KP200

USER'S MANUAL

INFORMATION FOR YOUR SAFETY!

THE FCC REGULATION WARNING (for USA)

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

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

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

CAUTION

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

PRECAUTIONS

PLEASE READ CAREFULLY BEFORE PROCEEDING

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

Power Supply

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

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

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

Connections

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

Location

Do not expose the instrument to the following conditions to avoid deformation, discoloration, or more serious damage:
- Direct sunlight
- Extreme temperature or humidity
- Excessive dusty or dirty location
- Strong vibrations or shocks
- Close to magnetic fields

Interference with other electrical devices

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

Cleaning

Clean only with a soft, dry cloth.
Do not use paint thinners, solvents, cleaning fluids, or chemical-impregnated wiping cloths.

Handling

Do not apply excessive force to the switches or controls.

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

Disconnect all cables before moving the instrument.

Contents

Panel & Display Description

Front Panel
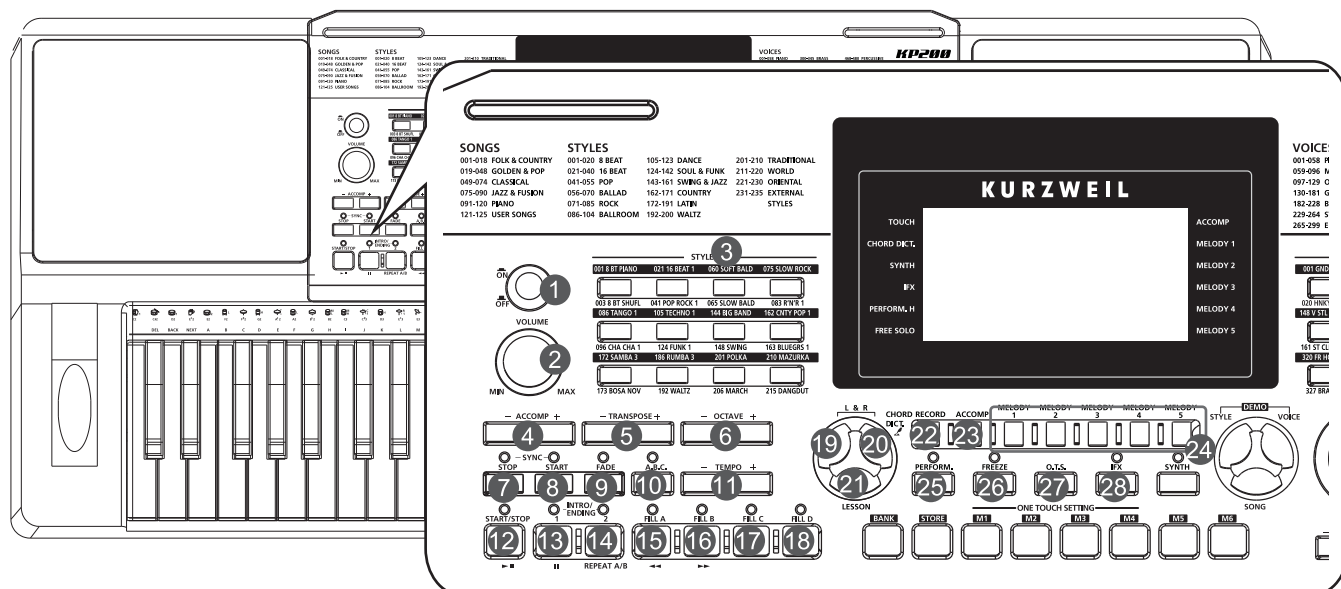
1. POWER BUTTON
Turn the power on and off.

2. VOLUME Knob
Adjust the master volume.

3. STYLE SELECT BUTTON
Select directly a preset style

4. ACCOMP +/- BUTTON
Adjust the Accompaniment volume.

5. TRANSPOSE +/- BUTTON
Adjust the Transpose value.

6. OCTAVE+/- BUTTON
Adjust the Octave value.

7. SYNC STOP BUTTON
Turn the Sync Stop on and off.

8. SYNC START BUTTON
Turn the Sync Start on and off.

9. FADE BUTTON
Turn the Fade in or Fade out on.

10. A.B.C. BUTTON
Turn the A.B.C. function on and off.

11. TEMPO+/- BUTTON
Adjust the current tempo.

SONG MODE

12. START/STOP BUTTON
Start or stop playing the song.

13. PAUSE BUTTON
Pause or continue playing a song.

14. REPEAT A/B BUTTON
Set the beginning and the end for a loop section of a selected song.

15. REW BUTTON
Rewind the song.

16. FF BUTTON
Fast forward the song.

STYLE MODE

12. START/STOP BUTTON
Start or stop playing the style.

13. INTRO1/ENDING1 BUTTON
Play the Intro or Ending 1.

14. INTRO2/ENDING2 BUTTON
Play the Intro or Ending 2.

15. FILL A BUTTON
Play the fill-in pattern A.

16. FILL B BUTTON
Play the fill-in pattern B.

17. FILL C BUTTON
Play the fill-in pattern C.

18. FILL D BUTTON
Play the fill-in pattern D.

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19. LEFT HAND BUTTON
Choose to practice the left hand part in Lesson Mode.

20. RIGHT HAND BUTTON
Choose to practice the right hand part in Lesson Mode.
CHORD DICTIONARY BUTTON
Hold the button to enter the Chord Dictionary.

21. LESSON BUTTON
Enter the lesson mode.

22. RECORD BUTTON
Enter the record mode.

23. ACCOMP BUTTON
Select the accomp track to record.

24. MELODY 1-5 BUTTON
Select the melody1-5 track to record.

25. PERFORM. BUTTON
Turn the Performance Assistant function on and off.

26. FREEZE BUTTON
Freeze the style's parameter when a memory is recalled.

27. O.T.S. BUTTON
Enter the One Touch Setting Mode.

28. IFX BUTTON
Turn the Insert Effect on and off. Hold the button to enter the Insert Effect menu.
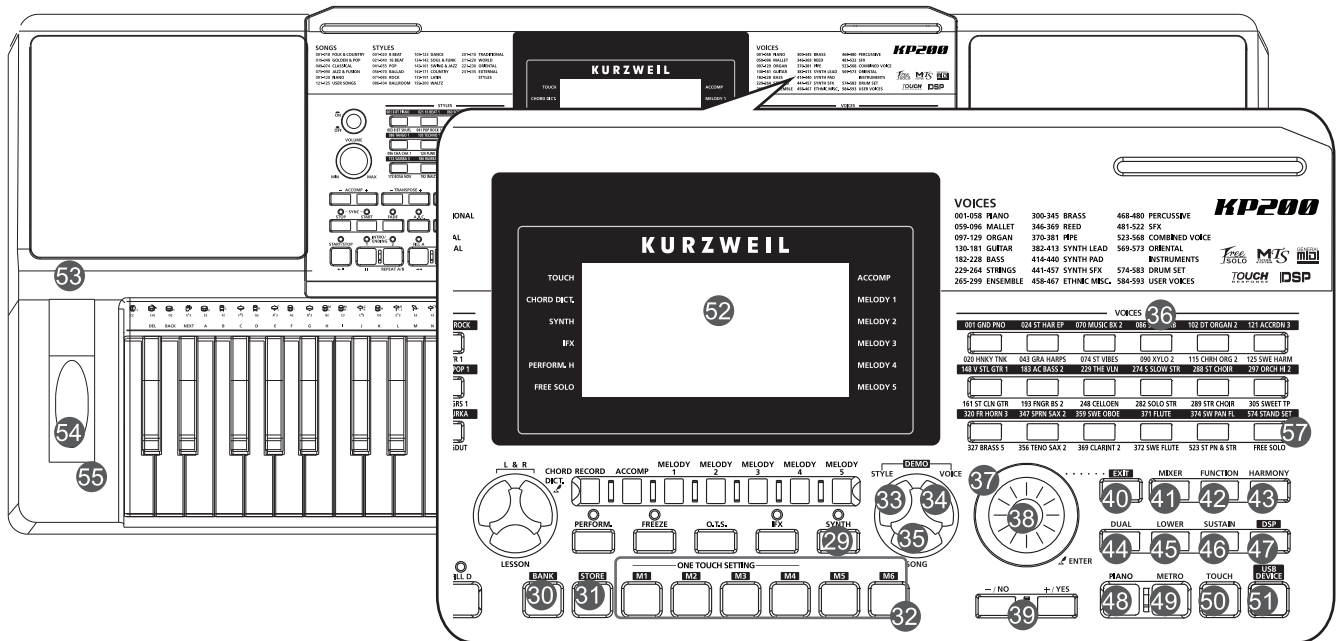
29. SYNTH BUTTON
Enter the Synth menu.

30. BANK BUTTON
Select a bank.

31. STORE BUTTON
Save current panel settings to one of the memories.

32. M1-M6 BUTTON
In memory mode: recall panel settings from one of the memories.
In O.T.S. mode: recall voice settings that match the current style.

33. STYLE BUTTON
Enter the Style Mode.

34. VOICE BUTTON
Enter the Voice Mode.

35. SONG BUTTON
Press it to enter the Song Mode.

36. VOICE SELECT BUTTON
Select directly a preset voice.

37. DATA DIAL
Increase and decrease the value.

38. ENTER BUTTON
Enter Menu or Confirm.

39. -/NO,+/YES BUTTON
Decrease or Increase the value.

40. EXIT BUTTON
Exit Menu or Cancel.

41. MIXER BUTTON
Enter mixer menu.

42. FUNCTION BUTTON
Enter function menu.

43. HARMONY BUTTON
Turn the harmony effect on and off.

44. DUAL BUTTON
Turn the Voice R2 on and off.

45. LOWER BUTTON
Turn the Voice L on and off.

46. SUSTAIN BUTTON
Turn the sustain on and off.

47. DSP BUTTON
Turn the DSP effect on and off.

48. PIANO BUTTON
Turn the piano mode on and off.

49. METRO BUTTON
Turn the metronome on and off.

50. TOUCH BUTTON
Enter the Touch Setting menu.

51. USB DEVICE BUTTON
Enter the USB Device menu

52. LCD Display
show all the important settings for the current operation.

53. MODULATION BUTTON
Apply a vibrato effect.

54. PITCH BEND
Bend notes up or down.

55. PHONES JACK
Connect a pair of stereo headphones.

56. USB PORT
Connect a USB flash drive.

57. FREE SOLO BUTTON
Turn the FreeSolo function on and off.
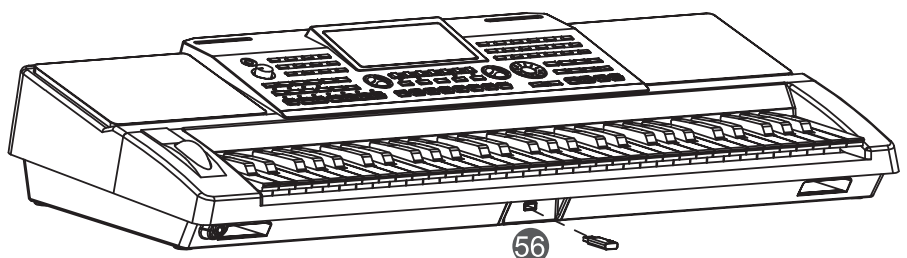
Setup

Rear Panel
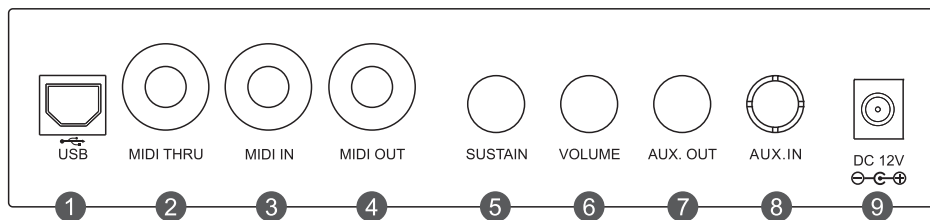
1. USB JACK
Connect to a computer.

2. MIDI THRU
Relays MIDI message it has received at the MIDI IN Jack.

3. MIDI IN
Receive MIDI messages from an external MIDI device.

4. MIDI OUT
Transmit MIDI messages to an external MIDI device.

5. SUSTAIN JACK
Connect a sustain pedal.

6. VOLUME JACK
Connect a volume pedal.

7. AUX.OUT
Connect an audio equipment.

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

9. DC 12V
Connect DC 12V power adaptor.

LCD
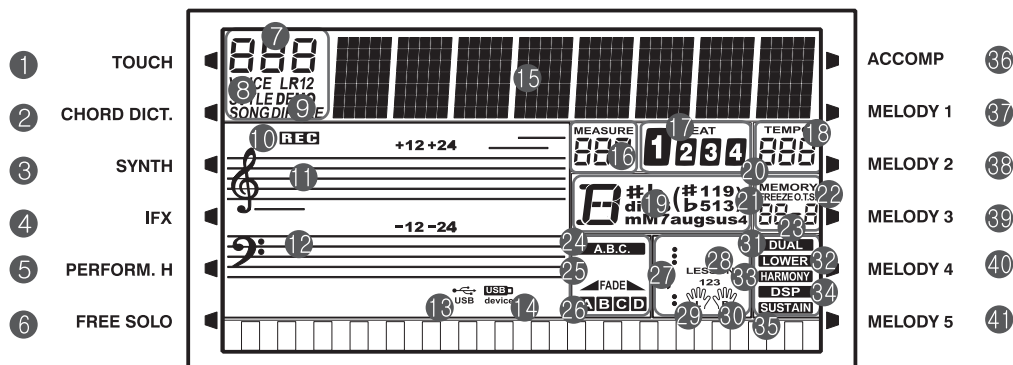
1. TOUCH
2. CHORD DICT.
3. SYNTH
4. IFX
5. PERFORM.H
6. FREE SOLO
7. SERIAL NUMBER
8. VOICE/STYLE/DEMO/SONG
9. DIR/FILE
10. RECORD
11. TREBLE CLEF
12. BASS CLEF
13. USB

14. USB DEVICE
15. STRING
16. MEASURE
17. BEAT
18. TEMPO
19. CHORD
20. MEMORY
21. FREEZE
22. ONE TOUCH SETTING
23. MEMORY BANK
24. A.B.C.
25. FADE

26. SECTION A/B/C/D
27. NUMBERED NOTATION
28. LESSON
29. LEFT HAND
30. RIGHT HAND
31. DUAL
32. LOWER
33. HARMONY
34. DSP
35. SUSTAIN
36. ACCOMP
37-41. MELODY1--5

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

1. Before connecting to power supply, please set the [POWER] switch to OFF and set the master volume to minimum level.

2. Connect the AC adaptor to the DC 12V jack of this instrument.

3. Plug the AC adaptor into an AC outlet.

4. Press the [POWER] button, the LCD will be lit, which indicates the instrument is powered on.

5. If you are ready to turn off the instrument, press the [POWER] switch again.

Notes:

1. In order to save energy, the instrument will automatically shutdown in 30 minutes if it is not used. (Please refer to Auto Power Off).
2. For your safety, please unplug the instrument when it is not in use or during a thunderstorm.
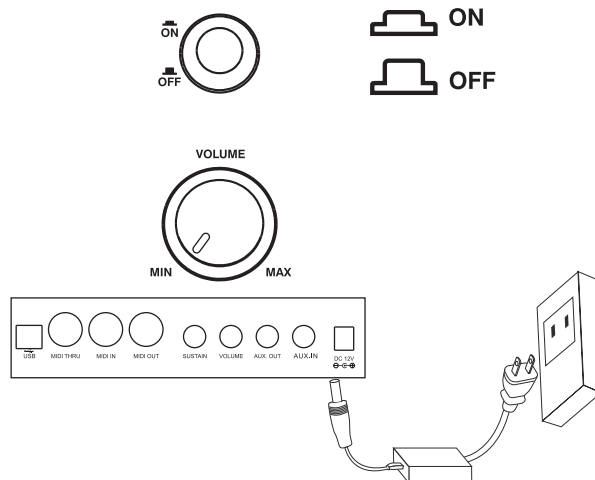
Setting a Music Stand

A music stand is supplied with the instrument. You can easily attach it to the instrument by inserting it into the slots at the rear of the panel.
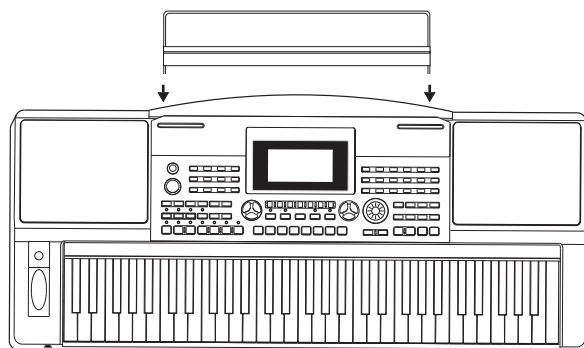
Connecting a Sustain Pedal

An optional footswitch can be plugged into the sustain jack and be used to switch sustain on or off. Simply by pressing the pedal, you will have a natural sustain as you play.
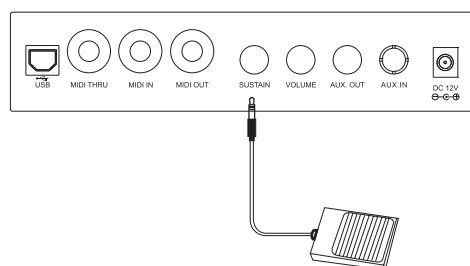
Connecting a Volume Pedal

An optional volume control can be plugged into the volume jack for adjusting the volume of sound.
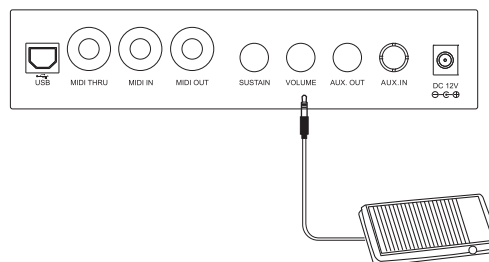
Connections

Connecting a pair of Headphones

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

Note:
Do not listen with the headphones at high volume for long periods of time. Doing so may cause hearing loss.

