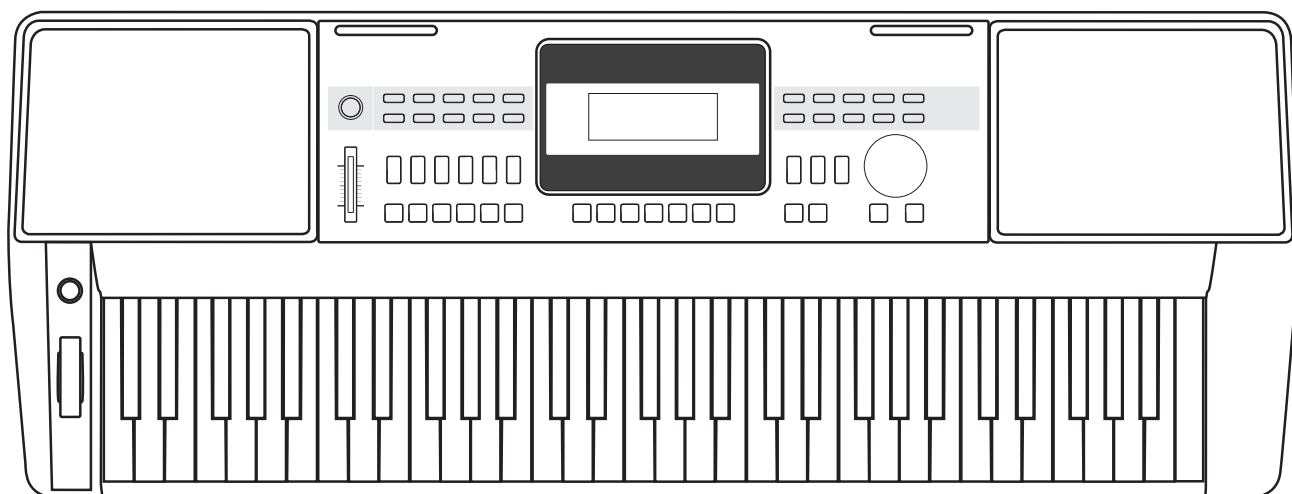


ELECTRONIC KEYBOARD

Owner's Manual



INFORMATION FOR YOUR SAFETY!

THE FCC REGULATION WARNING (for USA)

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

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

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

CAUTION

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

PRECAUTIONS

PLEASE READ CAREFULLY BEFORE PROCEEDING

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

Power Supply

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

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

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

Connections

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

Location

Do not expose the instrument to the following conditions to avoid deformation, discoloration, or more serious damage:

- Direct sunlight
- Extreme temperature or humidity
- Excessive dusty or dirty location
- Strong vibrations or shocks
- Close to magnetic fields

Interference with other electrical devices

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

Cleaning

Clean only with a soft, dry cloth.

Do not use paint thinners, solvents, cleaning fluids, or chemical-impregnated wiping cloths.

Handling

Do not apply excessive force to the switches or controls.

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

Disconnect all cables before moving the instrument.

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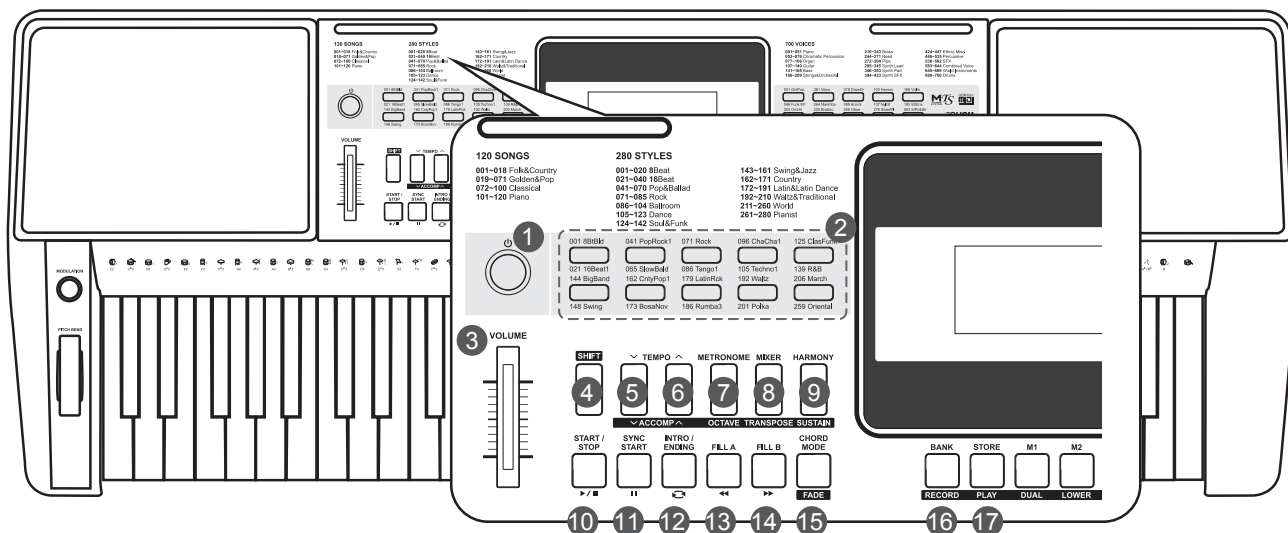
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Panel & Display Description

