Roland

E-X20
ARRANGER KEYBOARD
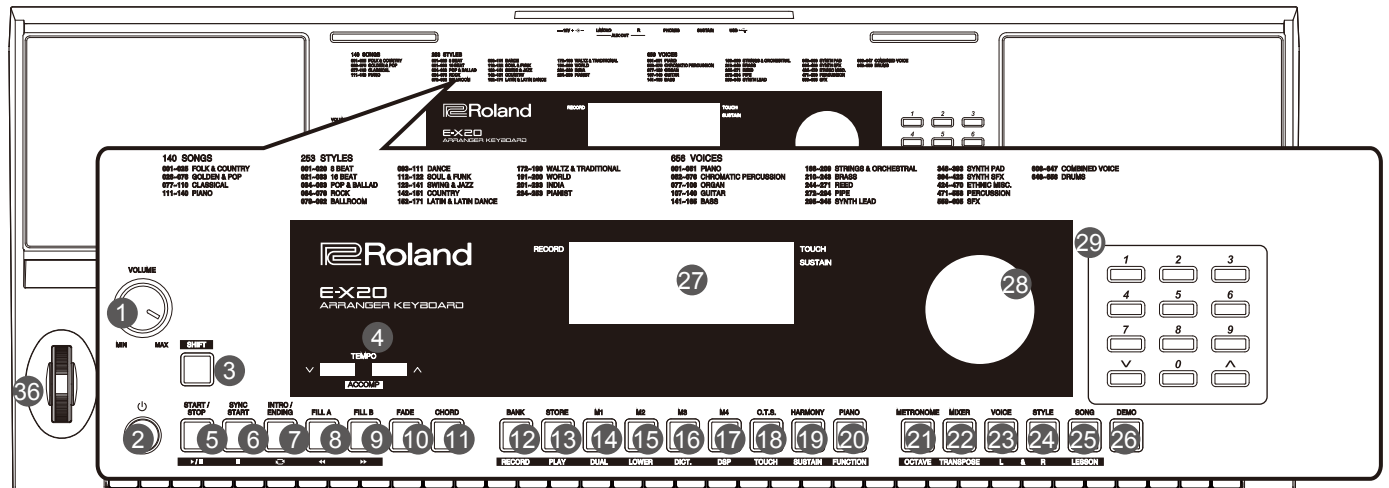
Owner's Manual
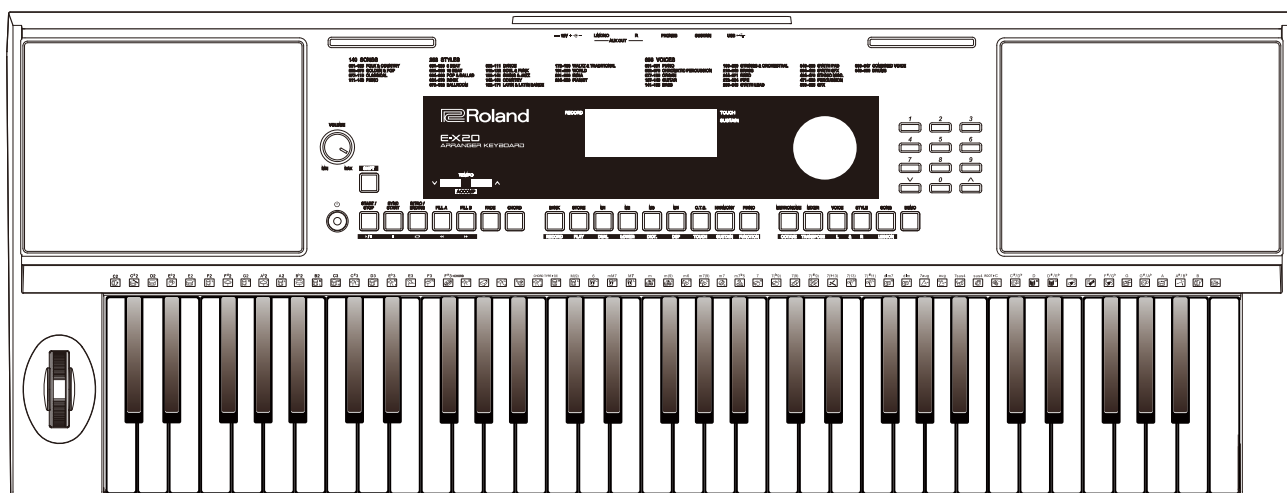
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Contents

Panel & Display Description

Front Panel

1. VOLUME knob
Adjust the master volume.

2. POWER SWITCH
Turn the Power on or off.

3. [SHIFT] button
Select the secondary functions of other buttons.

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

11. [CHORD] button
Enter the chord mode.

In Song Mode

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

6. [‖] button
Pause or continue playing the song.

7. [↻] button
Set the beginning and the end for a loop section of 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. [O.T.S.] button
Turn the One Touch Setting function on or off.

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

20. [PIANO] button
Enter the Piano Mode.

21. [METRONOME] button
Turn the metronome on or off.

22. [MIXER] button
Enter the Mixer menu.

23. [VOICE] button
Enter the Voice 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 or select the number.

When the [SHIFT] button pressed
12. [RECORD] button
Enter the Recording mode.

13. [PLAY] button
Play back the recording.

14. [DUAL] button
Turn the Dual function on or off.

15. [LOWER] button
Turn the Lower function on or off.

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

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

18. [TOUCH] button
Enter the Touch setting menu.

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 HAND] button
Choose to practise the left hand part in Lesson Mode.

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

25. [LESSON] button
Enter the Lesson Mode.

Rear Panel
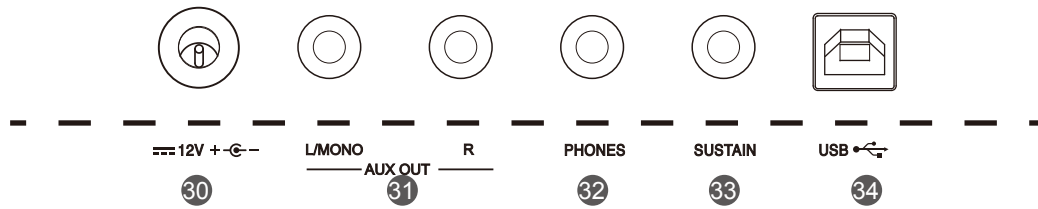
30. DC 12V jack
Connect the DC 12 V power adaptor (optional).

31. AUX OUT jack
Connect external audio equipment

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

33. SUSTAIN jack
Connect a sustain pedal.

34. USB port
Connect to a computer.

LCD

1. RECORD
2. USB CABLE
3. TOUCH
4. SUSTAIN
5. VOICE/ STYLE/ DEMO/ SONG
6. MEASURE
7. BEAT
8. TEMPO
9. M1-M4/ONE TOUCH SETTING
10. DUAL/ LOWER/ HARMONY/ DSP
11. LEFT/RIGHT HAND/ LESSON MODE
12. NOTE INDICATION
13. A.B.C. / FULL RANGE/ FADE/ ACCOMPANIMENT SECTION
14. CHORD
15. TREBLE CLEF
16. BASS CLEF

Setup

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

Power Supply
You can power the instrument either by batteries or by power adaptor. Before you switch your instrument on, turn down the volume of instrument and the connected audio equipment first.

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

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

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

3. Replace the compartment cover, making sure that it locks firmly in place.
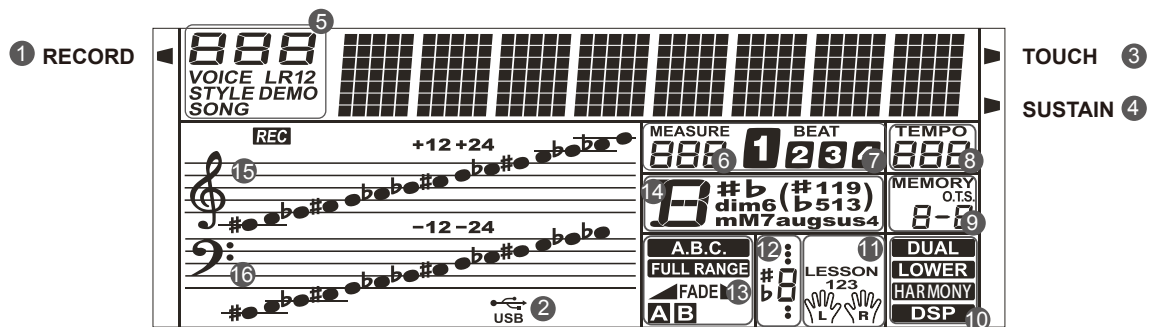
Note:
1. Do not mix used and new batteries.
2. Always use same types of batteries.
3. Always remove the batteries from the instrument when it is not being used for an extended period of time.

Using Power Adaptor
1. Connect the adaptor to the DC 12V jack of this instrument.

2. Plug the adaptor into an AC outlet.

3. Press the POWER SWITCH, the LCD screen is lit, which indicates the instrument is powered on.

4. If you are ready to turn off the instrument, press the POWER SWITCH again.

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

Setting a Music Rest
A music stand is supplied with the instrument. You can easily attach it by inserting it into the slots at the rear of the panel.
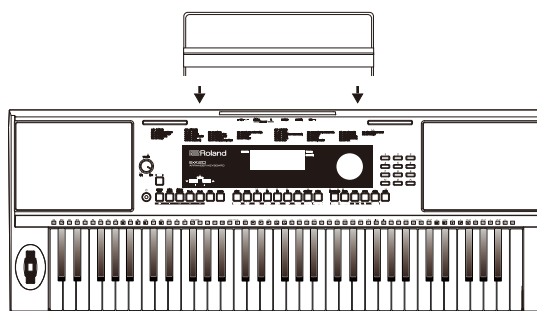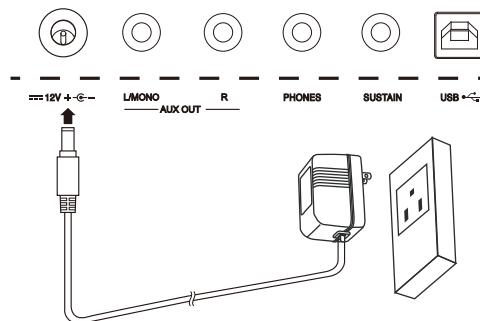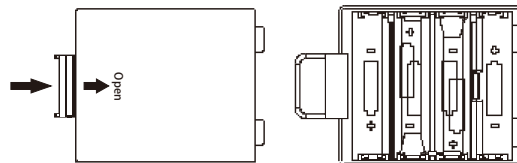
Connecting a Computer

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

Note:

We recommend you to use a USB2.0 interface when connecting the instrument to a computer.
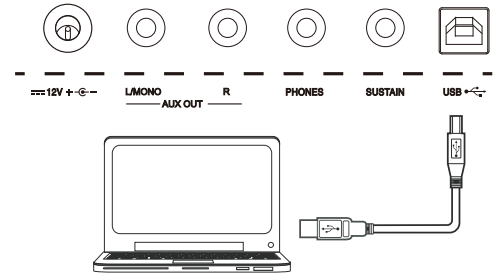
Connecting a Footswitch

An optional footswitch can be plugged into the sustain jack, and you can select one of 4 pedal functions from the Function Menu: Sustain, Soft, Memory Switch and Style Start/Stop.

If you select the sustain pedal, when you step on the pedal, all notes you play on the keyboard will have a longer sustain. (Refer to the Function Menu for details)
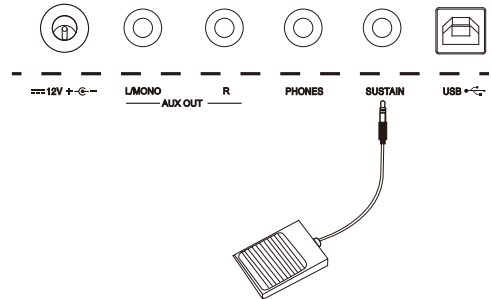
Connecting a pair of Headphones

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

Note:

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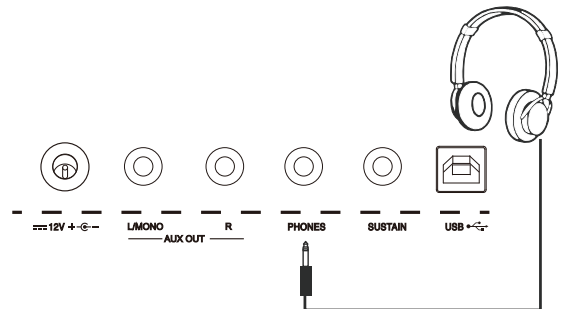
Connecting an Audio Equipment

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

Use the R and L/MONO outputs for stereo output or just the L/MONO output for mono output.

Use an audio cable to connect the AUX OUT jack of the instrument to the AUX IN jack of the external audio equipment.

NOTE:

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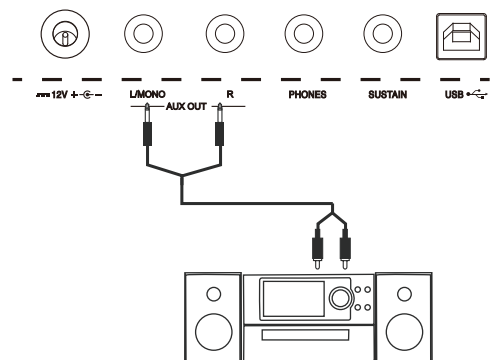
Power/Master Volume

Turn the Power On/Off

1. Make sure the instrument is properly connected to power supply.

2. Press POWER SWITCH, the LCD screen is lit, it indicates the instrument is powered on.

Note:
If the LCD isn't lit after you turn on the instrument, please check the power connection.