Connecting an Audio Equipment

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

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

Connecting an MP3/CD Player

Connect the audio output of an MP3/CD player or other audio source to the stereo AUX.IN jack on the rear panel. The instrument's speakers will play the music transmitted from the external player, and you can play along.

Connecting a Computer

The instrument receives and transmits MIDI messages via the USB connector. Please use a standard USB cable to connect the USB jack of the instrument to the USB port of a computer.

Alternatively, use a commercially available MIDI interface to connect the instrument to a computer via the MIDI connectors.

Connecting a MIDI Device

Connect the MIDI OUT of other Device to the MIDI IN jack on the rear panel, the instrument will receive MIDI messages from the external device and work as a sound source.
Connect the MIDI IN of other Device to the MIDI OUT jack on the rear panel, the instrument will transmit MIDI messages to the external device and work as a MIDI controller.

Connecting a USB Flash Drive

Connect a USB flash drive to the instrument to save the data you've created to the USB flash drive. You can also load files from a USB flash drive to the instrument, or use the instrument to play back files saved on USB flash drive.
Note:
To avoid error or damaging the USB flash drive, do not remove it when reading or writing is in progress.
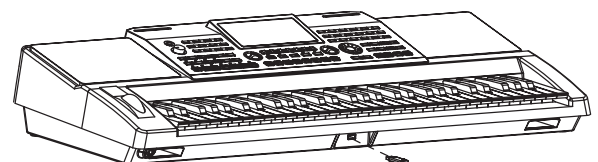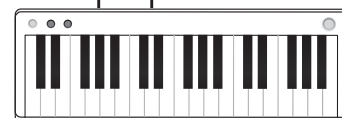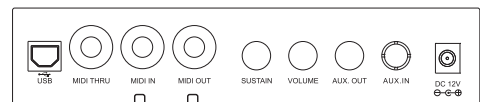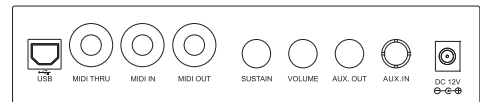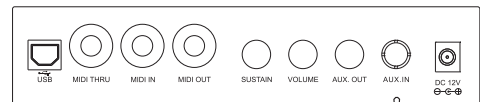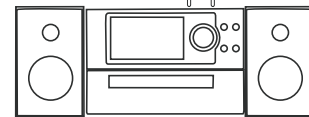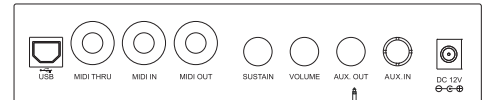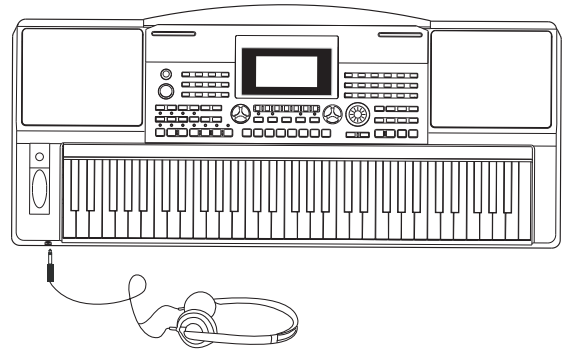
Playing the Demos

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

1. Press the [STYLE] and [VOICE] buttons simultaneously to start playing the demo.

2. Select a demo song.
Use the data dial, the [+/YES] button or the [-/NO] button to select a demo song.

3. Set a volume level with the [VOLUME] knob.

4. Press the [STYLE] and [VOICE] buttons simultaneously again or press the [START/STOP] button to stop playing and exit the demo mode.

Note:
In the DEMO mode, only the following buttons will work: START/STOP, TEMPO+, TEMPO-, +/YES, -/NO, VOLUME, POWER ON/OFF.
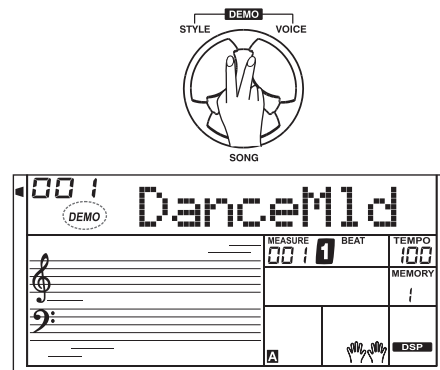
Playing Voices

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

Playing Voices

1. Press the [VOICE] button
Enter the VOICE mode. LCD shows VOICE R1 and the current voice number and name.

2. Select a voice.
Use the data dial, the [+/YES] button or the [-/NO] button to select the voice you want to play. You can also use the Voice Select Button to select a preset voice.

3. Play the voice.
You can play the keyboard and listen to the wonderful voice.

Note:
Each Voice Select button has two preset voices. Press it repeatedly to shift between the upper and lower preset voice.

When you select either the upper or the lower voice of a Voice button, pressing another Voice button once will always select the upper voice of that button.

Playing Voices

Playing two Voices Simultaneously-DUAL

1. Press the [DUAL] button.
It turns on the Dual function. "VOICE R2" and "DUAL" light up on display. LCD shows the current dual voice number and name.

2. Selecting a voice for VOICE R2.
Use the data dial, [+/YES] or [-/NO] button, or Voice Select buttons to select a dual voice.

3. Play the voices.
Play the keyboard, and you will hear two different voices being played together, just like two different instruments being played at the same time.
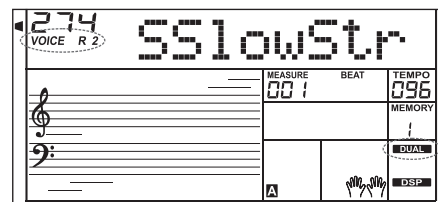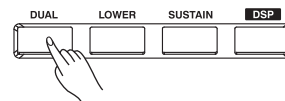
Note:
When the keyboard is split, only the right hand area will have the Dual voice function.

Playing Different Voices with Both Hands-LOWER

1. Press the [LOWER] button.
It turns on the Lower function. The keyboard is split into the left and right areas, each with a different voice. "VOICE L" and "LOWER" light up on display. LCD shows the current lower voice number and name.

2. Selecting a voice for VOICE L.
Use the data dial, the [+/YES] button or the [-/NO] Button to select a lower voice.

3. Play the voices.
Play the keyboard with both hands, and you will hear two different voices from the two areas.
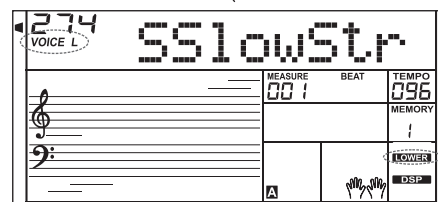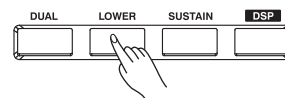
Split Point
The key that separates voice L and voice R1/R2 is called the "split point". The split point is set to F#3 at the factory setting. However you can assign it to any other key. Please refer to Other Functions.

Default Split Point
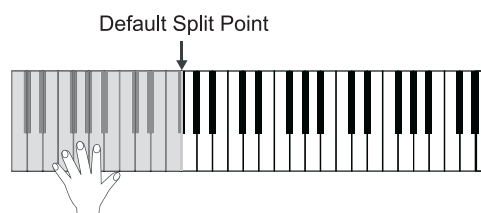
Touch

The keyboard is equipped with a touch response feature that lets you dynamically and expressively controls the level of the voice with your playing strength, just as on an acoustic instrument.
The keyboard features 3 touch types to choose from: off,1-3.

1. Press the [TOUCH] button. The LCD shows the current touch level.

2. Use the data dial, the [+/YES] button, the [-/NO] button or the [TOUCH] button to change the touch response level. Default level of touch response is 2.
If the value is set to OFF, that means no touch response to keyboard.
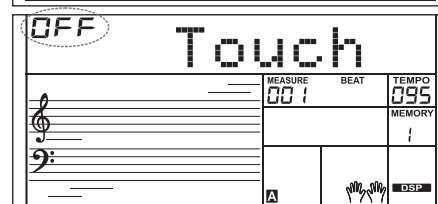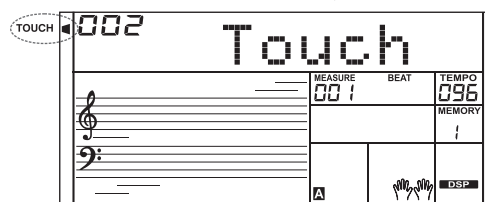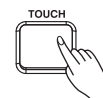
Sustain
1. When the sustain is turned on, "SUSTAIN" lights up on display, and all notes you play will have a longer sustain.

2. Press the [SUSTAIN] button to turn the SUSTAIN effect ON or OFF.
Note:
When using a sustain pedal, you can produce a much stronger and more natural sustain effect than by using the [SUSTAIN] button.
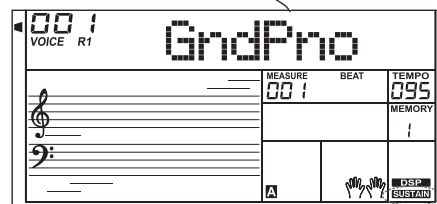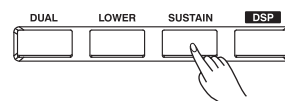
Pitch Bend
Use the pitch bend wheel to bend notes up (roll the wheel away you) or down(roll the wheel toward you) while playing the keyboard.The pitch bend wheel is self-centering and will automatically return to normal pitch when released.

With the pitch bend wheel, you can easily imitate the pitch bend effect of the guitar, violin, saxophone or other instruments, and make your performance more vivid.
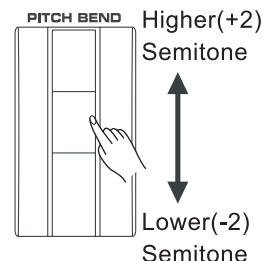
Modulation
The Modulation function applies a vibrato effect to notes played on the keyboard. Press the [MODULATION] button while playing the keyboard then you will hear the vibrato effect.

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

1. Press [TRANSPOSE +] or [TRANSPOSE -] button to adjust the value from -12 to +12 semitones.

2. Press [TRANSPOSE +] and [TRANSPOSE -] or press [+/YES] and [-/NO] simultaneously, it will set the value to default: 0.
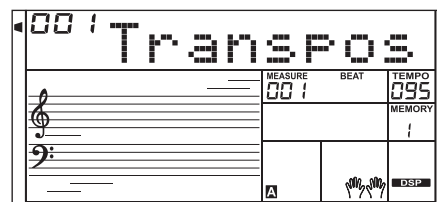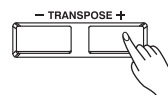
Octave
The Octave function will shift the pitch up or down by 1 octave for voice R1, R2 and L respectively.
1. Press [OCTAVE +] or [OCTAVE -] button to change the octave value over the range from -1 to +1.

2. Press [OCTAVE +] and [OCTAVE -] or press [+/YES] and[-/NO] simultaneously, it will set the value to default: 0.

Note:
After adjusting the octave, notes in the highest and lowest keyboard range may not sound normally.
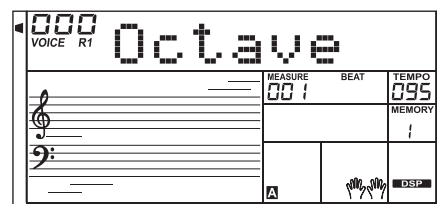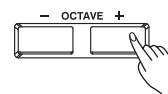
Playing Voices

Piano Mode

The Piano Mode will set instantly the entire keyboard to piano voice. All parameters will be optimized for piano performance just by pressing a single button.

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

2. In the PIANO mode, if you start a style, it only plays the rhythm part.

Metronome

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

1. Press the [METRO] button to turn the metronome on.

2. Press the [METRO] button again to turn the metronome off.

3. Set the time signature of metronome. Please refer to Other Functions.

Notes:

1. If you turn on the metronome during style playback, the metronome sound will start from the next beat and its time signature will match the current style.

2. In Recording, you can turn on the metronome, but the metronome sound will not be recorded.

Freesolo

The FreeSolo function allows you to switch voice in an exceptionally fast, accurate and seamless way, faithfully reproducing the special effects of an acoustic instrument, and making your performance more real and exciting.

1. Turn on the FreeSolo function.
Press the [FreeSolo] button to turn on the function. "FREE SOLO" lights up on display.
It will automatically disable the A.B.C. function, the Dual and Lower function.

2. Select a voice to play.
Use the data dial or the [+/Yes]/[-/No] button to select a voice for FreeSolo.

3. Play in the FreeSolo mode.
In FreeSolo mode, please use the right hand area to play and use the left hand area to switch voice.
● Press and hold a white key in the left hand area to activate the first special voice pattern. Release the key to restore the basic voice.
● Press and hold a black key in the left hand area to activate the second special voice pattern. Release the key to restore the basic voice.
● Press simultaneously two or more white keys in the left hand area to activate the first special voice pattern. It will keep using the special voice even after releasing the keys.
● Press simultaneously two or more black keys in the left hand area to activate the second special voice pattern. It will keep using the special voice even after releasing the keys.

4. Turn off the FreeSolo function.
Press one of the Voice select buttons or the [FreeSolo] button, it will exit the mode. The "FREE SOLO" indicator lights off.
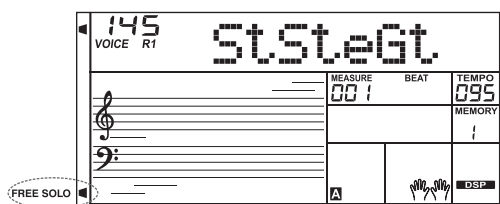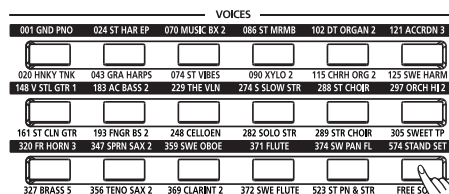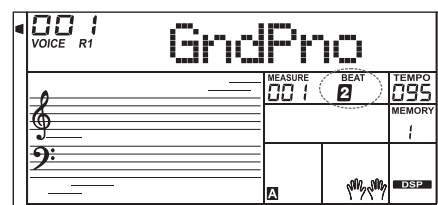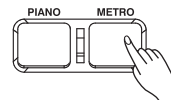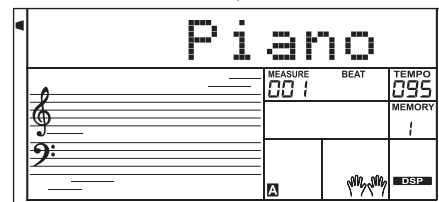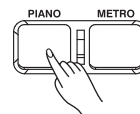
Default Split Point
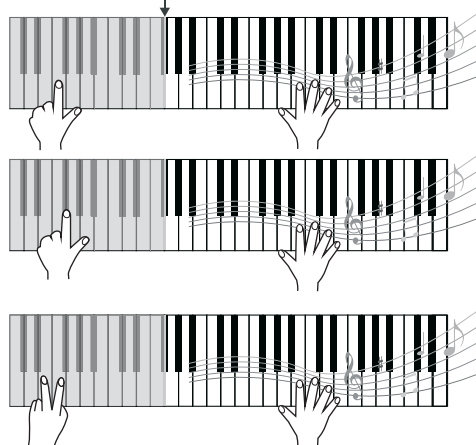
The auto accompaniment feature puts a full backing band at your fingertips. All you have to do is play the chords with your left hand , and the accompaniment will automatically play along, instantly following the chords you play. With auto accompaniment, even a solo performer can enjoy playing with the backing of entire band or orchestra. The instrument features a variety of styles. Try selecting some of the different styles (Refer to Style List) and play with the auto accompaniment.

Playing Auto Accompaniment (rhythm track only)

1. Press the [STYLE] button.
Enter the STYLE mode. "STYLE" lights up on display. LCD shows the current style number and name.

2. Select a style.
Use the Data Dial, the [+/YES] button or the [-/NO] button to select a style. Also, you can use the Style Select Button to select a style.

3. Press the [START/STOP] button to start the rhythm tracks of the auto accompaniment.

Note:
Each Style select button has two preset styles. Press it repeatedly to shift between the upper and lower preset style.
When you select either the upper or the lower style of a Style button, pressing another Style button once will always select the upper style of that button.

Playing Auto Accompaniment (all tracks)

1. Press the [STYLE] button.

2. Select a style.

3. Press the [A.B.C.] button to turn on the A.B.C. function. The keyboard will be split into two areas. Play the chords in the left hand area.

4. Turn the Sync Start function on.
Press the [SYNC START] button, then play a chord in the left hand area to start the auto accompaniment. When you play a different chord, the accompaniment will change along.

Alternatively, press the [START/STOP] button to start the rhythm part. Then play a chord in the left hand area, the chord part will start as well.

