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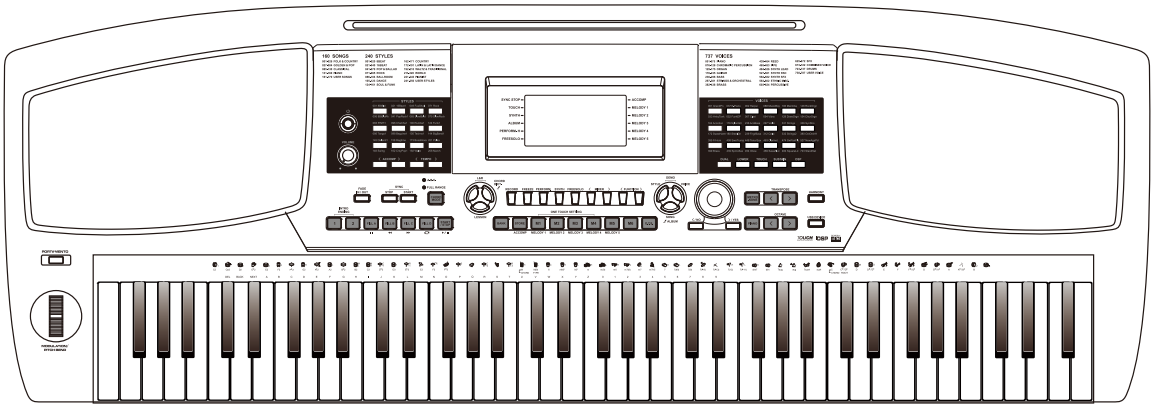
ELECTRONIC KEYBOARD

Owner's Manual



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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.

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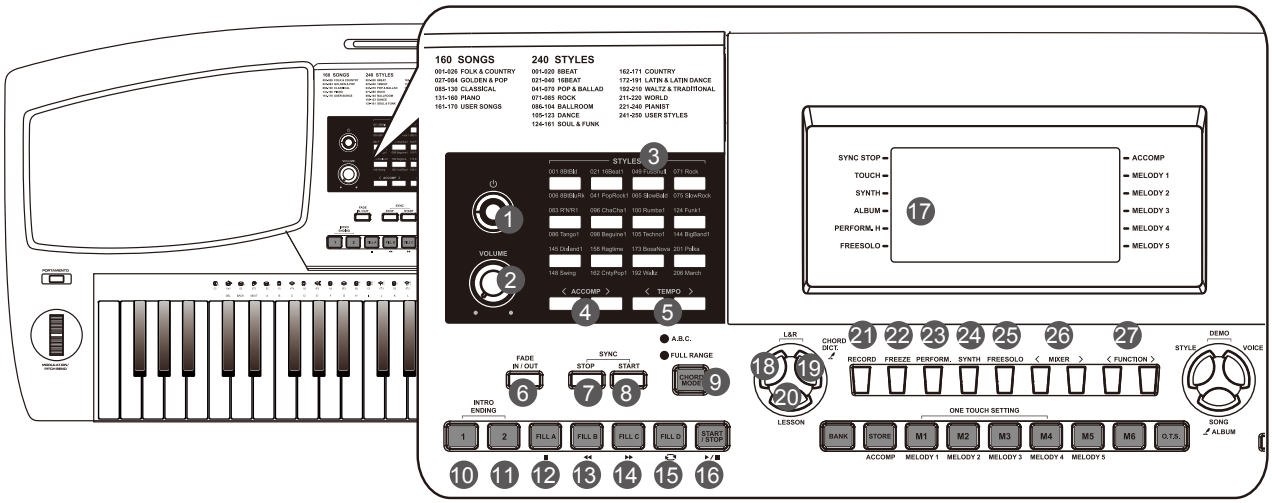
Panel & Display Description

Front Panel



1. POWER Button
Turn the power on and off.

2. VOLUME Knob
Adjust the master volume.

3. STYLE SELECT Button
Directly set a preset style.

4. ACCOMP +/- Buttons
Press to adjust the Accompaniment volume.

5. TEMPO+/- Buttons
Press to edit the tempo value.

6. FADE IN/OUT Button
Press it to turn the Fade In or Fade Out on.

7. SYNC STOP Button
Press it to turn the Sync Stop function on and off.

8. SYNC START Button
Press it to turn the Sync Start function on and off.

9. CHORD MODE Button
Press it to enter Chord mode.

10. INTRO1/ENDING1 Button
Play the Intro or Ending pattern 1.

11. INTRO2/ENDING2 Button
Play the Intro or Ending pattern 2.

STYLE MODE:

12. FILL A Button
Play the Fill-in pattern A.

13. FILL B Button
Play the Fill-in pattern B.

14. FILL C Button
Play the Fill-in pattern C.

15. FILL D Button
Play the Fill-in pattern D.

16. START/STOP Button
Start or stop playing a style.

SONG MODE:

12. PAUSE Button
Pause or continue song playback.

13. REW Button
Rewind the song playback.

14. FF Button
Fast forward the song playback.

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

16. START/STOP Button
Start or stop playing a song.

17. LCD Display
Show all the important settings for the current operation.

18. L Button
Choose to practice the left hand part in Lesson Mode.

19. R Button
Choose to practice the right hand part in Lesson Mode.
CHORD DICT. Button
Hold the button to enter the Chord Dictionary.

20. LESSON Button
Press it to enter Lesson mode.

21. RECORD Button
Press it to enter Recording mode.

22. FREEZE Button
Press it to turn the Freeze function on or off.

23. PERFORM. Button
Press it to turn the Performance Assistant function on and off.

24. SYNTH Button
Press it to enter the Synth menu.

25. FREESOLO Button
Press it to turn the FreeSolo function on and off.

26. MIXER+/- Buttons
Press to enter the Mixer menu.

27. FUNCTION+/- Buttons
Press to enter the Function menu.

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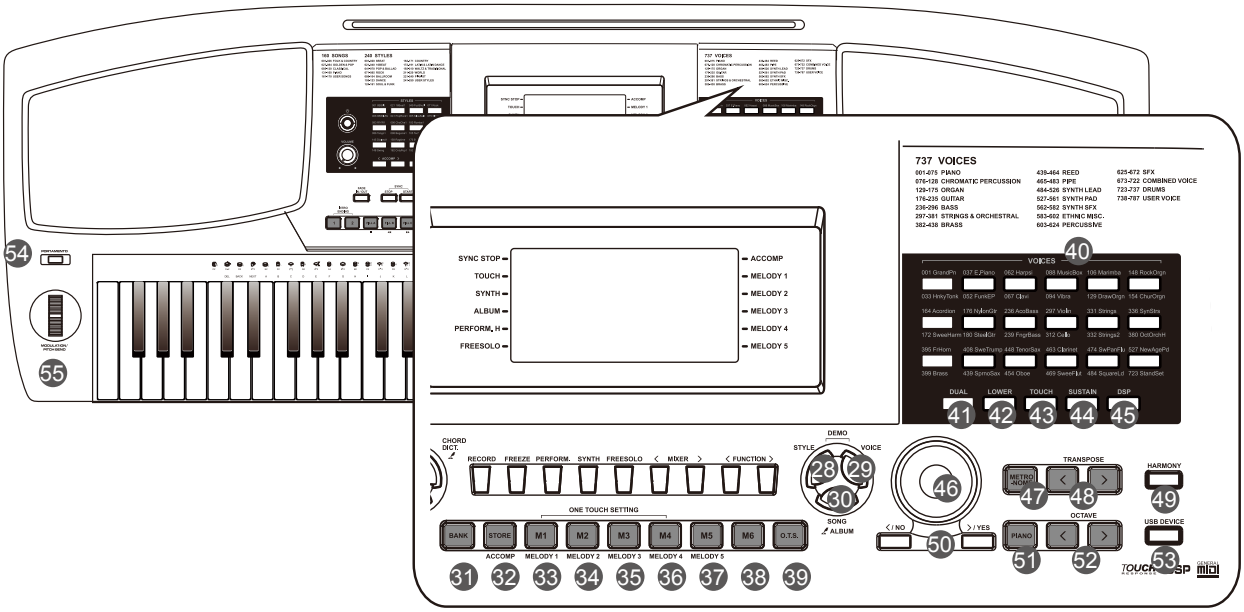

28. STYLE Button
Press to enter Style Mode.

29. VOICE Button
Press it to enter Voice Mode.
Press STYLE Button and VOICE Button at the same time to enter Demo Mode.

30. SONG Button
Press it to enter Song Mode.
ALBUM Button
Hold it to turn on the Album function.

31. BANK Button
Press it to select a bank.

32. STORE Button
Save current panel settings to one of the memories.
Press [STORE] and [M1] together to save the settings to M1.
ACCOMP Button
In Record mode, press it to select the accompaniment track for recording.

33~38. M1-M6 Buttons
In Memory mode, recall panel settings from one of the memories.
M1-M4 Buttons
In O.T.S. mode, recall voice settings that match the current style.
MELODY 1-MELODY 5 Buttons
In Record mode, select the melody 1-5 track for recording.

39. O.T.S. Button
Press it to turn the One Touch Setting function on or off.

40. VOICE SELECT Buttons
Directly set a preset voice.

41. DUAL Button
Press it to turn the Dual function on and off.

42. LOWER Button
Press it to turn the Lower function on and off.

43. TOUCH Button
Press it to edit the Touch Response setting.

44. SUSTAIN Button
Press it to turn the sustain function on and off.

45. DSP Button
Press it to turn the DSP effect on and off.

46. DATA DIAL
Adjust the parameters.

47. METRONOME Button
Press it to turn the metronome on and off.

48. TRANSPOSE +/- Buttons
Press to edit the transpose value.

49. HARMONY Button
Press it to turn the harmony effect on and off.

50. +/YES, -/NO Buttons
Adjust the parameters.

51. PIANO Button
Press it to turn the Piano Mode on and off.

52. OCTAVE+/- Buttons
Press to edit the octave value.

53. USB DEVICE Button
Press it to enter USB Device mode.

54. PORTAMENTO Button
Press and hold it when playing the keyboard to apply portamento effect to the notes.

55. PITCH BEND/MODULATION
Bend notes left or right (pitch bend). Apply a vibrato effect (modulation).

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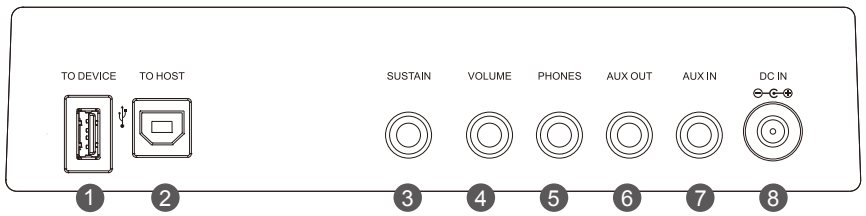
Panel & Display Description

Rear Panel



1. USB TO DEVICE
Connect a USB flash drive.

2. USB TO HOST
Connect to a computer.

3. SUSTAIN Jack
Connect a sustain pedal.

4. VOLUME Jack
Connect a volume pedal.

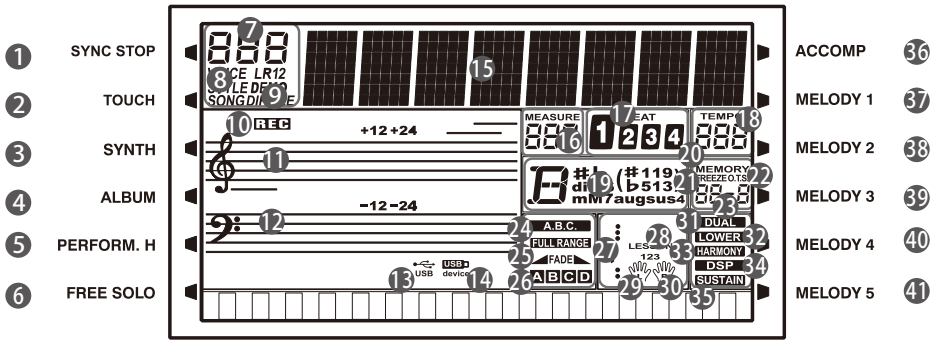
5. PHONES Jack
Connect a pair of stereo headphones.

6. AUX OUT Jack
Connect an audio equipment.

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

8. DC IN Jack
Connect the specified power adaptor.

LCD Display



1. SYNC STOP
2. TOUCH
3. SYNTH
4. ALBUM
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./FULL RANGE
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. MELODY 1-5

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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

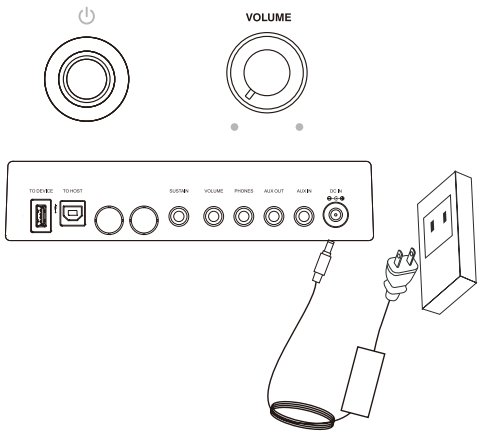
1. Make sure that the piano is turned off. Before you switch your piano on or off, turn down the volume of piano and any connected audio equipments first.

2. Connect the AC adaptor to the DC IN jack on the rear panel.

3. Plug the AC adaptor into an AC outlet.

4. Press the [POWER] switch. The LCD will light up, indicating the instrument is powered on.

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



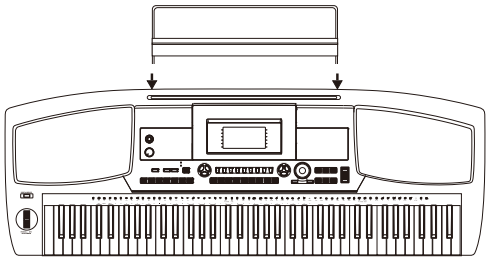
Notes:

1. In order to save energy, the instrument will automatically shut down in 30 minutes when not in use. (Please refer to Auto Power Off).

2. For your safety, please unplug the instrument when it is not in use or during a thunderstorm.

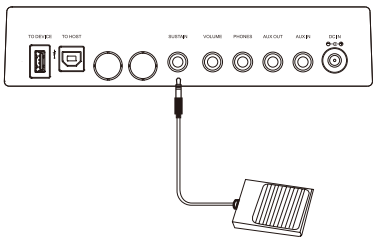
Setting a Music Stand

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.



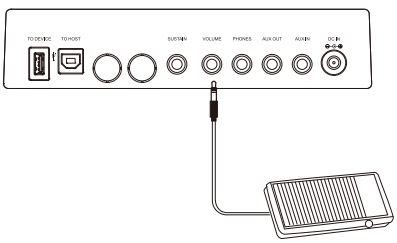
Connecting a Sustain Pedal

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.



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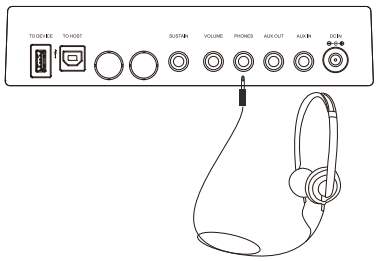
Connections

Connecting a pair of Headphones

Plug a pair of standard stereo headphones into the PHONES jack for private practice or late-night playing. When headphones are connected, the internal speakers will be muted, and the sound can only be heard from the headphones.

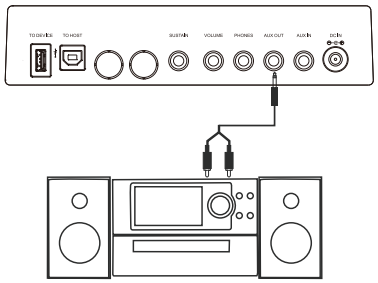


Note:

Do not use headphones at high volume for long periods of time. Doing so may cause hearing loss.

Connecting an Audio Equipment

The AUX OUT jack delivers the output of the instrument to external audio equipment such as a keyboard amplifier, stereo sound system, mixing console, or recording interface. Use an audio cable to connect the AUX OUT jack of the instrument to the INPUT jack of the external audio equipment.