Adjust the Master Volume

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

Note:
If the keyboard keeps silent, check if the volume has been set to minimum or if headphones are plugged into the Phone jack.
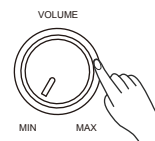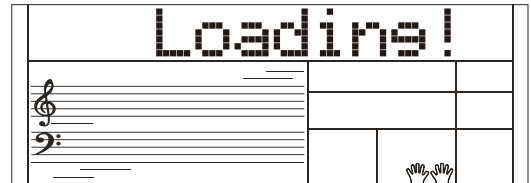
Playing Demo Songs

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

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

2. Use the data dial or the [+/Yes]/ [-/No] button to select a demo song.

3. Press the [DEMO] or [START/STOP] button to stop playing, and exit demo mode.
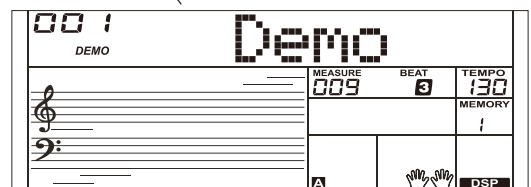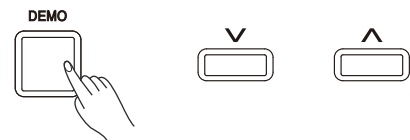
Playing Voices

1. Press the [VOICE] button.
Enter the Voice Mode. The LCD displays the current default voice
name and number.

2. Select a Voice.
Use the data dial, the numeric buttons or the [+/YES]/[-/NO] button to
select the voice you want to play.

3. Play the Voice.
Play the keyboard and enjoy the beautiful voice.
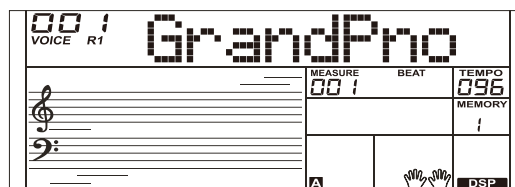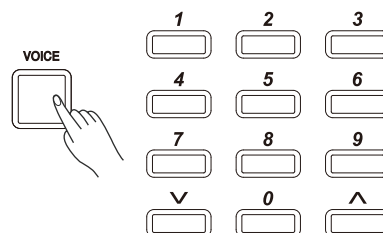
Note:
When the upper/lower voice is on, and then you press the number keys
button, the corresponding upper/lower voice will be selected.

Playing Styles

1. Press the [STYLE] button.
Enter the Style Mode. The LCD displays the current default style
name and number.

2. Select a Style.
Use the data dial, the numeric buttons or the [+/YES]/[-/NO] button to
select the style you want to play.

3. Play the Style.
Press the [START/STOP] button, directly start a rhythm. Or you can
press the [SYNC START] button, then press a key to start the
rhythm.
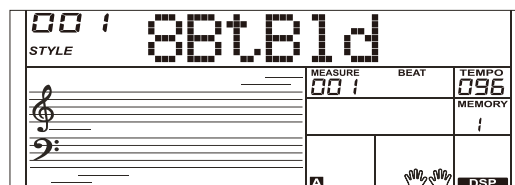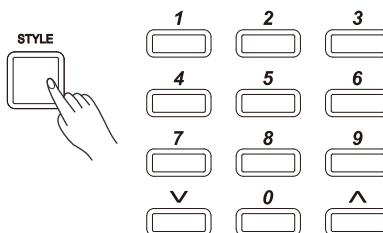
Playing Songs

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

1. Press the [SONG] button.
Enter the song mode. It will play all songs circularly.

2. Select a song.
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.
It will stop the song playback. Press the button again, it will play the current song repeatedly.

4. When the playback stops, press any of [STYLE] or [VOICE] button, you can exiting the song mode.
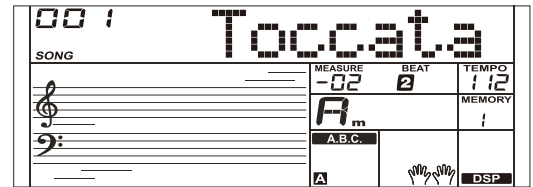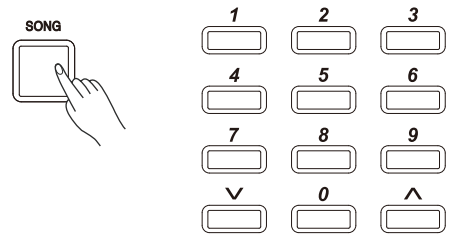
Record

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

1. Press and hold the [SHIFT] button, and then press the [RECORD] button. Enter the user song selection interface, you can use the data dial or the [+/YES]/[-/NO] button to select a user song to which your recording will be saved.

2. Press and hold the [SHIFT] button, and then press the [RECORD] button. Enter the record standby mode, and you can select voice, style or other settings for the recording.

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

4. Press and hold the [SHIFT] button, and then press the [RECORD] button to exit the record mode.

5. If you want to play back a record song, you can press and hold [SHIFT] button, and then press the [PLAY] button to enter the selection interface. Use the data dial or the [+/YES]/ [-/NO] button to select the recorded song you want to play back. Press and hold the [SHIFT] button and then press the [PLAY] button to play back recorded songs.

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 selection interface of record playing back, press and hold the [SHIFT] button and then press the [RECORD] button, it displays "Delete?," press [+/YES] to delete the song, or [-/NO] to cancel and go back to the selection interface.
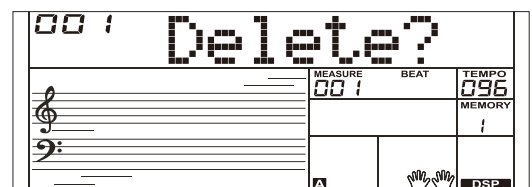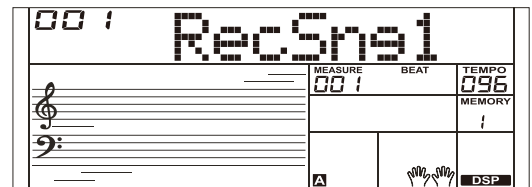
The instrument features a variety of build-in voices .Try selecting different voices and play with various preset effects. Please refer to the Voice List.

Selecting a Voice

When power on, the "VOICE R1" icon will light up and the LCD will display the current voice name and number. Use the data dial, the numeric buttons or [+/YES]/ [-/NO] button to select the voice you want to play.

Note:
Alternatively, you can press the [VOICE] button to switch to the voice mode. The "VOICE R1" icon will light up and the LCD will display the name of upper voice.

Playing two voices simultaneously-DUAL

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

1. In idle mode, press and hold the [SHIFT] button and then press the [DUAL] button to turn dual function on. The LCD displays the current voice name and number, "VOICE R 2" and "DUAL" will light up. You can use the data dial, the numeric buttons or [+/YES]/ [-/NO] button to select the dual voice you want to play. The default Voice R2 is: String Ensembles.

2. Play the keyboard, and then you will hear two different voices layered together. It seems like two different instruments playing at the same time.

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

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

Playing Different Voices with Both hands-LOWER

The lower function splits the keyboard into the left and the right hand areas, each with a different voice. The left hand voice is the lower voice "VOICE 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 [LOWER] button to turn the lower function on. The LCD displays the left hand voice name and number, and the indicate "VOICE L" and "LOWER."

2. You can use the data dial, the numeric buttons or the [+/YES]/[-/NO] button to select the lower voice you want to play. The default Voice L is: String Ensembles.

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

4. When lower function is on, press and hold the [SHIFT] button and then press the [LOWER] button, it will turn lower function off.
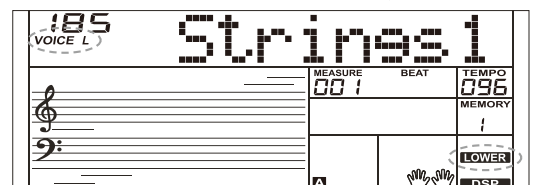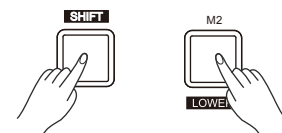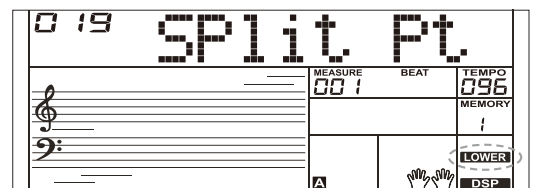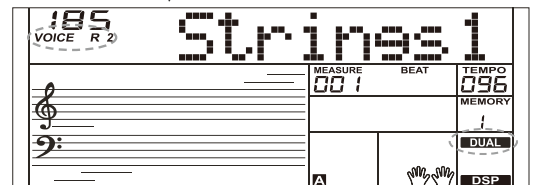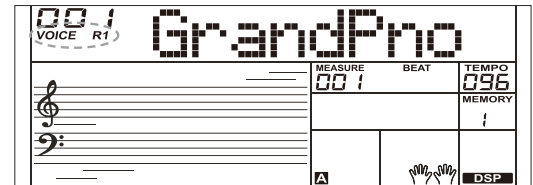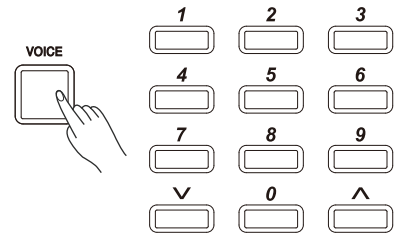
Auto Accompaniment

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 some of the different styles (refer to Style List) and enjoy the auto accompaniment feature.

Play Auto Accompaniment (rhythm track only)

1. Press [STYLE] button.
Enter the style mode. The "STYLE" icon on the LCD will light up. The LCD displays the name and number of the current style.

2. Select a style.
Use the data dial, the numeric buttons or the [+/YES]/ [-/NO] button to select a style you want to play.

3. Start playing a style.
Press the [START/STOP] button to start the rhythm tracks of the auto accompaniment. Also you can press [SYNC START] and then play any key to start the rhythm tracks of the auto accompaniment.
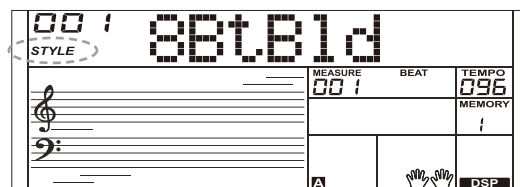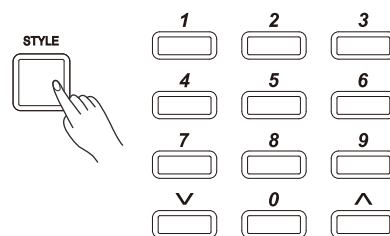
Play Auto Accompaniment(all tracks)

1. Turn the auto accompaniment on.
In style mode, you can press the [CHORD] button to enter the "auto bass chord" (A.B.C.) mode. The keyboard is split into two sections. Left hand section is the chord section. The "A.B.C." icon will light up. Now pressing any key in chord section (Sync Start status) you will hear the fantastic accompaniment.
Press [CHORD] button again to enter "full range" mode.
The "FULL RANGE" icon will light up. You can play chords over the entire keyboard in multi-fingering.

2. Start the auto accompaniment.
You can press [SYNC START] button and then play a chord in chord section to start auto accompaniment of all tracks. When you change a chord, the accompaniment automatically changes.
You can also press [START/STOP] button to start auto accompaniment of rhythm track, then play a chord in chord section. It will start auto accompaniment of all tracks.
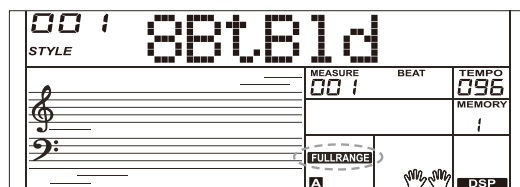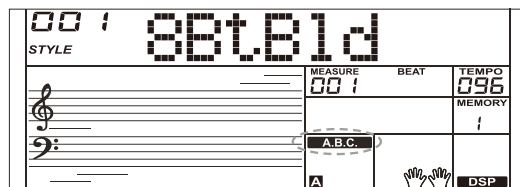
Accompaniment Sections

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

INTRO Section

The intro is an opening section of the song. When the intro pattern is finished, the system will automatically shift to the main section.

MAIN Section

The main is an important section of the song. It will play and repeat infinitely until another section's button is pressed.

FILL-IN Section

Auto fill in function automatically adds a fill to your performance. When the fill-in pattern is finished, accompaniment will shift to the related main section (A,B).

ENDING Section

Ending is used for the ending of the song. When the ending pattern is finished, accompaniment automatically stops.

Note:

1. Hold down the [FILL A]/ [FILL B] button when the style is playing, the selected fill-in pattern repeats continuously until button is released.
2. When style stops, press the [FILL A]/[FILL B] button to select a MAIN section. "A or B" will highlight on LCD.
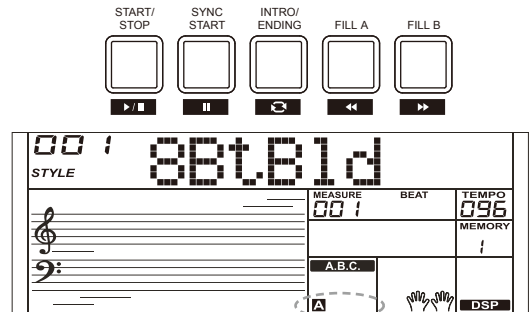
Playing Different Accompaniment Sections

1. Press the [STYLE] button.

2. Use the data dial or [+/YES]/ [-/NO] button to select a style.

3. Press [CHORD] button to enter A.B.C. (auto bass chord) mode.

4. Press [SYNC START] button.

5. Press the [FILL A] button, select the Main A section.

6. Press the [INTRO/ENDING] button. Now the "A" lights up on LCD, and the style is ready to play.

7. As soon as you play a chord with your left hand, the auto accompaniment starts. When the playback of the intro is finished, it automatically leads into Main A section.

8. Press the [FILL B] button. A fill-in plays, automatically followed by the Main B section.

9. Press the [INTRO/ENDING] button again, and it will enter the Ending Section. When the ending is finished, the auto accompaniment automatically stops.
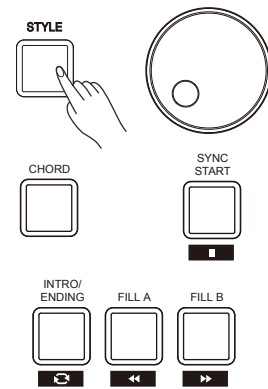
Fade

1. Fade In

Starting the style with fade in produces a smooth beginning, the volume increases from low to high. Press the [FADE] button when Style playback is stopped. The " ◢ FADE" icon will be lighting up, and then flashing with style playing.