5. Press the [START/STOP] button to stop the accompaniment.

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 (1, 2), Main (A, B,C,D), Fill-in (A, B,C,D) and Ending(1, 2). By switching among them during your performance you can easily produce the dynamic elements of a professional-sounding arrangement in your performance.
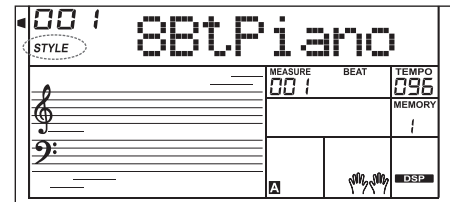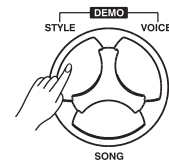
STYLES			
001 8 BT PIANO	021 16 BEAT 1	060 SOFT BALD	075 SLOW ROCK
003 8 BT SHUFL	041 POP ROCK 1	065 SLOW BALD	083 R'N'R 1
086 TANGO 1	105 TECHNO 1	144 BIG BAND	162 CNTY POP 1
096 CHA CHA 1	124 FUNK 1	148 SWING	163 BLUEGRS 1
172 SAMBA 3	186 RUMBA 3	201 POLKA	210 MAZURKA
173 BOSA NOV	192 WALTZ	206 MARCH	215 DANGDUT
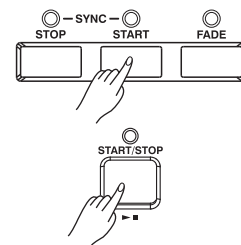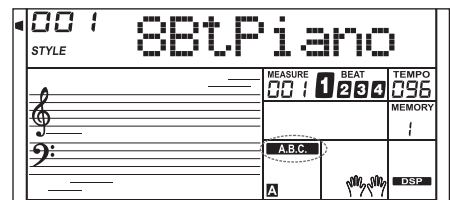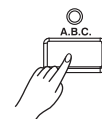
Auto Accompaniment

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

MAIN Section
The main is an important section of the song. And it plays an accompaniment pattern and repeat infinitely until another section's button is pressed.

FILL IN Section
Auto fill in function automatically adds a fill to your performance. When the fill-in is finished,accompaniment shifts to the Main section (A,B,C,D).

ENDING Section
Ending is used for the ending of the song. When the ending is finished, accompaniment automatically stops.The length of the ending differs depending on the selected style.
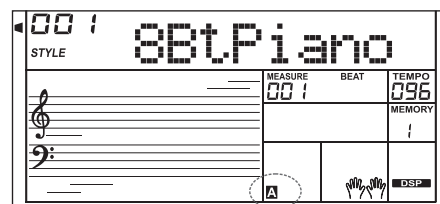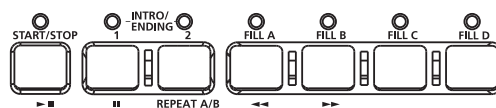
Playing Different Accompaniment Sections

1. Press the [STYLE] button.

2. Select a style.

3. Turn the A.B.C. on.

4. Turn SYNC START on.

5. Press the [FILL A] button.

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

7. It will start the accompaniment as soon as you start playing in Chord section. When the playback of the Intro 1 is finished, it automatically leads into Main A section.

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

9. Press the [INTRO/ENDING] again to play an Ending Section. When the ending is finished, the auto accompaniment automatically stops.
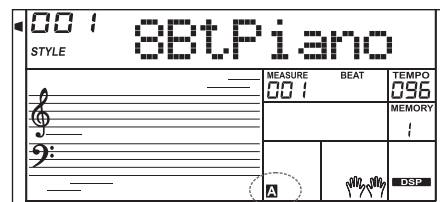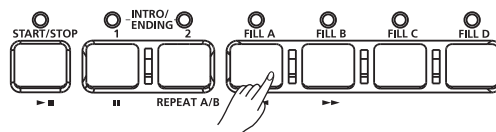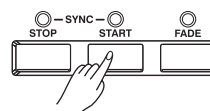
Note:
Hold down the FILL A/B/C/D button when the style is playing, the selected FILL pattern repeats continuously until button is released. Press FILL A/B/C/D when style stops, it will select a Main section, the icon A/B/C/D on LCD will be lit.

Fade In/Out

Fade In
Starting the style with fade in produces a smooth beginning, the volume increases from low to high. When style stops, press the [FADE] button to turn on the fade-in function. The button LED lights up.

Fade Out
Stopping the style with fade out produces a smooth ending, the volume decreases from high to low. When style is playing, press the [FADE] button to turn on the fade-out function. The button LED will flash until the style stops.

Fade In/Out Time
The default fade-in/fade-out time setting is 10 seconds. You can set the time in Other Functions.
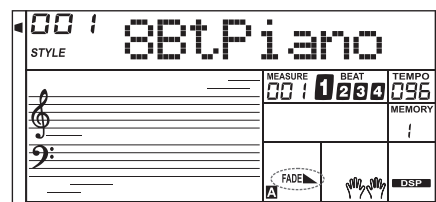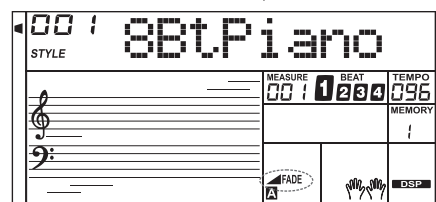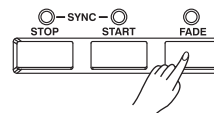
Accompaniment Volume

1. Press [ACCOMP+] or [ACCOMP-] button to adjust the accompaniment volume over the range of 0 to 127.

2. Press [ACCOMP +] and [ACCOMP-] button simultaneously to turn off ACCOMP volume.

3. Press [ACCOMP +] and [ACCOMP-] button simultaneously again to turn on ACCOMP volume.
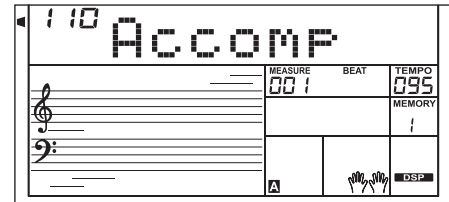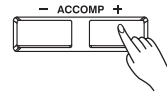
Chord Basics

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

Triad Type

There are following basic triad types:

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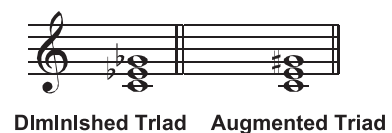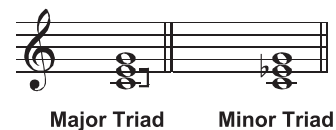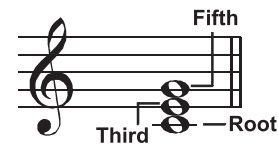
Chord Inversion

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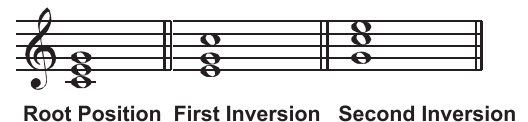
Chord Name

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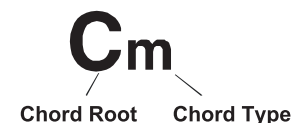
Single Finger

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

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.

Auto Accompaniment

Multi-finger

Multi finger type only can recognize those chords have listed in the chord list, and also can be found in the dictionary function.

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-] buttons.

1. Change the tempo
Use the [TEMPO+] or [TEMPO-] button to change the tempo.
Or use the Data Dial to make a quick change when the value is flashing on LCD.

2. To restore the default tempo setting, press the [TEMPO+]/[TEMPO-] buttons simultaneously.

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.

2. Press one of the [ONE TOUCH SETTING] buttons [M1]-[M4]. Various panel settings (such as voice, effect, etc.) that match the selected style can be instantly recalled. Auto accompaniment is automatically turned on in O.T.S. mode.

3. Play the keyboard.

One Touch Setting parameter list:
Part ON/OFF (VOICER1,R2,L)
Voice Number (VOICER1,R2,L)
Voice Volume (VOICER1,R2,L)
Voice Reverb Level (VOICER1,R2,L)
Voice Chorus Level (VOICER1,R2,L)
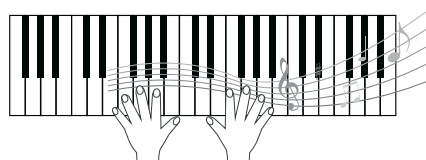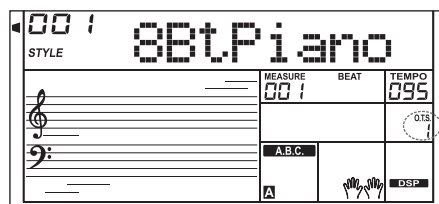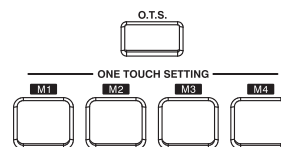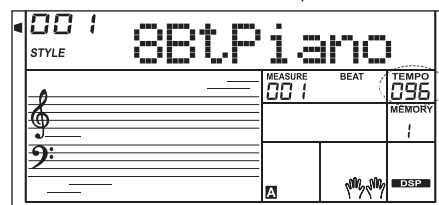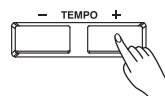
Harmony

The Harmony function will automatically add harmony effect to the notes you play in the right hand area, instantly enriching your performance with a more harmonic expression.

1. Turn on the harmony function.
Press the [HARMONY] button to turn on the harmony function. "HARMONY" lights up on display. The LCD shows the current harmony type.

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

3. Turn the harmony off.
Press the [HARMONY] button again to turn off the function. LCD will show "OFF" and the "HARMONY" lights off.

4. Set the harmony type.
You can set the harmony type in Other Functions.

Note:
Harmony types "1+5" and "octave" are always available, but the rest will not respond until you turn on the A.B.C. function and then play a chord in the chord section.

IFX
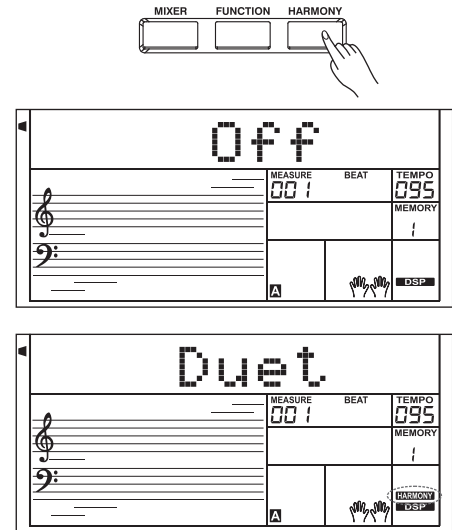
The instrument has a variety of preset insert effects, including Chorus, Flanger, Phaser, Tremolo, EQ, Distortion, Wah, Compressor and LowPass Filter.

1. The insert effect is set to off when the keyboard is power on. Press [IFX] button to turn on the effect function, the IFX indicator will be lit. Press [IFX] button again to turn off the effect function and the IFX indicator will light off.

2. Press and hold the [IFX] button about two second to enter the insert effect selection menu, then use [+/YES]/[-/NO] or Data Dial to select the effect type you want. You can listen to the effect when playing the keyboard. Press [ENTER] button to enter the sub menu if the current effect has changeable parameters.

3. Use [+/YES]/[-/NO] button or Data Dial to select a parameter item, then press [ENTER] button to enter the parameter setting mode. Use [+/YES]/[-/NO] button or Data Dial to set the value. Press [ENTER]/ [EXIT] button to return to previous menu.

4. The insert effect settings will be saved automatically when you quit the IFX mode. The next time you enter the IFX mode, it will use the same effect settings as your last operation.

5. Please refer to the table below for the effect types and their changeable parameters. You can adjust the parameter value over the range of 0 to 127.
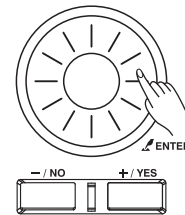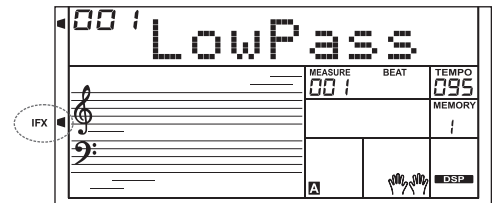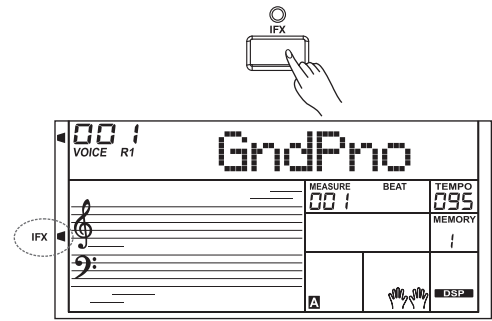
NO	type	Param1	Param2	NO	type	Param1	Param2
1	LowPass	CutOff	-	24	Mid Cut	-	-
2	STD CHR	Mix	Rate	25	LoMidCut	-	-
3	Lite CHR	Mix	Rate	26	HiMidCut	-	-
4	Deep CHR	Mix	Rate	27	High Cut	-	-
5	Warm CHR	Mix	Rate	28	S-Hi Cut	-	-
6	BRT CHR	Mix	Rate	29	Enhance	-	-
7	STD FLG	Mix	Rate	30	Loudness	-	-
8	Lite FLG	Mix	Rate	31	Add Air	-	-
9	Deep FLG	Mix	Rate	32	Live EQ	-	-
10	CrazyFLG	Mix	Rate	33	PhoneSim	-	-
11	STD PHS	Mix	Rate	34	RadioSim	-	-
12	Lite PHS	Mix	Rate	35	Dist	Mix	Gain
13	HeavyPHS	Mix	Rate	36	Overdriv	Mix	Gain
14	VTG TRM	Mix	Rate	37	Fuzz	Mix	Gain
15	MDN TRM	Mix	Rate	38	ST A.Wah	Mix	Rate
16	Panner	Mix	Rate	39	LT A.Wah	Mix	Rate
17	BasBoost	-	-	40	DP A.Wah	Mix	Rate
18	BasPunch	-	-	41	ST S.Wah	Mix	Sense
19	MidBoost	-	-	42	LT S.Wah	Mix	Sense
20	LM Boost	-	-	43	DP S.Wah	Mix	Sense
21	HM Boost	-	-	44	CR S.Wah	Mix	Sense
22	Hi Boost	-	-	45	Comp	Threshold	Ratio
23	Low Cut	-	-				

Performance Assistant

Performance assistant is an easy-to-use function. It provides a variety of beautiful phrases to help you play your familiar instrument voice on the keyboard with ease.
There are 2 voices you can select to play in Performance Assistant: Guitar and Piano.

Enter the Performance Assistant

Press the [PERFORM.] button to turn on the function. It will enter the Guitar Mode and the LCD will display Guitar's voice name. You can use the Data Dial, [+/YES] or [-/NO] button to change the voice you want to perform.
The default time signature for Performance Assistant is the 4/4 and you can use [ENTER] or [EXIT] button to change it to one of the following time signature: 2-4, 3-4, 4-4 and 6-8.
In Performance Assistant mode, use [TEMPO+] or [TEMPO-] to change the tempo.
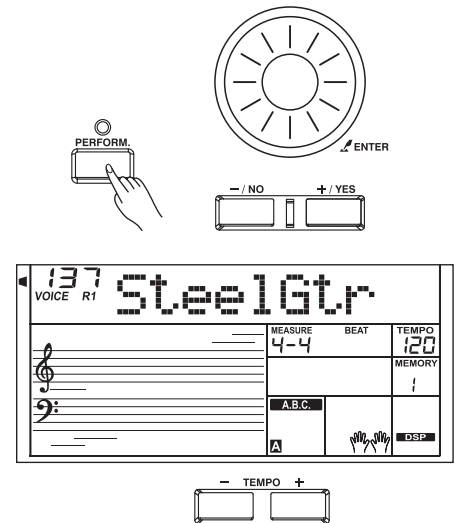
Guitar Mode

Guitar key map
The Guitar Mode allows you to perform a guitar voice with keyboard just like you're playing a real guitar. In this mode you can use ssuch guitar phrases as strum (5), broken chord (5), echoism (5) and also 2 endings.

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

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

Sub Area 2
C5 to A5 (only white keys) simulate the 6 strings of a real guitar. Play a free solo in this area.

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

Position Change
Press C7, the guitar position will be changed.
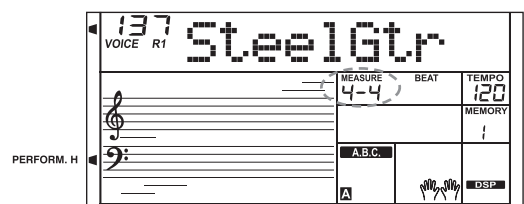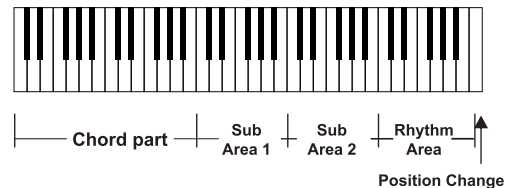
Performance Assistant

Playing in Guitar Mode

Play a chord in the chord part.
LCD will show its chord name and the guitar's root note will sound.
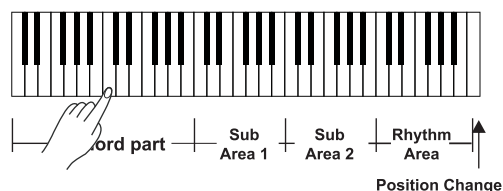
Play a broken chord in the sub area 1.
When the chord type is on display, press a white key in the sub area 1, a wonderful broken chord phrase will start. Press other white keys to play different phrases. Try playing a different chord with your left hand and enjoy the subtle change in the phrases.
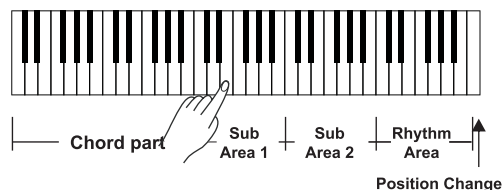
Play a free solo in the sub area 2.
When the chord type is on display, press the white keys in the sub area 2 you can play guitar free solo, like you're playing a real one. Try playing different chords with your left hand, and play your free solo. The last white key B5 is invalid.
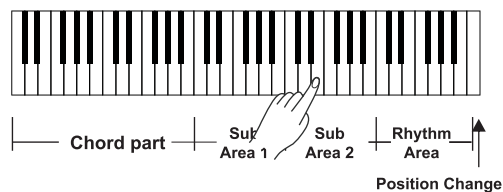
Play a strum rhythm in the rhythm area.
When the chord type is on display, press a white key in the rhythm area you can play the magic strum rhythm. Try playing different chords with your left hand, and play your strums.
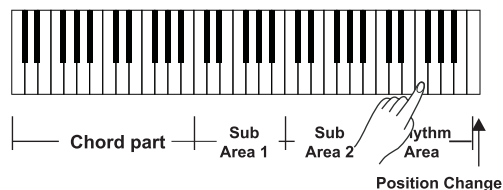
End the guitar performing.
Press the A6 or B6 to end your guitar performance. When the ending is finished, the phrase stops automatically.