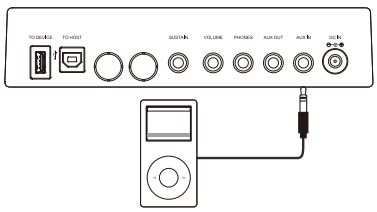


Note:

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

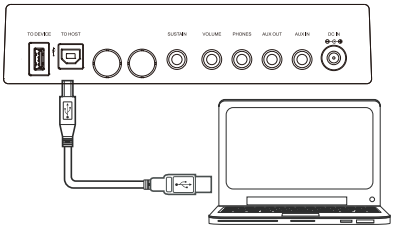
Connecting an MP3/CD Player

The AUX IN jack receives audio signals from an external audio source such as an MP3 or a CD player. Use an audio cable to connect the AUX IN jack of the instrument to the OUTPUT jack of an MP3/CD player. The instrument's speakers will play the music transmitted from the external player, and you can play along.



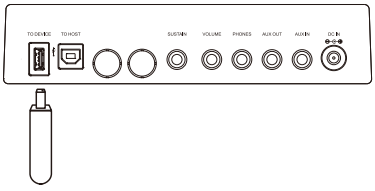
Connecting a Computer

Use a standard USB cable to connect the USB jack of the instrument to the USB port of a computer. With USB, you can save a keyboard performance to the computer or use the instrument to play back music played on the computer.



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 errors or damaging the USB flash drive, do not remove it when reading or writing is in progress

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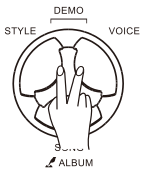
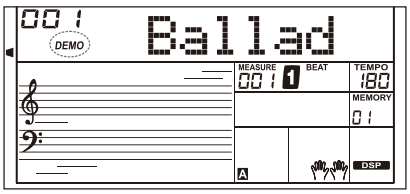
Playing the Demos

The instrument features several professional demos. Please refer to DEMO LIST.



1. Press the [STYLE] and [VOICE] buttons at the same time 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.



3. Rotate the [VOLUME] knob to set the desired volume level.

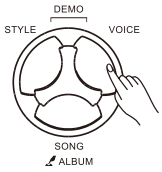
4. Press the [STYLE] and [VOICE] buttons simultaneously again or press the [START/STOP] button to stop playing and exit Demo mode.

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

Playing Voices

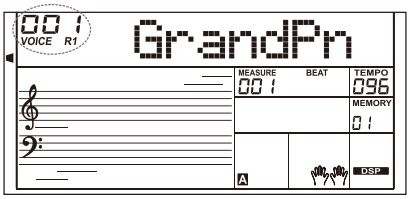
The keyboard has a variety of remarkably realistic built-in voices. Please refer to Voice List.

Playing Voices



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

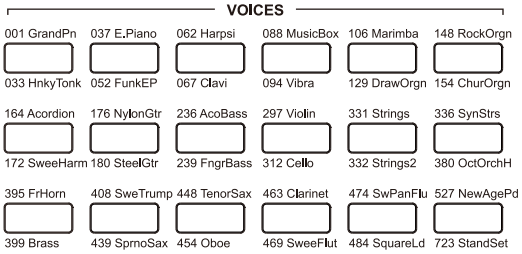
2. Select a voice.
Use the data dial, the [+/YES] button, the [-/NO] button to select the voice you want to play. You can also use the Voice Select buttons to select a preset voice.



3. Play the voice.
Play the keyboard to use the selected voice for performance.

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

In voice selection, if you have selected the upper voice of a Voice button, pressing another button will directly select its upper voice. In the same way, if you have selected a lower voice, pressing another button will select its lower voice.



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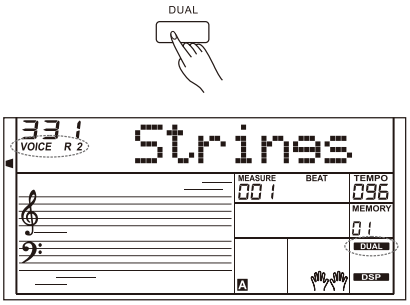
Playing Voices

Playing Two Voices Simultaneously



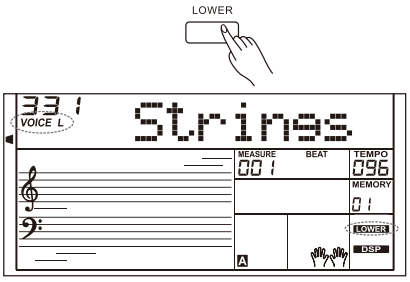
1. Press the [DUAL] button.
It turns on the Dual function. “VOICE R2” and “DUAL” light up on display. LCD shows the current dual voice number and name.

2. Selecting a voice for VOICE R2.
Use the data dial, [+/YES] and [-/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 playing 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

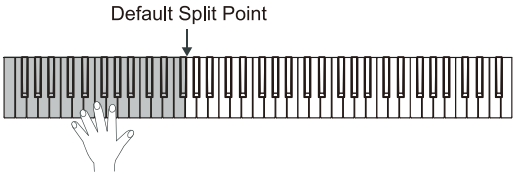


1. Press the [LOWER] button.
It turns on the Lower function. The keyboard is split into the left and right areas, each with a different voice. “VOICE L” and “LOWER” light up on display. LCD shows the current lower voice number and name.

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

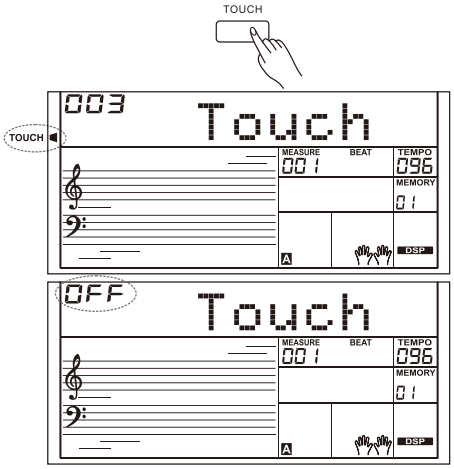
3. Play the voices.
Play the keyboard with both hands, and you will hear two different voices from the left and right hand areas.

Split Point
The key that splits the keyboard into the left and right hand areas is called “Split Point”. The default lower split is F#3, however, you can assign it to any other key. Please refer to the Other Function for details.



Touch

The touch response feature allows you to expressively control the voice level based on your playing dynamics, just as on an acoustic instrument.



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.
If the value is set to OFF, that means no touch response to keyboard.

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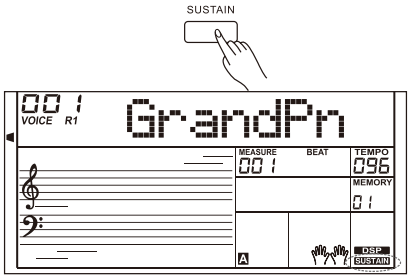
Sustain

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 more strong and natural sustain effect than by using the [SUSTAIN] button.



Portamento

Press and hold the [PORTAMENTO] button, then play the keyboard to apply a portamento effect to the notes you play.

Release the [PORTAMENTO] button to exit portamento mode.

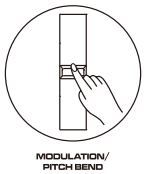
Pitch Bend

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

Roll the wheel toward left or right to add pitch bending effect to your performance. It will increase the pitch when rolling right, and decrease the pitch when rolling left. The range of pitch change is 2 semitones.

Note:

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



Modulation

Roll the wheel up and down to apply a vibrato effect to the notes you play. It will enhance the effect when rolling up or down, and have no effect when the wheel is in center place.

Note:

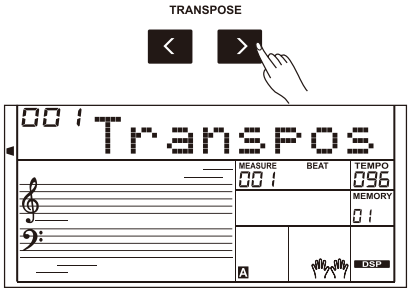
The modulation effect is important when playing string instrument like guitar and violin. The modulation effect makes the voice more realistic.

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 -] to edit the transpose value from -12 to +12 semitones.

2. Press [TRANSPOSE +] and [TRANSPOSE -] or press [+/YES] and [-/NO] at the same time to reset the value to default.



Octave

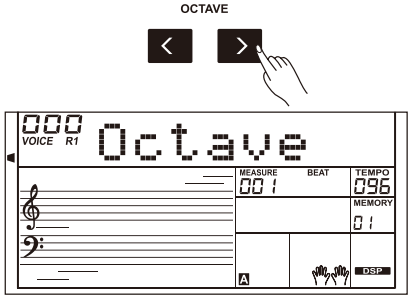
The Octave function will shift the pitch up or down by 2 octaves for voice R1, R2 and L respectively.

1. Press [OCTAVE +] or [OCTAVE -] to change the octave value over the range of -2 to +2.

2. Press [OCTAVE +] and [OCTAVE -] or press [+/YES] and[-/NO] at the same time to reset the value to default.

Note:

After adjusting the octave, notes in the highest and lowest keyboard range may not sound normally. This is normal.



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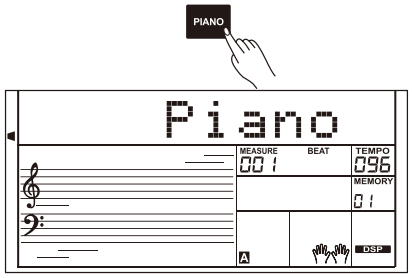
Piano Mode

Piano Mode is specially designed for piano players. It recreates the voice and touch of a real acoustic piano. By pressing the [PIANO] button, the instrument replicates a concert grand voice. All parameters become optimized for concert piano performance

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

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



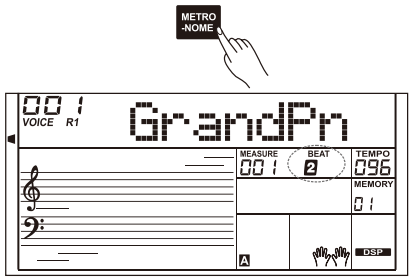
Metronome

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

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

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

3. To set the metronome beat, please refer to Other Functions for details.



Notes:

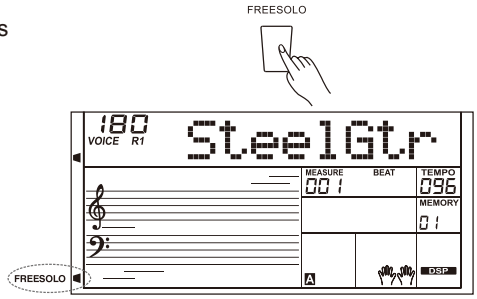
1. If you turn on the metronome during style playback, the metronome sound will start from the next beat and its time signature will match the current style.

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.

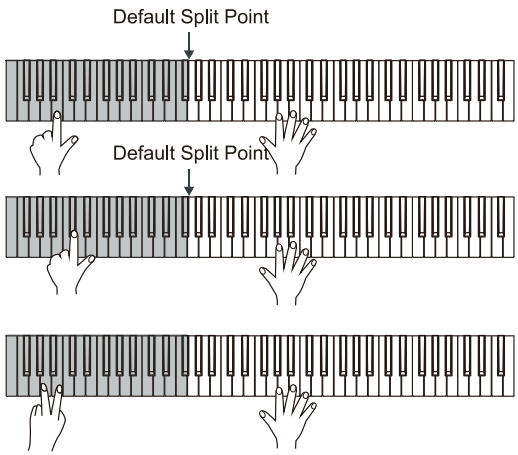
1. Turn on the FreeSolo function.
Press the [FreeSolo] button to turn on the function, “FREESOLO” lights up on display.
It will automatically disable the A.B.C. function, the Dual and Lower function.



2. Select a voice to play.
Use the data dial or the [+/Yes]/[-/No] buttons 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 to exit the mode. The “FREESOLO” indicator lights off.

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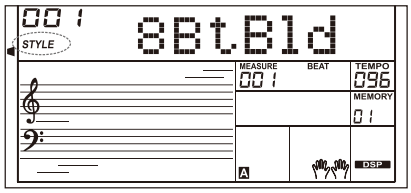
The auto accompaniment feature puts a full backing band at your fingertips. All you have to do is play the chords with your left hand , and the accompaniment will automatically play along, instantly following the chords you play. With auto accompaniment, even a solo performer can enjoy playing with the backing of entire band or orchestra. The instrument features a variety of styles. Please refer to the *Style List* for details.

Playing Auto Accompaniment (rhythm track only)

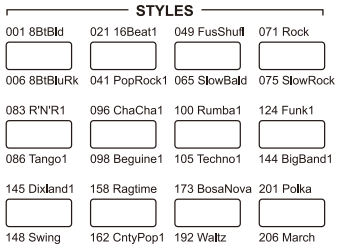
1. Press the [STYLE] button.
Enter the STYLE mode. “STYLE” lights up on display. LCD shows the current style number and name.



2. Select a style.
Use the data dial, the [+/YES] button, the [-/NO] button to select a style. You can also use the Style Select buttons to select a style.

3. Press the [START/STOP] button to start playing the rhythm tracks.

Note:
Each Style select button has two preset styles. Press it repeatedly to shift between the upper and lower preset style.
In style selection, if you have selected the upper style of a Style button, pressing another button will directly select its upper style. In the same way, if you have selected a lower style, pressing another button will select its lower style.

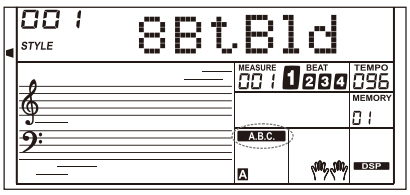


Playing Auto Accompaniment (all tracks)

1. Press the [STYLE] button.

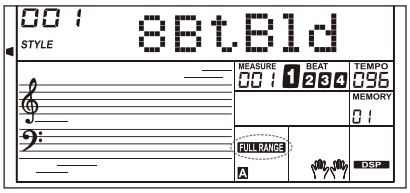
2. Select a style.

3. Press the [CHORD MODE] 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.
Press [CHORD MODE] button again to enter “full range” mode. The “FULL RANGE” indicator appears. You can play Multi Finger chords over the entire keyboard range.



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 rhythm playback. 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

Specially created variation patterns can be added into the accompaniment, making your performance more professional and personalized.

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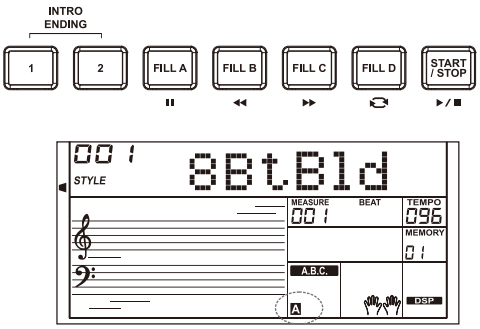
INTRO Section
The intro is an opening section of the song.
When the intro pattern finished, the system will automatically shift to the main section.

MAIN Section
The Main is the principal section of a song. It will play and repeat the Main pattern until another section's button is pressed.

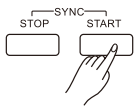
FILL IN Section
Auto fill in function automatically adds a fill to your performance. When the fill-in is finished,accompaniment shifts to the Main section.

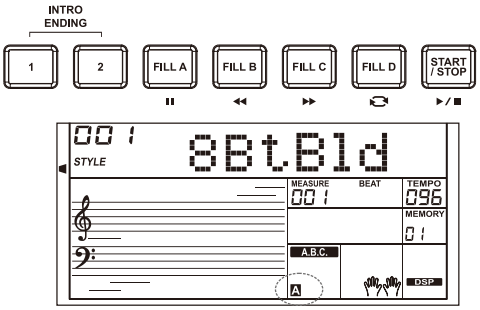
ENDING Section
Ending is used for the ending of the song. When the ending is finished, accompaniment automatically stops.The length of the ending differs depending on the selected style.