2. Fade Out

Stopping the style with fade out produces a smooth ending, the volume decreases from high to low. Press the [FADE] button during Style playback. The "FADE ◥" icon will be lighting up, and then flashing with style playing.

3. Fade In/ Out Time

The default time is 10 seconds.
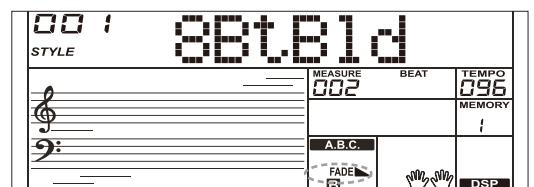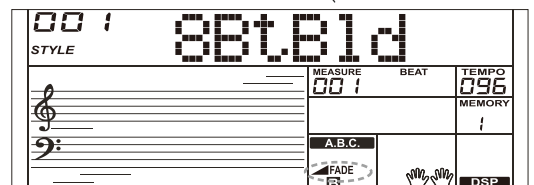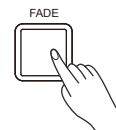
Accompaniment Volume

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

1. Press and hold the [SHIFT] button, and then use the [ACCOMP +]/ [ACCOMP -] button to set accompaniment volume, adjustable range: 0~32, the LCD displays current accompaniment volume level.

2. Press and hold the [SHIFT] button and then press the [ACCOMP +]/ [ACCOMP -] for a while to quickly adjust the volume value.

3. When LCD displays the volume level, press and hold [SHIFT] and then, press the [ACCOMP +]/ [ACCOMP -] button simultaneously to turn the accompaniment volume off. The LCD displays "OFF Accomp". Keep the [SHIFT] button pressed and then press the [ACCOMP +]/ [ACCOMP -] button again to turn the accompaniment volume on.

Note:
It will automatically exit the setting if there is no operation in 5 seconds.

Chord Fingering

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

Chord Basics

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

Triad Type

There are following basic triad types:

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

Chord Inversion

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

Chord Name

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

Single Finger

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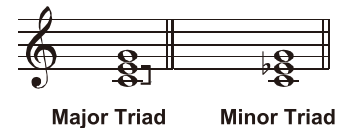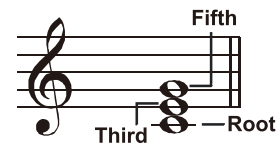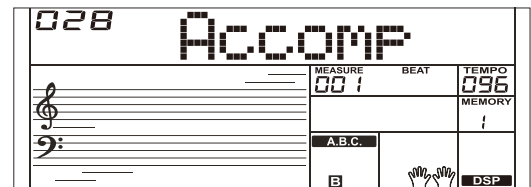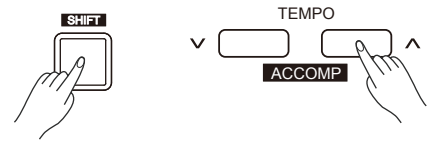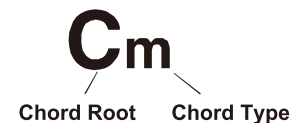
★**Major Triad**
Only press the root note on the keyboard.

★**Minor Triad**
Press the root note and the nearest left black key simultaneously.

★**Seventh chord**
Press the root note and the nearest left white key simultaneously.

★**Minor seventh chord**
Press the root note and the nearest left white and black keys simultaneously.

Multi-finger

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

Note:

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

0 C	1 C_6	2 CM_7	3 $CM_7(\#11)$	4 $CM(9)$	5 $CM_7{}^{(9)}$
6 $C_6{}^{(9)}$	7 Caug	8 Cm	9 Cm_6	10 Cm_7	11 $Cm_7{}^{(b5)}$
12 $Cm(9)$	13 $Cm_7{}^{(9)}$	14 $Cm_7{}^{(11)}$	15 CmM_7	16 $CmM_7{}^{(9)}$	17 Cdim
18 $Cdim_7$	19 C_7	20 C_{7sus4}	21 $C_7{}^{(b5)}$	22 $C_7{}^{(9)}$	23 $C_7{}^{(\#11)}$
24 $C_7{}^{(13)}$	25 $C_7{}^{(b9)}$	26 $C_7{}^{(b13)}$	27 $C_7{}^{(\#9)}$	28 CM_{7aug}	29 C_{7aug}
30 $Csus_4$	31 C_{1+2+5}	Notes enclosed in parentheses⊛are optional; the chords could be recognized without them.			

Tempo

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

1. Use the [TEMPO +]/ [TEMPO -] button to change the tempo. While the tempo value is flashing, use the data dial to quickly change the tempo.

2. Press the [TEMPO+] and [TEMPO-] buttons simultaneously to restore the default tempo setting.

Note:

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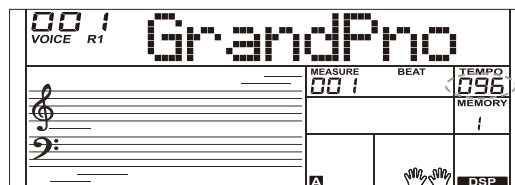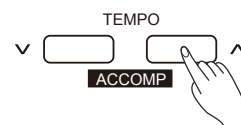
Function Menu

Press and hold the [SHIFT] button and then press the [FUNCTION] button to enter function menu. The LCD displays the current function menu option. Use [+/YES]/ [-/NO] button or the data dial to adjust the parameter of the current option.
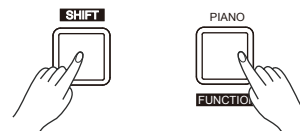
The option and parameters are as follows:

NO.	Content	LCD display	Range	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 RevHall1	RevRoom1, RevRoom2, RevRoom3, RevHall1, RevHall2, RevHall3, RevChrh1, RevChrh2, RevDelay, RevPnDly	RevHall1
7	Reverb Level	xxx Rev Lev	0–32	20
8	Chorus Type	xxx ChrGMCr2	ChrChrs1, ChrChrs2, ChrGMCr1, ChrGMCr2, ChrFlgr1, ChrFlgr2, ChrRtry1, ChrRtry2	ChrGMCr2
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:
It will exit the function menu if there is no operation in 5 seconds.

Tune
This function sets the pitch of entire keyboard in 2-cent increments.

1. Press and hold the [SHIFT] button and then repeatedly press the [FUNCTION] button to select the tune menu. The LCD displays "xxx Tune."
Use [+/YES]/ [-/NO] button or data dial to change tune value. Its range is from -50 to 50 cents.
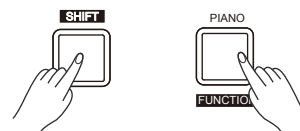
2. Press [+/YES] and [-/NO] buttons simultaneously will set the tune value to its default setting: 0.
The setting applies to both accompaniment and the voice.
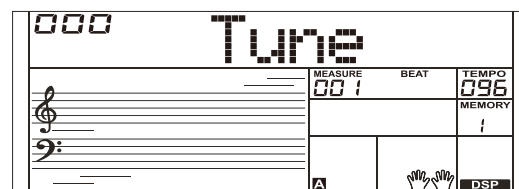
Split Point
This function sets the point which separates the entire keyboard to two sections. The left hand section controls the auto bass chord accompaniment when the A.B.C. function is on, or it plays the lower voices when the A.B.C. function is off.

1. Press and hold the [SHIFT] button and then repeatedly press the [FUNCTION] button to select split point menu. The LCD displays "xxx Split Pt." Use [+/YES]/ [-/NO] button or data dial to change Split Point. The range of Split Point is: 1–61.

2. Press [+/YES] and [-/NO] buttons simultaneously will set the split point to its default setting.
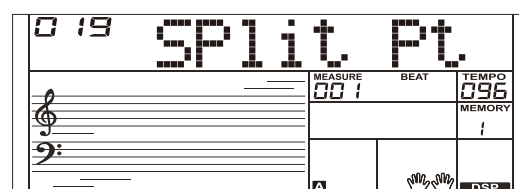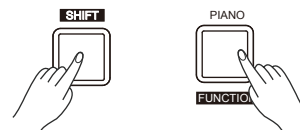
Note:
The Split Point belongs to the left hand area.

Beat Type

1. Press and hold the [SHIFT] button and then repeatedly press the [FUNCTION] button to select beat type menu. The LCD displays "xxx Beat."
Use [+/YES]/ [-/NO] button or data dial to change beat type. The range of beat type: 0, 2–9.

2. Press [+/YES] and [-/NO] buttons simultaneously will set the beat type to its default setting: 4.
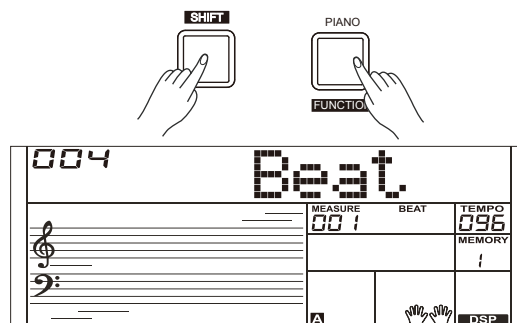
Pedal Type

1. Press and hold the [SHIFT] button and then repeatedly press the [FUNCTION] button to select pedal type menu. The LCD displays "001 Ped Sust."
Use [+/YES]/ [-/NO] button or data dial to change pedal type.

2. There are 4 types of pedal function available.

3. Press [+/YES] and [-/NO] buttons simultaneously will set the pedal type to its default setting: Sust.
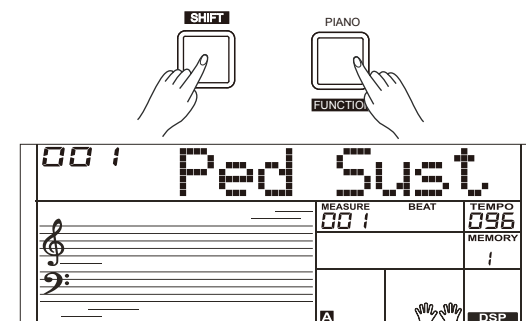
No.	LCD	Pedal Function
1	Ped Sust	Sustain Pedal
2	Ped Soft	Soft Pedal
3	Ped Mem	Memory Switch Pedal
4	Ped St/S	Start/Stop Pedal

Note:
1. The instrument will automatically detect the pedal when power on.
2. Do not press the pedal when turning on the instrument, otherwise, it will reverse the pedal operation.

EQ Type

1. Press and hold the [SHIFT] button and then repeatedly press the [FUNCTION] button to select the EQ type menu. The LCD displays "006 EQ Reset."
Use [+/YES]/ [-/NO] button or data dial to change EQ type.

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
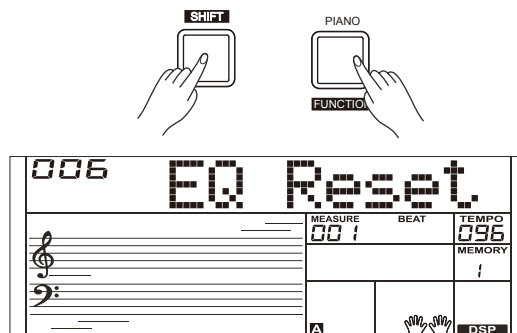
Function Menu

Reverb Type

1. Press and hold the [SHIFT] button and then repeatedly press the [FUNCTION] button to select reverb type menu. The LCD displays "004 RevHall1."
Use [+/YES]/ [-/NO] button or data dial to change reverb type. The default setting is Hall 1.

No.	LCD	Reverb Type
1	RevRoom1	Room 1
2	RevRoom2	Room 2
3	RevRoom3	Room 3
4	RevHall1	Hall 1
5	RevHall2	Hall 2
6	RevHall3	Hall 3
7	RevChrh1	Church 1
8	RevChrh2	Church 2
9	RevDelay	Delay
10	RevPnDly	Pan Delay
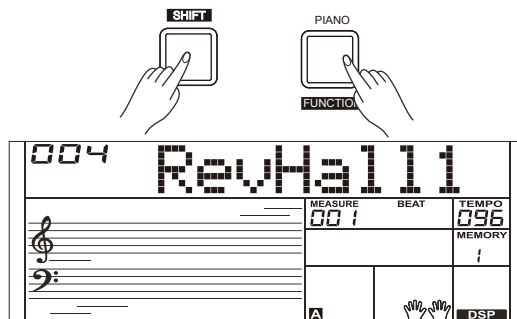
Reverb Level

1. Press and hold the [SHIFT] button and then repeatedly press the [FUNCTION] button to select reverb level. The LCD displays "xxx Rev Lev," adjustable range is: 0-32.
Use the [+/YES]/ [-/NO] button or data dial to change reverb level,

2. Press the [+/YES] and [-/NO] buttons simultaneously to restore its default setting: 20.
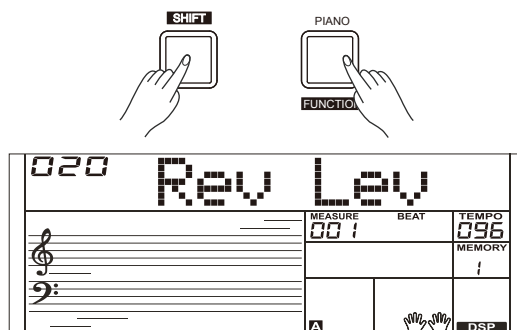
Chorus Type

1. Press and hold the [SHIFT] button and then repeatedly press the [FUNCTION] button to select chorus type menu. The LCD displays "004 ChrGMCr2," Use the [+/YES]/ [-/NO] button or data dial to change chorus type, the default setting is GM Chorus 2.