Play the echoism.
All of black keys on Sub area 1, Sub area 2 and Rhythm area are echoism keys. There are 5 kinds of echoism patterns preset to the C#, D#, F#, G#, A# circularly.
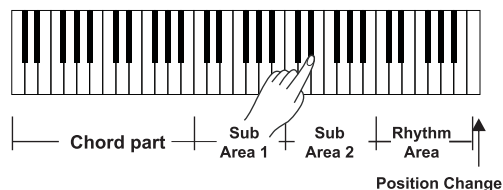
Change the position
Press the C7, the PERFORM.H icon will be lit on the LCD. It means that the guitar position has been changed to the High position. Try playing the white keys in sub area 1, Sub area 2 and Rhythm area, listen to the phrase you are performing now.
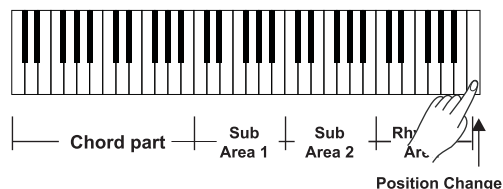
Piano Mode

Piano Key Map
The Piano Mode allows you to perform the piano voice just like playing an acoustic instrument. In this mode you can use such piano phrases as piano rhythm (5), broken chord (5) and also 3 endings.
The piano key map is similar to the guitar key map. Press A6 to C7 to play the ending. All the black keys above C4 are invalid.
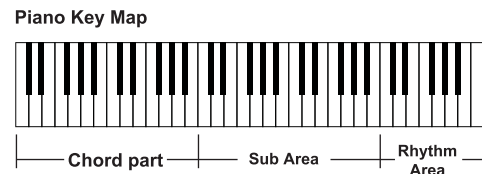
Playing in Piano Mode

1. Select Piano Mode.
In performance assistant mode, use data dial, [+/YES] or [-/NO]
button to select Piano Mode.

2. Play a chord in chord part.

3. Play different phrases and rhythms in the Sub Area and the Rhythm
Area.

4. Press A6, B6 or C7 to end your piano performance. When the
ending is finished, the phrase stops automatically.
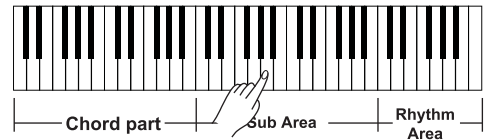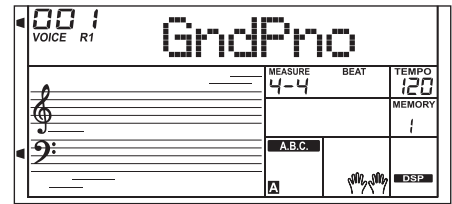
Exit the Performance Assistant
When the phrase stops, press the [VOICE], [STYLE], [SONG], [DEMO],
[SHIFT] + [PERFORM] to exit the Performance Assistant mode.

Synth

You can use the synth function to create your own voice on the basis of the built-in voice samples.

Enter the synth

Press [SYNTH] button to turn on the Synth function. The button LED and the "SYNTH" indicator light up.

In Synth mode, the following functions will be disabled: Lower, Dual, Auto Accompaniment and the Piano Mode.

Create user voice

1. Press [SYNTH] button to enter the user voice selection interface. LCD displays "584 UserVoic" and the user voice number. The synth flag will be lighted. Use [+/YES]/[-/NO] button or Data Dial to select a voice number you want.

2. Press [ENTER] button to enter the next menu. Then use the [+/YES]/[-/NO] button to select "Voc_Edit" or "Delete". Press [ENTER] to go forward or press [EXIT] to return to the previous menu.

3. If you select "Voc_Edit" and press [ENTER], the LCD will display "PcmVoice" and sample voice number. Use [+/YES]/[-/NO] button or Data Dial to select voice parameter, the voice parameter will display on the LCD as follows "PcmVoice", "Vib Rate", "VibDepth", "VibDelay", "EnvAttac", "EnvRelea", "EnvDecay".

If you select the "Delete" menu and press [ENTER] button, LCD displays "Sure?". Press [+/YES] button to delete the user voice, and then return to previous menu; If you press [-/NO] button cancel the operation, and then return to previous menu. You can also press [SYNTH] or [EXIT] button to return to previous menu.

4. After selecting a voice parameter, press [ENTER] button to enter the parameter value setting mode. At this mode, the parameter value will flash on LCD. Use [+/YES] /[-/NO] button or Data Dial to adjust the value, you can play the keyboard to listen to the voice effect.

5. Press [SYNTH] button and LCD displays "Sure?". Press [+/YES] button to save the user voice , and then return to previous menu, If you press [-/NO] button, it will cancel the operation, and then return to previous menu.

6. At any time, press [EXIT] button to return to the previous menu.

Exit the Synth

In the user voice selection interface, press one of the buttons to exit the function: [SYNTH], [EXIT], [STYLE], [SONG], [DEMO].

NOTE:
The voice editing function is invalid at the song playing, demo playing, recording and USB Device mode.
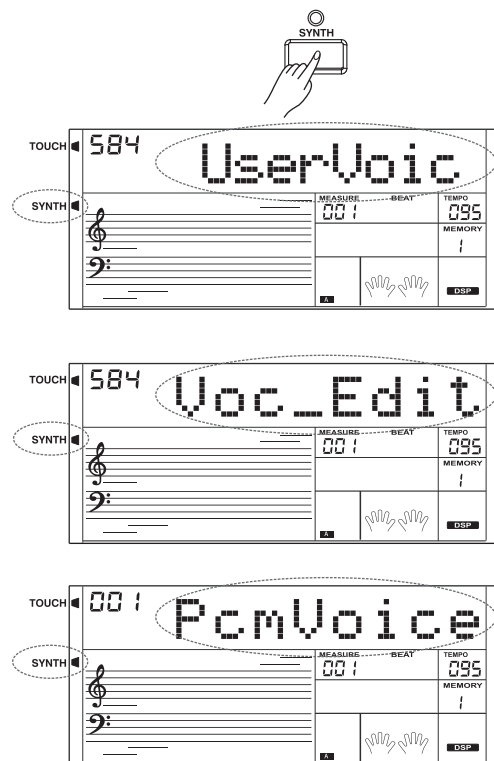
Parameter name	Range	Default
User Voice No.	584 - 593	584
PcmVoice	001 - 573	001
Vib Rate	000 - 127	064
VibDepth	000 - 127	064
VibDelay	000 - 127	064
EnvAttac	000 - 127	064
EnvRelea	000 - 127	064
EnvDecay	000 - 127	064

DSP Effect

With the built in digital effects, you can add ambiance and depth to your performance in a variety of ways such as adding reverb that makes it like you are playing in a concert hall or adding harmony notes for a full, rich sound.

1. The DSP effect is set to ON when keyboard is power on.

2. Press [DSP] button to switch DSP effect on or off.

Note:
There may be a slight break or noise if you switch on/off the DSP when the style or song is playing.
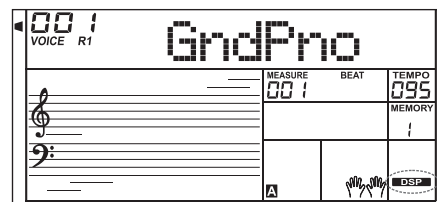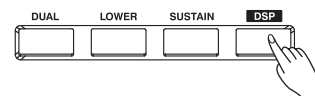
Mixer

The Mixer allows you to adjust separately the volume for each track.

1. Press the [MIXER] button.
Enter the Mixer menu. LCD shows the current parameter item.

2. Press [MIXER] or [ENTER] to select a parameter item, then use the Data Dial or the [+/YES]/[-/NO] button to adjust the volume of the selected item.
Press and button simultaneously to turn off the volume of the selected item.
Press[+/YES]and[-/NO]button simultaneously again to turn on the part volume.

3. Any time press [EXIT] to quit the Mixer menu.

Parameter items and the volume range in the Mixer menu:

Option	LCD Display	Range
Rhythm s VOLUME	XXX Rhythm_s	0－127
Rhythm m VOLUME	XXX Rhythm_m	0－127
Bass VOLUME	XXX Bass	0－127
Chord 1 VOLUME	XXX Chord1	0－127
Chord 2 VOLUME	XXX Chord2	0－127
Chord 3 VOLUME	XXX Chord3	0－127
Phrase 1 VOLUME	XXX Phrase1	0－127
Phrase 2 VOLUME	XXX Phrase2	0－127
Voice R1 VOLUME	XXX Upper1	0－127
Voice R2 VOLUME	XXX Upper2	0－127
Voice L VOLUME	XXX Lower	0－127
USB Device Playback Volume	XXX U_Disk	0－127

Note:
It will exit the Mixer Menu if there is no operation in 5 seconds.
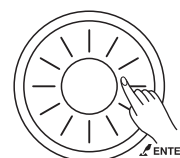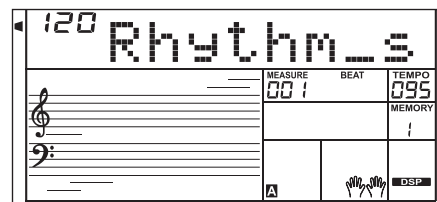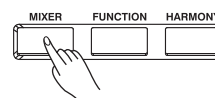
Pedal Function

Volume Pedal
You can step on the volume pedal to adjust the sound volume.

Sustain Pedal (Assignable)
You can assign other pedal functions to the sustain pedal. Please refer to Other Functions.

1. Pedal Sustain

If the pedal is assigned as "Ped Sust", step on the sustain pedal, all notes played on the keyboard have a longer sustain.
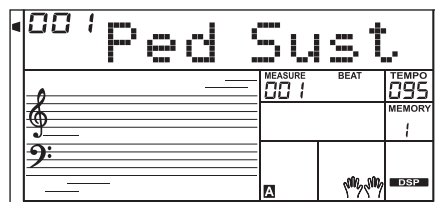
2. Pedal Soft

If the pedal is assigned as "Ped Soft", step on the soft pedal, all notes played on the keyboard have a softer effect.
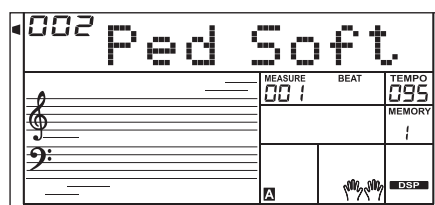
3. Pedal Start/Stop

If the pedal is assigned as "Ped St/T", step on the pedal to start/stop accompaniment.
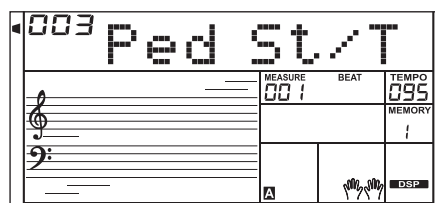
4. Pedal Memory

If the pedal assigned as "Ped Mem", pressing the pedal at the first time will call up registered memory: M1, and then M2, M3···by pressing this pedal step by step.
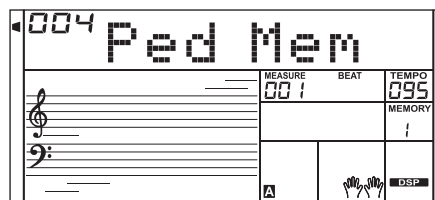
Other Functions

Press [FUNCTION] button to enter function menu. LCD shows the current parameter item. Press repeatedly the [FUNCTION] button to select an item. Use [+/YES]/[-/NO] or Data Dial to set parameter. Any time press [EXIT] to quit this menu.

Parameter items and the value range in the Function Menu:

Option	LCD Display	Range	Default
TUNE	XXX Tune	-50-50	000
BEAT	XXX Beat	0, 2-9	004
SPLIT POINT	XXX Split Pt	1-61	019
PEDAL ASSIGN	00X Ped ****	Sust, Soft, St/T, Mem	Sust(001)
FADE IN	0XX Fade In	1-20	010
FADE OUT	0XX Fade Out	1-20	010
HARMONY	00X Duet	Duet, 1+5, Octave, CtryDuet, Trio, Block, 4 Close1, 4 Close2, 4 Open	Duet(001)
REVERB LEVEL	XXX Rev Lev	0-127	Voice default
CHORUS LEVEL	XXX Chr Lev	0-127	Voice default
MIDI IN	XXX Midi In	1-16, ALL	ALL
MIDI OUT	XXX Midi Out	1-16	001
AUTO POWER OFF	XXX Power Off	OFF, 030, 060	030
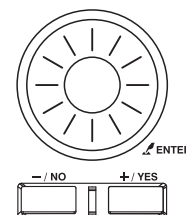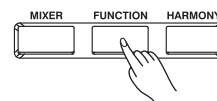
Note:
It will exit the Function Menu if there is no operation in 5 seconds.

Tune
This function sets the pitch of entire keyboard in a 2-cent increment.
1. Press the [FUNCTION] button to select the Tune menu. Use [+/YES]/[-/NO] or Data Dial to change tune value. Its range is from -50 to 50.

2. Pressing [+/YES] and [-/NO] together will set the tune value to its default setting.
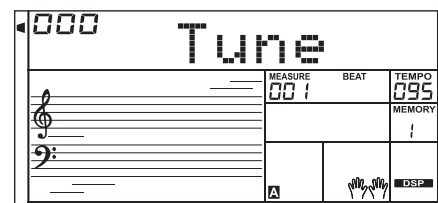
Beat
This function sets the time signature over the range from 0, 2-9.

1. Press the [FUNCTION] button to select the Beat menu. Use [+/YES]/[-/NO] or Data Dial to change the time signature.

2. Pressing [+/YES] and [-/NO] together will reset to the default time signature.
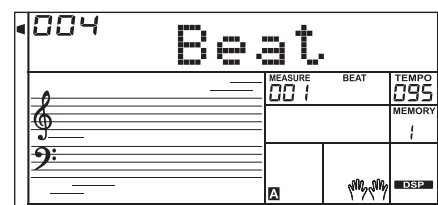
Split Point
This function sets the point that separates the entire keyboard to two sections.
1. Press the [FUNCTION] button to select the Split Point menu. Use [+/YES]/[-/NO] or Data Dial to change split point. You can also press a key to assign the split point to that key.

2. Pressing [+/YES] and [-/NO] together will reset to the default split point.
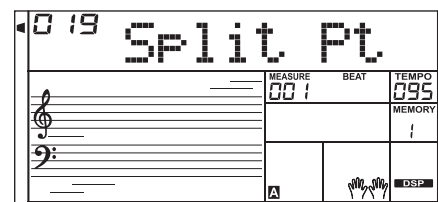
Other Functions

Pedal Assign

You can assign other pedal functions to the sustain pedal.

1. Press the [FUNCTION] button to select the Pedal menu. Use [+/YES]/[-/NO] or Data Dial to change the pedal function. The pedal can be set as sustain pedal, soft pedal, start/stop pedal or memory select pedal.

2. The default pedal type is sustain pedal.

Note:
Do not step on the pedal when turning on the power, otherwise, it will reverse the pedal operation.
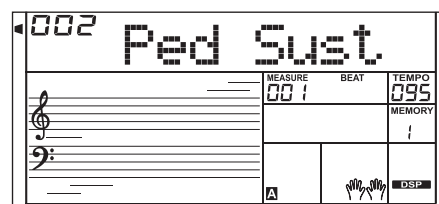
Fade In

Press the [FUNCTION] button to select the Fade In menu. Use [+/YES]/[-/NO] or Data Dial to change Fade In time. The range is form 1 to 20 seconds.
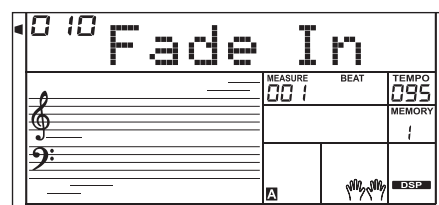
Fade Out

Press the [FUNCTION] button to select the Fade Out menu. Use [+/YES]/[-/NO] or Data Dial to change Fade Out time. The range is form 1 to 20 seconds.
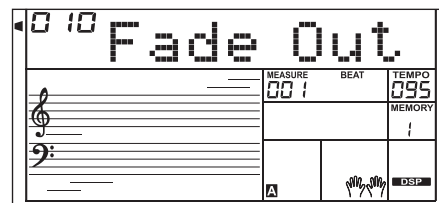
Harmony

1. Press the [FUNCTION] button to select the Harmony menu. LCD shows the default harmony type "Duet".

2. Use the [+/YES]/[-/NO] or Data Dial to select a harmony type.

There are 9 harmony effects for you to select, including Duet, 1+5, Octave, CtryDuet, Trio, Block, 4 Close1 and 4 Close2, 4 Open.
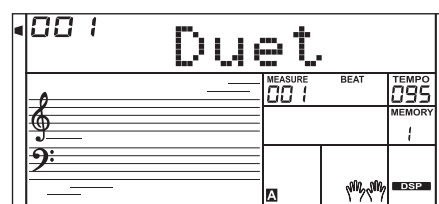
Reverb Level

Press the [FUNCTION] button to select the Reverb Level menu. LCD shows "Rev Lev". Use [+/YES]/[-/NO] or Data Dial to change reverb level. The level ranges from 0 to 127.