Playing Different Accompaniment Sections

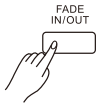
1. Press the [STYLE] button.
2. Select a style.
3. Turn the A.B.C. on.
4. Turn SYNC START on.
5. Press the [FILL A] button.
6. Press the [INTRO/ENDING] button.Now the A flashes on LCD, the style is ready to play.
7. It will start the accompaniment as soon as you start playing in Chord section.When the 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.



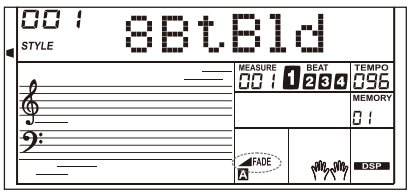


Note:
During style playback, if you press and hold one of the FILL [A]-[D] buttons, the fill-in pattern will repeat until the button is released.
When style stops, press one of the FILL [A]-[D] buttons to select a MAIN section. The “A, B, C or D” indicator will appear on LCD.

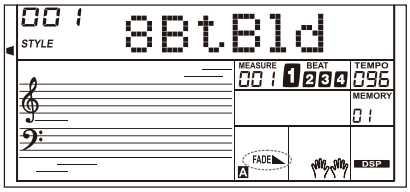
Fade In/Out



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 IN/OUT] button to turn on the fade-in function.



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 IN/OUT] button to turn on the fade-out function.



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

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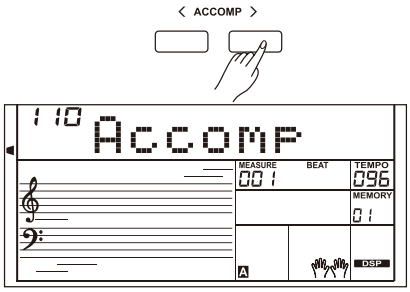
Accompaniment Volume

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

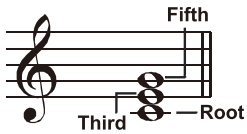
2. Press [ACCOMP +] and [ACCOMP-] button simultaneously to turn off ACCOMP volume.

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



Chord Basics

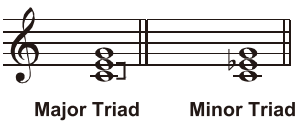
A chord, in music, is a harmonic set of three or more notes that are heard simultaneously. The most common type of chord is a triad. A triad is a set of three notes that can be stacked in thirds. When arranged this way, the triad's notes, from lowest pitched to highest, are called: the Root, the Third, and the Fifth.

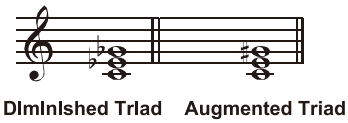


Triad Type

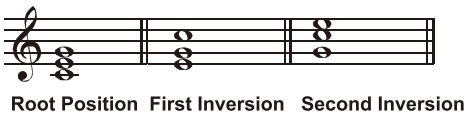
The basic triad types are as follows:

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

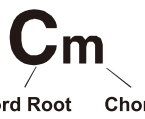




Chord Inversion

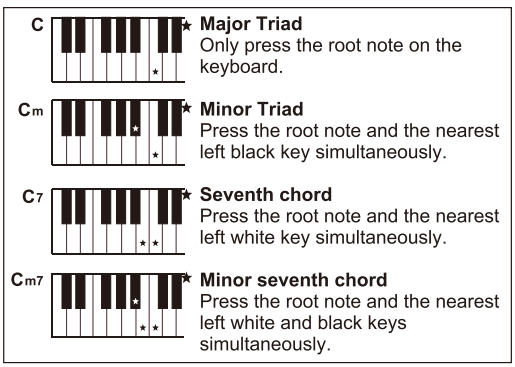
When a chord’s root is not the lowest note in the triad, it is called an inversion chord. When the root note is the lowest note, it is called a root-position chord. If we put the Third and Fifth in the root position, it forms an “Inversion”, so it is called an “Inverted Chord”. A major triad and its inversion are illustrated on the right.

Chord Name

The chord name consists of two parts: Chord root and Chord type.



Single Finger

Single-finger makes it easy to produce major, seventh, minor and minor seventh chords by pressing a minimum number of keys on the auto accompaniment section.



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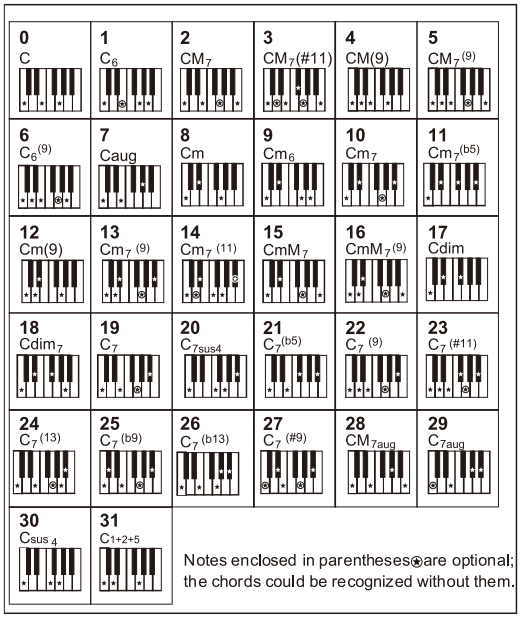
Auto Accompaniment

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

Full Range
In Full Range mode, it detects chords played in normal fingering (Multi-finger) over the entire keyboard range.

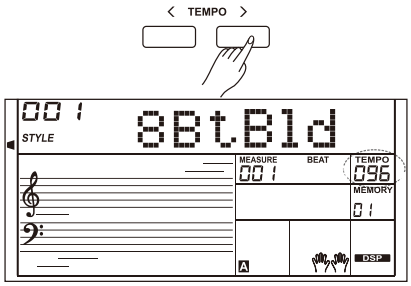


Tempo

Each style is preset with a default or standard tempo, but you can change it as needed.

1. Change the tempo.
Press the [TEMPO+]/[TEMPO-] buttons to edit the tempo setting. When the tempo value is flashing on LCD, use the data dial to make a quick change in the value.

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



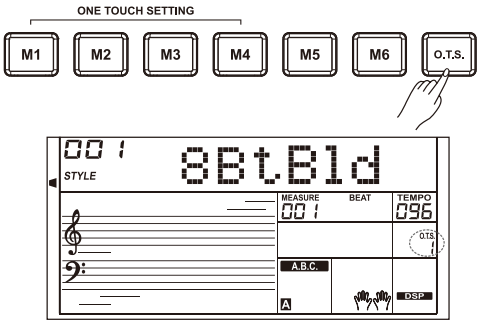
One Touch Setting

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

1. Press the [O.T.S.] button to turns on the function. The “O.T.S.” indicator lights up and the A.B.C. function will be turned on.

2. Press one of the [M1] - [M4] buttons. Various panel settings (including voice and effects) that match the current style will be recalled instantly.

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)

Note:
In O.T.S. mode, the Registration Memory is not available.

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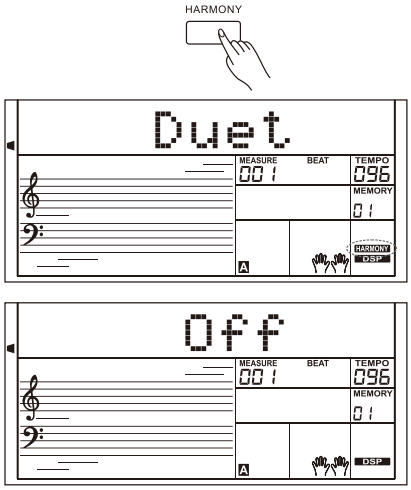
Harmony

The Harmony function will automatically add harmony effect to the notes you play in the right hand area, 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. When you play in the right hand area, it will add harmony effect to the notes you play.

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:
The harmony types of 1+5, Octave 1~2, Echo 1~4, Tremolo 1~4 and Trill 1~4 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.

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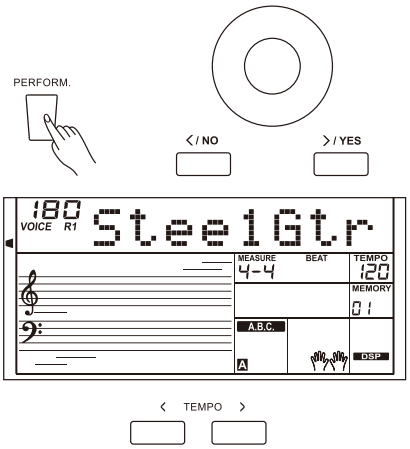
Performance Assistant

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



1. Press the [PERFROM.] button to turn on the function. It enters the Guitar Mode and LCD shows the Guitar voice name and number.

2. Use the data dial to switch between the Guitar voice and the Piano voice.

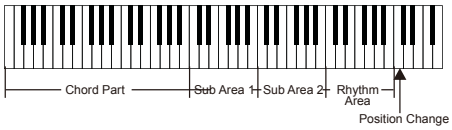
3. The default time signature is “4-4”. You can use the [+/YES] or [-/NO] button to change the time signature over the range: 2-4, 3-4, 4-4 and 6-8.

4. Use the [TEMPO+] / [TEMPO-] to adjust the tempo value.

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.

Guitar Key map



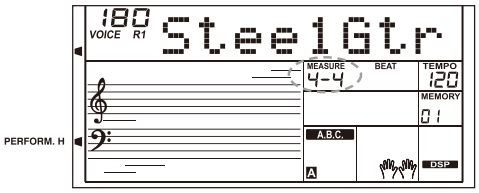
Chord part
E1 to B3 is the chord part area. Play a chord in this area.

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.

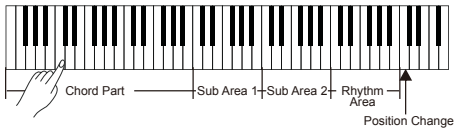
Rhythm Area
C6 to G6 (only white keys) is the rhythm area. Wonderful styles and strums are provided in this area. Use A6 to B6 to play an ending.

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

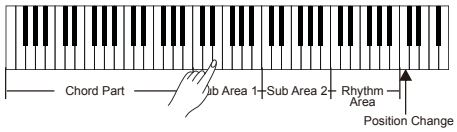


Playing in Guitar Mode

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.



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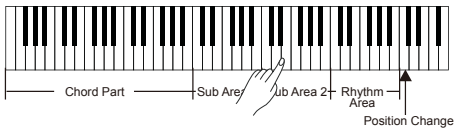
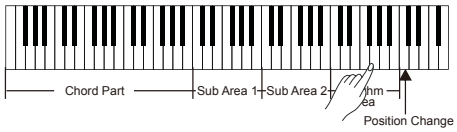
Play a free solo in the sub area 2.
When the chord type is on display, press the white keys in the sub area 2 you can play guitar free solo, like you're playing a real one. Try playing different chords with your left hand, and play your free solo. The last white key B5 is invalid.

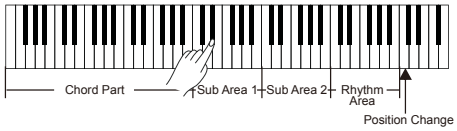


Play a strum rhythm in the rhythm area.
When the chord type is on display, press a white key in the rhythm area you can play the magic strum rhythm. Try playing different chords with your left hand, and play your strums.

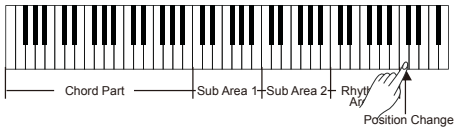


End the guitar performing.
Press the A6 or B6 to end your guitar performance. When the ending is finished, the phrase stops automatically.

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.



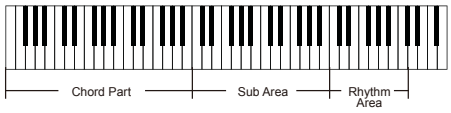
Change the position
Press the C7, the PERFORM.H icon will be lit on the LCD. It means that the guitar position has been changed to the High position. Try playing the white keys in sub area 1, Sub area 2 and Rhythm area, listen to the phrase you are performing now.



Piano Mode

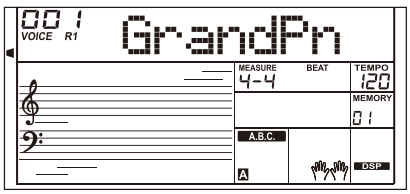
Piano Key Map
The Piano Mode allows you to perform the piano voice just like playing an acoustic instrument. In this mode you can use such piano phrases as piano rhythm (5), broken chord (5) and also 3 endings. The piano key map is similar to the guitar key map. Press A6 to C7 to play the ending. All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

Piano Key map



Playing in Piano Mode

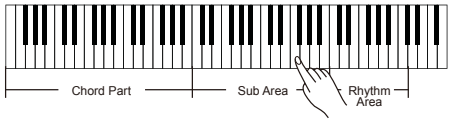
1. Select Piano Mode.
In performance assistant mode, use data dial to select Piano Mode.



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], [PERFORM.] to exit the Performance Assistant mode.

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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 "SYNTH" indicator lights 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 “UserV.01” and the user voice number. Use the data dial to select a voice number you want.

2. Press [+/YES] button to enter the next menu. Then use the data dial to select “Voc_Edit” or “Delete”. Press [+/YES] to go forward or press [-/NO] to return to the previous menu.

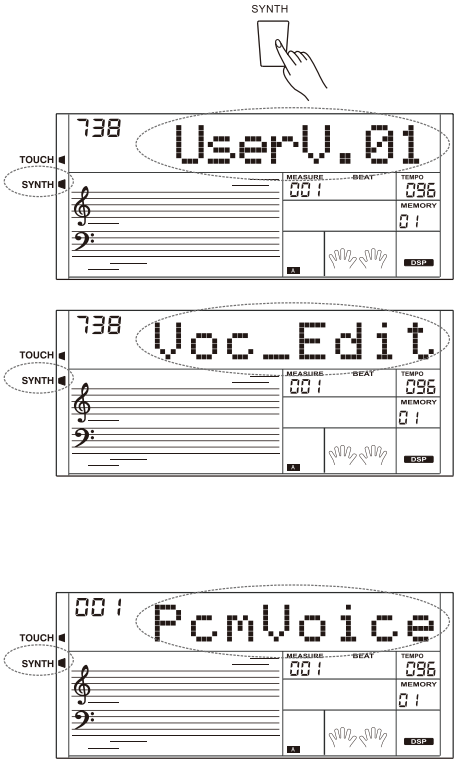
3. If you select “Voc_Edit” and press [+/YES], the LCD will display “PcmVoice” and sample voice number. Use data dial to select voice parameter, the voice parameter will display on the LCD as follows “PcmVoice”, “Vib Rate”, “VibDepth”, “VibDelay”, “EnvAttac”, “EnvRelea”, “EnvDecay”.

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

4. After selecting a voice parameter, press [+/YES] button to enter the parameter value setting mode. At this mode, the parameter value will flash on LCD. Use the 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 [-/NO] button to return to the previous menu.



Parameter name	Range	Default
PcmVoice	000 - 722	001
VibRate	000 - 127	064
VibDepth	000 - 127	064
VibDelay	000 - 127	064
EnvAttac	000 - 127	064
EnvRelea	000 - 127	064
EnvDecay	000 - 127	064

Exit the Synth

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

NOTE:

The Synth function is not available during song playback, demo playback, recording or in USB Device mode.

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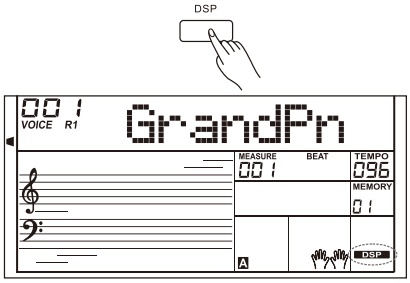
DSP Effect

The DSP effects will add ambiance and depth to your performance in a variety of ways. They can be set to simulate sound from a real environment. Experiment with the various effects to find the ones that work best for you.

1. The DSP effect is turned on by default.

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



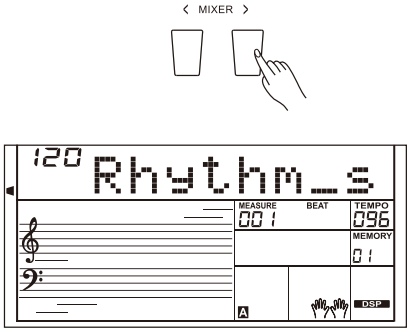
Note:
There may be a slight pause in the sound if you switch the DSP effect on/off while style or song is playing.