No.	LCD	Chorus Type
1	ChrChrs1	Chorus 1
2	ChrChrs2	Chorus 2
3	ChrGMCr1	GM Chorus 1
4	ChrGMCr2	GM Chorus 2
5	ChrFlgr1	Flanger 1
6	ChrFlgr2	Flanger 2
7	ChrRtry1	Rotary 1
8	ChrRtry2	Rotary 2
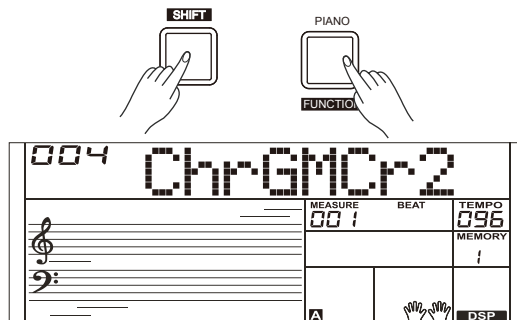
Chorus Level

1. Press and hold the [SHIFT] button and then repeatedly press the [FUNCTION] button to select chorus level menu. The LCD displays "xxx Chr Lev," adjustable range: 0-32.
Use the [+/YES]/ [-/NO] button or data dial to change chorus level.

2. Press the [+/YES] and [-/NO] buttons simultaneously to restore its default setting: 0.
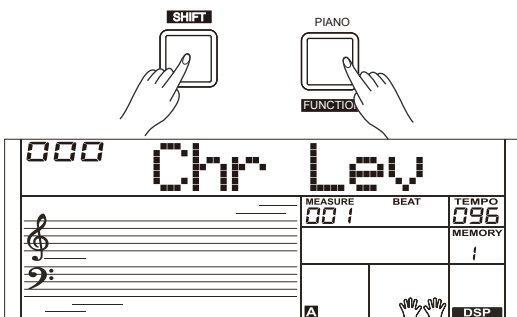
MIDI IN/ OUT

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."

1. Use [+/YES]/ [-/NO] button or data dial to change MIDI IN channel: 1~16, ALL. Press [+/YES] and [-/NO] buttons simultaneously to restore MIDI IN channel to its default setting: ALL.

2. Use [+/YES]/ [-/NO] button or data dial to change MIDI OUT channel: 1~16. Press [+/YES] and [-/NO] buttons simultaneously to restore MIDI OUT channel to its default setting: 1.
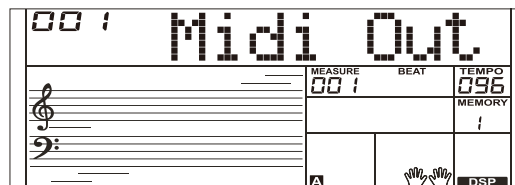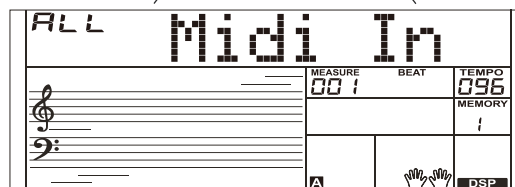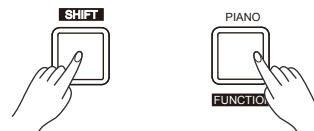
Auto Power Off

1. Press and hold the [SHIFT] button and then repeatedly press the [FUNCTION] button to select auto power off menu. The LCD displays "xxx Power Off."
Use [+/YES]/ [-/NO] button or data dial to change auto power off time. This function offers 3 options: 30 minutes, 60 minutes or OFF and the default setting is: 30 minutes.
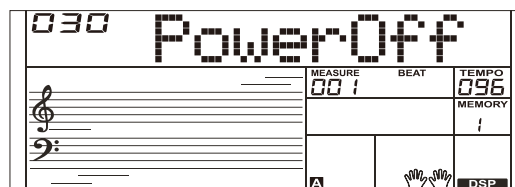
Mixer

Mixer function adjusts separately the volume of different tracks.

1. Press the [MIXER] button to enter the mixer function menu, the LCD displays "030 Rhythm_s" for the initial time when powered on; Next time when you enter the menu, it will show the same option of your last operation.

2. Repeatedly press the [MIXER] button to select an option. Use [+/YES]/ [-/NO] button or data dial to change parameters. The option and parameters are as follows:

Content	LCD Display	Range
Adjust the Rhythm track volume.	XXX Rhythm_s	0–32
Adjust the Percussion track volume.	XXX Rhythm_m	0–32
Adjust the Bass track volume.	XXX Bass	0–32
Adjust the Chord 1 track volume.	XXX Chord1	0–32
Adjust the Chord 2 track volume.	XXX Chord2	0–32
Adjust the Chord 3 track volume.	XXX Chord3	0–32
Adjust the Phrase 1 track volume.	XXX Phrase1	0–32
Adjust the Phrase 2 track volume.	XXX Phrase2	0–32
Adjust the Upper 1 track volume.	XXX Upper 1	0–32
Adjust the Upper 2 track volume.	XXX Upper 2	0–32
Adjust the Lower track volume.	XXX Lower	0–32
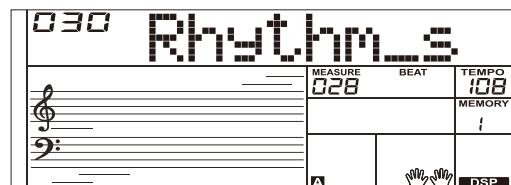
Note:
It will exit the mixer menu if there is no operation in 5 seconds.

Effect Related Settings

Octave

1. Press and hold the [SHIFT] button and then press the [OCTAVE] button to select octave function menu. The LCD displays "xxx Octave." Use [+/YES]/ [-/NO] button or data dial to change octave value, adjustable range is: -1– +1.

2. Press the [+/YES] and [-/NO] buttons simultaneously to restore default setting: 0.
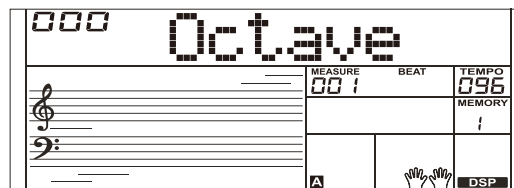
Touch

The touch function lets you dynamically and expressively controls the level of the voice with your playing strength – just as on an acoustic instrument.

1. Press and hold the [SHIFT] button and then press the [TOUCH] button to enter touch menu. The LCD displays "xxx Touch."

2. Use [+/YES]/ [-/NO] button or data dial to change touch response level. Default level of touch response is 2.

3. If the value is set to OFF, there will be no touch response to keyboard.
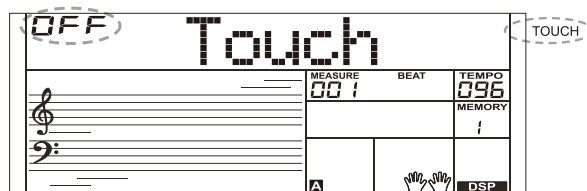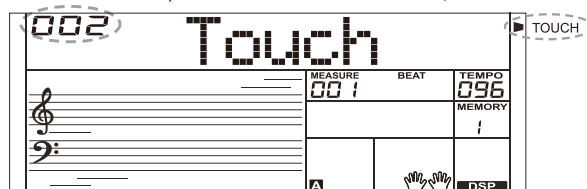
Metronome

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

Note:
The metronome will respond in the next beat if it is turned on during style playback.

Sustain

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

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

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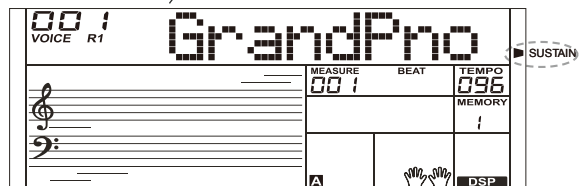
Pitch Bend

Use the pitch bend wheel to bend notes up (roll the wheel away from you) or down (roll the wheel toward you) while playing the keyboard. The pitch bend wheel is self-centering and will automatically return to normal pitch when released.
You can use the pitch bend wheel to imitate the guitar, violin, saxophone, urheen, suona and other instruments pitch bend effect, make your performance more vivid.
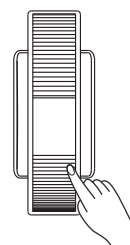
DSP

The DSP simulates sounds in the real environment. With the DSP effect, you can add ambiance and depth to your performance in a variety of ways.

1. Press and hold the [SHIFT] button and then press the [DSP] button to set the DSP effect on. The DSP indicator lights up on LCD. The DSP effect is automatically activated when turning on the instrument.

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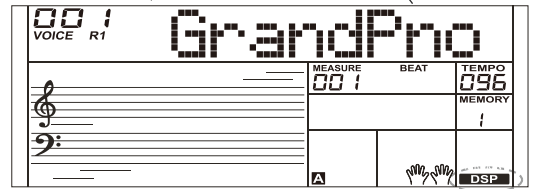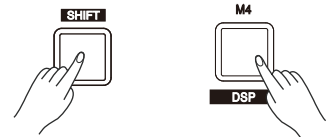
Transpose

1. Press and hold the [SHIFT] button and then press the [TRANSPOSE] button to enter the transpose menu. The LCD displays "xxx Transpos."

2. Use [+/YES]/ [-/NO] button or data dial to change transpose value, adjustable range:-12– +12, the default value is: 0.
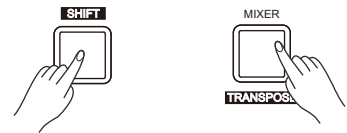
Harmony

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

1. Press the [CHORD] button to turn on the A.B.C. function.

2. Press the [HARMONY] button to turn the harmony effect 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.
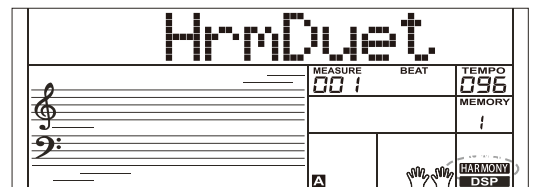
Note:
1. Harmony cannot be turned on when the Full Range fingering mode is selected.
2. The harmony types of "1+5," "Octave 1" or "Octave 2" are always available. Other types of harmony will respond only when the A.B.C. is ON.

Register Memory

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

Registering the Panel Setting

1. There are 8 memory banks, and each bank has 4 memories (M1–M4).

2. Holding down the [STORE] button, then press one of the memory buttons [M1]–[M4]. Note that new settings will replace the previous memory data.

3. Parameters that can be saved to the registration memory:
Voice: main voice, dual, lower, DSP, mixer.
Accompaniment: style, tempo, accompaniment on/off.
Function: touch, some parameters in the function menu.
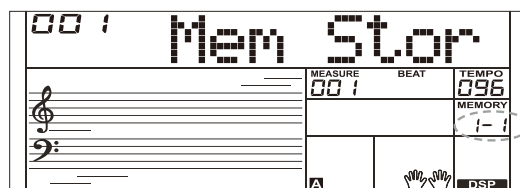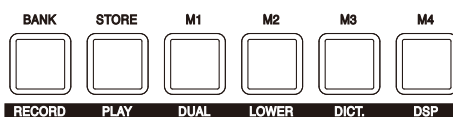
Recalling the Registered Panel Settings

1. Press one of the memory buttons: [M1]–[M4]. For example, press [M2], and the panel settings stored in the memory 2 of bank 1 are recalled.

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

Selecting a Registration Bank

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

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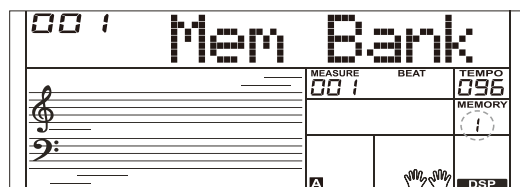
One Touch Setting

When One Touch Setting is switched on, you can instantly recall all auto accompaniment related settings including voices selection and digital effects simply with a single touch of a button.

1. Press the [O.T.S.] button to turns on the One Touch Setting for current style. The LCD displays "O.T.S.". Press one of the One Touch Setting buttons [M1]–[M4].Various panel settings (such as voice, effect, etc.) that match the selected style can be instantly recalled.
Auto accompaniment is automatically turned on during O.T.S. mode and the lower and dual functions are disengaged.

2. Press the [O.T.S.] button again to turn off the One Touch Setting. It will automatically switch to the registered memory.
The LCD displays "MEMORY."

3. One Touch Setting parameter list:
Voice (Volume, Pan, Octave)
Dual (Volume, Pan, Octave)
Left Hand (Volume, Pan, Octave)

Note:
The O.T.S. is automatically turned off when you enter the song mode.
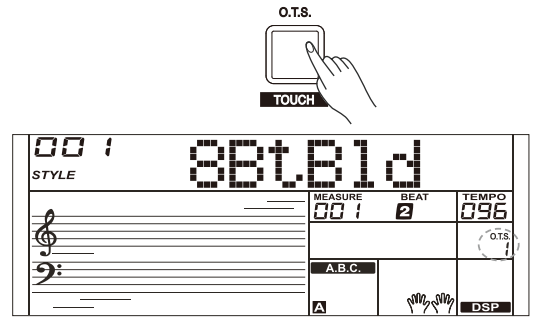
Record

Use the powerful record function; you can record your own keyboard performance in real time and save it as a user song, just like using recording equipment, and you can play back the recording.

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 and then press the [RECORD] button to select a user song, the "REC" icon lights up. The LCD displays "XXX NoFileX," if you have selected a user song with no record data; or the LCD displays "XXX RecSngX," if you have selected a user song with record data, for example, "001 RecSng1." You can use [+/YES]/ [-/NO] button or data dial to select a user song you want.

3. Press and hold the [SHIFT] button and then press the [RECORD] button to enter the recording standby mode, the REC icon starts flashing. Now you can adjust such settings as the voice, 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.
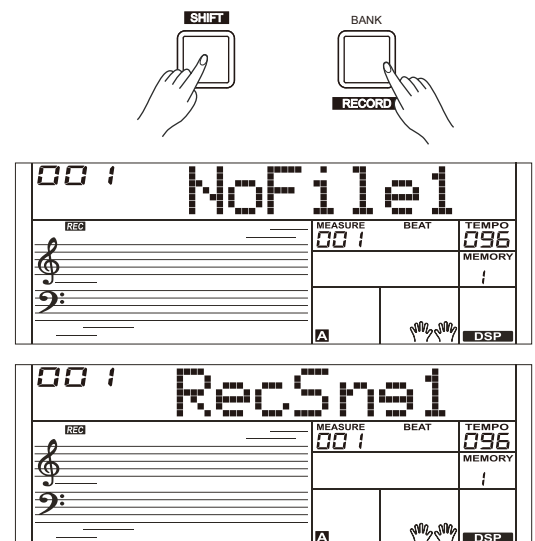
Record

Start Recording

1. In the recording standby mode, press the [START/STOP] button to start recording. The four beats on LCD start flashing and the measures start counting down. You can stop recording by pressing the [STAR/ STOP] button.