Front Panel



1. POWER SWITCH

Turn the Power on or off.

2. Style Select buttons

Directly select a preset style.

3. [VOLUME] Slider

Adjust the master Volume.

4. [SHIFT] button

Press and hold it to access secondary functions of other buttons.

When the [SHIFT] button released

5-6. [TEMPO+/-] button

Adjust the current Tempo.

7. [METRONOME] button

Turn the metronome on or off.

8. [MIXER] button

Enter the Mixer menu.

9. [HARMONY] button

Turn the Harmony effect on or off.

15. [CHORD MODE] button

Enter the chord mode.

16. [BANK] button

Select a memory bank.

17. [STORE] button

Save current panel settings to one of the memories.

When the [SHIFT] button pressed

5-6. [ACCOMP+/-] button

Adjust the ACCOMP volume.

7. [OCTAVE] button

Turn the Octave setting on or off.

8. [TRANPOSE] button

Turn the Transpose setting on or off.

9. [SUSTAIN] button

Turn the Sustain function on or off.

15. [FADE] button

Turn the Fade In/Out function on or off.

16. [RECORD] button

Enter the Recording Mode.

17. [PLAY] button

Play back recordings.

In Style Mode

10. [START/ STOP] button

Start or Stop playing the style.

11. [SYNC START] button

Turn the Sync Start on or off.

12. [INTRO/ ENDING] button

Play the Intro or Ending.

13. [FILL A] button

Play the Fill-in pattern A.

14. [FILL B] button

Play the Fill-in pattern B.

In Song Mode

10. [▶/■] button

Start or Stop playing the song.

11. [⏸] button

Pause or continue playing the song.

12. [↺] button

Set the beginning and the end for a loop section of the current song.

13. [◀] button

Rewind the song.

14. [▶] button

Fast forward the song.

Rear Panel

35. PHONES jack

Connect a pair of headphones.

36. SUSTAIN jack

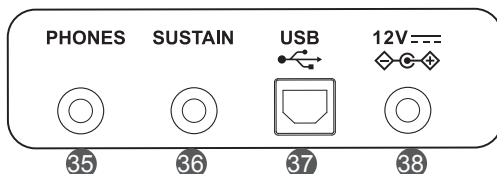
Connect a sustain pedal.