Mixer

The Mixer function allows you to separately adjust the volume of each track, so as to keep an appropriate volume balance.

1. Press the [MIXER +]/[MIXER -] buttons to enter the Mixer menu. The LCD shows the current parameter.

2. Press the [MIXER +] / [MIXER -] buttons to select a parameter. Then use the data dial or [+/YES]/ [-/NO] buttons to adjust the volume of the current item.
Press [+/YES] and [-/NO] at the same time to switch between the default volume and muting the volume.



Detailed parameters and their volume ranges:

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.

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Pedal Function

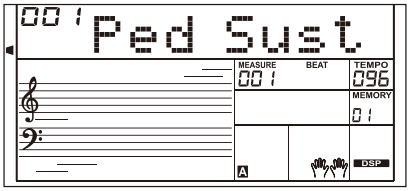
Volume Pedal

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

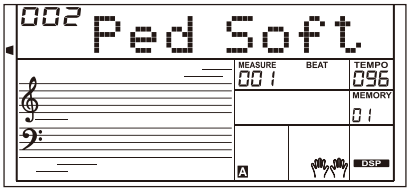
Sustain Pedal (Assignable)

You can assign other pedal functions to the sustain pedal. Please refer to Other Functions.

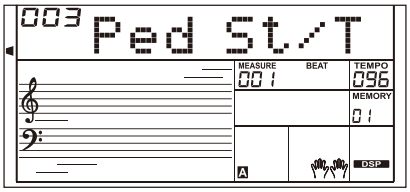
1. Pedal Sustain
If the pedal is assigned as “Ped Sust”, step on the sustain pedal, all notes played on the keyboard have a longer sustain.



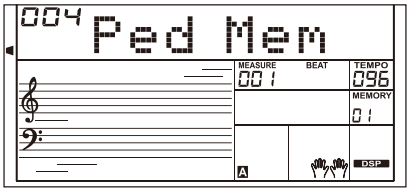
2. Pedal Soft
If the pedal is assigned as “Ped Soft”, step on the soft pedal, all notes played on the keyboard have a softer effect.



3. Pedal Start/Stop
If the pedal is assigned as “Ped St/T”, you can use the pedal to start/stop accompaniment.



4. Pedal Memory
If the pedal assigned as “Ped Mem”, press the pedal to recall and switch between the memories.



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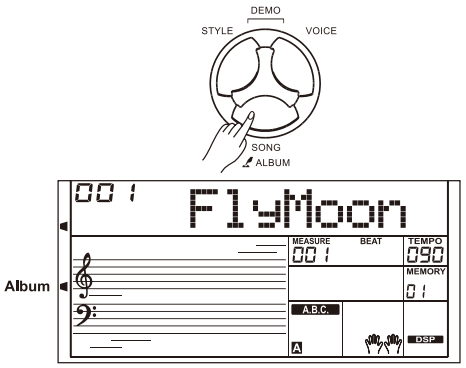
Album

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

1. Hold down the [SONG/ALBUM] button for 2 seconds to turn on the function. LCD shows the current album name.

2. Use the data dial or [+/YES] or [-/NO] button to select a desired album song. The instrument will instantly recall the preset settings such as style, tempo and voice for the song.

3. Press again the [SONG/ALBUM] button or one of the VOICE / STYLE select buttons to turn off the function.



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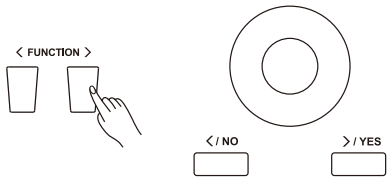
Other Functions

Press the [FUNCTION +] /[FUNCTION -] buttons to enter the Function menu. The LCD shows the current parameter.



Press the [FUNCTION] buttons repeatedly to select a parameter. Then use the data dial or [+/YES]/[-/NO] buttons to change the setting of the selected item.
Detailed parameters and their ranges:

Parameter	LCD Display	Range	Default
Tune	XXX Tune	-50···50	000
Beat	XXX Beat	0, 2···9	004
Split Point	XXX Split Pt	1···76	027
Pedal Assign	00X Ped ****	Sust, Soft, St/T, Mem	001 Sust
Harmony	00X Duet	Duet, StandardTrio, Full Chord, Rock Duet, Country Duet, Country Trio, Block, 4 Close 1, 4 Close 2, 4 Open, 1+5, Octave1, Octave2, Strum, Echo1, Echo2, Echo3, Echo4, Tremolo1, Tremolo2, Tremolo3, Tremolo4, Trill1, Trill2, Trill3, Trill4	001 Duet
Fade In	0XX Fade In	1~20s	010
Fade Out	0XX Fade Out	1~20s	010
Portamento Time	00X Port Time	1~3	002
Reverb Type	XXX Rev Type	RevRoom1, RevRoom2, ReRoom3, RevHall1, RevHall2, RevHall3, Rev Chr1, Rev Chr2, Rev Del, Rev PanD	004 RevHall1
Reverb Level	XXX Rev Lev	0~127	Voice default
Chorus Type	XXX Chr Type	Chorus1, Chorus2, GM Chr1, GMChr2, Flanger1, Flanger2, Rotary1, Rotary2	004 GM chr2
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

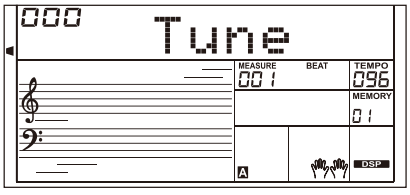
Note:
It will exit the Function Menu if there is no operation in 5 seconds.

Tune

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

1. Press the [FUNCTION +]/[FUNCTION -] buttons 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] at the same time will set the tune value to its default setting.

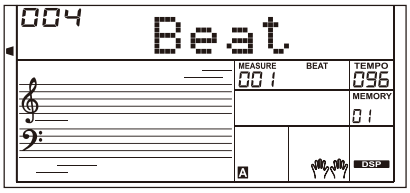


Beat

This function sets the time signature over the range from 0, 2-9.

1. Press the [FUNCTION +]/[FUNCTION -] buttons to select the Beat menu. Use [+/YES]/[-/NO] or data dial to change the time signature.

2. Pressing [+/YES] and [-/NO] at the same time will reset to the default time signature.



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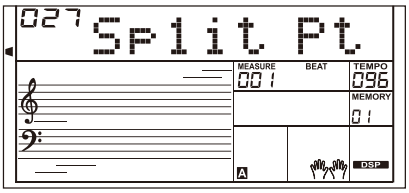
Split Point

This function sets the point that separates the entire keyboard into two sections.

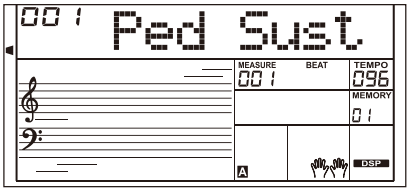


1. Press the [FUNCTION +]/[FUNCTION -] buttons to select the Split Point menu. Use [+/YES]/[-/NO] or data dial to change split point. You can also press a key to assign the split point to that key.

2. Pressing [+/YES] and [-/NO] at the same time will reset to the default split point.

Pedal Assign

You can assign other pedal functions to the sustain pedal.



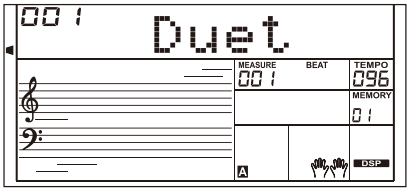
1. Press the [FUNCTION +]/[FUNCTION -] buttons to select the Pedal menu. Use [+/YES]/[-/NO] or data dial to change the pedal function. The pedal can be set as sustain pedal, soft pedal, start/stop pedal or memory pedal.

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.

Harmony



1. Press the [FUNCTION +]/[FUNCTION -] buttons 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.

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

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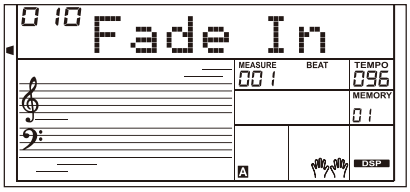
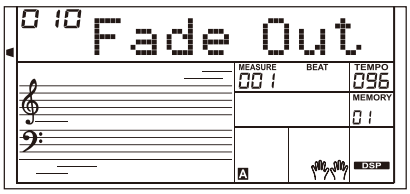
Fade In

Press the [FUNCTION +]/[FUNCTION -] buttons to select the Fade In menu. Use [+/YES]/[-/NO] or data dial to change Fade In time. The range is form 1 to 20 second.



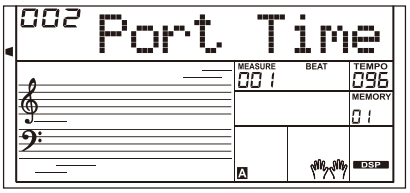
Fade Out

Press the [FUNCTION +]/[FUNCTION -] buttons to select the Fade Out menu. Use [+/YES]/[-/NO] or data dial to change Fade Out time. The range is form 1 to 20 second.



Portamento time

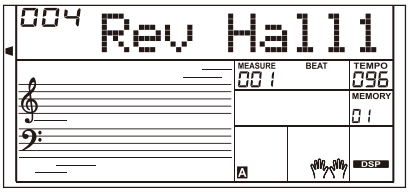
Press the [FUNCTION +]/[FUNCTION -] buttons to select the Port Time menu. Use [+/YES]/[-/NO] or data dial to change setting.



Reverb Type

1. Press the [FUNCTION+]/[FUNCTION-] buttons to select the Reverb Type menu. The LCD shows “004 Rev Hall 1”. Use the [+/YES]/[-/NO] or data dial to change the reverb type.

2. Pressing [+/YES] and [-/NO] at the same time will reset to the default reverb type “004 Rev Hall1”.

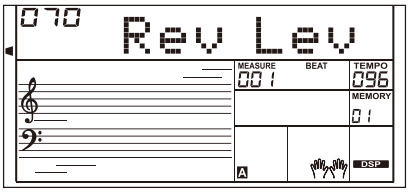


Detailed reverb types:

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

Reverb Level

Press the [FUNCTION +]/[FUNCTION -] buttons 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.



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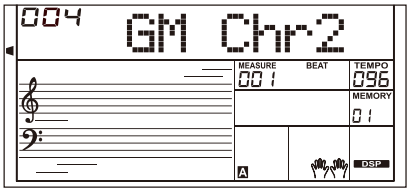
Chorus Type



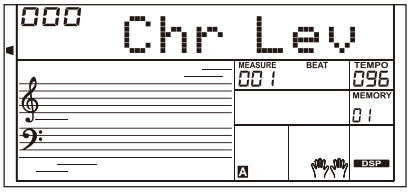
1. Press the [FUNCTION+]/[FUNCTION-] buttons to select the Chorus Type menu. The LCD shows “004 GM Chr2”. Use the [+/YES]/[-/NO] buttons or data dial to change the chorus type.

2. Pressing [+/YES] and [-/NO] at the same time will reset to the default chorus type “004 GM Chr2”.

Detailed chorus types:

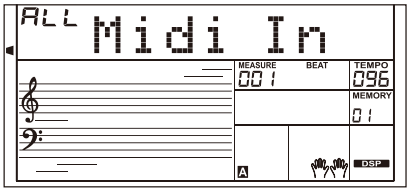
No.	LCD Display	Chorus Type
1	Chorus1	Chorus 1
2	Chorus2	Chorus 2
3	GM Chr1	GM Chorus 1
4	GM Chr2	GM Chorus 2
5	Flanger1	Flanger 1
6	Flanger2	Flanger 2
7	Rotary1	Rotary 1
8	Rotary2	Rotary 2

Chorus Level



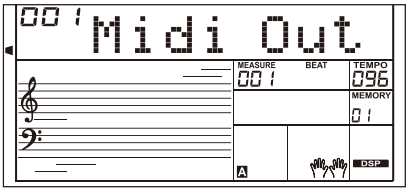
Press the [FUNCTION+]/[FUNCTION-] buttons to select the Chorus Level menu. LCD shows “Chr Lev”. Use [+/YES]/[-/NO] or data dial to change chorus level. The level ranges from 0 to 127.

MIDI In



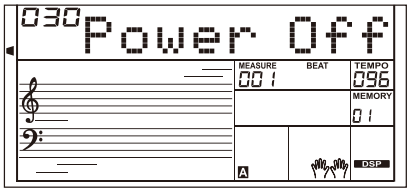
Press the [FUNCTION+]/[FUNCTION-] buttons to select the MIDI In menu. Use [+/YES]/[-/NO] buttons or data dial to select the channel. The default setting is “ALL”, channel 1~16 can also be selected.

MIDI Out



Press the [FUNCTION+]/[FUNCTION-] buttons to select the MIDI Out menu. Use [+/YES]/ [-/NO] buttons 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+]/[FUNCTION-] buttons 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.

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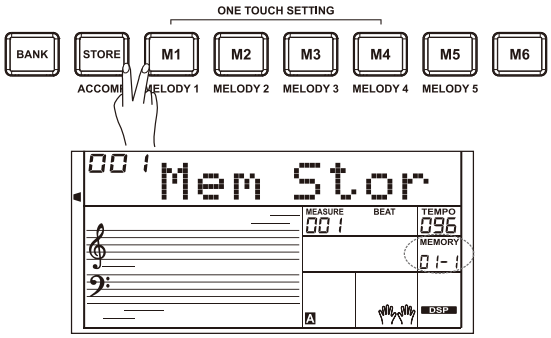
Register Memory

This function is designed to make your performance easy and efficient. It allows you to save virtually all panel settings to a single registration memory for instant recall.

Registering the Panel Settings

Press and hold the [STORE] button, then press one of the [M1]-[M6] buttons. This will save the current panel settings to the selected memory.



Note:

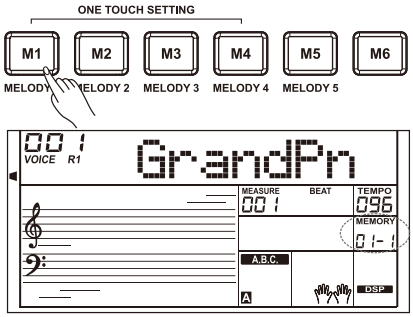
The new settings will replace the previous memory data.

Note:

To reset the registration memory to factory default, press and hold both the [STORE] and [M1] buttons, then turn on the power. The operation will delete all user memory.

Recalling the Registered Panel Settings

Press one of the [M1] - [M6] buttons to instantly recall the settings saved in that memory. This will reset the related parameters on the control panel.



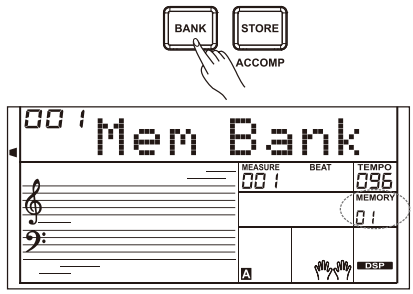
Note:

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

Selecting a Registration Bank

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

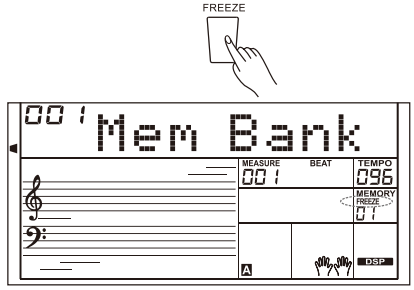
2. Use the data dial, [+/YES] or [-/NO] button to select a bank.



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.



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Song Recording

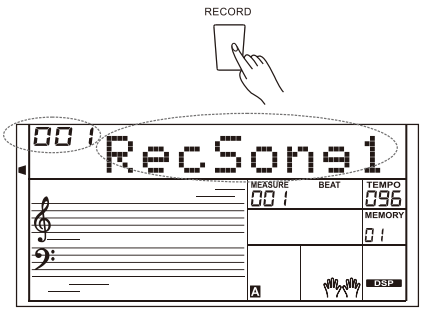
With the easy-to-use song recording features, you can record and save your own keyboard performances as a User song. Each user song can be recorded with 6 tracks (1 ACCOMP track, 5 MELODY tracks).