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

3. While recoding, the [SYNC START] button is unavailable.

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 record icon will light off.
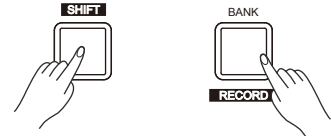
Automatically Stop Recoding

1. When recording is in process, if the memory is full, the recording will stop and save automatically.

2. If you are recording the accompaniment, the recording will stop automatically when the ending of the rhythm finishes.

Playback Recording

1. In idle mode, holding down [SHIFT] button and then press the [PLAY] button to enter the selection interface. The LCD displays "XXX NoFileX," if you have selected a user song with no record data; or the LCD displays "XXX PlySngX," if you have selected a user song with record data, for example, "001 PlySng1."
You can use [+/YES]/ [-/NO] button or data dial to select a user song you want to playback.

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.
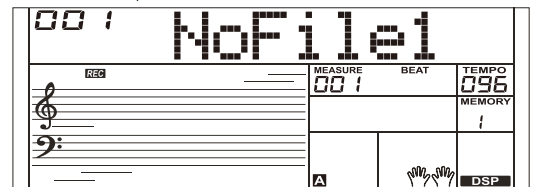
Delete Recording

1. Pressing and holding [RECORD] and [PLAY] buttons together and turn power on simultaneously, all user songs will be erased.

2. In the recording playback status, holding down [SHIFT] button and then press the [RECORD] button, the LCD will display "Delete?," press [+/YES] button to delete user song, press the [-/NO] button to cancel.
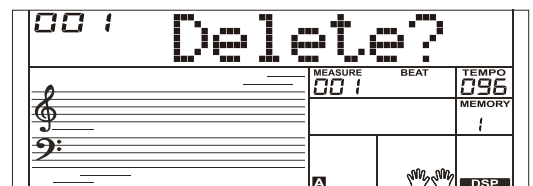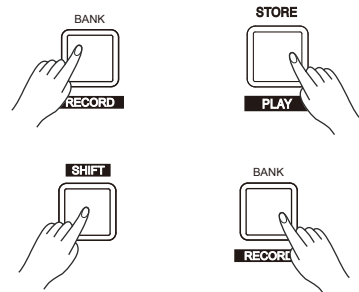
Note:
The saved user songs will not be lost after power off.

Playing the Demo Song

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

1. Press the [DEMO] button, the DEMO icon is lit, all demo songs will play in circle.

2. Use [+/YES]/ [-/NO] button or data dial to select different demo song. Press the [DEMO] or [START/STOP] button to stop playing and exit the demo mode.

Note:
In the demo status, all buttons and keys are unavailable except [DEMO], [START/STOP], [+/YES], [-/NO] button, [TEMPO +], [TEMPO -], data dial, [VOLUME] knob and POWER SWITCH.
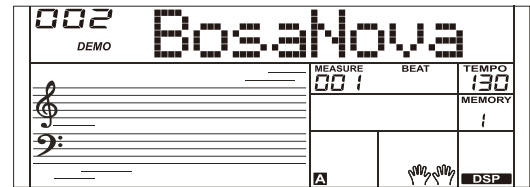
Piano Mode

This function 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, the accompaniment control is the same as in other mode. The accompaniment only plays the rhythm part.

Note:
In piano mode, you can enter the mixer menu and the function menu. In piano mode, the A.B.C. is automatically turned off.
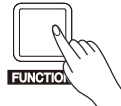
Song

The instrument has a variety of songs, use [+/YES]/ [-/NO] button and data dial to select a song. All songs can be practised in the lesson mode.

Listen to the songs

1. Press the [SONG] button to enter the song mode. All songs will play circularly.

2. Use the [+] or [-] button to select a song.

3. During song playback, press [SONG] or [START/STOP] to stop the playback.
When the song stops, press the [START/STOP] button, it will play the current song repeatedly.

4. When the song stops, press the [STYLE] or [VOICE] button to exit the song mode.
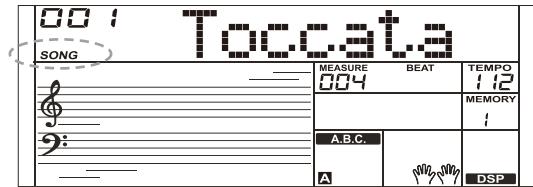
Song Control

1. Introductory Beat
Before song starts playing, it has the introductory beat; the measure starts from negative value. It begins to play the melody when the measure goes to 1.

2. REW, FF and PAUSE
When the song is playing:
Press the [⏩] button to fast forward the song.
Press the [⏪] button to rewind the song (base on the measure).
Press the [⏸] button to pause the playing song, press again to continue playing.

3. Song Repeat
When playing the song, press the [↻] to set the beginning for a loop section of the current song, then press it again to set the loop end. During loop playback, press the same button to quit the loop and go back to song playback.
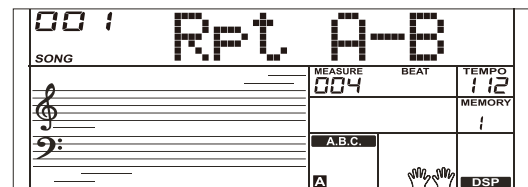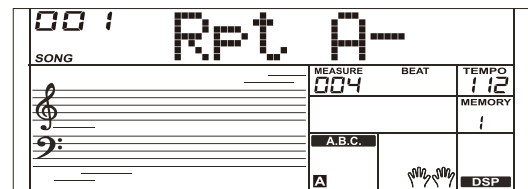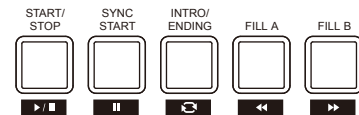
Lesson Mode

Control buttons in the lesson mode: [SHIFT] + [LESSON], [SHIFT] + [L], [SHIFT] + [R] and [SHIFT] + [L] + [R].

1. Enter the lesson mode
While the song stops, holding down the [SHIFT] button and press the [LESSON] button.

2. Select the practice hand.
All songs can be practised in three types: time training, note training and performance mode. The grading system will help you keep track of your progress.
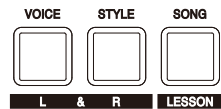
Use [SHIFT] + [L], [SHIFT] + [R] or [SHIFT] + [L] + [R] button to select the lesson you want to practice. Alternatively, the keyboard will automatically select the right hand practice for you.

Note:

1. The left-hand practice may vary for different type of songs. If you choose a rhythm song, the left hand practices the chord; if you choose a piano song, the left hand practices the melody. Some MIDI songs may not have practice for the left hand.

2. You cannot change the practice mode when the song is playing. When you finish the song, it will grade your practice automatically. However, no score will be given if you stop halfway.

3. When the song is playing, the staff and the chord will be displayed on the LCD, telling you the note position.

Lesson 1 - Practice timing

While the song stop playing, holding down [SHIFT] button and then press the [LESSON] button to enter the lesson mode. The "LESSON 1"icon lights up on LCD. In Lesson 1 mode, you need to play at the correct time value. As long as you play any key at the right time, the correct note will sound.

Lesson 2 - Practice note accuracy

Press the [SHIFT] + [LESSON] buttons again to enter the lesson 2 mode. The "LESSON 2" icon lights up. In LESSON 2 mode, you need to play the correct notes. The lesson will continue only when you have played the note displayed on LCD, otherwise the song will stop and wait.

Lesson 3 - Performance

Press the [SHIFT] + [LESSON] button the third time to enter the lesson 3 mode. Or you can repeatedly press the [LESSON] button when the song stops playing. The "LESSON 3" icon lights up. In LESSON 3 mode, it will score your practice by the correction of the time value and notes.

Comment Function:

In LESSON 1, LESSON 2 and LESSON 3, your performance will be graded as follows:
The 1 class: "Excellent!"
The 2 class: "Very Good!"
The 3 class: "Good!"
The 4 class: "Try Again!"
It will automatically play back the current song after giving comments.
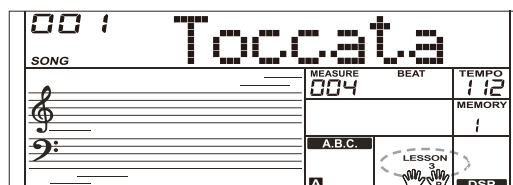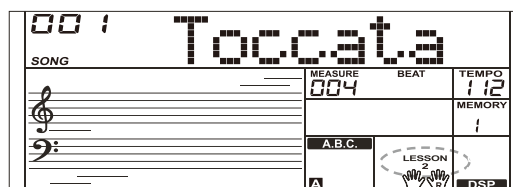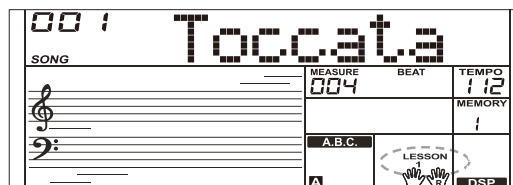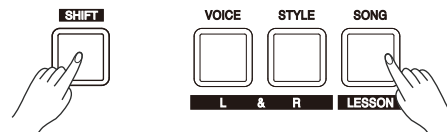
Chord Dictionary

If you know the name of a chord but don't know how to play it, you can use the Chord Dictionary function. You can learn the chord and test in this features.

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 display "Dict 1," and the A.B.C. is automatically set to 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 display. 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 enter the DICT 2 mode.

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

Exit Chord Dictionary

In DICT 2 mode, press and hold the [SHIFT] button and then press the [DICT.] button again to turn off chord dictionary.

24 Chord Types in the chord dictionary 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
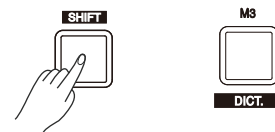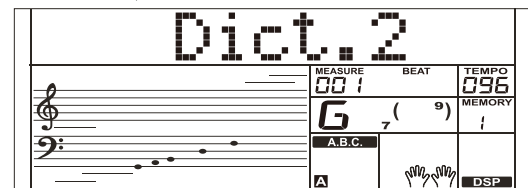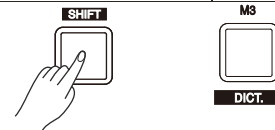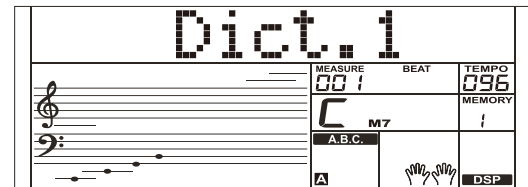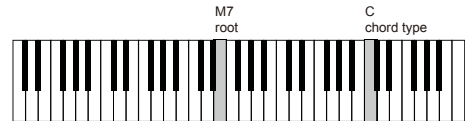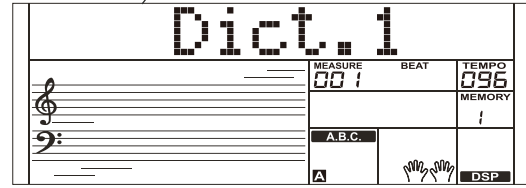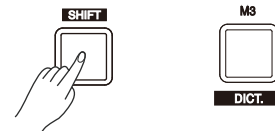
The pedal function will make your performance more natural and with greater expressiveness.

Multi-function Pedal

You can refer to Pedal Type chapter for details.

1. Sustain Pedal

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

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

Release the pedal to turn the sustain effect off.

2. Soft Pedal

When the soft pedal is selected, pressing this pedal will make the notes you play sound softer.

3. Memory Pedal

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

Note:

If the current memory recalled cantains pedal settings, the pedal function will be automatically re-defined by the settings.

4. Style Start/Stop Pedal

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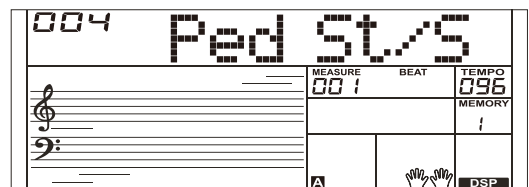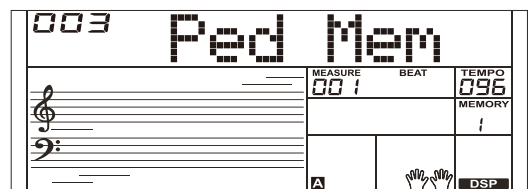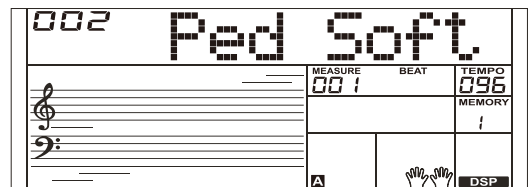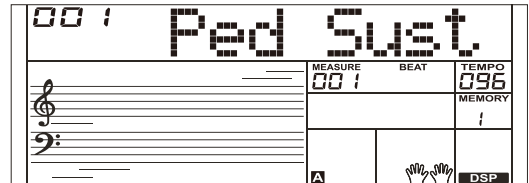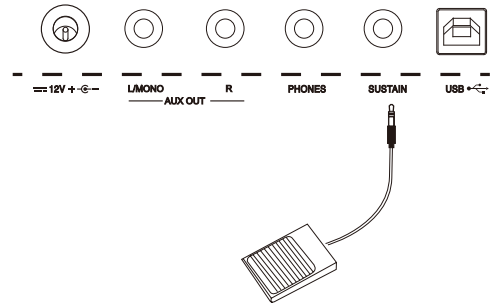
MIDI

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 wide variety of electronic musical instruments, computers and other related devices to connect and communicate with one another. MIDI carries event messages that specify notation, pitch and velocity, control signals for parameters such as volume, vibrato, audio panning, and program change information to change the voice selections.

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

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

The main application of MIDI

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

2. Used as a MIDI Keyboard
When you play the keyboard, change the voices or turn the DSP on/off, the instrument will send MIDI data to the computer, which will be saved as records.(It only records your keyboard performance when playing along with accompaniment.) You can edit the records on the computer, such as changing the channels or voices, adding DSP effects. Then play back the records with the instrument or other sound source (such as a sound card). You can play the keyboard along with the playback. Refer to MIDI Implementation Chart for more MIDI controls.