Other Functions
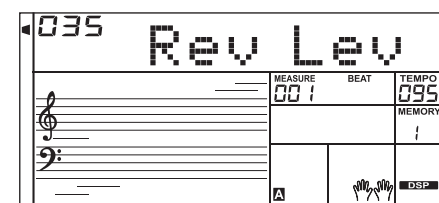
Chorus Level

Press the [FUNCTION] button to select the Chorus Level menu. LCD shows "Chr Lev". Use [+/YES]/[-/NO] or Data Dial to change chorus level. The level ranges from 0 to 127.
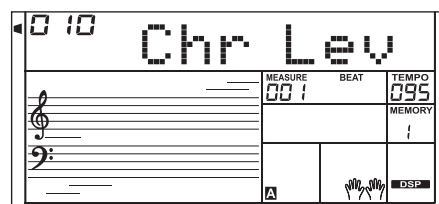
MIDI In

Press the [FUNCTION] button to select the MIDI In menu. Use [+/YES]/[-/NO] button or Data Dial to select the channel. The default setting is "ALL", channel 1~16 can also be selected.
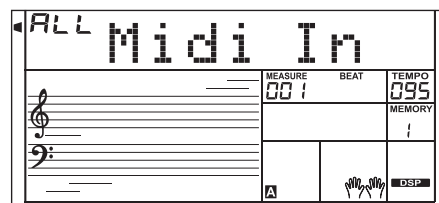
MIDI Out

Press the [FUNCTION] button to select the MIDI Out menu. Use [+/YES]/ [-/NO] button or Data Dial to select the channel. The default setting is "001", channel 2~16 can also be selected.
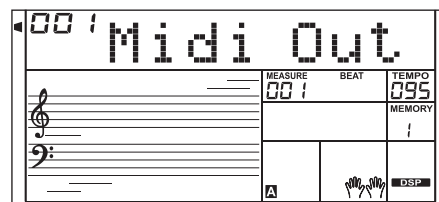
Auto Power Off

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

1. Press the [FUNCTION] button to select the Power Off menu. Use [+/YES]/[-/NO] or Data Dial to change the setting over the range: OFF, 30, 60.

2. Press [+YES] and [-/NO] simultaneously, the time will be reset to default: 30 minutes.
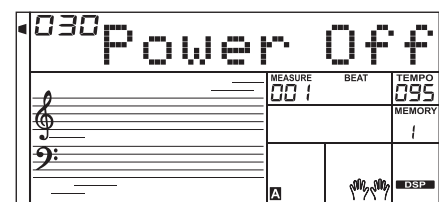
Register Memory

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 the settings by pressing a single button.

Registering the Panel Setting

While holding the [STORE] button, press one of the REGISTRATION MEMORY buttons: [M1] - [M6].

Note:
The new settings will replace the previous memory data.

Note:
Hold down both [STORE] and [M1] buttons, then turn on the power, the registration memory will be reset to factory setting. It will erase all user memory.
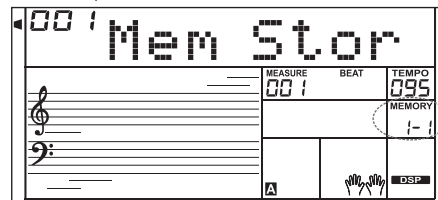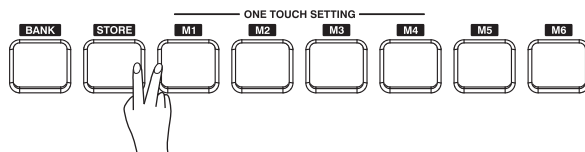
Recalling the Registered Panel Settings

Press one of the REGISTRATION MEMORY buttons: [M1] - [M6], it will instantly recall the settings saved in the memory and set the control panel accordingly.

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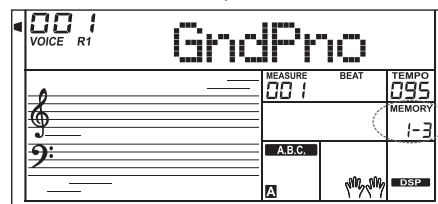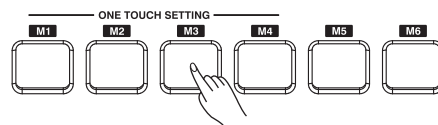
Selecting a Registration Bank

1. Press the [BANK] button. The LCD displays "Mem Bank" .

2. Use the Data Dial, [+/YES] or [-/NO] button to select a bank. There are 8 banks in total.

Freezing the Accompaniment Parameter

When the Freeze function is turned on, the accompaniment parameters (including the style number, section, volume, tempo, transpose, chord, mixer, split point) will be freezed and remain unchanged even when a memory is recalled.

Press the [FREEZE] button to turn the function on or off.
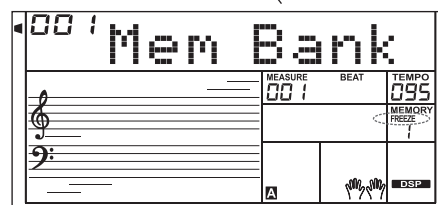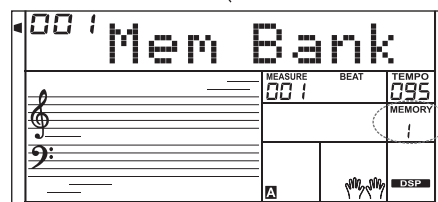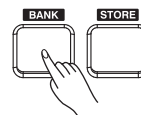
Song Recording

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

Accomp track and melody track can be recorded together, but you can not record two melody tracks at the same time. Of course you can only record accomp or melody; Accomp and multiple melody tracks can be play back together. The recorded data will not be lost when you turn off the power.

Start Recording

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

1. Press [RECORD] button to enter user song selection mode. The LCD shows "RecSong1". Press [+/YES]/[-/NO] button to select the user song you want to record.

2. Press [RECORD] button again to enter recording standby mode. "REC" appears on LCD and the beats start flashing. It will automatically select an empty melody track to record your performance.

3. In the recording standby mode, you can adjust parameters such as the voice, style and tempo. You can press the [ACCOMP] or [MELODY 1] -[MELODY 5] button to select a desired track. The selected track indicator will light up on display.

4. Press [START/STOP] button or play the keyboard to start recording. If you have selected the ACCOMP track, and have turned on the A.B.C. function, recording will start as soon as you play in the left hand area.

Note:
Style can only be recorded in "Accomp" track.

The track indicator has three states: Blinking, light on and light off.
Blinking: indicating the track is selected for recording. All existing data will be overwritten.

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

Light off: indicating the track has no data or the track has data but will not play back the data during recording.

In recording standby mode, it will automatically select the empty track next to the occupied track. For example, if "Melody 1" is occupied, "Melody 2" will be selected as the record track. When all 6 tracks have been recorded and a specific track needs to be revised, press the button of the desired track and start recording. The original data will be replaced.
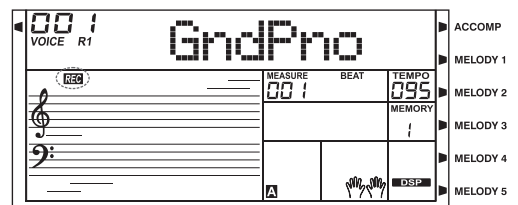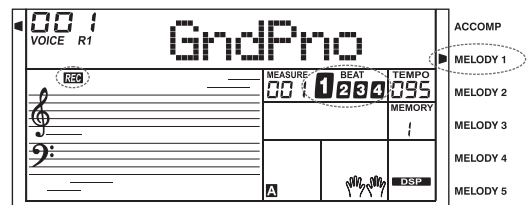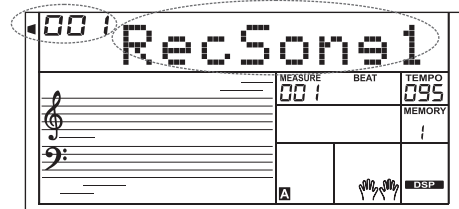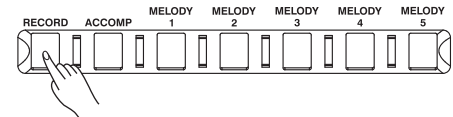
Song Recording

Stop Recording

1. During recording, press [RECORD] button to stop recording.

2. During recording, if the memory is full, the recording will stop and save automatically, the LCD displayed "Rec_Full".

3. If you are recording a style, the recording will stop automatically when the ending of rhythm is finished.
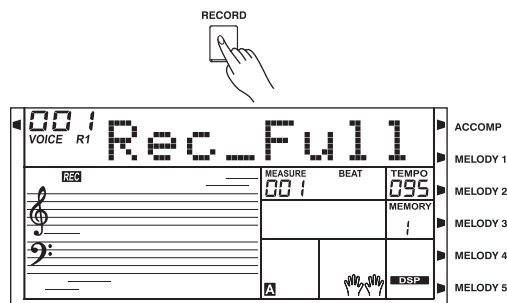
Play Back Recording

1. Press [RECORD] button when recording is in process,it will stop recording and enter the song mode, and the current recorded song will play automatically in circle.

2. Press the [SONG] button to enter the song mode and it will play all songs circularly. Use the Data Dial, [+/YES] or [-/NO] button to select user song to play. If there is no data in the selected user song, it will play "No file" and stop playing. When playback stops, you can select a user song that has data, and then, press [START/STOP] button, this user song will play circularly.
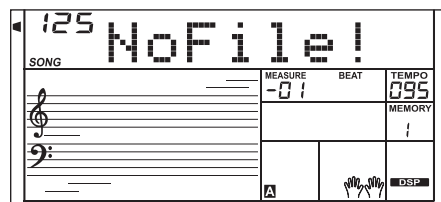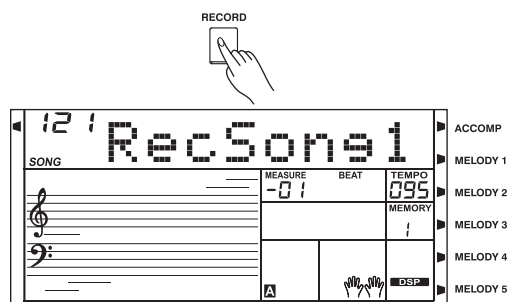
Delete Recording

1. Press and hold [RECORD] and [SONG] button together and turn power on simultaneously, all user songs will be erased.

2. In the recording standby mode, press and hold [RECORD] button for two second, the LCD will display "Delete?".
Press the "Accomp" (or "Melody 1" to "Melody 5") button to select the track you want to delete, the indicator of the selected track will light up. If all track indicators light up, it will delete the user song after confirmation.

3. Press [+/YES] to delete the selected track or, press [-/NO] to quit this step, and back to the recording standby mode.

30
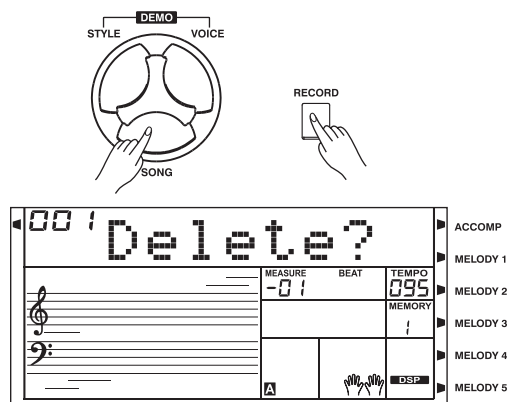
The keyboard has a variety of preset songs. Each song can be practiced in the Lesson Mode. Please refer to the Song List.

Listening to the songs

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

2. Use the Data Dial, [+/YES] or [-/NO] button to select a song.

3. Press the [START/STOP] button, it will stop playing. Press the button again, it will play the current song repeatedly.

4. When the songs is stopped, pressing [STYLE], [VOICE], [DUAL] or [LOWER] will exit the song mode.
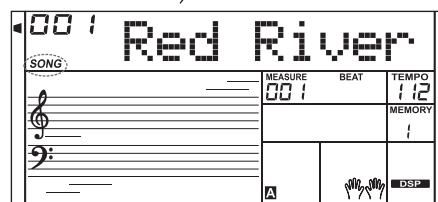
Song Control

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

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

3. Song Repeat
During song playback, you can use the [REPEAT A/B] button to set the beginning and the end for a loop section of the current song. Press it once to set the loop beginning, then press it again to set the loop end. When in loop status, press [REPEAT A/B] again to quit the loop playing status.
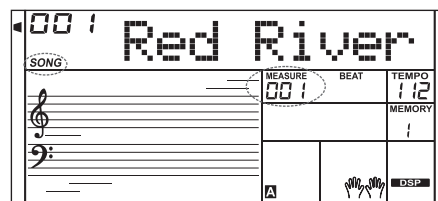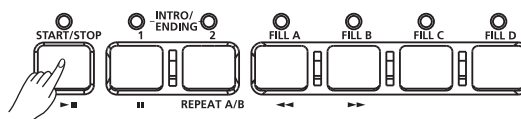
Lesson Mode

In the Lesson mode, you can learn a song by playing at the correct timing and playing the correct notes. It will grade your performance after the lesson.

1. Press the [LESSON] button.
When song stops playing, pressing the [LESSON] button will enter the lesson mode.

2. Select a hand part to practice.
Use [LEFT] / [RIGHT] button to select a lesson for the left hand, right hand or both hands. If neither hand is selected, the keyboard will automatically select the right hand practice for you.
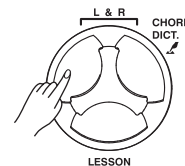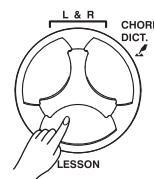
Note:
The left hand practice may vary for different songs. It will practice the chord part of a chord song or the left hand melody of a piano song. There is no left hand practice for a MIDI song.
During the lesson, the staff notation or chord notes will be displayed on LCD.

Song

Lesson 1 - Practice timing

1. Press the [LESSON] button to enter the lesson mode. The lesson 1 icon lights up on the LCD.
In Lesson 1 mode, the keyboard will only grade the time value of the playing, and will ignore the correction of the note.

2. Press the [START/STOP] button to start practice. If [RIGHT] is selected, it will mute melody of right hand and you will have to follow the time value of the right hand. As long as the time value is correct, the melody will sound.

If [LEFT] is selected, it will mute the chord part or left hand melody. You will have to follow time value of the left hand. As long as the time value is correct, the chord/melody will sound.

If [LEFT] and [RIGHT] are selected, the chord/melody on left hand and the melody on right hand will be muted. You will have to follow time value on both left and right hand.
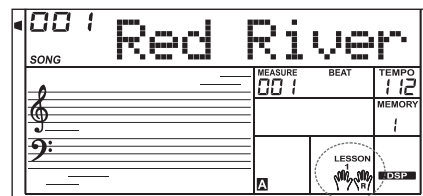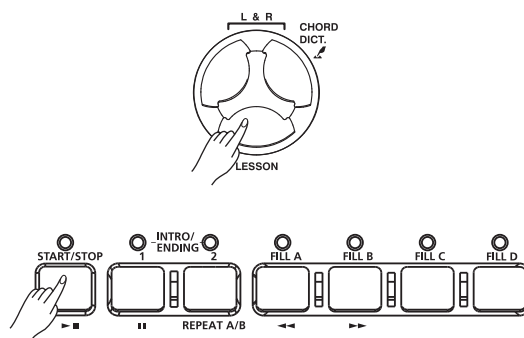
Lesson 2 - Practice note accuracy

1. Press the [LESSON] button again to enter the lesson 2 mode.
In LESSON 2 mode, the keyboard only grades your practice by the correctness of the notes. Only when you play the correct note, the song will continue playing, otherwise, it will stop and wait.

2. Press the [START/STOP] button to start to practice.
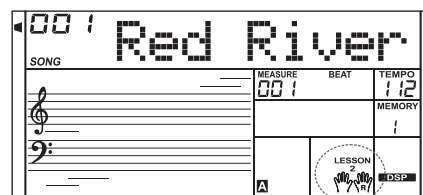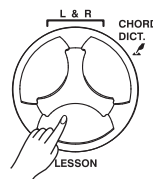
Lesson 3 - Performance

1. Press the [LESSON] button in LESSON 2 to enter the lesson 3 mode.
In LESSON 3 mode, it will score your practice by the correctness of the time value and note.

2. Press the [START/STOP] button to start to practice.
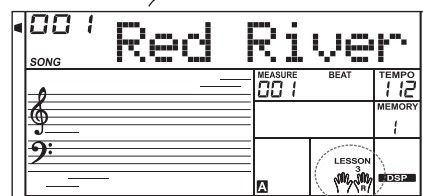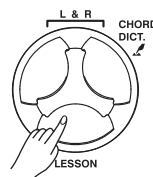
If you know the name of a chord but don't know how to play it, you can use the Chord Dictionary function.You can learn the chord and test in this features.

DICT 1 (Chord Learning Mode)
Press and hold the [CHORD DICT.] button for 2 seconds to enter the DICT 1 mode.

In DICT 1 mode, the key above C4 are used to assign the Chord Type, the keys above C6 are used to assign the Chord Root.
When the Chord Type and Chord Root are confirmed, the LCD will display the Chord notes. For example, if you want to play a CM7 Chord, press the C6 key in the section of the keyboard labeled CHORD ROOT. The root note you set will be shown on the LCD but the note doesn't sound.
Press the E4 key in the section of CHORD TYPE which has labeled M7. When the Chord Type and Chord Root are confirmed, the LCD will display the chord name and its notes. A prompt sound will be heard when you play it correctly in the left hand area.
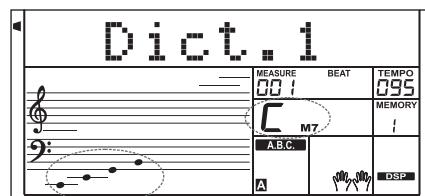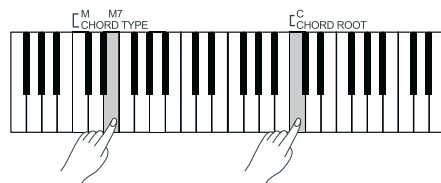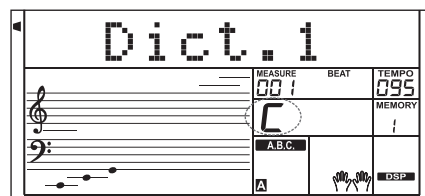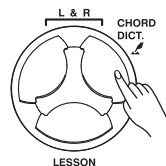
DICT 2 (Chord Testing Mode)
Press the [CHORD DICT.] button again to enter the DICT 2 mode. In this mode, you can have a chord test. LCD will display a chord name in random order. If the chord fails to be played in 3 seconds, its notes will appear on LCD. Once the chord is played correctly, a new chord name will appear after a few seconds. In DICT 2 mode, press the [CHORD DICT.] button again to turn off chord dictionary.