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

Start Recording

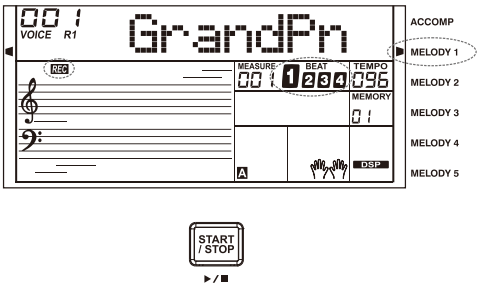
Before you start recording, you need to select a user song to which the recording will be saved.

1. Press [RECORD] button to enter user song selection mode. The LCD shows “RecSong1”. Press [+/YES]/[-/NO] buttons to select a 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] buttons 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.

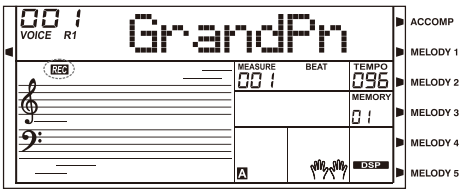
Note:

Style can only be recorded in “Accomp” track.

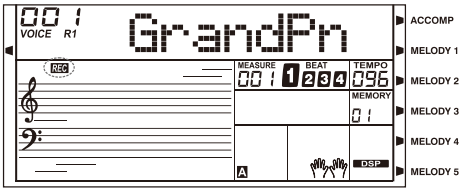
The track indicator has three states: Blinking, light on and light off.
Blinking: indicating the track is selected for recording. All existing data will be overwritten.

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

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



In recording standby mode, it will automatically select an empty melody track in numeric order to save the recording. For example, if melody track 1 is occupied, it will select track 2 for recording. If a specific track needs to be revised, press the button of the desired track and start recording. The original data will be replaced.



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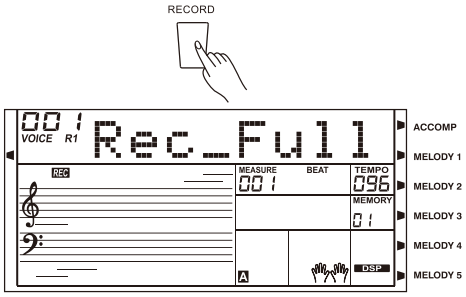
Stop Recording

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".

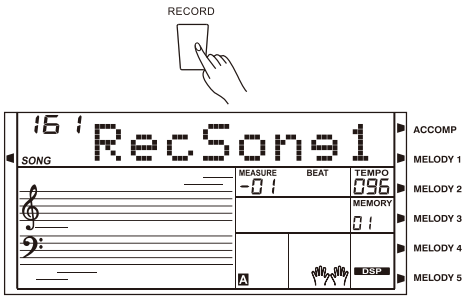
3. If you are recording a style, the recording will stop automatically when the Ending section is finished.

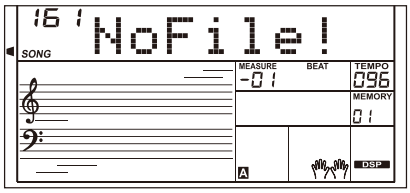


Play Back Recording

1. During recording, if you press the [RECORD] button to stop recording, it will enter Song mode and play back the recorded song in a continuous loop.

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, the LCD will show “No file” and stop playing. When playback stops, you can select a user song, and then, press [START/STOP] button, this user song will play circularly.



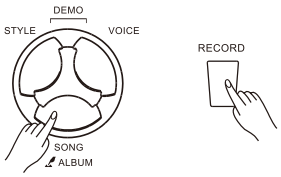


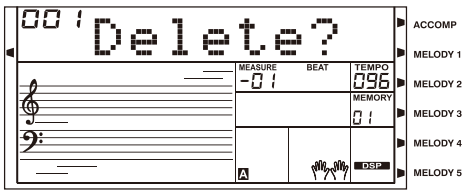
Delete Recording

1. Press and hold [RECORD] and [SONG] buttons, then turn on the power, all user songs will be erased.

2. In the recording standby mode, press and hold [RECORD] button for two seconds, the LCD will display “Delete?”.
Press the [ACCOMP] or [MELODY 1] - [MELODY 5] buttons 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.





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

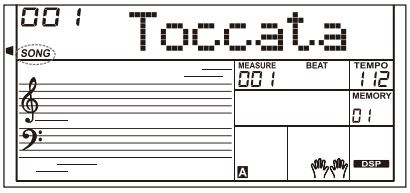
Listening to the songs

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.

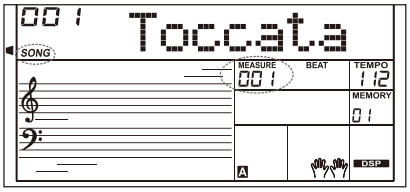
4. When the playback is stopped, pressing [STYLE], [VOICE], [DUAL] or [LOWER] will exit the song mode.



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.

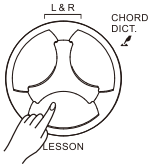
2. REW, FF and PAUSE
When the song is playing:
Press the [⏩] button to fast forward the song.
Press the [⏪] button to rewind the song (base on the measure).
Press the [⏸] button to pause the song, press it again to continue playing.



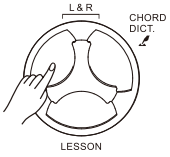
3. Song Repeat
During song playback, you can use the [🔁] button to set the beginning and the end for a loop section of the current song.
Press it once to set the loop beginning, then press it again to set the loop end. When in loop status, press [🔁] again to quit the loop and go back to song playback.

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 the [L]/[R] buttons to select a lesson for the left hand, right hand or both hands. If neither hand is selected, the instrument 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.

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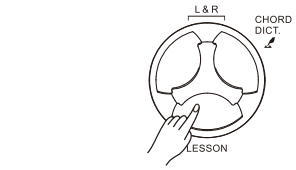
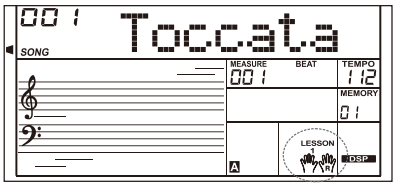
Song

Lesson 1 - Practice timing



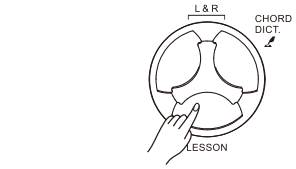


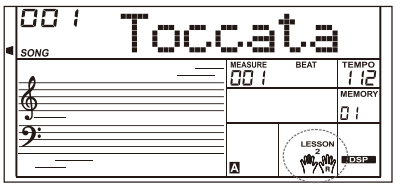
1. Press the [LESSON] button to enter Lesson mode. The "LESSON 1" indicator appears on LCD.
In Lesson 1, you will learn to play at the correct time value. As long as you play a key at the right time, the correct note will sound.

2. Use the [L]/[R] buttons to select a hand to practice.
Press [L] to mute the left hand part, and you can practice the chord part or left hand melody.
Press [R] to mute the right hand part, and you can practice the right hand melody.
Press [L] and [R] to mute the left and right hand parts, and you can practice the chord and melody with both hands.

3. Press the [START/STOP] button to start the practice.

Lesson 2 - Practice note accuracy

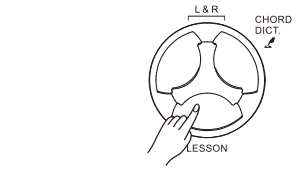


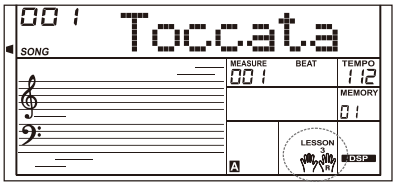


1. Press the [LESSON] button again to enter the lesson 2 mode.
In LESSON 2 mode, the instrument will grade your practice by the correctness of the notes. Only when you play the correct note, the song will continue playing, otherwise, it will stop and wait.

2. Press the [START/STOP] button to start the practice.

Lesson 3 - Performance





1. In Lesson 2, press the [LESSON] button again to enter the lesson 3 mode.
In LESSON 3 mode, it will score your practice based on the timing and note accuracy.

2. Press the [START/STOP] button to start the practice.

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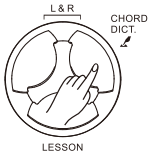
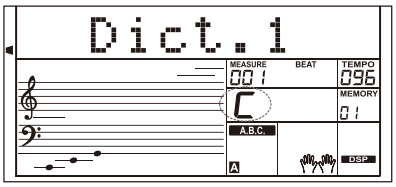
If you know the name of a chord but don't know how to play it, you can use the Chord Dictionary function.

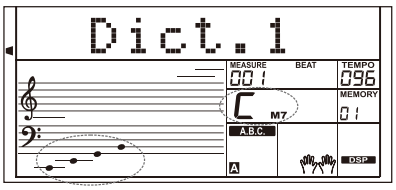
DICT 1 (Chord Learning Mode)

Press and hold the [CHORD DICT.] button for 2 seconds to enter the DICT 1 mode.



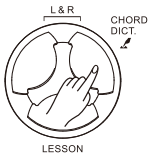


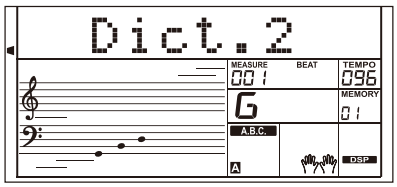
In DICT 1 mode, the key above C4 are used to assign the Chord Type, the keys above C6 are used to assign the Chord Root.
When the Chord Type and Chord Root are confirmed, the LCD will display the Chord notes. For example, if you want to play a CM7 Chord, press the C6 key in the section of the keyboard 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 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

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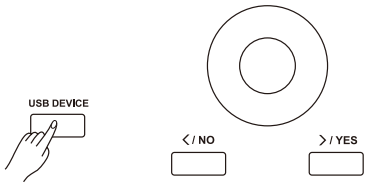
Connecting USB Flash Drive

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.

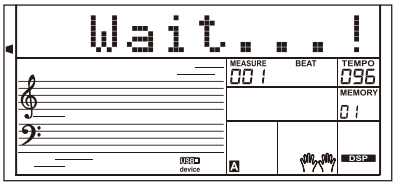
Common Operation

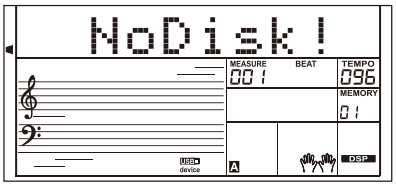


1. The function buttons related to USB Flash Drive: [USB DEVICE], [+/YES], [-/NO], data dial and [START/STOP].

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

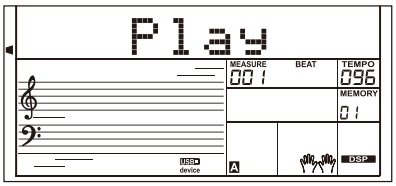
3. If you connect a USB flash drive to the instrument, LCD will first show “Wait...!”, indicating the initialization is in progress. If the initialization succeeds, LCD will show “Play”, otherwise, it will show “DiskErr”. If the USB Flash Drive is not connected, LCD will show “NoDisk”.





4. In the USB Device mode, you can use the data dial to choose menu, press [+/YES] button to go forward or, press [-/NO] 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 the [MIXER+]/[MIXER-] buttons to adjust the playing volume, over the range from 0 to 127.

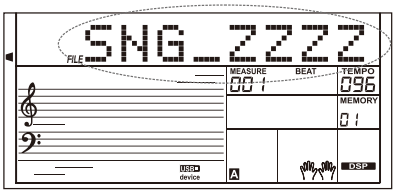
7. The operation to load, save or delete will apply to files in the “MMKD” folder only.

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.

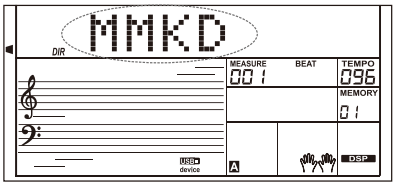
Play

1. Press [USB DEVICE] button to enter USB Device mode, use the data dial to select the “Play” menu.

2. Press [+/YES] button, LCD will display the MIDI files and directories in the root of the USB flash drive.

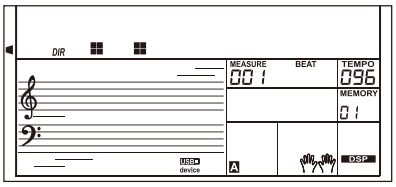


3. If you select a sub-directory, LCD will display the sub-directory name and the “DIR” sign. Press [+/YES] button to enter the current sub-directory, LCD will show all files in the sub-directory.



4. If there is no recognizable file in the current directory, LCD will display “..”, press [+/YES] button to go back.

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



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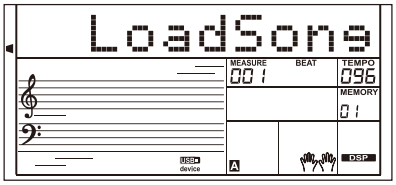
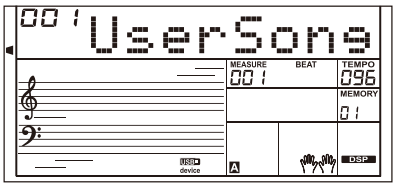
Load

Press [USB DEVICE] button to enter USB Device mode, then use the data dial to select the “Load” menu. Press [+/YES] button to enter the sub menu, which includes "LoadSong", "LoadSty" , "LoadMem" and "LoadVoic". Use the data dial to select one.

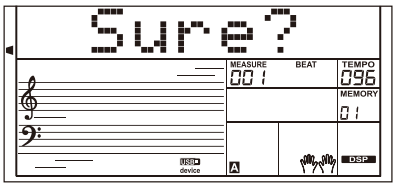


Load Song:

1. Select the menu "LoadSong" and press [+/YES] button, the LCD will show all the MIDI files (*.mid) under the directory “MMKD\SONG\”. Use the data dial to select a file.



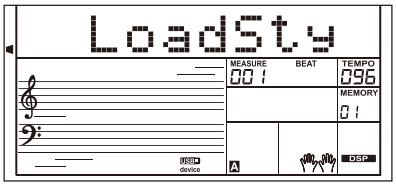
2. Press [+/YES] button, and then use the data dial to select a user song number.



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

Load Style:

1. Select the menu “LoadSty” and press [+/YES] button, LCD will show all the style files (*.sty) under the directory “MMKD\STYLE\”. Use the data dial to select a file.

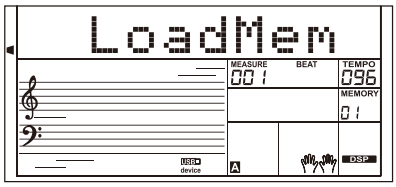


2. Press [+/YES] button, and then use the data dial to select a user style number.

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

Load Memory:

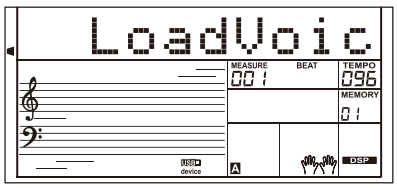
1. Select the menu “LoadMem” and press [+/YES] button, the LCD will show all the memory files (*.mem) under the directory “MMKD\ MENORY\”. Use the data dial to select a file.



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

Load Voice:

1. Select the menu “LoadVoic” and press [+/YES], the LCD will show all the voice files (*.voc) under the directory “MMKD\VOICE\”. Use the data dial to select a file.



2. Press [+/YES] button, and then use the data dial to select a user voice number.

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

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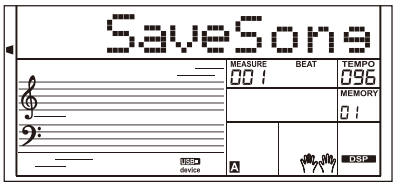
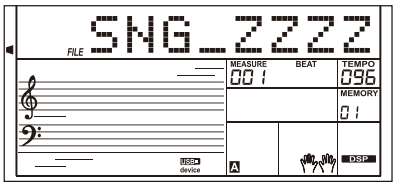
Save



1. Press [USB DEVICE] button to enter USB Device mode, then use the data dial to select the “Save” menu. Press [+/YES] button to enter the sub menu, which includes “SaveSong”, “SaveSty”, “SaveMem” and “SaveVoic”. Use the data dial to select one.