37. USB terminal

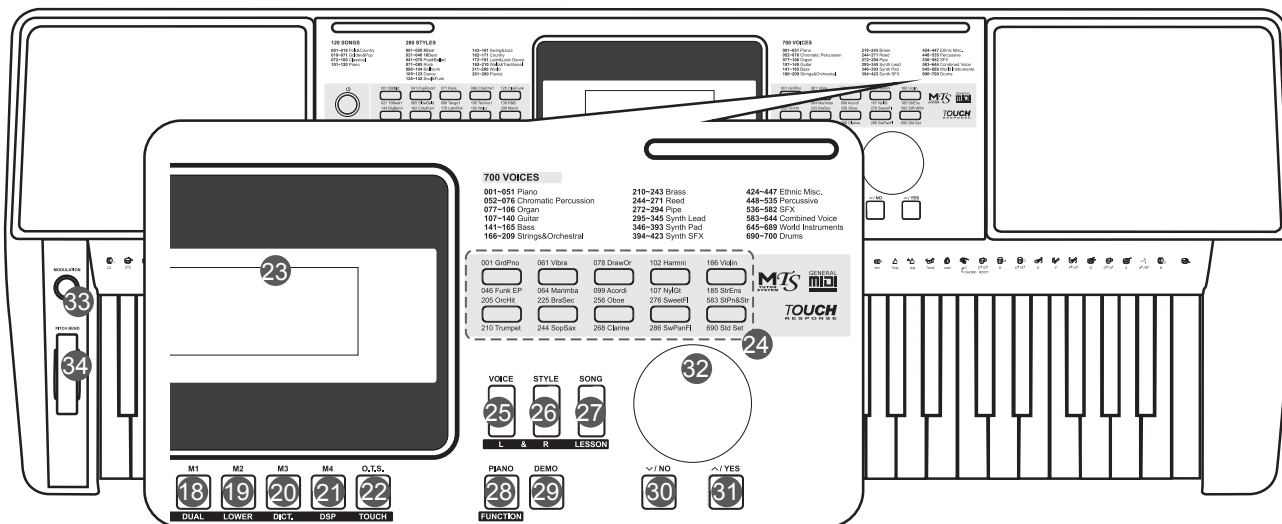
Connect to a computer.

38. DC 12V jack

Connect DC 12V power adaptor.



Panel & Display Description



23. LCD display

Display important setting information.

24. Voice Select buttons

Directly select a preset voice.

29. [DEMO] button

Switch to Demo Mode.

30 ~ 31. [+ / YES] / [- / NO] button

Adjust parameter value.

32. DATA DIAL

Adjust the parameter value.

33. [MODULATION] button

Apply a vibrato effect.

34. [PITCH BEND] wheel

Bend notes up or down.

When the [SHIFT] button Released

18~21. [M1] ~ [M4] buttons

Instantly call up a panel setting.

22. [O.T.S.] button

Turn the One Touch Setting function on or off.

25. [VOICE] button

Switch to Voice Mode.

26. [STYLE] button

Switch to Style Mode.

27. [SONG] button

Enter the Song Mode.

28. [PIANO] button

Enter the Piano Mode.

When the [SHIFT] button Pressed

18. [DUAL] button

Turn the Dual function on or off.

19. [LOWER] button

Turn the Lower function on or off.

20. [DICT.] button

Enter the Chord Dictionary.

21. [DSP] button

Turn the DSP function on or off.

22. [TOUCH] button

Turn the Touch Response on or off.

25. [L] button

Choose to practice the left hand part.

26. [R] button

Choose to practice the right hand part.

27. [LESSON] button

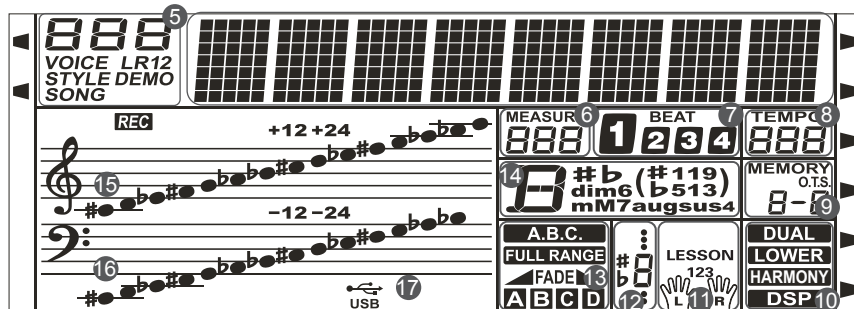
Enter the Lesson Mode.

28. [FUNCTION] button

Enter the Function Menu.