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

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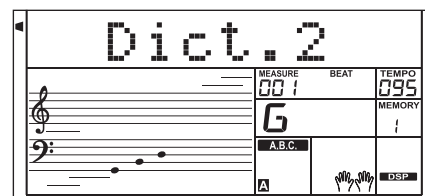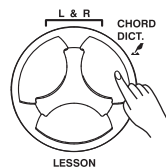
Connecting USB Flash Drive

The instrument recognizes USB flash drives, sizing from 16M to 32G in the format of FAT16 and FAT32. It does not support USB partition. We recommend you format the USB flash drive on the instrument before using. Do not edit the backup files saved in the USB flash drive.

Common Operation

1. The function buttons related to USB Flash Drive: [USB DEVICE], [ENTER], [EXIT], [+/YES], [-/NO], Data Dial and [START/STOP].

2. Press [USB DEVICE] button to enter USB Device mode, press it again to exit the function.

3. Connect a USB flash drive to the instrument then press the [USB DEVICE] button, LCD will first show "Wait...!", indicating the initialization is in progress. If the initialization succeeds, LCD will show "Play", otherwise, it will show "DiskErr". If the USB Flash Drive is not connected, LCD will show "NoDisk".

4. In the USB Device mode, you can use [+/YES]/[-/NO] button or Data Dial to choose menu, press [ENTER] button to go forward or, press [EXIT] to return to previous menu.

5. In USB Device mode, it can read a maximum of 512 files in a directory. "DIR" means a directory, and "FILE" means a file. In USB Device mode, you can press [USB DEVICE]/[STYLE]/ [SONG] or a STYLE select button to exit the mode.

6. When playing a MIDI file, press [MIXER] button to adjust the playing volume, over the range from 0 to 127.

7. The operation to load, save or delete will apply to files in the "MMKD" folder only.

Note:
An "MMKD" folder will be generated automatically in the USB flash drive for the initial time when you save data to it. Please wait patiently until the process is finished.

Play

1. Press [USB DEVICE] button to enter USB Device mode, use the [+/YES]/[-/NO] button to select the "Play" menu.

2. Press [ENTER] button, LCD will display the MIDI files and directories in the root of the USB Storage Device.

3. If you select a sub-directory, LCD will display the sub-directory name and the "DIR" sign. Press [ENTER] button to enter the current sub-directory, LCD will show all files in the sub-directory.

4. If there is no recognizable file in the current directory, LCD will display "..", press [ENTER] to go back.

5. Use [+/YES]/[-/NO] button or Data Dial to select a MIDI file. Press [START/STOP] button to play it repeatedly. Press [ENTER] button to play all files in the current directory circularly. Press [START/STOP] button again to stop playing, press [EXIT] button to return to previous menu or press [USB DEVICE] button to exit the mode.
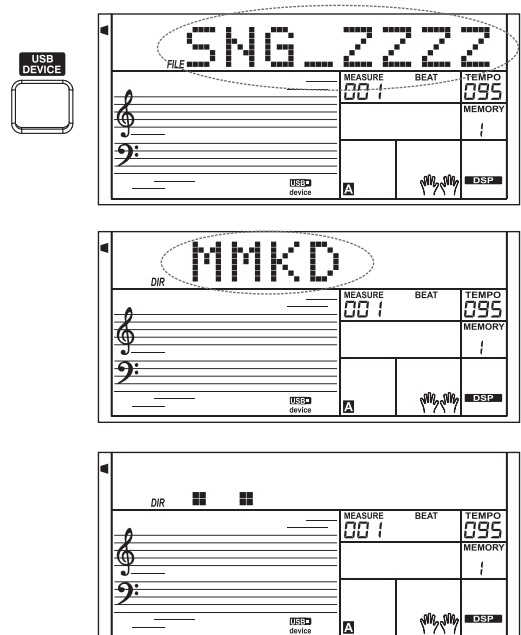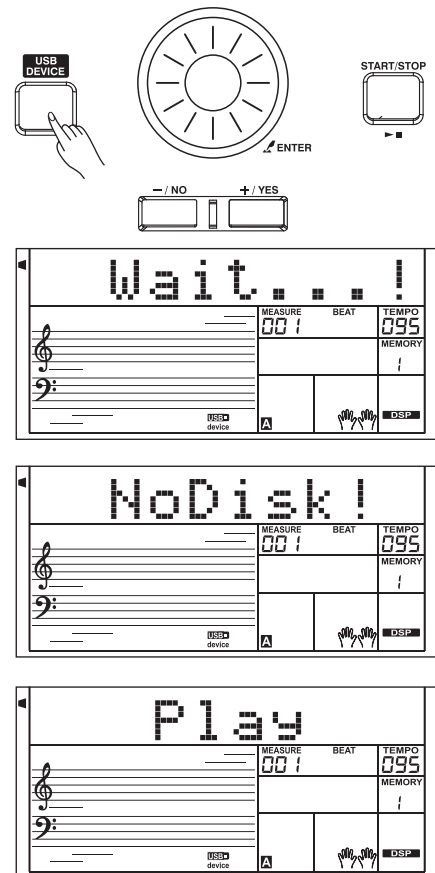
Load

Select the menu "Load" and press [ENTER] button, the Load sub menu are displayed on LCD, which includes "LoadSong", "LoadSty" , "LoadMem" and "LoadVoic". Use [+/YES]/[-/NO] button or Data Dial to select one.

Load Song:

1. Select the menu "LoadSong" and press [ENTER] button, the LCD will show all the MIDI files (*.mid) under the directory "MMKD\SONG\". Select a file by using [+/YES]/[-/NO] button or Data Dial.

2. Press [ENTER] button, and then use the [+/YES]/[-/NO] button or Data Dial to select a user song number.

3. Press [ENTER] button LCD will display "Sure?". Now press [ENTER]/ [+/YES] button to load the file or press [EXIT]/[-/NO] button to cancel.

Load Style:

1. Select the menu "LoadSty" and press [ENTER] button, LCD will show all the style files (*.sty) under the directory "MMKD\STYLE\". Select a file by using [+/YES]/[-/NO] button or Data Dial.

2. Press [ENTER] button, and then use the [+/YES]/[-/NO] button or Data Dial to select a user style number.

3. Press [ENTER] button, LCD will display "Sure?". Now press [ENTER]/[+/YES] button to load the file or press [EXIT]/[-/NO] button to cancel.

Load Memory:

1. Select the menu "LoadMem" and press [ENTER] button, the LCD will show all the memory files (*.mem) under the directory "MMKD\MENORY\". Select a file by using [+/YES]/[-/NO] button or Data Dial.

2. Press the [ENTER] button, LCD will display "Sure?". Now press [ENTER]/[+/YES] button to load the file or press [EXIT]/[-/NO] button to cancel.

Load Voice:

1. Select the menu "LoadVoic" and press [ENTER] button, the LCD will show all the voice files (*.voc) under the directory "MMKD\VOICE\". Select a file by using [+/YES], [-/NO] button or Data Dial.

2. Press [ENTER] button, and then use the [+/YES]/[-/NO] button or Data Dial to select a user voice number.

3. Press the [ENTER] button, LCD will display "Sure?". Now press [ENTER]/[+/YES] button to load the file or press [EXIT]/[-/NO] button to cancel.
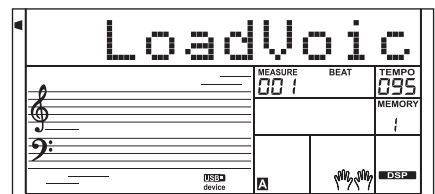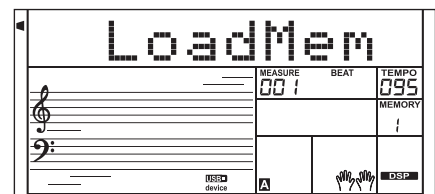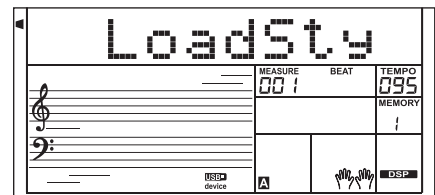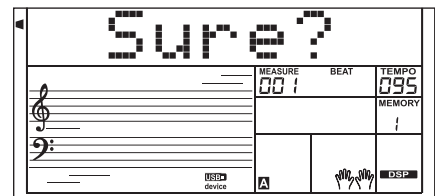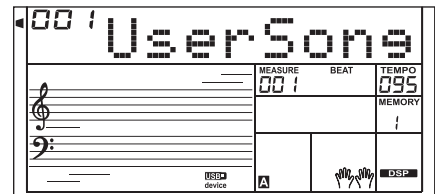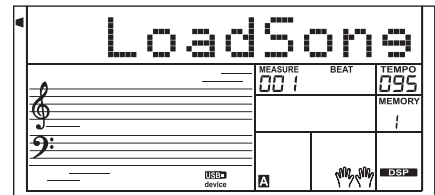
Connecting USB Flash Drive

Save

Select the menu "Save" and press [ENTER] button, the Save sub menu are displayed on LCD, which includes "SaveSong", "SaveSty", "SaveMem" and "SaveVoic". You can select one by using [+/YES], [-/NO] button or Data Dial.

For example, saving a user song.

1. Select the "SaveSong" sub-menu, then press [ENTER] to enter the menu. LCD will show the current user song name and number. Use the data dial to select a user song.

2. Press [ENTER] and the LCD will prompt to enter a file name "SNG_". Use the keyboard to enter an 8-digit file name. Please refer to the Keyboard and ASCII Character Relative Table at the back of this chapter.

3. After entering the file name, press [ENTER]. LCD will show "Sure?". Press [+/YES] to confirm saving, or press [-/NO] to cancel.

4. If the name you enter is the same as an existing song, LCD will prompt "SameName". You need to enter a different name to save the file.
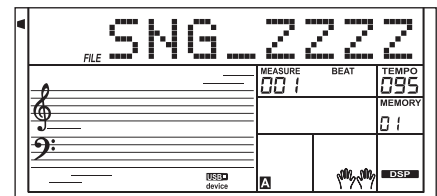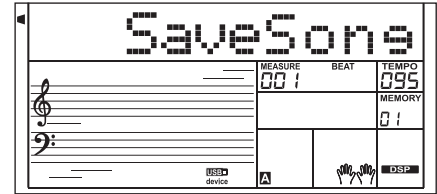
Note:
Please follow the steps above to save a user style, a user memory or a user voice.

Delete

1. Select the menu "Delete" and press [ENTER] button, the delete sub menu are displayed on LCD, which includes "UserSong", "UserSty", "UserMem" and "UserVoic". Use [+/YES], [-/NO] button or Data Dial to select one.

2. Select a sub menu and then press [ENTER] button. Use the data dial to select a file you want to delete.

3. Press [ENTER] button, "Sure?" will be displayed on LCD, press [ENTER] or [+/YES] button to delete the file, or press [-/NO] to cancel.
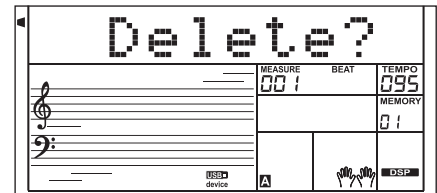
Format

Select the menu "Format" and press [ENTER] button, "Sure?" will be displayed on LCD. Press [ENTER] button to format the USB flash drive, or press [-/NO] to cancel.

Note: Formatting will delete all data in the USB flash drive!
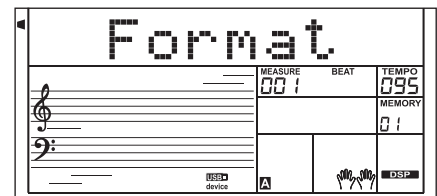
Keyboard and ASCII Character Relative Table

Note	C#2	D2	Eb2	E2	F2	F#2	G2	Ab2	A2	Bb2	B2
Letter	DEL	BACK	NEXT	A	B	C	D	E	F	G	H

Note	C3	C#3	D3	Eb3	E3	F3	F#3	G3	Ab3	A3	Bb3
Letter	I	J	K	L	M	N	O	P	Q	R	S

Note	B3	C4	C#4	D4	Eb4	E4	F4	F#4	G4	Ab4	A4
Letter	T	U	V	W	X	Y	Z	0	1	2	3

Note	Bb4	B4	C5	C#5	D5	Eb5
Letter	4	5	6	7	8	9

By using the MIDI functions you can expand your musical possibilities.

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.

MIDI Terminals

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

MIDI IN: Receives MIDI data from a computer.

MIDI OUT: Transmits the instrument information as MIDI data to another MIDI device.

MIDI THRU PORT: You can use MIDI cable to link the MIDI THRU port to other MIDI instrument MIDI IN port. The message that the MIDI IN port receives will be auto sent to the MIDI THRU port, so that one MIDI instrument can control many MIDI instrument at the same time.

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

Connect the MIDI IN of other Device to the MIDI OUT jack on the rear panel. this instrument will work as Midi Controller.
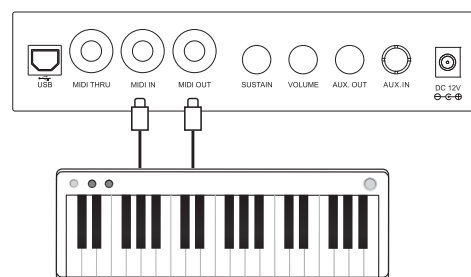
Downloading Data from the Computer

1. Turn off the instrument. Use a standard USB cable to connect the USB jack of instrument to the USB port of a computer. Then turn on the instrument.

2. Run the POOTUTE software on computer. "PCLink." will appear on the instrument LCD, indicating it is connected successfully with the computer.

3. With the POOTUTE, you can upload any user data to the computer as a backup or download user data from the computer to the instrument.

4. Please refer to the software instructions for more details.
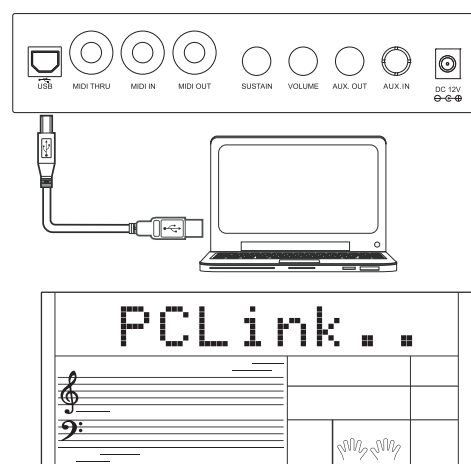
Troubleshooting

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.	Check if the master volume is set too low or if headphones are plugged into the PHONES 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.	And Harmony cannot be turned on when a drum kit is selected for the voice R1.
After connecting with a computer, the instrument cannot be recognized.	Please check if the USB cable is being connected firmly, or try connecting another USB port on the computer, without the need to install another driver on the PC.
It cannot read/save to the USB flash drive.	It support USB flash drive in the FAT16/FAT32 format only and does not support USB partition. Please format your USB flash drive into FAT16/FAT32 on computer before using.
It shuts down after a period of time.	Normally, the auto power off function will turn off the instrument after a preset period of time if the instrument is not used. You can turn off the function in the Function Menu.

Specifications

LCD Display
Multi-functional LCD

Keys
61

Polyphony
128

Voice
583 preset voices, 10 user voices

Style
230 preset styles, 5 user styles

Song
120 preset songs, 5 user songs

Demo
5

Control button
Power Switch, Volume Knob, Accomp+/-, Transpose+/-, Octave+/-, Tempo+/-, Left, Right/Chord Dict., Lesson, Perform., Freeze, O.T.S., IFX, Synth, Bank, Store, M1-M6, Style, Voice, Demo, Song, Data Dial, Enter, +/Yes, -/No, Exit, Mixer, Function, Harmony, Dual, Lower, Sustain, DSP, Piano, Metro, Touch, USB Device, FreeSolo.

Accompaniment Control
Start/Stop, Sync stop, Sync start, Intro1/Ending1 (Pause), Intro2/Ending2 (REPEAT A/B), Fill A (REW), Fill B (FF), Fill C, Fill D, Fade, A.B.C.

Record Function
Record, Accomp, Melody 1-5

Panel Memory
48

Connectors
DC IN, Headphones, AUX IN, AUX OUT, Sustain, Volume, USB, MIDI IN, MIDI OUT, MIDI THRU.

Power Supply
DC 12V

Speaker
Woofer: 15W X 2
Tweeter: 25W X 2

Dimensions
970(L) X 390(W) X 160(H)MM

Weight
9Kg

* Specifications and descriptions herein are for information only and are subject to change without prior notice.