For example, saving a user song.

1. Select the “SaveSong” sub-menu, then press [+/YES] button 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 [+/YES] button 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.

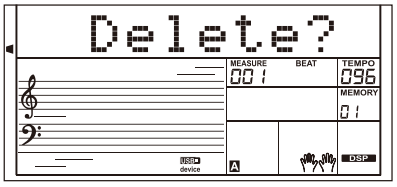
3. After entering the file name, press [+/YES] button. LCD will show “Sure?”. Press [+/YES] button to confirm saving, or press [-/NO] to cancel.

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 or a a user memory.

Delete

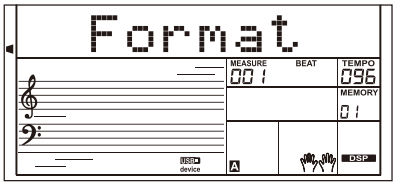


1. Press [USB DEVICE] button to enter USB Device mode, then use the data dial to select the “Delete” menu. Press [+/YES] button to enter the sub menu, which includes “UserSong”, “UserSty”, “UserMem” and “UserVoic”. Use the data dial to select one.

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

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

Format



Press [USB DEVICE] button to enter USB Device mode, then use the data dial to select the “Format” menu. Press [+/YES] button and the LCD prompts “Sure?”

Press [+/YES] button to format the USB flash drive, or press [-/NO] button 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

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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.

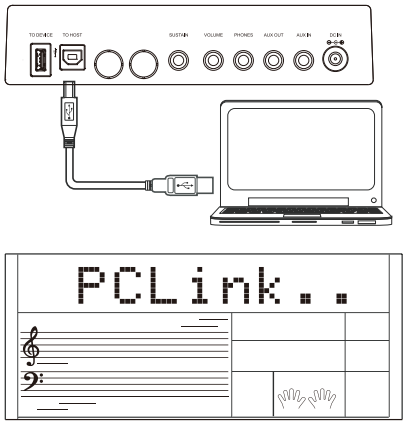
Downloading Data from the Computer

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.



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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.

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Specifications

Keyboard & Display	
Keyboard	76 Keys with Touch Response
Touch Response	5 types, Off
Display	Multi-functional LCD
Voices	
Polyphony (max.)	128
Voices	737 prest, 50 user
Layer	Left, Right1, Right2
Split	Yes
Styles	
Styles	240 preset, 10 user
Style Control	Start / Stop Sync Stop Sync Start Intro 1 / Ending 1 Intro 2 / Ending 2 Main A / Fill in A Main B / Fill in B Main C / Fill in C Main D / Fill in D Chord mode Fade in/out Accomp volume
Style Creator	Yes (PC software)
O.T.S.	Yes
Chord Types	32
Effects	
Effects	DSP on / off
Master EQ	—
Reverb	10 types, 128 levels
Chorus	8 types, 128 levels
Performance Enhance	
Harmony	26 types
Performance Assistant	Yes
Song & Recording	
Music Library	160 preset songs, Music tutorial system, 120 albums
Sequencer	10 user songs (5 melody + 1 accomp.)
Demo Song	5

Pitch Adjustment	
Transpose	-12 ~ +12
Octave	-2 ~ +2
Tuning	-50 ~ +50
Other Functions	
Mixer	Yes (12 tracks)
Performance Memory	16 preset banks x 6
Assignable Controllers	Sustain pedal
Pitch Bend	Yes
Modulation	Yes
Metronome	0, 2 ~ 9
Tempo	30 ~ 280
Other control	Voice Edit (Synth), Piano Mode, FreeSolo, Portomanto, Chord Dict
Connections	
Interaction & Expansion	USB MIDI, PC software
External Drive	USB flash drive (32G max.)
Phones	Standard stereo
Pedals	Sustain, Volume
USB	USB MIDI
Input	Standard stereo
Output	Standard stereo
Power Supply	
Power	DC12V/3A
Power Off Protection	Yes
Amplifiers & Speakers	
Amplifiers	20W x 2
Speakers	Woofer: 15W x 2 Tweeter: 25W x 2
Dimensions & Weight	
Dimensions LWH (mm)	1235 x 423 x 162
Weight (kg)	11.5

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

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Voice List

NO.	English Name	LCD Name
Piano		
1	Acoustic Grand Piano	GrandPn
2	Acoustic Grand Piano (wide)	GrandPnW
3	Acoustic Grand Piano (dark)	GrandPnD
4	Acoustic Grand Piano (stereo)	SteGraPn
5	Octave Grand Piano	OctavPno
6	Octave Grand Piano 2	OctavPn2
7	Piano & Strings	Pno&Str
8	Piano & Strings 2	Pno&Str2
9	Piano & Pad	Pno&Pad
10	Piano & Pad 2	Pno&Pad2
11	Piano & Choir	Pno&Cho
12	Piano & Choir 2	Pno&Cho2
13	Piano & EP	Pno&EP
14	Piano & EP 2	Pno&EP2
15	Piano & Vibraphone	Pno&Vib
16	Piano & Vibraphone 2	Pno&Vib2
17	Jazz Piano	JazzPno
18	Pop Piano	PopPiano
19	Rock Piano	RockPno
20	Club Piano	ClubPno
21	Bright Acoustic Piano	BritePn
22	Bright Acoustic Piano (wide)	BritePnW
23	Electric Grand Piano	E.Grand
24	Electric Grand Piano (wide)	E.GrandW
25	Electric Grand Piano (dark)	E.GrandD
26	Fusion Electric Grand Piano	FusionEP
27	Fusion Electric Frand Piano 2	FusioEP2
28	Club Electric Piano	ClubEP
29	Club Electric Piano 2	ClubEP2
30	Wah Electric Grand Piano	WahEP
31	Wah Electric Grand Piano 2	WahEP2
32	Wah Electric Grand Piano 3	WahEP3
33	Honky Tonk Piano	HnkyTonk
34	Honky Tonk Piano (wide)	HnyTonkW
35	Honky Tonk Piano (dark)	HnyTonkD
36	Honky Tonk Piano (stereo)	HoTo/Ste
37	Electric Piano	E.Piano
38	Electric Piano 2	E.Piano2
39	Electric Piano (wide)	E.PianoW
40	Electric Piano (wide) 2	E.Pno2W
41	Detuned Electric Piano	DetunEP
42	Detuned Electric Piano 2	DetunEP2
43	Electric Piano(velocity mix)	E.PnoV
44	Electric Piano 2 (velocity mix)	E.PnoV2
45	60's Electric Piano	60'sEP
46	EP Legend	EPLegend
47	Phase EP	EPPhase
48	Phase EP 2	EPPhase2
49	Jazz Electric Piano	JazzEP
50	Tremolo EP	TremoEP
51	Tremolo EP 2	TremoEP2
52	Funk EP	FunkEP
53	Funk EP 2	FunkEP2
54	Modern EP	ModernEP
55	Modern EP 2	ModerEP2
56	Warm EP	WarmEP
57	Warm EP 2	WarmEP2
58	Choir EP	ChoriEP
59	Choir EP 2	ChoriEP2
60	EP & Strings	EP&Str
61	EP & Strings 2	EP&Str2
62	Harpsichord	Harpsi
63	Harpsichord 2	Harpsi2
64	Harpsichord (octave mix)	HarpsiO
65	Harpsichord (wide)	HarpsiW
66	Harpsichord (with key off)	HarpsiOf
67	Clavi	Clavi
68	Clavi 2	Clavi2
69	Clavi (wide)	ClaviW
70	Pulse Clavi	PluseClv
71	Pulse Clavi 2	PulseCl2
72	Phase Clavi	PhaseCla
73	Phase Clavi 2	PhaseCl2
74	Wah Clavi	WahClavi
75	E.Clavi	E.Clavi
Organ		
76	Celesta	Celesta
77	Celesta 2	Celesta2
78	Bright Celesta	BriCeles
79	Celesta & Sine	Cele&Sin
80	Reecho Bell	RchoBell
81	Celesta & Music Box	Cele&MuB
82	Celesta & Music Box 2	Cele&MB2
83	Glockenspiel	Glocken
84	Glockenspiel 2	Glocken2
85	Glockenspiel & Sine	Gloc&Sin
86	Glockenspiel & Celesta	Gloc&Cel
87	Glockenspiel & Celesta 2	Gloc&Ce2
88	Music Box	MusicBox
89	Music Box 2	MusiBox2
90	Music Box 3	MusiBox3
91	Toy Box	ToyBox
92	Music Box & Harp	MBox&Har
93	Music Box & Harp 2	MB&Harp2
94	Vibraphone	Vibra
95	Vibraphone 2	Vibra2
96	Vibraphone (wide)	VibraW
97	Vibraphone (wide) 2	VibraW2
98	Stereo Vibraphone	SteVibra
99	Rigid Vibraphone	RigVibra
100	Vibraphone & Bell	Vibra&Be
101	Vibraphone & Harpsichord	Vib&Harp
102	Vibraphone & Harpsichord 2	Vib&Har2
103	Vibraphone & Strings	Vibr&Str
104	Vibraphone & Strings 2	Vib&Str2
105	Hard Vibraphone	HardVib
106	Marimba	Marimba
107	Marimba 2	Marimba2
108	Marimba (wide)	MarimbaW
109	SinMarimba	SinMarim

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110	Stereo Marimba	SteMarim
111	Marimba & Vibraphone	Mari&Vib
112	Marimba & Vibraphone 2	Mar&Vib2
113	Wood Drum	WoodDrum
114	Wood Drum 2	WoodDr2
115	Xylophone	Xylophon
116	Xylophone 2	Xylopho2
117	Tubular Bells	TubulBel
118	Tubular Bells 2	TubulBe2
119	Church Bell	ChurBell
120	Church Bell 2	ChurBel2
121	Carillon	Carillon
122	Carillon 2	Carillo2
123	Dulcimer	Dulcimer
124	Dulcimer 2	Dulcimr2
125	Santur	Santur
126	Santur 2	Santur2
127	Shorty	Shorty
128	Shorty 2	Shorty2
Piano		
129	Drawbar Organ	DrawOrgn
130	Drawbar Organ 2	DrawOrg2
131	Detuned Drawbar Organ	DeDrOrgn
132	Detuned Drawbar Organ 2	DeDrOrg2
133	Italian 60's Organ	60'sOrgn
134	Italian 60's Organ2	60'sOr2
135	70's Drawbar Organ	70DrawOr
136	70's Drawbar Organ 2	70DraOr2
137	Soft Stereo Drawbar Organ	SoftDrOr
138	Mellow Drawbar Organ	MellDrOr
139	Bright Drawbar Organ	BriDrOrg
140	Bright Drawbar Organ 2	BriDrOr2
141	Percussive Organ	PercOrgn
142	Percussive Organ 2	PercOrg2
143	Detuned Percussive Organ	DePeOrgn
144	Detuned Percussive Organ 2	DePeOrg2
145	70's Percussive Organ	70'sPcOr
146	Light Click Organ	LiCliOrg
147	Light Click Organ 2	LiCliOr2
148	Rock Organ	RockOrgn
149	Rock Organ 2	RockOrg2
150	Stereo Rotary Organ	SteRoOrg
151	Slow Rotary Organ	SlRotaOr
152	Rotary Organ	RotaOrgn
153	Rotary Organ 2	RotaOrg2
154	Church Organ	ChurOrgn
155	Church Organ 2	ChurOrg2
156	Church Organ 3	ChurOrg3
157	Church Organ (octave mix)	ChurOrgO
158	Detuned Church Organ	DeChOrgn
159	Detuned Church Organ 2	DeChOrg2
160	Reed Organ	ReedOrgn
161	Reed Organ 2	ReedOr2
162	Puff Organ	PuffOrgn
163	Puff Organ 2	PuffOr2
164	Accordion	Acordion

165	Accordion 2	Acordin2
166	Accordion 3	Acordin3
167	Chorus Accordion	ChoAccor
168	Musette	Musette
169	Accord It Solo	AccoSolo
170	Harmonica	Harmnica
171	Harmonica 2	Harmnic2
172	Sweet Harmonica	SweeHarm
173	Wah Harmonica	WahHarmo
174	Tango Accordion	TanAccod
175	Tango Accordion 2	TanAcco2
Organ		
176	Acoustic Guitar (nylon)	NylonGtr
177	Acoustic Guitar (nylon) 2	NylonGt2
178	Acoustic Guitar (nylon + keyoff)	NylGtrOf
179	Ukulele	Ukulele
180	Acoustic Guitar (steel)	SteelGtr
181	Acoustic Guitar (steel) 2	SteelGt2
182	12-Strings Guitar	12StrGtr
183	12-Strings Guitar 2	12StrGt2
184	Mandolin	Mandolin
185	Mandolin 2	Mandoli2
186	Steel Guitar with Body Sound	SteelBdy
187	Electric Guitar (jazz)	JazzGtr
188	Electric Guitar (jazz) 2	JazzGtr2
189	Electric Guitar (pedal steel)	PedalGtr
190	Electric Guitar (clean)	CleanGtr
191	Electric Guitar (detuned clean)	DetClnGt
192	Mid Tone Guitar	MidTonGt
193	Electric Guitar (muted)	MutedGtr
194	Electric Guitar (funky cutting)	FunkGt
195	Electric Guitar (muted velo-sw)	MutVelGt
196	Jazz Man	JazzMan
197	Overdriven Guitar	OvdrGtr
198	Overdriven Guitar 2	OvdrGtr2
199	Guitar Pinch	GtPinch
200	Distortion Guitar	DistGtr
201	Distortion Guitar 2	DisGtr2
202	Distortion Guitar (withfeedback)	FeedbkGt
203	DistortionGuitar (withfeedback) 2	FedbkGt2
204	Distorted Rhythm Guitar	DistRyth
205	Guitar Harmonics	GtrHarmo
206	Guitar Harmonics 2	GtrHarm2
207	Guitar Feedback	GtrFedbk
208	Velocity Nylon Guitar	VeloNyGt
209	Chorus Nylon Guitar	ChoNylGt
210	Chorus Nylon Guitar 2	ChNylGt2
211	Bright Nylon Guitar	BriNylGt
212	Bright Nylon Guitar 2	BrNylGt2
213	Tremolo Steel Guitar	TreStGtr
214	Tremolo Steel Guitar 2	TrStGtr2
215	Velocity Steel Guitar	VelStGtr
216	Chorus Steel Guitar	ChoStGtr
217	Chorus Steel Guitar 2	ChStGtr2
218	Nylon & Steel Guitar	Nyl&StGt
219	Nylon & Steel Guitar 2	Ny&StGt2