3. Select a MIDI Device
To use the USB port of the instrument, you need to set the software on your computer. For example, set the Cakewalk Pro Audio MIDI software under WINDOWS XP operating system.
Open the Cakewalk Pro Audio MIDI software.

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.
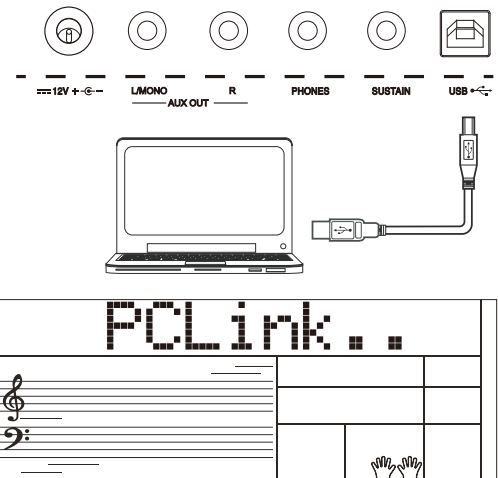
Troubleshooting

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

Notice:
If you notice any abnormality that cannot be handled, please connect the provider or specified repair agent, and have the instrument inspected by qualified service personnel.

Specifications

Keys
61 Keys with Touch Response，3 Touch Levels

LCD Display
Multi-functional LCD

Polyphony
128

Voices
656

Styles
253

Demos
8

Songs
140

Tempo
30–280

Panel Memory
32

DSP
Use this feature, you will produce a broader and fuller playing effect

Chord mode
Single-finger, Multi-finger

Chord dictionary
Convenient for users to learn chords

Accompaniment/Song Control
Start/Stop, Sync Start, Intro/Ending, Fill A, Fill B,

Record
10 user song, 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, A.B.C., Fade, Bank (Record), Store (Play), M1 (Dual), M2 (Lower), M3 (Dict.), M4 (DSP), O.T.S. (Touch), Voice (L), Style (R), Song (Lesson), Piano (Function), Demo, -/NO, +/YES, Data Dial

Connectors
USB,SUSTAIN,PHONES,AUX OUT,DC IN.

Power Supply
DC 12 V / 1,000 mA

Amplifiers
3 W x 2

Speakers
12 cm / 4 Ω x 2

Dimensions
956 (W) x 360 (D) x 133 (H) mm

Weight
5.0 kg

* This document explains the specifications of the product at the time that the document was issued. For the latest information, refer to the Roland website.

Voice List

NO.	English Name	LCD Name
	Piano	
1	Grand Piano	GrandPno
2	Ballad Piano	BalladP
3	Mellow Piano	MellowP
4	Bright Piano	BrightP
5	Acoustic Piano	AcPiano
6	Acoustic Piano (wide)	AcPianoW
7	Acoustic Piano (dark)	AcPianoD
8	Octave Grand Piano 1	OctPno1
9	Octave Grand Piano 2	OctPno2
10	Piano & Strings	Pno&Str
11	Piano & Pad	Pno&Pad
12	Piano & Choir	Pno&Cho
13	Piano & EP	Pno&EP
14	Piano & Vibraphone	Pno&Vib
15	Harpsichord 1	Harpsi1
16	Harpsichord 2	Harpsi2
17	Harpsichord (octave mix)	HarpsiO
18	Harpsichord (wide)	HarpsiW
19	Harpsichord (with key off)	HarpsiOf
20	Honky Tonk Piano 1	HnyTonk1
21	Honky Tonk Piano 2	HnyTonk2
22	Honky Tonk Piano (wide)	HnyTonkW
23	Honky Tonk Piano (dark)	HnyTonkD
24	Electric Grand Piano 1	E.Grand1
25	Electric Grand Piano 2	E.Grand2
26	Electric Grand Piano (wide)	E.GrandW
27	Electric Grand Piano (dark)	E.GrandD
28	Detuned Electric Piano 1	DetunEP1
29	Detuned Electric Piano 2	DetunEP2
30	Electric Piano 1	E.Piano1
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 1	Clavi1
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	ChoirEP
49	Wah EP	WahEP
50	Modern EP	ModernEP
51	EP Pad	EPPad
	Chromatic Percussion	
52	Celesta 1	Celesta1
53	Celesta 2	Celesta2
54	Celesta 3	Celesta3
55	Glockenspiel 1	Glocken1
56	Glockenspiel 2	Glocken2
57	Glockenspiel 3	Glocken3
58	Music Box 1	MuscBox1
59	Music Box 2	MuscBox2
60	Music Box 3	MuscBox3
61	Vibraphone 1	Vibra1
62	Vibraphone 2	Vibra2
63	Vibraphone (wide)	VibraW
64	Marimba 1	Marimba1
65	Marimba 2	Marimba2
66	Marimba (wide)	MarimbaW
67	Xylophone 1	Xylopho1
68	Xylophone 2	Xylopho2
69	Xylophone 3	Xylopho3
70	Tubular Bells 1	TubulBe1
71	Tubular Bells 2	TubulBe2
72	Church Bell	ChurBell
73	Carillon	Carillon
74	Dulcimer 1	Dulcime1
75	Dulcimer 2	Dulcime2
76	Santur	Santur
	Organ	
77	Italian 60's Organ	60'sOrgn
78	Drawbar Organ 1	DrawOrg1
79	Drawbar Organ 2	DrawOrg2
80	Drawbar Organ 3	DrawOrg3
81	Detuned Drawbar Organ	DeDraOrg
82	Detuned Percussive Organ	DePerOrg
83	Percussive Organ 1	PercOrg1
84	Percussive Organ 2	PercOrg2
85	Percussive Organ 3	PercOrg3
86	70's Percussive Organ	70'sPcOr
87	Rock Organ 1	RockOrg1
88	Rock Organ 2	RockOrg2
89	Rock Organ 3	RockOrg3
90	Church Organ 1	ChurOrg1
91	Church Organ 2	ChurOrg2
92	Church Organ 3	ChurOrg3
93	Church Organ (octave mix)	ChurOrgO
94	Detuned Church Organ	DeChuOrg
95	Reed Organ 1	ReedOrg1
96	Reed Organ 2	ReedOrg2
97	Rotary Organ	RotyOrgn
98	Puff Organ	PuffOrgn
99	Accordion 1	Acordin1
100	Accordion 2	Acordin2
101	Accordion 3	Acordin3
102	Harmonica 1	Harmnic1
103	Harmonica 2	Harmnic2
104	Harmonica 3	Harmnic3
105	Tango Accordion 1	TangAcd1
106	Tango Accordion 2	TangAcd2
	Guitar	
107	Acoustic Guitar (nylon) 1	NylonGt1

Voice List

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) 1	SteelGt1
113	Acoustic Guitar (steel) 2	SteelGt2
114	12-Strings Guitar	12StrGtr
115	Mandolin 1	Mandoli1
116	Mandolin 2	Mandoli2
117	Steel Guitar with Body Sound	SteelBdy
118	Electric Guitar (jazz) 1	JazzGtr1
119	Electric Guitar (jazz) 2	JazzGtr2
120	Electric Guitar (pedal steel)	PedalGtr
121	Electric Guitar (clean) 1	CleanGt1
122	Electric Guitar (clean) 2	CleanGt2
123	Electric Guitar (detuned clean)	DetClnGt
124	Mid Tone Guitar	MidTonGt
125	Electric Guitar (muted) 1	MutedGt1
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 1	Ovrdriv1
131	Overdriven Guitar 2	Ovrdriv2
132	Guitar Pinch	GtPinch
133	Distortion Guitar 1	DistGtr1
134	Distortion Guitar 2	DistGtr2
135	Distortion Guitar (with feedback)	FeedbkGt
136	Guitar Feedback	GtrFedbk
137	Distorted Rhythm Guitar	DistRyth
138	Guitar Harmonics 1	GtrHarm1
139	Guitar Harmonics 2	GtHarmo2
140	Velocity Nylon Guitar	NylnGtVe
Bass		
141	Acoustic Bass 1	AcoBass1
142	Acoustic Bass 2	AcoBass2
143	Wah Bass	WahBass
144	Electric Bass (finger)	FngrBass
145	Finger Slap Bass	FngrSlap
146	Electric Bass (pick) 1	PickBas1
147	Electric Bass (pick) 2	PickBas2
148	Fretless Bass 1	Fretles1
149	Fretless Bass 2	Fretles2
150	Slap Bass 1	SlapBas1
151	Slap Bass 2	SlapBas2
152	Slap Bass 3	SlapBas3
153	Slap Bass 4	SlapBas4
154	Synth Bass 1	SynBass1
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) 1	RubbBas1
164	Synth Bass (rubber) 2	RubbBas2
165	Attack Pulse	AtackPls
Strings & Orchestral		
166	Violin 1	Violin1
167	Violin 2	Violin2
168	Violin (slow attack)	SlViolin
169	Viola 1	Viola1
170	Viola 2	Viola2
171	Cello 1	Cello1
172	Cello 2	Cello2
173	Contrabass 1	Contrbs1
174	Contrabass 2	Contrbs2
175	Tremolo Strings 1	TremStr1
176	Tremolo Strings 2	TremStr2
177	Tremolo Strings 3	TremStr3
178	Pizzicato Strings 1	PizzStr1
179	Pizzicato Strings 2	PizzStr2
180	Orchestral Harp 1	Harp1
181	Orchestral Harp 2	Harp2
182	Yang Chin	YangChin
183	Timpani 1	Timpani1
184	Timpani 2	Timpani2
185	String Ensembles 1	Strings1
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 1	SynStrs1
192	Synth Strings 2	SynStrs2
193	Synth Strings 3	SynStrs3
194	Synth Strings 4	SynStrs4
195	Synth Strings 5	SynStrs5
196	Choir Aahs 1	ChorAah1
197	Choir Aahs 2	ChorAah2
198	Choir Aahs 3	ChorAah3
199	Voice Oohs 1	VoicOoh1
200	Voice Oohs 2	VoicOoh2
201	Humming	Humming
202	Analog Voice	AnaVoice
203	Synth Voice 1	SynVoic1
204	Synth Voice 2	SynVoic2
205	Orchestra Hit 1	OrchHit1
206	Orchestra Hit 2	OrchHit2
207	Bass Hit Plus	BassHit
208	6th Hit	6thHit
209	Euro Hit	EuroHit
Brass		
210	Trumpet 1	Trumpet1
211	Trumpet 2	Trumpet2
212	Dark Trumpet	DarkTrp
213	Trombone 1	Trmbone1
214	Trombone 2	Trmbone2

215	Trombone 3	Trmbone3		269	Clarinet 2	Clarine2
216	Bright Trombone	BritBone		270	Clarinet 3	Clarine3
217	Tuba 1	Tuba1		271	2 Clarinets	2Clarins
218	Tuba 2	Tuba2		Pipe		
219	Muted Trumpet 1	MuteTrp1		272	Piccolo 1	Piccolo1
220	Muted Trumpet 2	MuteTrp2		273	Piccolo 2	Piccolo2
221	Muted Trumpet 3	MuteTrp3		274	Piccolo 3	Piccolo3
222	French Horn 1	FrHorn1		275	2 Piccolos	2Picolos
223	French Horn 2	FrHorn2		276	Sweet Flute	SweeFlut
224	French Horn 3	FrHorn3		277	Flute 1	Flute1
225	Brass Section 1	Brass1		278	Flute 2	Flute2
226	Brass Section 2	Brass2		279	Flute 3	Flute3
227	Brass Section 3	Brass3		280	2 Flutes	2Flutes
228	Synth Brass 1	SynBras1		281	Recorder 1	Recorde1
229	Synth Brass 2	SynBras2		282	Recorder 2	Recorde2
230	Synth Brass 3	SynBras3		283	2 Recorders	2Records
231	Synth Brass 4	SynBras4		284	Pan Flute 1	PanFlut1
232	Synth Brass 5	SynBras5		285	Pan Flute 2	PanFlut2
233	Synth Brass 6	SynBras6		286	Sweet Pan Flute	SwPanFlu
234	Synth Brass 7	SynBras7		287	Blown Bottle 1	Bottle1
235	Synth Brass 8	SynBras8		288	Blown Bottle 2	Bottle2
236	Analog Synth Brass 1	AnaBras1		289	Shakuhachi 1	Shakhch1
237	Analog Synth Brass 2	AnaBras2		290	Shakuhachi 2	Shakhch2
238	Analog Synth Brass 3	AnaBras3		291	Whistle 1	Whistle1
239	Rock Brass 1	RockBrs1		292	Whistle 2	Whistle2
240	Rock Brass 2	RockBrs2		293	Ocarina 1	Ocarina1
241	Funny 1	Funny1		294	Ocarina 2	Ocarina2
242	Funny 2	Funny2		Synth Lead		
243	French Horn	FrHorn		295	Lead 1 (square) 1	SquarLd1
Reed				296	Lead 1 (square) 2	SquarLd2
244	Soprano Sax 1	SprnSax1		297	Lead 1 (square) 3	SquarLd3
245	Soprano Sax 2	SprnSax2		298	Lead 1b (sine)	SineLead
246	Soprano Sax 3	SprnSax3		299	Lead 2 (sawtooth) 1	SawLead1
247	Alto Sax 1	AltoSax1		300	Lead 2 (sawtooth) 2	SawLead2
248	Alto Sax 2	AltoSax2		301	Lead 2 (sawtooth) 3	SawLead3
249	Alto Sax 3	AltoSax3		302	Lead 2b (saw + pulse)	SawPlsLd
250	Tenor Sax 1	TenoSax1		303	Lead 2c (double sawtooth)	DubSawLd
251	Tenor Sax 2	TenoSax2		304	Lead 2d (sequenced analog) 1	SqAnaLd1
252	Tenor Sax 3	TenoSax3		305	Lead 2d (sequenced analog) 2	SqAnaLd2
253	Baritone Sax 1	BariSax1		306	Wavy Sawtooth 1	WavySaw1
254	Baritone Sax 2	BariSax2		307	Bauble Lead	BaubleLd
255	Baritone Sax 3	BariSax3		308	Super Analog	SuperAna
256	Oboe 1	Oboe1		309	Lead 3 (calliope) 1	CalipLd1
257	Oboe 2	Oboe2		310	Lead 3 (calliope) 2	CalipLd2
258	Oboe 3	Oboe3		311	Lead 4 (chiff) 1	ChiffLd1
259	2 Oboes	2Oboes		312	Lead 4 (chiff) 2	ChiffLd2
260	English Horn 1	EngHorn1		313	Lead 4 (chiff) 3	ChiffLd3
261	English Horn 2	EngHorn2		314	Lead 4 (chiff) 4	ChiffLd4
262	English Horn 3	EngHorn3		315	Lead 5 (charang) 1	CharaLd1
263	2 English Horns	2EngHons		316	Lead 5 (charang) 2	CharaLd2
264	Bassoon 1	Bassoon1		317	Lead 5 (charang) 3	CharaLd3
265	Bassoon 2	Bassoon2		318	Lead 5 (charang) 4	CharaLd4
266	Bassoon 3	Bassoon3		319	Lead 5a (wire lead) 1	WireLd1
267	2 Bassoons	2Basoons		320	Lead 5a (wire lead) 2	WireLd2
268	Clarinet 1	Clarine1		321	Lead 6 (voice) 1	VoiceLd1
				322	Lead 6 (voice) 2	VoiceLd2