Voice List

NO.	English Name	LCD Name
	Piano	
1	Stereo Grand Piano	GndPno
2	Acoustic Grand Piano (wide)	GndPnoW
3	Acoustic Grand Piano (wide) 2	GndPnoW2
4	Acoustic Grand Piano (dark)	GndPnoDk
5	Octave Piano 1	OctPno1
6	Octave Piano 2	OctPno2
7	Dreamscape	Dreamscp
8	Piano & Strings	Pno&Str
9	Piano & Choir	Pno&Cho
10	Acoustic Grand Piano	GrandPno
11	Stereo Bright Piano	StBrtPno
12	Bright Acoustic Piano	BritePno
13	Bright Acoustic Piano (wide)	BritePnW
14	Bright Acoustic Piano (wide) 2	BritePW2
15	Chorus Piano	ChrsPno
16	Piano Pad	PianoPad
17	Piano & Vibraphone	Pno&Vib
18	Electric Grand Piano	E.Grand
19	Electric Grand Piano (wide)	E.GrandW
20	Stereo Honk-Tonk	HnkyTnk
21	Honky-tonk Piano	HnkyTnk2
22	Honky-tonk Piano (wide)	HnkyTnkW
23	Honky-tonk Piano (wide) 2	HnkTnkW2
24	Stereo Hard Electric Piano	StHarEp
25	Detuned Electric Piano 1	DetunEP1
26	Detuned Electric Piano 2	DetunEP2
27	Detuned Electric Piano 3	DetunEP3
28	Electric Piano 1	E.Piano1
29	Electric Piano 2	E.Piano2
30	Electric Piano (wide) 1	EPnoW1
31	Electric Piano (wide) 2	EPnoW2
32	EP Legend	EPLegend
33	EP Phase	EPPhase
34	60's Electric Piano	60'sEP
35	Electric Piano 1 (velocity mix)	E.PnoV1
36	Electric Piano 2 (velocity mix)	E.PnoV2
37	Velocity Crossfade Electric Piano	VeCrosEP
38	Layered Electric Piano 1	LayerEp1
39	Layered Electric Piano 2	LayerEp2
40	Nylon Electric Piano	NylonEP
41	Warm Electric Piano	WarmEp
42	Cloudy Electric Piano	CloudyEp
43	Grand Harpsichord	GraHarps
44	Harpsichord	Harpsi
45	Harpsichord 2	Harpsi2
46	Harpsichord (wide)	HarpsiW
47	Harpsichord (octave mix)	HarpsiO
48	Harpsichord (octave mix) 2	HarpsiO2
49	Harpsichord Release	HrpsiRl
50	Harpsichord (with key off)	HrpsiRl2
51	Piano & Harpsichord	Pno&Harp
52	Stereo Clavichord	StClavi
53	Clavi	Clavi
54	Clavi 2	Clavi2

NO.	English Name	LCD Name
55	Clavi (wide) 1	ClaviW1
56	Clavi (wide) 2	ClaviW2
57	Clavi Wah	ClaviWa
58	Pulse Clavi	PlsClav
	Chromatic Percussion	
59	Celesta	Celesta
60	Celesta 2	Celesta2
61	Birght Celeasta	BrtClst
62	Celesta & Sine	Clst&Sn
63	Reecho Bell	RechBell
64	Celesta & Music Box	ClstMbox
65	Glockenspiel	Glock
66	Glockenspiel 2	Glock2
67	Glockenspiel & Sine	GlckSine
68	Glockenspiel & Celesta	GlckClst
69	Music Box	MusicBox
70	Music Box 2	MusicBx2
71	Music Box 3	MusicBx3
72	Toy Box	ToyBox
73	Music Box & Harp	Mbox&Hrp
74	Stereo Vibrapho	StVibes
75	Rigid Vibraphone	RigdVibe
76	Vibraphone	Vibe1
77	Vibraphone 2	Vibe2
78	Vibraphone (wide)	VibeW
79	Vibraphone (wide) 2	VibeW2
80	Vibraphone & Bell	VibeBell
81	Vibraphone & Harpsichord	VibeHrps
82	Marimba	Marimba
83	Marimba 2	Marimba2
84	Marimba (wide)	MarimbaW
85	Sine Marimba	SnMrmb
86	Stereo Marimba	StMrmb
87	Marimba & Vibraphone	Mrmb&Vb
88	Wood Drum	WoodDrum
89	Xylophone	Xylo
90	Xylophone 2	Xylo2
91	Tubular Bells	TubulBel
92	Church Bell	ChurBell
93	Carillon	Carillon
94	Dulcimer	Dulcimer
95	Santur	Santur
96	Shorty	Shorty
	Organ	
97	Drawbar Organ	DrawOrgn
98	Drawbar Organ 2	DrawOrg2
99	Soft Stereo Drawbar Organ	SfDrawOr
100	Mellow Drawbar Organ	MellDrOr
101	Detuned Drawbar Organ	DtOrgan
102	Detuned Drawbar Organ 2	DtOrgan2
103	Italian 60's Organ	60'sOrgn
104	1970 Percussive Organ	70PrcOrg
105	Percussive Organ	PercOrgn
106	Percussive Organ 2	PercOrg2
107	Light Click Organ	LClckOrg
108	Detuned Percussive Organ	DtPrcOrg

109	Stereo Rotary Organ	StRotaOr
110	Rock Organ	RockOrgn
111	Rotary Organ	RotaOrgn
112	Slow Rotary Organ	SlRtOrg
113	Detuned Church Organ	DtChOrg
114	Church Organ	ChrhOrg
115	Church Organ 2	ChrhOrg2
116	Church Organ (octave mix)	ChrhOrgO
117	Reed Organ	ReedOrgn
118	Puff Organ	PuffOrgn
119	Accordion	Acordion
120	Accordion 2	Accrdn2
121	Accordion 3	Accrdn3
122	Chorus Accordion	ChAccrdn
123	Mustte	Mustte
124	Accord It Solo	AccordSo
125	Sweet Harmonica	SweHarm
126	Harmonica	Harmnica
127	Harmonica 2	Harmnic2
128	Detuned Harmonica	DtHarm
129	Tango Accordion	TangoAcd
	Guitar	
130	Acoustic Guitar (nylon)	NylonGtr
131	Acoustic Guitar (nylon 2)	NylonGt2
132	Acoustic Guitar (nylon + key off)	NylGtrOf
133	Ukulele	Ukulele
134	Velocity Nylon Guitar	NylnGtVe
135	Chorus Nylon Guitar	ChoNyGt
136	Bright Nylon Guitar	BrtNyGt
137	Acoustic Guitar (steel)	SteelGtr
138	Acoustic Guitar (steel) 2	SteelGt2
139	Steel Guitar with Body Sound	SteelBdy
140	Tremolo Steel Guitar	TremGtr
141	Mandolin	Mandolin
142	12-Strings Guitar	12StrGtr
143	Chorus Steel Guitar	ChoSteGt
144	Nylon & Steel Guitar	Ny&SteGt
145	Stereo Steel Guitar	StSteGt
146	Steel Guitar Bend	GtBend
147	Steel Guitar Harmonics	GtHarm
148	Velocity Steel Guita 1	VStlGtr1
149	Velocity Steel Guita 2	VStlGtr2
150	Velocity Steel Guita 3	VStlGtr3
151	Velocity Steel Guita 4	VStlGtr4
152	Electric Guitar (jazz)	JazzGtr
153	Electric Guitar (jazz) 2	JazzGt2
154	Electric Guitar (pedal steel)	PedalGtr
155	Mellow Guitar	MelloGtr
156	Velocity Jazz Guitar	JazzGtVe
157	Jazz Guitar Detuned	JazzGtDt
158	Mid Tone Guitar	MidTonGt
159	Electric Guitar (clean)	CleanGtr
160	Electric Guitar (clean) 2	CleanGt2
161	Stereo Clean Guitar	StClnGtr
162	Velocity Clean Guitar	ClnGtrVe
163	Electric Guitar (detuned clean)	DtClnGtr

164	Electric Guitar (muted velo-sw)	MutVeGtr
165	Electric Guitar (muted)	MutedGtr
166	Electric Guitar (funky cutting)	FunkGtr
167	Jazz Man	JazzMan
168	Stereo Muted Guitar	StMuGtr
169	Guitar Pinch	GtrPinch
170	Overdriven Guitar	Ovrdrive
171	Detuned Overdriven Guitar	DtOdrvGt
172	Distortion Guitar	DistGtr
173	Distortion Guitar 2	DistGt2
174	Distortion Guitar (with feedback)	FeedbkGt
175	Distortion Guitar (with feedback) 2	FeedbkG2
176	Distorted Rhythm Guitar	DistRyth
177	5th Distortion	5thDist
178	Distortion Guitar Octave	DistGtO
179	Stereo Distorted Guitar	StDstGtr
180	Guitar Feedback	GtrFedbk
181	Guitar Harmonics	GtrHarmo
	Bass	
182	Acoustic Bass	AcBass
183	Acoustic Bass 2	AcBass2
184	Acoustic Bass Detuned	AcBsDt
185	Acoustic Bass Filter	AcBsFlt
186	Jazz Style	JazzSty
187	A.Bass & Mute G.T.	Bs&GtMt
188	Resonant Bass	ResBass
189	Velocity Crossfade Bass	VelCBass
190	Wah Bass 1	WahBass1
191	Wah Bass 2	WahBass2
192	Electric Bass (finger)	FngrBass
193	Electric Bass (finger) 2	FngrBs2
194	Electric Bass (finger) 3	FngrBs3
195	Detuned Finger Bass	DtFngrBs
196	Dark Finger Bass	DarkFiBs
197	Finger Slap Bass	SlapBass
198	Resonant Finger Bass	ResFngBs
199	Wah Finger Bass	WahFnBs
200	Bass & Distorted Elec Guitar	Bs&DtEG
201	Electric Bass (pick)	PickBass
202	Electric Bass (pick) 2	PickBs2
203	Mute Pick Bass	MuPkBass
204	Detuned Pick Bass	DetPicBs
205	Fretless Bass	Fretless
206	Fretless Bass 2	Fretlss2
207	1990 Bass	90Bass
208	Fretless Bass & Sine	Ftls&Sn
209	Fretless Bass Detuned 1	FlsBsDt1
210	Fretless Bass Detuned 2	FlsBsDt2
211	Fretless Bass Detuned 3	FlsBsDt3
212	Slap Bass 1	SlapBas1
213	Slap Bass 2	SlapBas2
214	Slap Bass 3	SlapBas3
215	Slap Bass 4	SlapBas4
216	Power Slap Bass	PwrSlap
217	Lash Thumb Bass	LshThmB
218	Resonant Slap Bass	ResSlpBs

Voice List

219	Velocity Switch Slap Bass	VeloSSlp		272	Synth Strings 5	SynStr5
220	Synth Bass 1	SynBass1		273	Resonant Strings	ResStr
221	Synth Bass 2	SynBass2		274	Stereo Slow Strings	SSlowStr
222	Synth Bass 3 (resonance)	ResBass		275	Slow Strings	SlowStr
223	Synth Bass 4 (attack)	AttkBass		276	Strings and Brass	Str&Bras
224	Synth Bass (warm)	WarmBass		277	Legato Strings	LegatStr
225	Clavi Bass	ClavBass		278	Orchestra	Orchstr
226	Hammer	Hammer		279	Arco Strings	ArcoStr
227	Synth Bass (rubber)	RbbrBass		280	60's Strings	60'sStr
228	Attack Pulse	AttkPls		281	1970 Strings	70'sStr
	Strings & Orchestral Instruments			282	Solo Strings	SoloStr
229	The Violin	TheVln		283	Choir Aahs	ChoirAah
230	Violin	Violin		284	Choir Aahs 2	ChoirAh2
231	Violin 2	Violin2		285	Choir Aahs 3	ChoirAh3
232	Violin (slow attack)	SlViolin		286	Choir Aahs 4	ChoirAh4
233	Mono Violin	MonoVln		287	Mellow Choir	MelCho
234	Octave Violin	OctVln		288	Stereo Choir Aahs	StChoir
235	Electric Violin	EViolin		289	Strings & Choir	StrChoir
236	Violin & Viola	Vln&Vla		290	Humming	Humming
237	Two Violin	TwoVln		291	Voice Oohs	VoiceOoh
238	Soft Violin	SoftVln		292	Analog Voice	AnaVoice
239	Velocity Violin	VeViolin		293	Synth Voice	SynVoice
240	Viola	Viola		294	Choral	Choral
241	Viola 2	Viola2		295	Bass Hit Plus	BassHit
242	Viola 3	Viola3		296	Orchestra Hit	OrchHit
243	Dark Viola	VlaDrk		297	Orchestra Hit 2	OrchHi2
244	Cello	Cello		298	Euro Hit	EuroHit
245	Cello 2	Cello2		299	6th Hit	6thHit
246	Cello 3	Cello3			Brass	
247	Cello 4	Cello4		300	Trumpet	Trumpet
248	Celloen 16'	Celloen		301	Trumpet 2	Trumpet2
249	Chamber Music	Chamber		302	Trumpet 3	Trumpet3
250	Contrabass	Ctrbass		303	Dark Trumpet Soft	DarkTrp
251	Contrabass 2	Ctrbs2		304	Resonant Trumpet	ResoTp
252	Tremolo Strings	TremStr		305	Sweet Trumpet	SweetTp
253	Tremolo Strings 2	TremStr2		306	Wah Trumpet	WahTp
254	Slow Tremolo Strings 1	SlwTrSt1		307	Trombone	Trombone
255	Slow Tremolo Strings 2	SlwTrSt2		308	Trombone 2	Trmbone2
256	Pizzicato Strings	PizzStr		309	Bright Trombone	BritBone
257	Pizzicato Strings 2	PizzStr2		310	Dark Trombone	DrkTrmb
258	Octave Pizzicato	OctoPizz		311	Strings & Trombone	Str&Trb
259	Orchestral Harp	Harp		312	Tuba	Tuba
260	Orchestral Harp 2	Harp2		313	Tuba 2	Tuba2
261	Yang Chin	YangChin		314	Tuba Solo	TubaSolo
262	Africa	Africa		315	Soft Tuba	SoftTuba
263	Timpani	Timpani		316	Muted Trumpet	MuteTpt1
264	Timpani 2	Timpani2		317	Muted Trumpet 2	MuteTpt2
	Ensemble			318	French Horn	FrHorn
265	The Strings	TheStr		319	French Horn 2 (warm)	FrHorn2
266	String Ensembles 1	Strings1		320	French Horn 3	FrHorn3
267	String Ensembles 2	Strings2		321	Stereo French Horn	StFrHorn
268	Synth Strings 1	SynStrs1		322	Horn Orchestra	HrnOrch
269	Synth Strings 2	SynStrs2		323	Brass Section	Brass
270	Synth Strings 3	SynStr3		324	Brass Section 2 (octave mix)	Brass2
271	Synth Strings 4	SynStr4		325	Brass Section 3	Brass3

326	Brass Section 4	Brass4
327	Brass Section 5	Brass5
328	Brass Swell	BrasSwel
329	Brass Band	BrasBand
330	Bright Brass Section	BrBrsSct
331	Dark Brass	DarkBras
332	Mute Brass Ensemble	MuteEns
333	Sforzato Brass	SfrzBras
334	Brass & Strings	Bras&Str
335	Synth Brass 1	SynBras1
336	Synth Brass 2	SynBras2
337	Synth Brass 3	SynBras3
338	Synth Brass 4	SynBras4
339	Analog Synth Brass 1	AnaBras1
340	Analog Synth Brass 2	AnaBras2
341	Jump Brass	JumpBras
342	Octave Synth Brass	SynBraOc
343	Synth Brass & Strings 1	SyBr&St1
344	Synth Brass & Strings 2	SyBr&St2
345	Echo Brass	EchoBrs

	Reed	
346	Soprano Sax	SprnoSax
347	Soprano Sax 2	SprnSax2
348	Soprano Sax Soft	SopSaxSf
349	Slow Soprano Sax	SlSopSax
350	Sweet Soprano Sax	SweSpSax
351	Alto Sax	AltoSax
352	Soft Alto Sax	SoftAlto
353	Super Alto Sax	SuprAlto
354	Sax Band	SaxBand
355	Tenor Sax	TenorSax
356	Tenor Sax 2	TenoSax2
357	Baritone Sax	BariSax
358	Soft Baritone Sax	SoftBari
359	Sweet Oboe	SweOboe
360	Oboe	Oboe
361	Oboe 2	Oboe2
362	English Horn	EngHorn
363	English Horn 2	EngHorn2
364	Analog Horns	AnaHorns
365	Woodwinds	Woodwind
366	Bassoon	Bassoon
367	Bassoon 2	Basson2
368	Clarinet	Clarinet
369	Clarinet 2	Clarint2

	Pipe	
370	Piccolo	Piccolo
371	Flute	Flute
372	Sweet Flute	SweFlute
373	Recorder	Recorder
374	Sweet Pan Flute	SwPanFl
375	Pan Flute	PanFlute
376	Dark Pan Flute	DarPanFu
377	Blown Bottle	Bottle
378	Shakuhachi	Shakhchi

379	Whistle	Whistle
380	Whistle 2	Whistle2
381	Ocarina	Ocarina

	Synth Lead	
382	Lead 1 (square)	SquareLd
383	Square	Square
384	Lead 1b (sine)	SineLead
385	Slow Square Lead	SlwSquLd
386	Sine Solo	SineSolo
387	Square Lead 1	SquarLd1
388	Lead 1a (square 2)	SquarLd2
389	Thick Square	ThickSqu
390	Corrie	Corrie
391	Quint	Quint
392	2 Oscillators Lead	2OscLd
393	Lead 2a (sawtooth 2)	SawLead2
394	Lead 2d (sequenced analog)	SquAnaLd
395	Wavy Sawtooth	WavySaw
396	Lead 2 (sawtooth)	SawLead1
397	Lead 2b (saw + pulse)	SawPlsLd
398	Super Analog	SuperAna
399	Big Lead	BigLead
400	Lead 2c (double sawtooth)	DubSawLd
401	Bauble Lead	BaubleLd
402	PWM 4th	PWM4th
403	Lead 3 (calliope)	CaliopLd
404	Lead 4 (chiff)	ChiffLd
405	Lead 5 (charang)	CharanLd
406	Lead 5a (wire lead)	WireLead
407	Lead 6 (voice)	VoiceLd
408	Lead 7 (fifths)	FifthsLd
409	Fifths Lead Soft	FiftLdSf
410	Fifth Lead	FifLead
411	Lead 8 (bass + lead)	BassLead
412	Massiness	Massin
413	Lead 8a (soft wrl)	SftWrlLd