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Voice List

220	Pedal Steel Guitar	PedStGtr
221	Mellow Guitar	MelloGtr
222	Mellow Guitar 2	MellGtr2
223	Velocity Jazz Guitar	VelJazGt
224	Velocity Jazz Guitar 2	VelJaGt2
225	Detuned Jazz Guitar	DeJazGtr
226	Detuned Jazz Guitar 2	DeJazGt2
227	Stereo Clean Guitar	SteCleGt
228	Velocity Clean Guitar	VelCleGt
229	Velocity Clean Guitar 2	VelClGt2
230	Stereo Muted Guitar	SteMutGt
231	Stereo Muted Guitar 2	StMutGt2
232	5th Distortion	5thDisto
233	Distortion Guitar Octave	OctDisGt
234	Stereo Distorted Guitar	SteDisGt
235	Steel Bend Guitar	StBenGtr
Bass		
236	Acoustic Bass	AcoBass
237	Acoustic Bass 2	AcouBas2
238	Acoustic Bass 3	AcouBas3
239	Electric Bass (finger)	FngrBass
240	Electric Bass (finger) 2	FngrBas2
241	Finger Slap Bass	FngrSlap
242	Finger Slap Bass 2	FngrSlp2
243	Electric Bass (pick)	PickBass
244	Electric Bass (pick) 2	PickBas2
245	Fretless Bass	FresBass
246	Fretless Bass 2	FresBas2
247	Slap Bass	SlapBass
248	Slap Bass 2	SlapBas2
249	Slap Bass 3	SlapBas3
250	Slap Bass 4	SlapBas4
251	Synth Bass	SynBass
252	Synth Bass 2	SynBass2
253	Synth Bass 3	SynBass3
254	Synth Bass 4	SynBass4
255	Acoustic Bass Detuned	DeAcoBas
256	Acoustic Bass Detuned 2	DeAcoBa2
257	Acoustic Bass Filter	FilAcBas
258	Acoustic Bass Filter 2	FilAcBa2
259	Jazz Style	JazStyle
260	Jazz Style 2	JaStyle2
261	Acoustic Bass & Mute Guitar	AcB&MuGt
262	Acoustic Bass & Mute Guitar 2	AcB&MuG2
263	Detuned Finger Bass	DeFngrBa
264	Detuned Finger Bass 2	DeFngBa2
265	Dark Finger Bass	DaFngrBa
266	Resonant Finger Bass	ReFgrBas
267	Resonant Finger Bass 2	ReFgrBa2
268	Wah Finger Bass	WaFgrBas
269	Wah Finger Bass 2	WaFgrBa2
270	Bass & Distorted Electric Guitar	Ba&DisGt
271	Bass & Distorted Electric Guitar 2	Ba&DiGt2
272	Mute Pick Bass	MuPicBas
273	Mute Pick Bass 2	MuPicBa2

274	Detuned Pick Bass	DePicBas
275	Detuned Pick Bass 2	DePicBa2
276	90's Bass	90'sBass
277	90's Bass 2	90'sBas2
278	Fretless Bass & Sine	Frls&Sin
279	Fretless Bass & Sine 2	Frls&Si2
280	Fretless Bass Detuned	DeFrtles
281	Fretless Bass Detuned 2	DeFrles2
282	Fretless Bass Detuned 3	DeFrles3
283	Power Slap Bass	PoSlaBas
284	Power Slap Bass 2	PoSlaBa2
285	Lash Thumb Bass	LaThbBas
286	Lash Thumb Bass 2	LaThbBa2
287	Resonant Slap Bass	ReSlaBas
288	Resonant Slap Bass 2	ReSlaBa2
289	Wah Slap Bass	WaSlaBas
290	Wah Slap Bass 2	WaSlBas2
291	Velocity Switch Slap Bass	VeSlaBas
292	Clavi Bass	ClavBass
293	Hammer	Hammer
294	Synth Bass (attack)	AtackBas
295	Synth Bass (rubber)	RubbBass
296	Attack Pulse	AtackPls
Strings & Orchestral		
297	Violin	Violin
298	Violin 2	Violin2
299	Violin (slow attack)	SlViolin
300	Two Violin	TwoVioli
301	Soft Violin	SofVioli
302	Velocity Violin	VelVioli
303	The Violin	TheVioli
304	Mono Violin	MonVioli
305	Octave Violin	OtaVioli
306	Electric Violin	EleVioli
307	Violin & Viola	Vlin&Vla
308	Viola	Viola
309	Viola 2	Viola2
310	Viola 3	Viola3
311	Dark Viola	DarViola
312	Cello	Cello
313	Cello 2	Cello2
314	Cello 3	Cello3
315	Cello 4	Cello4
316	Contrabass	Contrabs
317	Contrabass 2	Contrab2
318	Tremolo Strings	TremStr
319	Tremolo Strings 2	TremStr2
320	Slow Tremolo Strings	SlTrmStr
321	Slow Tremolo Strings 2	SlTrmSt2
322	Pizzicato Strings	PizzStr
323	Pizzicato Strings 2	PizStr2
324	Octave Pizzicato	OctaPiz
325	Orchestral Harp	OrchHarp
326	Orchestral Harp 2	OrchHrp2
327	Yang Chin	YangChin

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328	Yang Chin 2	YangChi2
329	Timpani	Timpani
330	Timpani 2	Timpani2
331	String Ensembles	Strings
332	String Ensembles 2	Strings2
333	Strings & Brass	Str&Bras
334	60's Strings	60'sStr
335	70's Strings	70'sStrs
336	Synth Strings	SynStrs
337	Synth Strings 2	SynStrs2
338	Synth Strings 3	SynStrs3
339	Synth Strings 4	SyntStr4
340	Synth Strings 5	SyntStr5
341	Choir Aahs	ChorAah
342	Choir Aahs 2	ChorAah2
343	Choir Aahs 3	ChorAah3
344	Choir Aahs 4	ChorAah4
345	Voice Oohs	VoiceOoh
346	Voice Oohs 2	VoicOoh2
347	Humming	Humming
348	Humming 2	Humming2
349	Analog Voice	AnaVoice
350	Analog Voice 2	AnaVoic2
351	Synth Voice	SynVoice
352	Orchestra Hit	OrchHit
353	Celloen 16'	Cello16'
354	Chamber Music	ChambMus
355	Chamber Music 2	ChambMu2
356	Africa	Africa
357	Africa 2	Africa2
358	Stereo Slow Strings	SteSlStr
359	Slow Strings	SlowStr
360	Legato Strings	LegtoStr
361	Orchestra	Orchstra
362	Arco Strings	ArcoStr
363	Resonant Strings	RsontStr
364	The Strings	TheStrs
365	Solo Strings	SoloStrs
366	Mellow Choir	MeloChoi
367	Stereo Choir Aahs	SteChoAa
368	Strings & Choir	Str&Choi
369	Strings & Choir 2	Str&Cho2
370	Strings & Voice	Str&Voic
371	Strings & Voice 2	Str&Voi2
372	Analog Voice	AnalgVoi
373	Analog Voice 2	Analog
374	Bass Hit Plus	BassHit
375	Bass Hit Plus 2	BassHit2
376	6th Hit	6thHit
377	6th Hit 2	6thHit2
378	Euro Hit	EuroHit
379	Euro Hit 2	EuroHit2
380	Octave Orchestra Hit	OctOrchH
381	Octave Orchestra Hit 2	OctOrcH2
Reed		

382	Trumpet	Trumpet
383	Trumpet 2	Trumpet2
384	Dark Trumpet Soft	DarkTrp
385	Dark Trumpet Soft 2	DarkTrp2
386	Trombone	Trombone
387	Trombone 2	Trmbone2
388	Bright Trombone	BritBone
389	Tuba	Tuba
390	Tuba 2	Tuba2
391	Tuba 3	Tuba3
392	Muted Trumpet	MuteTrp
393	Muted Trumpet 2	MuteTrp2
394	Muted Trumpet 3	MuteTrp3
395	French Horn	FrHorn
396	French Horn 2	FrHorn2
397	French Horn 3	FrHorn3
398	French Horn 4	FrHorn4
399	Brass Section	Brass
400	Brass Section 2	Brass2
401	Brass Section 3	Brass3
402	Brass Section 4	Brass4
403	Synth Brass	SynBras
404	Synth Brass 2	SynBras2
405	Synth Brass 3	SynBras3
406	Synth Brass 4	SynBras4
407	Resonant Trumpet	ResTrump
408	Sweet Trumpet	SweTrump
409	Wah Trumpet	WahTrump
410	Dark Trombone	DaTrombo
411	Dark Trombone 2	DaTromb2
412	Strings & Trombone	Str&Trom
413	Tuba Solo	TubaSolo
414	Tuba Solo 2	TubaSol2
415	Soft Tuba	SoftTuba
416	Soft Tuba 2	SofTuba2
417	Stereo French Horn	StFrHorn
418	Stereo French Horn 2	StFrHor2
419	Fifth Horn Orchestra	FifHornO
420	Fifth Horn Orchestra 2	FifHorO2
421	Dark Brass	DarBrass
422	Dark Brass 2	DarBras2
423	Brassband	Brasband
424	Brassband 2	Braband2
425	Bright Brass Section	BriBrass
426	Bright Brass Section 2	BriBras2
427	Mute Brass Ensemble	MuBrasEn
428	Mute Brass Ensemble 2	MuBraEn2
429	Sforzato Brass	SfztBras
430	Brass & Strings	Bras&Str
431	Brass & Strings 2	Bra&Str2
432	Analog Synth Brass	AnaBras
433	Analog Synth Brass 2	AnaBras2
434	Jump Brass	JumpBras
435	Octave Synth Brass	OtaSyBrs
436	Synth Brass & Strings	SyBr&Str
437	Synth Brass & Strings 2	SyB&Str2

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Voice List

438	Echo Brass	EchoBras
Synth Pad		
439	Soprano Sax	SprnoSax
440	Soprano Sax 2	SprnSax2
441	Soprano Sax Soft	SprnSxSf
442	Slow Soprano Sax	SlSprnSx
443	Sweet Soprano Sax	SwSprnSx
444	Alto Sax	AltoSax
445	Alto Sax 2	AltoSax2
446	Soft Alto Sax	SftAtoSx
447	Super Alto Sax	SprAtoSx
448	Tenor Sax	TenorSax
449	Tenor Sax 2	TenoSax2
450	Baritone Sax	BariSax
451	Baritone Sax 2	BariSax2
452	Soft Baritone Sax	SfBariSx
453	Sax Band	SaxBand
454	Oboe	Oboe
455	Oboe 2	Oboe2
456	Sweet Oboe	SwetOboe
457	English Horn	EngHorn
458	English Horn 2	EngHorn2
459	Analog Horns	AnalHorn
460	Woodwinds	Woodwind
461	Bassoon	Bassoon
462	Bassoon 2	Bassoon2
463	Clarinet	Clarinet
464	Clarinet 2	Clarine2
Synth Pad		
465	Piccolo	Piccolo
466	Piccolo 2	Piccolo2
467	Flute	Flute
468	Flute 2	Flute2
469	Sweet Flute	SweeFlut
470	Recorder	Recorder
471	Recorder 2	Recorde2
472	Pan Flute	PanFlute
473	Pan Flute 2	PanFlut2
474	Sweet Pan Flute	SwPanFlu
475	Dark Pan Flute	DarPanFl
476	Blown Bottle	Bottle
477	Blown Bottle 2	Bottle2
478	Shakuhachi	Shakchi
479	Shakuhachi 2	Shakchi2
480	Whistle	Whistle
481	Whistle 2	Whistle2
482	Ocarina	Ocarina
483	Ocarina 2	Ocarina2
Synth Pad		
484	Lead 1 (square)	SquareLd
485	Lead 1a (square 2)	SquarLd2
486	Lead 1b (sine)	SineLead
487	Lead 2 (sawtooth)	SawLead
488	Lead 2a (sawtooth 2)	SawLead2
489	Lead 2b (saw + pulse)	SawPlsLd
490	Lead 2c (double sawtooth)	DubSawLd
491	Lead 2d (sequenced analog)	SquAnaLd
492	Lead 3 (calliope)	CaliopLd
493	Lead 4 (chiff)	ChiffLd
494	Lead 5 (charang)	CharanLd
495	Lead 5a (wire lead)	WireLead
496	Lead 6 (voice)	VoiceLd
497	Lead 7 (fifths)	FifthsLd
498	Lead 8 (bass + lead)	BassLead
499	Lead 8a (soft wrl)	SftWrlLd
500	Delayed Lead 2	DelyLed2
501	Delayed Lead 3	DelyLed3
502	Slow Square Lead	SlSquaLd
503	Sine Solo	SineSolo
504	Square Lead	SquarLd
505	2Oscillators Lead	2OsctrLd
506	Wavy Sawtooth	WavySaw
507	Super Analog	SuprAnag
508	Big Lead	BigLead
509	Bauble Lead	BaublLed
510	PWM 4th	PWM4th
511	PWM 4th Soft	PWM4thSf
512	Synth Calliope Soft	SynCalSf
513	Chiffer Lead	ChifLed
514	Chiffer Lead 2	ChifLed2
515	Charang	Charang
516	Charang 2	Charang2
517	Wire Lead	WireLed2
518	Soft Vox	SoftVox
519	5th SawWave	5thSawWv
520	Fifth Lead Soft	FifLedSf
521	Fifth Lead	FifLead
522	Massiness	Massines
523	Square	Square
524	Thick Square	ThickSqu
525	Corrie	Corrie
526	Quint	Quint
Synth SFX		
527	Pad 1 (new age)	NewAgePd
528	New Age Pad 2	NewAgPd2
529	New Age Pad 3	NewAgPd3
530	Pad 2 (warm)	WarmPad
531	Warm Pad 2	WarmPad2
532	Pad 2a (sine pad)	SinePad
533	Pad 3 (polysynth)	PolySyPd
534	Poly Synth 2	PolySyn2
535	Poly Synth 3	PolySyn3
536	Pad 4 (choir)	ChoirPad
537	Pad 4a (itopia)	ItopiaPd
538	Pad 5 (bowed)	BowedPd
539	Pad 6 (metallic)	MetalPad
540	Metallic Pad 2	MetalPa2
541	Pad 7 (halo)	HaloPad
542	Halo Pad 2	HaloPad2
543	Halo Pad 3	HaloPad3
544	Pad 8 (sweep)	SweepPd

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545	Sweep Pad 2	SweepPa2
546	Slow Square	SlowSqua
547	New Year Pad	NewYrPad
548	PWM Pad	PWMPad
549	Warmly Pad	WarmlPad
550	Horn Pad	HornPad
551	Click Pad	ClickPad
552	Analog Pad	AnaloPad
553	Poly Pad	PolyPad
554	Space Voice	SpaceVoi
555	Bowed Pad	BowedPad
556	Bowed Pad 2	BowedPa2
557	Pan Pad	PanPad
558	Pan Pad 2	PanPad2
559	Dipolar Pad	DipolaPa
560	Rising	Rising
561	Congregate	Cogrgate
Percussive		
562	FX 1 (rain)	FXRain
563	FX 2 (soundtrack)	Soundtrk
564	Prelude	Prelude
565	FX 3 (crystal)	Crystal
566	Crystal 2	Crystal2
567	FX 3a (synth mallet)	SynMalet
568	FX 4 (atmosphere)	Atmosphr
569	Warm Air	WarmAir
570	FX 5 (brightness)	Bright
571	Smog	Smog
572	FX 6 (goblins)	Goblins
573	Goblin 2	Goblin2
574	Choir Bell	ChoirBel
575	Choir Bell 2	ChoiBel2
576	FX 7 (echoes)	Echoes
577	Echo Drops 2	EchoDrp2
578	FX 7a (echo bell)	EchoBell
579	Echo Bell 2	EchoBel2
580	FX 7b (echo pan)	EchoPan
581	FX 8 (sci-fi)	Sci-Fi
582	Sci-Fi 2	Sci-Fi2
Percussive		
583	Sitar	Sitar
584	Sitar 2 (bend)	Sitar2
585	Sitar & Strings	Sitr&Str
586	Sitar & Strings 2	Sitr&Sr2
587	Banjo	Banjo
588	Banjo 2	Banjo2
589	Shamisen	Shamisen
590	Shamisen 2	Shamisn2
591	Koto	Koto
592	Koto 2	Koto2
593	Taisho Koto	TaiKoto
594	Taisho Koto 2	TaiKoto2
595	Kalimba	Kalimba
596	Kalimba 2	Kalimba2
597	Bag Pipe	Bagpipe
598	Bag Pipe 2	Bagpipe2

