. 94 "Suprise"	No. 94
65	Polonaise	Polonais
66	Rondeau	Rondeau
67	Moments Musicaux	Musicaux
68	Moldau	Moldau
69	Silent Night	SltNight
70	Dreaming Of Home And Mother	Dreaming
71	Yankee Doodle	YankeeD
72	Ring Ring De Banjo	DeBanjo
73	Der Lindenbaum	DerLinde
74	Zigeunerweisen	Zigeuner
75	The Maiden's Prayer	Prayer
76	Fur Elise	FurElise
77	Der Freischutz	DerFreis
78	Maria! Mari!	Maria!
79	I'D Like To Be In Texas	InTexas
80	Symphony No.5	Symphony
81	Anitra's Dance	Anitra
82	Sadko-Chanson Indoue	Chanson
83	Orpheus	Orpheus
84	William Tell Overture	Overture
Classical		
85	Moon Light Sonata	Sonata
86	A Lover'S Concerto	Concerto
87	Air For The G-String	G-String
88	An Der Shonen Blauen Donau	Donau
89	Auf Flugeln Des Gesanges	Gesanges
90	Beautiful Dreamer	Dreamer
91	Dance Des Mirlitons	Mirliton
92	Etude Op. 10 No. 3	Etude3
93	Ode To Joy	OdeToJoy
94	Whispering hope	Whisper
95	Hungarian Dances No. 5	Hungaian
96	From The New World	NewWorld
97	Serenata Rimpiant	Serenata
98	Triumphal March	Trimphal
99	The Skaters Waltz	Skaters
100	O Sole Mio	OSoleMio

Demo List

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

101	Jeanie With The Light Brown Hair	Jeanie
102	Waves Of The Danube	Danube
103	Santa Lucia	SantaLuc
104	Solveig's Song	Solveig
105	Piano Sonatan No. 8 In C Minor	Patheque
106	Brahms Waltz	BrmsWltz
107	Aida	Aida
108	Carmen-Prelude	Carmen
109	L'Arlesienne	L'Arlesi
110	Uungarische Tanz	Uungaris
111	Mazurka	Mazurka
112	Pizzicato Polka	Polka
113	Menuett	Menuett
114	Rigoletto	Rigoleto
115	Serenade	Serenade
116	Song Without Words	SongNoWd
117	Swan	Swan
118	The Dying Swan	DyingSwn
119	Swan Lake Valse	SwnWalse
120	Meditation	Meditati
Piano		
121	Hanon Piano Fingering 1	Hanon1
122	Hanon Piano Fingering 2	Hanon2
123	Hanon Piano Fingering 3	Hanon3
124	Hanon Piano Fingering 4	Hanon4
125	Hanon Piano Fingering 5	Hanon5
126	Basic Tutorial Beyer Piano 12	Beyer12
127	Basic Tutorial Beyer Piano 13	Beyer13
128	Basic Tutorial Beyer Piano 14	Beyer14
129	Basic Tutorial Beyer Piano 15	Beyer15
130	Basic Tutorial Beyer Piano 18	Beyer18
131	Marriage Of Figaro	Marriage
132	Basic Tutorial Beyer Piano 21	Beyer21
133	Basic Tutorial Beyer Piano 29	Beyer29
134	Alfredo And Violetta Column Tower Duet	Alfredo
135	Basic Tutorial Beyer Piano 45	Beyer45
136	2-Part Invention No.13 In A Minor BWV 784	Invetion
137	Basic Tutorial Beyer Piano 50	Beyer50
138	Basic Tutorial Beyer Piano 52	Beyer52
139	Basic Tutorial Beyer Piano 55	Beyer55
140	Basic Tutorial Beyer Piano 59	Beyer59
141	Beyer Eight Degrees Jump Etude	BeyrJump
142	Basic Tutorial Beyer Piano The Scale Of C Major	BeyerC
143	Basic Tutorial Beyer Piano 65	Beyer65
144	Basic Tutorial Beyer Piano 66	Beyer66
145	Old Folks At Home (Piano)	OldFolk2
146	Basic Tutorial Beyer Piano The Scale Of G Major	BeyerG
147	Basic Tutorial Beyer Piano 70	Beyer70
148	Basic Tutorial Beyer Piano 72	Beyer72
149	Basic Tutorial Beyer Piano 73	Beyer73
150	Basic Tutorial Beyer Piano 74	Beyer74

MIDI Implementation Chart

Function		Transmitted	Recognized	Remarks
Basic Channel	Default Changed	1ch 1-16ch	1-16ch 1-16ch	
Mode	Default Messages Altered	× × **********	3 × ×	
Note Number	Note True voice	0-127 **********	0-127 0-127	
Velocity	Note on Note off	o 9nH,V=1-127 x 9nH,V=0	o 9nH,V=1-127 o 9nH,V=0; 8nH,V=0-127	
After Touch	Key Channel	× ×	× ×	
Pitch Bend		×	o	
Control Change	0 1 5 6 7 10 11 64 65 66 67 80 81 91 93 120 121 123	o o × o o × × o × o o × × o o o × o	o o o o o o o o o o o o o o o o × o	Bank Select Modulation Portamento Time Data Entry Volume Pan Expression Sustain Pedal Portamento On/Off Sostenuto Pedal Soft Pedal Reverb Program Chorus Program Reverb Level Chorus Level All Sound Off Reset All Controllers All Notes Off
Program Change	True number	o **********	o 0-127	
System Exclusive		×	o	
System Common	SongPosition Song Select Tune Request	× × ×	× × ×	
System Real Time	Clock Commands	o × *1	× ×	
Aux Messages	Local On/Off Active sense Reset	× o ×	× o o	
Notes	*1 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　　○ : YES
Mode 3: OMNI OFF, POLY　　Mode 4: OMNI OFF, MONO　　× : NO


22
PAP