	Synth Pad	
414	Pad 1 (new age)	NewAgePd
415	Slow Square	SlowSqu
416	New Year Pad	NewYrPd
417	Pad 2 (warm)	WarmPad
418	PWM Pad	PWMPad
419	Pad 2a (sine pad)	SinePad
420	Warmly Pad	WarmlyPd
421	Horn Pad	HornPad
422	Pad 3 (polysynth)	PolySyPd
423	Pad 3 (polysynth) 2	PolySyP2
424	Click Pad	ClickPd
425	Analog Pad	AnaloPad
426	Poly Pad	PolyPad
427	Pad 4 (choir)	ChoirPad
428	Pad 4a (itopia)	ItopiaPd
429	Pad 5 (bowed)	BowedPad
430	Pad 5 (bowed) 2	BowdPad2
431	Pad 6 (metallic)	MetalPad
432	Pad 6 (metallic) 2	MetaPad2

433	Pan Pad	PanPad		484	Breath Noise	BrthNoiz
434	Pad 7 (halo)	HaloPad		485	Flute Key Click	FlKeyClk
435	Pad 7 (halo) 2	HaloPad2		486	Seashore	Seashore
436	Pad 8 (sweep)	SweepPad		487	Rain	Rain
437	Pad 8 (sweep) 2	SweePad2		488	Thunder	Thunder
438	Dipolar Pad	DipolPad		489	Wind	Wind
439	Rising	Rising		490	Stream	Stream
440	Congregate	Congrega		491	Bubble	Bubble
	Synth SFX			492	Bird Tweet	Tweet
441	FX 1 (rain)	FXRain		493	Dog	Dog
442	FX 2 (soundtrack)	Soundtrk		494	Horse Gallop	HouseGlp
443	Progenitor	Progenit		495	Bird Tweet 2	Tweet2
444	FX 3a (synth mallet)	SynMalet		496	Sheep	Sheep
445	FX 3 (crystal)	Crystal		497	Telephone Ring	Telphone
446	FX 4 (atmosphere)	Atmosphr		498	Telephone Ring 2	Telphon2
447	Warm Air	WarmAir		499	Door Creaking	DoorCrek
448	FX 5 (brightness)	Bright		500	Door	Door
449	Smog	Smog		501	Scratch	Scratch
450	FX 6 (goblins)	Goblins		502	Wind Chime	WindChim
451	Choir Bell	ChoirBel		503	Helicopter	Helicptr
452	FX 7 (echoes)	Echoes		504	Car Engine	CarEngin
453	FX 7 (echoes) 2	Echoes2		505	Car Stop	CarStop
454	FX 7a (echo bell)	EchoBell		506	Car Pass	CarPass
455	FX 7a (echo bell) 2	EchoBel2		507	Car Crash	CarCrash
456	FX 7b (echo pan)	EchoPan		508	Siren	Siren
457	FX 8 (sci-fi)	Sci-Fi		509	Train	Train
	Ethnic Misc.			510	Jetplane	Jetplane
458	Sitar	Sitar		511	Starship	Starship
459	Sitar 2 (bend)	Sitar2		512	Burst Noise	BrstNois
460	Banjo	Banjo		513	Applause	Applause
461	Shamisen	Shamisen		514	Laughing	Laughing
462	Koto	Koto		515	Screaming	Scream
463	Taisho Koto	TaishoKt		516	Punch	Punch
464	Kalimba	Kalimba		517	Heart Beat	HeartBet
465	Bag Pipe	Bagpipe		518	Footsteps	Footstep
466	Fiddle	Fiddle		519	Gunshot	Gunshot
467	Shanai	Shanai		520	Machine Gun	MachnGun
	Percussive			521	Lasergun	Lasergun
468	Tinkle Bell	TnklBell		522	Explosion	Explosio
469	Agogo	Agogo			**Combined Voice**	
470	Steel Drums	SteelDrm		523	Stereo Piano & Strings Pad	StPn&Str
471	Woodblock	WoodBlok		524	Stereo Piano & Choir	StPn&Cho
472	Castanets	Castanet		525	Stereo Piano & Synth Strings	StPn&Syn
473	Taiko Drum	TaikoDrm		526	Stereo Piano & Warm Pad	StPn&Pad
474	Concert Bass Drum	ConBasDm		527	Stereo Piano & Soft Ep	StPn&Ep
475	Melodic Tom	MelodTom		528	FM Electric Piano	FM EP
476	Melodic Tom 2 (power)	MeldTom2		529	Digital Piano	DigiPn
477	Synth Drum	SynDrum		530	E.Piano & Strings	EP&Str
478	Rhythm Box Tom	RhythBox		531	E.Piano & Ac Guitar	EP&Gt
479	Electric Drum	ElecDrum		532	E.Piano & Vibraphone	Ep&Vib
480	Reverse Cymbal	RevCymbl		533	E.Piano 2 & Pad	Ep&Pad
	SFX			534	E.Piano 2 & Strings	Ep2&Str
481	Guitar Fret Noise	FretNoiz		535	Harpsichord & Stereo Strings	Harps&St
482	Guitar Cutting Noise	GtCtNoiz		536	Music Box & Stereo Strings	Mxb&Str
483	Acoustic Bass String Slap	BsStSlap		537	Vibraphone & Stereo Strings	Vib&Str

538	Vibraphone Octave	VibOct
539	Vibraphone & Marimba & Kalimba	VibMK
540	Marimba & Kalimba	Mar&Kal
541	Marimba Delay	MarDel
542	Xylophone Octave	XylopOct
543	Organ & Stereo Strings	Org&Str
544	Stereo Organ & Piano	StOr&Pno
545	Rock Organ & Strings	RoOr&Str
546	Church Organ & Choir	ChuOr&Ch
547	Church Organ & Strings	ChuOr&St
548	Acoustic Guitar & Flute	Gt&Fl
549	Acoustic Guitar & Clav	Gt&Cl
550	24 String Guitar	24Gt
551	Steel Guitar & Warm Pad	StGt&Pad
552	Stereo Strings & Horn	StStr&Hn
553	Orchestra	Orchest
554	Full Strings 1	FullStr1
555	Full Strings 2	FullStr2
556	Symphonic	Symphon
557	Stereo Choir & Strings	StCh&Str
558	Stereo Choir & Steel Guitar	Ch&Gt
559	3 Trumpet Loose	3Trump
560	Trombone & Stereo Strings	Tb&StStr
561	3 Trombones Loose	3Tromb
562	3 Muted Trumpets Loose	3MuTrumb
563	Club Brass	ClubBras
564	Brass & Woodwinds	Br&Wood
565	Woodwinds & Strings	Wind&Str
566	Section Woods Small	WoodSma
567	Pan Flute & Strings Pad	PanFu&St
568	Koto & Shamisen	Koto&Sh
Arabic Instruments		
569	Kanoun	Kanoun
570	Aoud	Aoud
571	Bouzouk	Bouzouk
572	Nay	Nay
Drum Set		
573	Mizmar	Mizmar
574	Standard Set	StandSet
575	Room Set	RoomSet
576	Power Set	PowerSet
577	Electronic Set	ElectSet
578	Analog Set	AnalgSet
579	Jazz Set	JazzSet
580	Brush Set	BrushSet
581	Orchestra Set	OrcheSet
582	SFX Set	SFXSet
583	Arabic Set	ArabiSet

Style List

NO.	English Name	LCD Name
	8BEAT	
1	8Beat Piano	8BtPiano
2	8Beat 1	8Beat1
3	8Beat Shuffle	8BtShufl
4	Guitar Pop 1	GtPop1
5	8Beat Hip Hop	8BtHiHop
6	8Beat R&B	8BeatR&B
7	8Beat Pop	8BtPop
8	Pop Funk 1	PopFunk1
9	Rhythm & Beat 1	Rhy&Bt1
10	8Beat Disco 1	8BtDisc1
11	8Beat Rock	8BtRock
12	Guitar Pop 2	GtPop2
13	8Beat 2	8Beat2
14	Sweet Beat	SweetBt
15	8Beat Dance	8BtDance
16	8Beat Disco 2	8BtDisc2
17	Pop Funk 2	PopFunk2
18	8Beat 3	8Beat3
19	60's 8Beat	60's8Bt
20	Rhythm & Beat 2	Rhy&Bt2
	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	16BDanc
28	Pop 16Beat 2	Pop16Bt2
29	16Beat 2	16Beat2
30	Pop 16Beat 3	Pop16Bt3
31	Pop 16Beat 4	Pop16Bt4
32	Modern 16Beat	Modrn16B
33	16Beat Hot	16BtHot
34	16Beat Modern	16BModr
35	16Beat Funk 3	16BtFuk3
36	16Beat 3	16Beat3
37	Cool Beat	CoolBeat
38	16Beat Ballad 2	16BtBld2
39	16Beat 4	16Beat4
40	Pop Shuffle	PopShufl
	POP	
41	Pop Rock 1	PopRock1
42	Pop Dance 1	PopDanc1
43	Pop Fusion	PopFusn
44	Analog Night 1	AnalgNt1
45	6/8 Pop	6/8Pop
46	Brit. Pop 1	BritPop1
47	Brit. Pop 2	BritPop2
48	Pop Hit	PopHit
49	Fusion Shuffle	FusShufl
50	Analog Night 2	AnalgNt2
51	Guitar Pop 3	GtPop3

52	Pop Beat	PopBeat
53	Soft Beat	SoftBeat
54	60's Pop	60'sPop
55	Sting Latin	StigLatn
	BALLAD	
56	R&B Ballad 1	R&BBad1
57	Guitar Ballad	GtBallad
58	Ballad Rcok	BalladRk
59	Piano Pop	PianoPop
60	Soft Ballad	SoftBald
61	Natural Ballad	NatuBld
62	Love Ballad	LoveBld
63	Easy Ballad	EasyBld
64	Miami Ballad	MiamiBld
65	Slow Ballad	SlowBald
66	Folk Ballad	FolkBld
67	Pop Ballad 1	PopBld1
68	Pop Ballad 2	PopBld2
69	EP Ballad	EPBallad
70	New R&B Ballad	NewRBBld
	ROCK	
71	Rock	Rock
72	New Wave	NewWave
73	Ska	Ska
74	Pop Rock 2	PopRock2
75	Slow Rock	SlowRock
76	70's Rock & Roll	70'sRock
77	Folk Rock	FolkRock
78	Soft Rock	SoftRock
79	Old Rock	OldRock
80	Easy Rock	EasyRock
81	New Shuffle	NewShufl
82	Rock Hip Hop	RkHipHop
83	Rock&Roll 1	R'N'R1
84	Rock Shuffle	RockShfl
85	Rock & Roll 2	R'N'R2
	BALLROOM	
86	Tango 1	Tango1
87	Spain Matador	Matador
88	Twist 1	Twist1
89	Twist 2	Twist2
90	Big Band Fox	BandFox
91	Tango 2	Tango2
92	Slow Fox	SlowFox
93	Slow Waltz 1	SlowWlz1
94	Swing Fox	SwingFox
95	Salsa 1	Salsa1
96	Cha Cha 1	ChaCha1
97	Cha Cha 2	ChaCha2
98	Beguine 1	Beguine1
99	Beguine 2	Beguine2
100	Rumba 1	Rumba1
101	Samba 1	Samba1
102	Samba 2	Samba2
103	Jive	Jive

104	Fox Trot	FoxTrot
	DANCE	
105	Techno 1	Techno1
106	Hip Hop 1	HipHop1
107	Dream Dance	DrmDance
108	House	House
109	Pop Dance 2	PopDanc2
110	Down Beat	DownBeat
111	Techno 2	Techno2
112	Progressive	Progress
113	Rap 1	Rap1
114	Rap 2	Rap2
115	Disco	Disco
116	Soft Disco	SoftDisc
117	Disco Party	DscParty
118	70's Disco	70'sDisc
119	70's Disco Funk	70'sFunk
120	Club Dance	ClubDanc
121	Euro Dance	EuroDanc
122	Hip Hop 2	HipHop2
123	Garage	Garage
	SOUL & FUNK	
124	Funk 1	Funk1
125	Classic Funk	ClasFunk
126	Jay R&B	JayR&B
127	Gospel Swing	GopSwing
128	Gospel	Gospel
129	Funk 2	Funk2
130	Electric Funk	ElecFunk
131	Groove Funk	GrooveFk
132	Rubber Funk	RubberFk
133	Cool Funky	ColFunky
134	Jazz Funk	JazzFunk
135	Groove	Groove
136	Soul	Soul
137	Hip Hop Soul	HipHopSl
138	Hip Hop Beat	HipHopBt
139	R&B	R&B
140	Soul Beat	SoulBeat
141	R&B Ballad 2	R&BBld2
142	British Soul Pop	BritSoul
	SWING & JAZZ	
143	Latin Jazz 1	LatinJz1
144	Big Band	BigBand
145	Dixieland 1	Dixland1
146	Guitar Swing 1	GtSwing1
147	Broadway Big Band	BwayBand
148	Swing	Swing
149	Latin Jazz 2	LatinJz2
150	Fusion	Fusion
151	Acid Jazz	AcidJazz
152	Cool Jazz Ballad	CoolJzBd
153	Swing Shuffle	SwingSfl
154	Big Band Medium	BandMid
155	Dixieland 2	Dixland2

156	Acoustic Jazz	AcoustJz
157	Guitar Swing 2	GtSwing2
158	Ragtime	Ragtime
159	Modern Jazz Ballad	MdJzBald
160	Swing Ballad	SwingBal
161	Orchestra Swing	OrhSwing
COUNTRY		
162	Country Pop 1	CntyPop1
163	Bluegrass 1	Bluegrs1
164	Country 8Beat	Ct8Beat
165	Modern Country	ModernCt
166	Country Pop 2	CntyPop2
167	Bluegrass 2	Bluegrs2
168	2/4 Country	2/4Cntry
169	Country Quick Steps	QuickStp
170	Country Folk	CntyFolk
171	Country Shuffle	CnyShufl
LATIN		
172	Samba 3	Samba3
173	Bossa Nova	BosaNov
174	Latin	Latin
175	New Reggae	NewRegga
176	Dance Reggae	DanRegga
177	Pasodoble	Pasodobl
178	Lite Bossa	LteBossa
179	Latin Rock	LatinRck
180	Beguine 3	Beguine3
181	Slow Bolero	SlBolero
182	Disco Samba	DscSamba
183	Mambo	Mambo
184	Meneito	Meneito
185	Rumba 2	Rumba2
186	Rumba 3	Rumba3
187	Tikitikita	Tikitkta
188	Lambada	Lambada
189	Pop Cha Cha 1	PChaCha1
190	Pop Cha Cha 2	PChaCha2
191	Salsa 2	Salsa2
WALTZ		
192	Waltz	Waltz
193	Old Waltz	OldWaltz
194	English Waltz	EngWaltz
195	German Waltz	GemWaltz
196	Italian Mazurka	ItaMazuk
197	Mexico Waltz	MexWaltz
198	ViennaWaltz	VinaWtz
199	Slow Waltz 2	SlwWltz2
200	Jazz Waltz	JzWaltz
TRADITIONAL		
201	Polka	Polka
202	6/8 March	6/8March
203	German Polka	GerPolka
204	Party Polka	PtyPolka
205	Army March	ArmMarch

206	March	March
207	US March	USMarch
208	Musette	Musette
209	French Musette	FMusette
210	Mazurke	Mazurke
WORLD		
211	Enka Ballad	EnkaBald
212	Laendler	Laendler
213	Hawaiian	Hawaiian
214	Sirtake	Sirtake
215	Dangdut	Dangdut
216	6/8 Flipper	6/8Flipp
217	New Age	NewAge
218	Tarantella	Tarantel
219	Scottish	Scottish
220	Norteno	Norteno
ORIENTAL		
221	Zarb 6/8	Zarb 6/8
222	Zarb Tempo	ZarbTemp
223	Bandary	Bandary
224	Zarb Daf	Zarb Daf
225	Pop 4/4	Pop 4/4
226	Saidi IR	Saidi IR
227	Cifte	Cifte
228	Baladi	Baladi
229	Masmoudi	Masmoudi
230	Wehda	Wehda

Song List

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

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

99	Minuet In G	MinuetG
100	Turkish March	TurkishM
101	Hey Diddle Diddle	HeDiddle
102	Italian Polka	ItaPolka
103	Moseta Dance	MosetaDn
104	Bulie Dance	BulieDn
105	Fantasia	Fantasia
106	Wild Rose	WildRose
107	Away In A Manger	AwayInAM
108	Jack & Jill	JackJill
109	Angles We Have Heard On High	Angles
110	Waltz	Waltz
111	Did You Ever See A Lassie	Lassie
112	Chopsticks	Chopstik
113	Four Little Swans	FLSwans
114	Old France	OldFranc
115	Jesus Saviour Pilot Me	PilotMe
116	Eclogue	Eclogue
117	Santa Claus Is Coming To Town	SantaCT
118	Brave Cavalier	Cavalier
119	America The Beautiful	USFair
120	Music Box Dancer	Dancer

Demo List		
NO.	English Name	LCD Name
1	Dancing Melody	DanceMld
2	Mystic River	MystRivr
3	Dream Of Freedom	Dream
4	Jazz	Jazz
5	Fusion	Fusion

Chord List

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

MIDI Implementation Chart

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

- Mode 1 : OMNI ON, POLY
- Mode 2 : OMNI ON MONO
- Mode 3 : OMNI OFF, POLY
- Mode 4 : OMNI OFF, MONO

× : NO
○ : YES

KURZWEIL