LCD

- ① RECORD
- ② MODULATION



- 1. RECORD
- 2. MODULATION
- 3. TOUCH
- 4. SUSTAIN
- 5. VOICE/STYLE/DEMO/SONG
- 6. MEASURE

- 7. BEAT
- 8. TEMPO
- 9. M1-M4/ONE TOUCH SETTING
- 10. DUAL/ LOWER/ HARMONY/ DSP
- 11. LEFT/RIGHT HAND LESSON MODE
- 12. NUMBER MUSICAL NOTATION

- 13. A.B.C. / FULL RANGE/ FADE/A/B
- 14. CHORD
- 15. TREBLE CLEF
- 16. BASS CLEF
- 17. USB

Setup

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

Power Supply

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

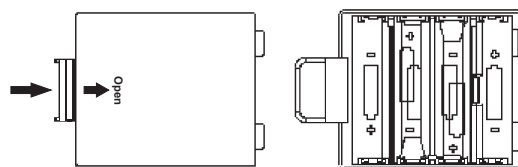
Using Batteries

The instrument requires six AA size or equivalent alkaline batteries for power supply.

1. Open the battery cabinet cover located on the bottom of the instrument.
2. Insert the batteries, carefully following the polarity markings on the cabinet.
3. Replace the cabinet cover. Make sure it locks firmly in place.

Notes:

1. Do not mix used and new batteries.
2. Always use the same types of batteries.
3. Remove the batteries when the instrument is not in use for a long period of time.

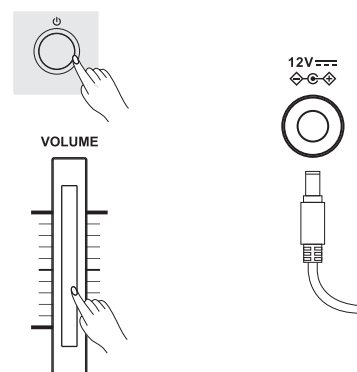


Using Power Adaptor

1. Before connecting to power supply, please set the [POWER] switch to OFF and set the master volume to minimum level.
2. Connect the power adaptor to the DC IN jack on the rear panel.
3. Plug the power adaptor into an appropriate AC outlet.

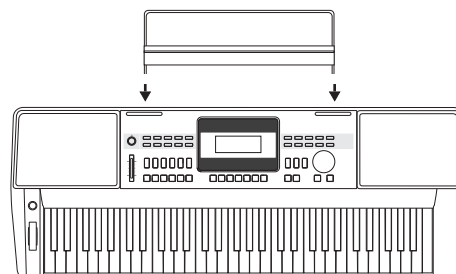
Notes:

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



Setting the Music Stand

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

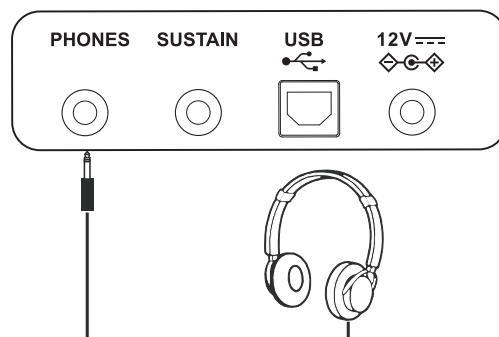


Connecting a Pair of Headphones

A standard pair of stereo headphones can be connected to the PHONES jack for private practice or late-night playing. When a pair of headphones is plugged in, the internal speakers will be automatically shut off, sound can only be heard from the headphones.

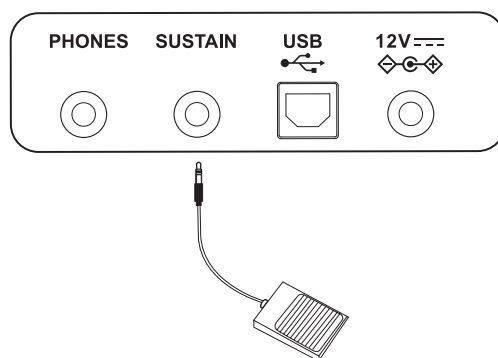
Note:

To avoid the risk of hearing loss, do not use headphones at high volume levels for a long period of time



Connecting a Sustain Pedal

A pedal can be plugged into the sustain jack and be used to switch sustain on or off. You can assign different functions to the connected pedal in the Function Menu. Please refer to the Function Menu for details.