323	Lead 7 (fifths) 1	FifthLd1
324	Lead 7 (fifths) 2	FifthLd2
325	Lead 8 (bass + lead) 1	BasLead1
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	Lead 1 (square) 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 1	DlyLead1
342	Delayed Lead 2	DlyLead2
343	Fifth Lead	FifLead
344	Corrie	Corrie
345	Quint	Quint
Synth Pad		
346	Pad 1 (new age) 1	NewAge1
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) 1	WarmPad1
351	Pad 2 (warm) 2	WarmPad2
352	Pad 2 (warm) 3	WarmPad3
353	Pad 2a (sine pad)	SinePad
354	Pad 3 (polysynth) 1	PolySyn1
355	Pad 3 (polysynth) 2	PolySyn2
356	Pad 3 (polysynth) 3	PolySyn3
357	Pad 3 (polysynth) 4	PolySyn4
358	Pad 4 (choir) 1	ChoirPd1
359	Pad 4 (choir) 2	ChoirPd2
360	Pad 4a (itopia)	ItopiaPd
361	Pad 5 (bowed) 1	BowedPd1
362	Pad 5 (bowed) 2	BowedPd2
363	Pad 5 (bowed) 3	BowedPd3
364	Pad 5 (bowed) 4	BowedPd4
365	Pad 6 (metallic) 1	MetalPd1
366	Pad 6 (metallic) 2	MetalPd2
367	Pad 6 (metallic) 3	MetalPd3
368	Pad 7 (halo) 1	HaloPad1
369	Pad 7 (halo) 2	HaloPad2
370	Pad 7 (halo) 3	HaloPad3
371	Pad 7 (halo) 4	HaloPad4
372	Pad 8 (sweep) 1	SweepPd1
373	Pad 8 (sweep) 2	SweepPd2
374	Pad 8 (sweep) 3	SweepPd3
375	Pan Pad 1	PanPad1
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) 1	FXRain1
395	FX 1 (rain) 2	FXRain2
396	FX 2 (soundtrack) 1	Sondtrk1
397	FX 2 (soundtrack) 2	Sondtrk2
398	Prelude	Prelude
399	FX 3 (crystal) 1	Crystal1
400	FX 3 (crystal) 2	Crystal2
401	FX 3 (crystal) 3	Crystal3
402	FX 3a (synth mallet)	SynMalet
403	FX 4 (atmosphere) 1	Atmosph1
404	FX 4 (atmosphere) 2	Atmosph2
405	Warm Air	WarmAir
406	FX 5 (brightness) 1	Bright1
407	FX 5 (brightness) 2	Bright2
408	Smog	Smog
409	FX 6 (goblins) 1	Goblins1
410	FX 6 (goblins) 2	Goblins2
411	FX 6 (goblins) 3	Goblins3
412	Choir Bell 1	ChorBel1
413	Choir Bell 2	ChorBel2
414	FX 7 (echoes) 1	Echoes1
415	FX 7 (echoes) 2	Echoes2
416	FX 7 (echoes) 3	Echoes3
417	FX 7b (echo pan)	EchoPan
418	FX 7a (echo bell) 1	EchoBel1
419	FX 7a (echo bell) 2	EchoBel2
420	FX 7a (echo bell) 3	EchoBel3
421	FX 8 (sci-fi) 1	Sci-Fi1
422	FX 8 (sci-fi) 2	Sci-Fi2
423	FX 8 (sci-fi) 3	Sci-Fi3
Ethnic Misc.		
424	Harmonium 1	Hrmnium1
425	Harmonium 2	Hrmnium2
426	Harmonium 3	Hrmnium3
427	Sitar 1	Sitar1
428	Sitar Drone	SitarDrn
429	Classic Sitar	ClsSitar
430	Sitar 2	Sitar2

431	Sitar 3	Sitar3		486	Taiko Drum 2	TaikDrm2
432	Detuned Sitar	DtnSitar		487	Taiko Drum 3	TaikDrm3
433	Sitar Glissand	GlsSitar		488	Concert Bass Drum 1	ConBsDm1
434	Tanpura	Tanpura		489	Concert Bass Drum 2	ConBsDm2
435	Tanpura Low	TanpuraL		490	Acoustic Bass Drum	BassDrum
436	Tanpura Mid	TanpuraM		491	Room Kick	RoomKick
437	Sarod	Sarod		492	Power Kick	PowrKick
438	Santur Ex	SanturEx		493	Electric Bass Drum	ElBsDrum
439	Santur 1	Santur1		494	Analog Bass Drum	AnBsDrum
440	Santur 2	Santur2		495	Jazz Kick	JazzKick
441	Santur 3	Santur3		496	Side Stick	SidStick
442	Mountain Dulcimer	MtDulcmr		497	Analog Rim Shot	AnRiShot
443	India Stroke	IndStrok		498	Acoustic Snare	A.Snare
444	TablaTarang	IndTarng		499	Room Snare	RomSnare
445	Indian Flute 1	IndFlut1		500	Power Snare	PowSnare
446	Indian Flute 2	IndFlut2		501	Electric Snare	E.Snare
447	Sitar 4	Sitar4		502	Analog Snare	AnaSnare
448	Sitar 5	Sitar5		503	Jazz Snare	JazSnare
449	Sitar 6	Sitar6		504	Brush Tap	BrushTap
450	Banjo 1	Banjo1		505	Concert SD	ConcetSD
451	Banjo 2	Banjo2		506	Hand Clap	HandClap
452	Banjo 3	Banjo3		507	Tom	Tom
453	Shamisen 1	Shamise1		508	Room Tom	RoomTom
454	Shamisen 2	Shamise2		509	Power Tom	PowerTom
455	Shamisen 3	Shamise3		510	Electric Tom	ElecTom
456	Koto 1	Koto1		511	Analog Tom	AnaTom
457	Koto 2	Koto2		512	Brush Tom	BrushTom
458	Taisho Koto	TaishoKt		513	Closed Hi-hat	ClosedHH
459	Kalimba 1	Kalimba1		514	Analog Closed Hi-hat	AnCloHH
460	Kalimba 2	Kalimba2		515	Pedal Hi-hat	PedalHH
461	Kalimba 3	Kalimba3		516	Open Hi-hat	OpenHH
462	Bag Pipe 1	BagPipe1		517	Crash Cymbal	CrashCym
463	Bag Pipe 2	BagPipe2		518	Analog Cymbal	AnaCym
464	Bag Pipe 3	BagPipe3		519	Ride Cymbal	RideCym
465	Fiddle 1	Fiddle1		520	China Cymbal	ChinaCym
466	Fiddle 2	Fiddle2		521	Ride Bell	RideBell
467	Fiddle 3	Fiddle3		522	Tambourine	Tambouri
468	Shanai 1	Shanai1		523	Splash Cymbal	SplashCy
469	Shanai 2	Shanai2		524	Cowbell	Cowbell
470	Shanai 3	Shanai3		525	Analog Cowbell	AnaCowbl
Percussive				526	High Bongo	HiBongo
471	Tinkle Bell 1	TnklBel1		527	Low Bongo	LoBongo
472	Tinkle Bell 2	TnklBel2		528	Mute Hi Conga	MuHiCnga
473	Tinkle Bell 3	TnklBel3		529	Open Hi Conga	OpHiCnga
474	Agogo 1	Agogo1		530	Low Conga	LowConga
475	Agogo 2	Agogo2		531	Analog Hi Conga	AnHiCnga
476	Agogo 3	Agogo3		532	Analog Mid Conga	AnMiCnga
477	Steel Drums 1	StelDrm1		533	Analog Low Conga	AnLoCnga
478	Steel Drums 2	StelDrm2		534	High Timbale	HiTimbal
479	Steel Drums 3	StelDrm3		535	Low Timbale	LoTimbal
480	Woodblock 1	WodBlok1		536	Cabasa	Cabasa
481	Woodblock 2	WodBlok2		537	Maracas	Maracas
482	Woodblock 3	WodBlok3		538	Analog Maracas	AnMaraca
483	Castanets 1	Castant1		539	Short Guiro	ShGuiro
484	Castanets 2	Castant2		540	Long Guiro	LoGuiro
485	Taiko Drum 1	TaikDrm1		541	Claves	Claves

542	Mute Cuica	BsStSlp2
543	Open Cuica	BrthNoiz
544	Mute Triangle	BrthNoz2
545	Open Triangle	FlKeyClk
546	Shaker	FlKeyCk2
547	Mute Surdo	Seashore
548	Open Surdo	Seashor2
549	Melodic Tom 1	Rain
550	Melodic Tom 2	Thunder
551	Melodic Tom 3	Wind
552	Synth Drum 1	Stream
553	Synth Drum 2	Bubble
554	Rhythm Box Tom	Tweet
555	Electric Drum 1	Tweet2
556	Electric Drum 2	Dog
557	Reverse Cymbal 1	HouseGlp
558	Reverse Cymbal 2	Telphone
SFX		Telphon2
559	Guitar Fret Noise 1	DoorCrek
560	Guitar Fret Noise 2	Door
561	Guitar Cutting Noise 1	Scratch
562	Guitar Cutting Noise 2	WindChim
563	Acoustic Bass String Slap 1	Helicptr
564	Acoustic Bass String Slap 2	CarEngin
565	Breath Noise 1	CarStop
566	Breath Noise 2	CarPass
567	Flute Key Click 1	CarCrash
568	Flute Key Click 2	Siren
569	Seashore 1	Train
570	Seashore 2	Jetplane
571	Rain	Starship
572	Thunder	BurtNois
573	Wind	Applause
574	Stream	Laughing
575	Bubble	Scream
576	Bird Tweet 1	Punch
577	Bird Tweet 2	HeartBet
578	Dog	Footstep
579	Horse Gallop	Gunshot
580	Telephone Ring 1	MachnGun
581	Telephone Ring 2	Lasergun
582	Door Creaking	Explosio
583	Door	
584	Scratch	Pn&StrPd
585	Wind Chime	Pn&Choir
586	Helicopter	Pn&SyStr
587	Car Engine	Pn&WrmPd
588	Car Stop	Pn&SfEP
589	Car Pass	FMEP
590	Car Crash	DigitlPn
591	Siren	EP&Str
592	Train	EP&Gtr
593	Jetplane	EP&Vibra
594	Starship	EP2&Pad
595	Burst Noise	EP2&Str
596	Applause	Hrps&Str

597	Laughing	Laughing
598	Screaming	Scream
599	Punch	Punch
600	Heart Beat	HeartBet
601	Footsteps	Footstep
602	Gunshot	Gunshot
603	Machine Gun	MachnGun
604	Lasergun	Lasergun
605	Explosion	Explosio
Combined Voice		
606	Stereo Piano & Strings Pad	Pn&StrPd
607	Stereo Piano & Choir	Pn&Choir
608	Stereo Piano & Synth Strings	Pn&SyStr
609	Stereo Piano & Warm Pad	Pn&WrmPd
610	Stereo Piano & Soft EP	Pn&SfEP
611	FM Electric Piano	FMEP
612	Digital Piano	DigitlPn
613	E.Piano & Strings	EP&Str
614	E.Piano & Acoustic Guitar	EP&Gtr
615	E.Piano & Vibraphone	EP&Vibra
616	E.Piano 2 & Pad	EP2&Pad
617	E.Piano 2 & Strings	EP2&Str
618	Harpsichord & Stereo Strings	Hrps&Str
619	Music Box & Stereo Strings	MBox&Str
620	Vibraphone & Stereo Strings	Vib&Str
621	Vibraphone Octave	VibraOct
622	Vibraphone & Marimba & Kalimba	Vib&M&K
623	Marimba & Kalimba	Mar&Kal
624	Marimba Delay	MarDelay
625	Xylophone Octave	XylopOct
626	Organ & Stereo Strings	Orgn&Str
627	Stereo Organ & Piano	Orgn&Pno
628	Rock Organ & Strings	RkOr&Str
629	Church Organ & Choir	ChOr&Cho
630	Church Organ & Strings	ChOr&Str
631	Acoustic Guitar & Flute	Gtr&Flut
632	Acoustic Guitar & Clavi	Gtr&Clav
633	24 String Guitar	24StrGtr
634	Steel Guitar & Warm Pad	StGt&Pad
635	Stereo Strings & Horn	Str&Horn
636	Orchestra	Orchestr
637	Full Strings 1	FullStr1
638	Full Strings 2	FullStr2
639	Symphonic	Symphon
640	Stereo Choir & Strings	Cho&Str
641	Stereo Choir & Steel Guitar	Cho&Gtr
642	3 Trumpets Loose	3Trumpet
643	Trombone & Stereo Strings	Tomb&Str
644	3 Trombones Loose	3Trmbone
645	3 Muted Trumpets Loose	3MuTrump
646	Club Brass	ClubBras
647	Brass & Woodwinds	Brs&Wood
648	Standard Kit	StandKit
Drums		
649	Room Kit	RoomKit
650	Power Kit	PowerKit
651	Electronic Kit	ElectKit
652	Analog Kit	AnalgKit
653	Jazz Kit	JazzKit
654	Brush Kit	BrushKit
655	Orchestra Kit	OrcheKit
656	SFX Kit	SFXKit