599	Fiddle	Fiddle
600	Fiddle 2	Fiddle2
601	Shanai	Shanai
602	Shanai 2	Shanai2
SFX		
603	Tinkle Bell	TnklBell
604	Tinkle Bell 2	TnklBel2
605	Agogo	Agogo
606	Agogo 2	Agogo2
607	Steel Drums	SteelDrm
608	Steel Drums 2	StelDrm2
609	Woodblock	WoodBlok
610	Woodblock 2	WoodBlk2
611	Castanets	Castanet
612	Castanets 2	Castane2
613	Taiko Drum	TaikoDum
614	Taiko Drum 2	TaikDrm2
615	ConcertBass Drum	ConBasDm
616	ConcertBass Drum 2	CnBasDr2
617	Melodic Tom	MelodTom
618	Melodic Tom 2	MeldTom2
619	Synth Drum	SynDrum
620	Rhythm Box Tom	RhythBox
621	Electric Drum	ElecDrum
622	Electric Drum 2	EleDrum2
623	Reverse Cymbal	RevCymbl
624	Reverse Cymbal 2	RevCymb2
SFX		
625	Guitar Fret Noise	GtrFrNoi
626	Guitar Fret Noise 2	GtrFrNo2
627	Guitar Cutting Noise	GtCtNois
628	Guitar Cutting Noise 2	GtCtNoi2
629	Acoustic Bass String Slap	BsStSlap
630	Acoustic Bass String Slap 2	BsStSlp2
631	Breath Noise	BreNoise
632	Breath Noise 2	BreNois2
633	Flute Key Click	FlKeyClk
634	Flute Key Click 2	FlKyClk2
635	Seashore	Seashore
636	Seashore 2	Seashor2
637	Rain	Rain
638	Thunder	Thunder
639	Wind	Wind
640	Stream	Stream
641	Bubble	Bubble
642	Bird Tweet	Tweet
643	Bird Tweet 2	Tweet2
644	Dog	Dog
645	Horse Gallop	HouseGlp
646	Sheep	Sheep
647	Telephone Ring	Telphone
648	Telephone Ring 2	Telphon2
649	Door Creaking	DoorCrek
650	Door	Door
651	Scratch	Scratch
652	Wind Chime	WindChi

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Voice List

653	Helicopter	Helicptr
654	Car Engine	CarEngin
655	Car Stop	CarStop
656	Car Pass	CarPass
657	Car Crash	CarCrash
658	Siren	Siren
659	Train	Train
660	Jetplane	Jetplane
661	Starship	Starship
662	Burst Noise	BurtNois
663	Applause	Applause
664	Laughing	Laughing
665	Screaming	Scream
666	Punch	Punch
667	Heart Beat	HeartBet
668	Footsteps	Footstep
669	Gunshot	Gunshot
670	Machine Gun	MachnGun
671	Lasergun	Lasergun
672	Explosion	Explosio
Combined Voice		
673	Stereo Piano & Strings	Pn&Strs
674	Stereo Piano & Calliope	Pno&Calo
675	Stereo Piano & Sweep	Pn&Sweep
676	Honky Tonk Piano & Fifths	Honk&Fif
677	Honky Tonk Piano & Sweep	Honk&Swp
678	FM Electric Piano	FME.Pno
679	Digital Piano	DigtlPno
680	E.Piano & Pad	E.Pn&Pad
681	E.Piano & Sweep	E.Pn&Swp
682	E.Piano 2 & Pad	E.Pn2&Pd
683	E.Piano 2 & Sweep	E.Pn2&Sp
684	E.Piano 2 & Warm	E.Pn2&Wm
685	Harpsichord & Stereo Strings	Hch&StSr
686	Music Box & Stereo Strings	MBx&StSr
687	Vibraphone & Stereo Strings	Vib&StSr
688	Vibraphone Octave	VibraOta
689	Vibraphone & Marimba & Kalimba	Vb&Ma&Ka
690	Marimba & Kalimba	Mar&Kalb
691	Marimba Delay	MariDely
692	Xylophone Octave	XyloOcta
693	Organ & Stereo Strings	Org&StSr
694	Stereo Organ & Piano	StOrg&Pn
695	Rock Organ & Strings	RoOrg&Sr
696	Church Organ & Choir	ChOr&Chr
697	Church Organ & Strings	ChuOr&Sr
698	Harmonica & Acoustic Guitar	Hm&AcGtr
699	Harmonica & Strings	Harm&Str
700	Acoustic Guitar & Flute	AcGr&Flu
701	Acoustic Guitar & Clavi	AcGr&Cla
702	24-Strings Guitar	24StrGtr
703	24-Strings Guitar & Strings	24Gr&Str
704	Steel Guitar & Warm Pad	StlGr&WP
705	Stereo Strings & Horn	Str&Horn
706	The Orchestra	TheOrch
707	Full Strings	FullStr
708	Full Strings 2	FullStr2
709	Symphonic	Symphoni
710	Stereo Choir & Strings	Choi&Str
711	Stereo Choir & Steel Guitar	Ch&StlGr
712	3 Trumpets Loose	3TrumLos
713	Trombone & Stereo Strings	Trom&Str
714	3 Trombones Loose	3TromLos
715	3 Muted Trumpets Loose	3MuTrLos
716	Club Brass	ClubBras
717	Brass & Woodwinds	Bras&Wod
718	Woodwinds & Strings	Wood&Str
719	Section Woods Small	WoodSmal
720	Pan Flute & Strings Pad	PnF&SrPd
721	Koto & Shamisen	Kt&Shams
722	Koto & Shamisen & Strings	K&Shm&Sr
Drums		
723	Standard Set	StandSet
724	Room Set	RoomSet
725	Power Set	PowerSet
726	Electronic Set	ElectSet
727	Analog Set	AnalgSet
728	Jazz Set	JazzSet
729	Brush Set	BrushSet
730	Orchestra Set	OrcheSet
731	SFX Set	SFXSet
732	Dance Set	DanceSet
733	Funk Set	FunkSet
734	Rock Set	RockSet
735	Latin Set	LatinSet
736	Pop Set	PopSet
737	Punk Set	PunkSet

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Style List

NO.	English Name	LCD Name
8BEAT		
1	8Beat Ballad	8BtBld
2	8Beat Piano	8BtPiano
3	8Beat 1	8Beat1
4	Guitar Pop 1	GtPop1
5	8Beat Hip Hop	8BtHiHop
6	8Beat Blues Rock	8BtBluRk
7	8Beat Pop	8BtPop
8	Pop Funk 1	PopFunk1
9	Rhythm&Beat 1	Rhy&Bt1
10	8Beat Disco 1	8BtDisc1
11	8Beat Rock	8BtRock
12	Guitar Pop 2	GtPop2
13	8Beat 2	8Beat2
14	Sweet Beat	SweetBt
15	8Beat Dance	8BtDance
16	8Beat Disco 2	8BtDisc2
17	Pop Funk 2	PopFunk2
18	8Beat 3	8Beat3
19	60's 8Beat	60's8Bt
20	Rhythm&Beat 2	Rhy&Bt2
16BEAT		
21	16Beat 1	16Beat1
22	16Beat Funk 1	16BtFuk1
23	16Beat Ballad 1	16BtBld1
24	16Beat R&B	16BtR&B
25	Pop 16Beat 1	Pop16Bt1
26	16Beat Funk 2	16BtFuk2
27	16Beat Dance	16BtDanc
28	Pop 16Beat 2	Pop16Bt2
29	16Beat 2	16Beat2
30	Pop 16Beat 3	Pop16Bt3
31	Pop 16Beat 4	Pop16Bt4
32	Modern 16Beat	Modr16Bt
33	16Beat Hot	16BtHot
34	16Beat Modern	16BtModr
35	16Beat Funk 3	16BtFuk3
36	16Beat 3	16Beat3
37	Cool Beat	CoolBeat
38	16Beat Ballad 2	16BtBld2
39	16Beat 4	16Beat4
40	Pop Shuffle	PopShfl
POP&BALLAD		
41	Pop Rock 1	PopRock1
42	Pop Dance 1	PopDanc1
43	Pop Fusion	PopFusn
44	Analog Night 1	AnalgNt1
45	6/8 Pop	6/8Pop
46	Brit. Pop 1	BritPop1
47	Brit. Pop 2	BritPop2
48	Pop Hit	PopHit
49	Fusion Shuffle	FusShufl
50	Analog Night 2	AnalgNt2
51	Guitar Pop 3	GtPop3
52	Pop Beat	PopBeat
53	Soft Beat	SoftBeat
54	60's Pop	60'sPop
55	Sting Latin	StigLatn
56	R&B Ballad 1	R&BBld1
57	Guitar Ballad	GtBallad
58	Ballad Rock	BaldRock
59	Piano Pop	PianoPop
60	Soft Ballad	SoftBald
61	Natural Ballad	NatulBld
62	Love Ballad	LoveBald
63	Easy Ballad	EasyBald
64	Miami Ballad	MiamiBld
65	Slow Ballad	SlowBald
66	Folk Ballad	FolkBald
67	Pop Ballad 1	PopBald1
68	Pop Ballad 2	PopBald2
69	EP Ballad	EPBallad
70	New R&B Ballad	NewRBBld
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

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Style List

106	Hip Hop 1	HipHop1
107	House 1	House1
108	House 2	House2
109	Pop Dance 2	PopDanc2
110	Down Beat	DownBeat
111	Techno 2	Techno2
112	Progressive	Progress
113	Rap 1	Rap1
114	Rap 2	Rap2
115	Disco	Disco
116	Soft Disco	SoftDisc
117	Disco Party	DscParty
118	70's Disco	70'sDisc
119	70's Disco Funk	70'sFunk
120	Club Dance	ClubDanc
121	Euro Dance	EuroDanc
122	Hip Hop 2	HipHop2
123	Garage	Garage
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
143	Latin Jazz 1	LatinJz1
144	Big Band 1	BigBand1
145	Dixieland 1	Dixland1
146	Guitar Swing 1	GtSwing1
147	Broadway Big Band	BwayBand
148	Swing	Swing
149	Latin Jazz 2	LatinJz2
150	Fusion	Fusion
151	Acid Jazz	AcidJazz
152	Cool Jazz Ballad	CoolJzBd
153	Swing Shuffle	SwingSfl
154	Big Band Medium	BandMid
155	Dixieland 2	Dixland2
156	Acoustic Jazz	AcoustJz
157	Guitar Swing 2	GtSwing2
158	Ragtime	Ragtime
159	Modern Jazz Ballad	MdJzBald
160	Swing Ballad	SwingBal

161	Orchestra Swing	OrhSwing
COUNTRY		
162	Country Pop 1	CntyPop1
163	Bluegrass 1	Blugras1
164	8Beat Country	8BtCnty
165	Modern Country	ModrCnty
166	Country Pop 2	CntyPop2
167	Bluegrass 2	Blugras2
168	2/4 Country	2/4Cntry
169	Country Quick Steps	QuickStp
170	Country Folk	CntyFolk
171	Country Shuffle	CnyShufl
LATIN & LATIN DANCE		
172	Samba 3	Samba3
173	Bossa Nova	BosaNova
174	Latin	Latin
175	New Reggae	NewRegga
176	Reggae Dance	DanRegga
177	Paso Doble	Pasodobl
178	Lite Bossa	LteBossa
179	Latin Rock	LatinRck
180	Beguine 3	Beguine3
181	Slow Bolero	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 & TRADITIONAL		
192	Waltz	Waltz
193	Old Waltz	OldWaltz
194	English Waltz	EngWaltz
195	German Waltz	GemWaltz
196	Italian Mazurka	ItaMazuk
197	Mexico Waltz	MexWaltz
198	Vienna Waltz	VinaWltz
199	Slow Waltz 2	SlwWltz2
200	Jazz Waltz	JazzWltz
201	Polka	Polka
202	6/8 March	6/8March
203	German Polka	GemPolka
204	Party Polka	PtyPolka
205	Army March	ArmMarch
206	March	March
207	US March	USMarch
208	Musette	Musette
209	French Musette	FMusette
210	Mazurka	Mazurka
WORLD		
211	Enka Ballad	EnkaBald
212	Laendler	Laendler

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

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Song List

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

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

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Demo List

No.	English Name	LCD Name
1	Ballad	Ballad
2	Funk	Funk
3	Bossa Nova	BosaNova
4	Jazz	Jazz
5	Electric	Electric

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Album List

No.	NAME	LCD DISPLAY
1	Fly me to the moon	FlyMoon
2	Moon river	MoonRivr
3	Unchained melody	Melody
4	Yesterday	Yestday
5	Again	Again
6	Only you	OnlyYou
7	Rock around the clock	Rock
8	Hey jude	HeyJude
9	Are you lonesome tonight?	Lonesome
10	Toccata	Toccata
11	El condor pasa	ElCondor
12	The way we were	TheWay
13	Misty	Misty
14	The girl from ipanema	Ipanema
15	Words	Words
16	13 Jours en france	13France
17	Never on sunday	NeverSun
18	If	If
19	Ebb tide	EbbTide
20	Siboney	Siboney
21	One way ticket to the blues	OWTickts
22	The sound of silence	Silence
23	Massachusetts	Maschuse
24	Sealed with a kiss	Sealed
25	Oh! Carol	Oh!Carol
26	Can't help fallin' in love	InLove
27	In the mood	InMood
28	A lover's concerto	Concerto
29	A whiter shade of pale	WhtShade
30	Greensleeves	Sleeves
31	My darling clementine	Clemtine
32	Petite fleur	Fleur
33	Sail along silv'ry moon	SilyMoon
34	Do re mi	DoReMi
35	Around the world	AroWorld
36	Summertime	Summer
37	Sleepy Lagoon	Lagoon
38	La reine de saba	Saba
39	Speak softly love	SoftLove
40	Love story	LovStory
41	Tombe la neige	LaNeige
42	L'amour est blue	L'amour
43	How deep is your love	DeepLove
44	Superstar	Superstr
45	Yesterday once more	OnceMore
46	Top of the world	TopWorld
47	La playa	LaPlaya
48	The shadow of your smile	UrSmile
49	Lara's theme from "Doctor zhivago"	Zhivago
50	Rhythm of the rain	RhymRain
51	Danny boy	DannyBoy
52	Auld lang syne	LangSyne
53	Five hundred miles	500Miles
54	Jingle bells	JingBell
55	Silent night	SltNight
56	Joy to the world	JoyWorld
57	Happy birthday to you	Birthday
58	Bridal march	Bridal
59	Green grass of home	GreenGrs
60	La mer	LaMer
61	My way	MyWay
62	Blue tango	BluTango
63	Hungarian dances no.5	Hungaian
64	Wedding march	Wedding
65	Air for the G-string	G-String
66	Kaiser walzer	Kaiser
67	An der shonen blauen donau	Donau
68	Triumphal march	Trimphal
69	Gavotte	Gavotte
70	The skaters waltz	Skaters
71	Serenata rimpiant	Serenata
72	The dying swan	DyingSwn
73	Valse des fleurs	Fleurs
74	Dance des mirlitons	Mirliton
75	Traumerei	Traumere
76	Etude op.10 no.3	Etude3
77	Waves of the danube	Danube
78	Wiegenlied	Wieglied
79	Auf flugeln des gesanges	Gesanges
80	New world	NewWorld
81	Chanson du toreador	Toreador
82	Serenade	Serenade
83	Ave maria	AveMaria
84	Wiegenlied 2	Wieglid2
85	March militaire	Militair
86	Red river valley	RedRiver
87	Annie laurie	AnnieLa
88	Carry me back to old virginny	Virginny
89	Beautiful dreamer	Dreamer
90	La paloma	LaPaloma
91	Home sweet home	SwetHome
92	Long long ago	LongAgo
93	Santa lucia	SantaLuc
94	Old folks at home	OldFolks
95	Oh! Susanna	Susanna
96	Sweet and gentle	SwetGtle
97	Mambo No. 5	MamboNo5
98	Always in my heart	MyHeart
99	Brazil	Brazil
100	Mambo No. 8	MamboNo8
101	Tico-tico	TicoTico
102	Miami beach rumba	MamiRmba
103	Tennessee waltz	Tennesse
104	Beyond the reef	BeyndRef
105	You are my sunshine	Sunshine
106	Una lacrima sul viso	Lacrima
107	The river of no return	NoReturn
108	The end of the world	EndWorld
109	Last waltz	LastWltz
110	Tie a yellow ribbon'round the ole oak tree	YeRibbon
111	Sailing	Sailing
112	Hymne a l'amour	L'amour
113	O sole mio	OSoleMio
114	Arirang	Arirang
115	The house of the rising sun	RiseSun
116	Over the rainbow	Rainbow
117	Menuet	Menuet
118	Fruhlingsstimmen	Fruhling
119	Songs of spring	SngSprig
120	Frohlicher landmann	Landmann

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MIDI Implementation Chart

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

Notes: *1

When the accompaniment is started, an FAH message is transmitted.
When the accompaniment is stopped, an FCH message is transmitted.

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

×: NO
○: YES

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