NO.	English Name	LCD Name
8BEAT		
1	8Beat Ballad	8BtBld
2	8Beat Piano	8BtPiano
3	8Beat 1	8Beat1
4	Guitar Pop 1	GtPop1
5	8Beat Hip Hop	8BtHiHop
6	8Beat Blues Rock	8BtBluRk
7	8Beat Pop	8BtPop
8	Pop Funk 1	PopFunk1
9	Rhythm&Beat 1	Rhy&Bt1
10	8Beat Disco 1	8BtDisc1
11	8Beat Rock	8BtRock
12	Guitar Pop 2	GtPop2
13	8Beat 2	8Beat2
14	Sweet Beat	SweetBt
15	8Beat Dance	8BtDance
16	8Beat Disco 2	8BtDisc2
17	Pop Funk 2	PopFunk2
18	8Beat 3	8Beat3
19	60's 8Beat	60's8Bt
20	Rhythm&Beat 2	Rhy&Bt2
16BEAT		
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&BALLAD		
34	Pop Rock 1	PopRock1
35	Pop Dance 1	PopDanc1
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

NO.	English Name	LCD Name
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	Rock	Rock
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	Techno 1	Techno1
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

Style List

106	70's Disco	70'sDisc		158	Lite Bossa	LteBossa
107	70's Disco Funk	70'sFunk		159	Latin Rock	LatinRck
108	Club Dance	ClubDanc		160	Beguine 3	Beguine3
109	Euro Dance	EuroDanc		161	Slow Bolero	SlBolero
110	Hip Hop 2	HipHop2		162	Disco Samba	DscSamba
111	Garage	Garage		163	Mambo	Mambo
SOUL & FUNK				164	Meneito	Meneito
112	Funk 1	Funk1		165	Rumba 2	Rumba2
113	Classic Funk	ClasFunk		166	Rumba 3	Rumba3
114	Jay R&B	JayR&B		167	Tikitikita	Tikitkta
115	Gospel Swing	GopSwing		168	Lambada	Lambada
116	Gospel	Gospel		169	Pop Cha Cha 1	PChaCha1
117	Hip Hop Soul	HipHopSl		170	Pop Cha Cha 2	PChaCha2
118	Hip Hop Beat	HipHopBt		171	Salsa 2	Salsa2
119	R&B	R&B		**WALTZ & TRADITIONAL**		
120	Soul Beat	SoulBeat		172	Waltz	Waltz
121	R&B Ballad 2	R&BBld2		173	Old Waltz	OldWaltz
122	British Soul Pop	BritSoul		174	English Waltz	EngWaltz
SWING & JAZZ				175	German Waltz	GemWaltz
123	Latin Jazz 1	LatinJz1		176	Italian Mazurka	ItaMazuk
124	Big Band 1	BigBand1		177	Mexico Waltz	MexWaltz
125	Dixieland 1	Dixland1		178	Vienna Waltz	VinaWltz
126	Guitar Swing 1	GtSwing1		179	Slow Waltz 2	SlwWltz2
127	Broadway Big Band	BwayBand		180	Jazz Waltz	JazzWltz
128	Swing	Swing		181	Polka	Polka
129	Latin Jazz 2	LatinJz2		182	6/8 March	6/8March
130	Fusion	Fusion		183	German Polka	GemPolka
131	Acid Jazz	AcidJazz		184	Party Polka	PtyPolka
132	Cool Jazz Ballad	CoolJzBd		185	Army March	ArmMarch
133	Swing Shuffle	SwingSfl		186	March	March
134	Big Band Medium	BandMid		187	US March	USMarch
135	Dixieland 2	Dixland2		188	Musette	Musette
136	Acoustic Jazz	AcoustJz		189	French Musette	FMusette
137	Guitar Swing 2	GtSwing2		190	Mazurka	Mazurka
138	Ragtime	Ragtime		**WORLD**		
139	Modern Jazz Ballad	MdJzBald		191	Enka Ballad	EnkaBald
140	Swing Ballad	SwingBal		192	Laendler	Laendler
141	Orchestra Swing	OrhSwing		193	Hawaiian	Hawaiian
COUNTRY				194	Sirtake	Sirtake
142	Country Pop 1	CntyPop1		195	Dangdut	Dangdut
143	Bluegrass 1	Blugras1		196	6/8 Flipper	6/8Flipp
144	8Beat Country	8BtCnty		197	New Age	NewAge
145	Modern Country	ModrCnty		198	Tarantella	Tarantel
146	Country Pop 2	CntyPop2		199	Scottish	Scottish
147	Bluegrass 2	Blugras2		200	Norteno	Norteno
148	2/4 Country	2/4Cntry		**INDIA**		
149	Country Quick Steps	QuickStp		201	Dep/Rupak	Dep/Rupk
150	Country Folk	CntyFolk		202	Dadra	Dadra
151	Country Shuffle	CnyShufl		203	Bangla	Bangla
LATIN & LATIN DANCE				204	Bhajan	Bhajan
152	Samba 3	Samba3		205	Keherwa 1	Keherwa1
153	Bossa Nova	BosaNova		206	Keherwa 2	Keherwa2
154	Latin	Latin		207	Dholki	Dholki
155	New Reggae	NewRegga		208	Ghazal	Ghazal
156	Reggae Dance	DanRegga		209	Aasamee	Aasamee
157	Paso Doble	Pasodobl		210	Koli Pattern	KoliPtn

211	Lavani	Lavani
212	South Pattern 1	SouthPt1
213	South Pattern 2	SouthPt2
214	Pramad NM	PramadNM
215	Keral	Keral
216	Dhamaal	Dhamaal
217	DesiRock	DesiRock
218	Sufi	Sufi
219	Filmy Masti 1	FilmyMs1
220	Filmy Masti 2	FilmyMs2
221	In Masti 1	InMasti1
222	In Masti 2	InMasti2
223	Punjabi	Punjabi
224	Bhangra 1	Bhangra1
225	Bhangra 2	Bhangra2
226	Garba 1	Garba1
227	Garba 2	Garba2
228	Qawaali	Qawaali
229	Raja Bha	RajaBha
230	Sun Belia	SunBelia
231	Rajasthan	Rajsthan
232	Goa Masti	GoaMasti
233	Congo	Congo
PIANIST		
234	Pianist 1	Pianist1
235	Pianist 2	Pianist2
236	Pianist 3	Pianist3
237	Jazz 1	Jazz1
238	Jazz 2	Jazz2
239	Jazz Pub	JazzPub
240	Piano Rock	PianoRk
241	Pop Bossa	PopBossa
242	March 1	March1
243	March 2	March2
244	Piano Beat	PianoBt
245	Piano Bar	PianoBar
246	Blues	Blues
247	Pop Waltz	PopWaltz
248	Slow Waltz	SlowWltz
249	Ballad 1	Ballad1
250	Ballad 2	Ballad2
251	6/8 Ballad	6/8Bald
252	Pop 1	Pop1
253	Pop 2	Pop2

Song List

No.	English Name	LCD Name
FOLK & COUNTRY		
1	Toccata	Toccata
2	Carry Me Back To Old Virginny	Virginny
3	Wedding March	Wedding
4	Traumerei	Traumere
5	Greensleeves	Sleeves
6	Home Sweet Home	SwetHome
7	Aloha Oe	AlohaOe
8	Long Long Ago	LongAgo
9	Heidenroslein	Heidenro
10	Die Lorelei	Lorelei
11	My Darling Clementine	Clemtine
12	Over The Waves	OverWave
13	Gwine To Run All Night	Gwine
14	Oh! Susanna	Susanna
15	Turkey In The Straw	TukyStaw
16	Symphony No.6 "Pathetic"	Sympony6
17	Prelude Op.28 No.15	Prelude
18	The House Of The Rising Sun	RiseSun
19	My Old Kentucky Home	Kentucky
20	Home On The Range	HomeRnge
21	Her Bright Smile Haunts Me Still	HerSmile
22	The Blue-Bells Of Scotland	BlueBell
23	Old Black Joe	BlackJoe
24	Old Dog Tray	DogTray
25	Menuet	Menuet
GOLDEN & POP		
26	Valse Des Fleurs	Fleurs
27	Fruhlingsstimmen	Fruhling
28	Frohlicher Landmann	Landmann
29	Toy Symphony	ToySymph
30	Auld Lang Syne	LangSyne
31	Ave Maria	AveMaria
32	Tales Of Hoffman	Hoffman
33	La Donne Mobile	DoneMble
34	Bridal March	Bridal
35	Ich Liebe Dich	LieDich
36	Chanson Du Toreador	Toreador
37	Wiegenlied 2	Wieglid2
38	Spanish Serenade	Serenade
39	Piano Concerto	Concerto
40	Piano Concerto 2	Concrto2
41	Invitation To The Dance	ToDance
42	Wiegenlied 3	Wieglid3
43	My Bonnie	MyBonnie
44	Jingle Bells	JingBell
45	Joy To The World	JoyWorld
46	La Paloma	LaPaloma
47	La Cucaracha	Cucarach
48	La Reine De Saba	Saba
49	Battle Hymn Of The Republic	BatlHyme
50	Yellow Rose Of Texas	YellRose
51	The Wabash Cannon Ball	CannBall
52	Turkish March	Turkish

No.	English Name	LCD Name
53	Annie Laurie	AnnieLa
54	An Die Musik	Musik
55	Lieder Ohne Worte Op.62 No.6	Lieder
56	Die Forelle	Forelle
57	Red River Valley	RedRiver
58	Symphony No. 94 "Suprise"	No. 94
59	Polonaise	Polonais
60	Rondeau	Rondeau
61	Moments Musicaux	Musicaux
62	Moldau	Moldau
63	Silent Night	SltNight
64	Dreaming Of Home And Mother	Dreaming
65	Ring Ring De Banjo	DeBanjo
66	Der Lindenbaum	DerLinde
67	Zigeunerweisen	Zigeuner
68	The Maiden's Prayer	Prayer
69	Fur Elise	FurElise
70	Moon Light Sonata	Sonata
71	Heidenroslein	Heidenro
72	Symphony No.5	Symphony
73	Anitra's Dance	Anitra
74	Sadko-Chanson Indoue	Chanson
75	Orpheus	Orpheus
76	William Tell Overture	Overture
CLASSICAL		
77	Der Freischutz	DerFreis
78	A Lover's Concerto	Concerto
79	Air For The G-String	G-String
80	An Der Shonen Blauen Donau	Donau
81	Auf Flugeln Des Gesanges	Gesanges
82	Beautiful Dreamer	Dreamer
83	Dance Des Mirlitons	Mirliton
84	Etude Op.10 No.3	Etude3
85	Gavotte	Gavotte
86	Whispering Hope	Whisper
87	Hungarian Dances No.5	Hungaian
88	From The New World	NewWorld
89	Triumphal March	Trimphal
90	The Skaters Waltz	Skaters
91	Jeanie With The Light Brown Hair	Jeanie
92	Waves Of The Danube	Danube
93	Santa Lucia	SantaLuc
94	Solveig's Song	Solveig
95	Piano Sonatan No.8 In C Minor (Pathetique)	Patheque
96	Brahms Waltz	BrmsWltz
97	Aida	Aida
98	Carmen-Prelude	Carmen
99	L'Arlesienne	L'Arlesi
100	Uungarische Tanz	Uungaris
101	Mazurka	Mazurka
102	Pizzicato Polka	Polka
103	Menuett	Menuett
104	Rigoletto	Rigoleto
105	Serenade	Serenade

106	Song Without Words	SongNoWd
107	Swan	Swan
108	The Dying Swan	DyingSwn
109	Swan Lake Valse	SwnWalse
110	The Happy Farmer	HpFarmer
PIANO		
111	Hanon Piano Fingering 1	Hanon1
112	Hanon Piano Fingering 2	Hanon2
113	Hanon Piano Fingering 3	Hanon3
114	Hanon Piano Fingering 4	Hanon4
115	Hanon Piano Fingering 5	Hanon5
116	Basic Tutorial Beyer Piano 12	Beyer12
117	Basic Tutorial Beyer Piano 13	Beyer13
118	Basic Tutorial Beyer Piano 14	Beyer14
119	Basic Tutorial Beyer Piano 15	Beyer15
120	Basic Tutorial Beyer Piano 18	Beyer18
121	Cuckoo	Cuckoo
122	Basic Tutorial Beyer Piano 21	Beyer21
123	Basic Tutorial Beyer Piano 29	Beyer29
124	Butterfly	Buterfly
125	Basic Tutorial Beyer Piano 45	Beyer45
126	Christmas Eve	XmasEve
127	Basic Tutorial Beyer Piano 50	Beyer50
128	Basic Tutorial Beyer Piano 52	Beyer52
129	Basic Tutorial Beyer Piano 55	Beyer55
130	Basic Tutorial Beyer Piano 59	Beyer59
131	Beyer Eight Degrees Jump Etude	BeyrJump
132	Basic Tutorial Beyer Piano The Scale Of C Major	BeyerC
133	Basic Tutorial Beyer Piano 65	Beyer65
134	Basic Tutorial Beyer Piano 66	Beyer66
135	Old Folks At Home (Piano)	OldFolk2
136	Basic Tutorial Beyer Piano The Scale Of G Major	BeyerG
137	Basic Tutorial Beyer Piano 70	Beyer70
138	Basic Tutorial Beyer Piano 72	Beyer72
139	Basic Tutorial Beyer Piano 73	Beyer73
140	Basic Tutorial Beyer Piano 74	Beyer74

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	ModerR&B
8	Electric	Electric

MIDI Implementation Chart

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

Notes: *1
When the accompaniment is started, an FAH message is transmitted.
When the accompaniment is stopped, an FCH message is transmitted.

- Mode 1: OMNI ON, POLY   • Mode 3: OMNI OFF, POLY   ×: NO
- Mode 2: OMNI ON MONO   • Mode 4: OMNI OFF, MONO   ○: YES