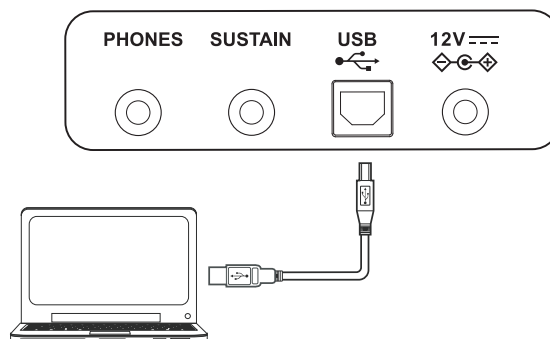


Connecting a Computer

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.

Note:

In case the instrument does not correctly transmit messages with the computer via a USB3.0 interface, please use a USB2.0 interface.



Power Switch and Master Volume

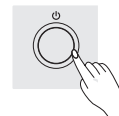
Power Switch

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

1. Make sure the instrument is properly connected to power supply.
2. Press the POWER switch, the LCD screen will be lit and display parameters, indicating the instrument is powered on.

Note:

If the LCD display does not light up after you turned on the instrument, please check the power connection.

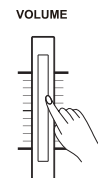


Adjust the Master Volume

Move the [VOLUME] slider upwards to increase the volume level, or move the slider downwards to decrease the volume level.

Note:

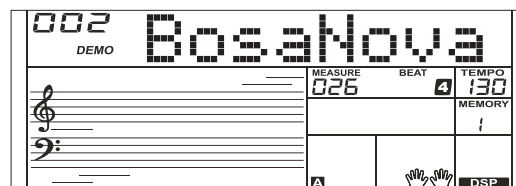
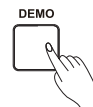
If the speakers do not produce sound, please check if the master volume is set too low or if headphones are plugged into the PHONES jack.



Playing Demo Songs

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

1. Press the [DEMO] button to enter the demo mode and start playing all demo songs in a loop.
2. Use the data dial or the [+ / Yes] / [- / No] button to select a demo song.
3. Press the [DEMO] or [START/STOP] button to stop playing, and exit demo mode.

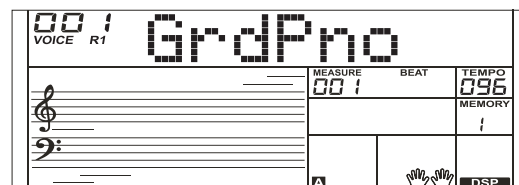


Playing Voices

1. Press the [VOICE] button.
Enter the Voice Mode. The LCD displays the current default voice name and number.
2. Select a Voice.
Use the data dial or [+ / Yes] / [- / No] button to select a desired voice. You can also use the Voice select buttons to select a voice. Each button has two preset voices. Press it repeatedly to switch between the first and the second preset voice.
3. Play the Voice.
Play the keyboard to use the selected voice for performance.



| | | | | |
|-------------|-------------|-------------|-------------|--------------|
| 001 GrdPno | 061 Vibra | 078 DrawOr | 102 Harmni | 166 Violin |
| 046 Funk EP | 064 Marimba | 099 Acordi | 107 NyIGt | 185 StrEns |
| 205 OrchHit | 225 BraSec | 256 Oboe | 276 SweetFl | 583 StPn&Str |
| 210 Trumpet | 244 SopSax | 268 Clarine | 286 SwPanFl | 690 Std Set |



Note:

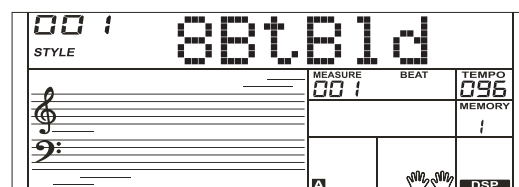
Each voice select button has two preset voices. Press the button repeatedly to switch between the upper and lower preset voice. If you select the upper voice of a button, pressing another button will also select the upper voice of that button. In the same way, if you select the lower voice of a button, pressing another button will select the lower voice of that button.

Playing Styles

1. Press the [STYLE] button.
Enter the Style Mode. The LCD displays the current default style name and number.
2. Select a Style.
Use the data dial or [+ / Yes] / [- / No] button to select a desired style. You can also use the Style select buttons to select a style. Each button has two preset styles. Press it repeatedly to switch between the first and the second preset style.
3. Play the Style.
Press the [START/STOP] button to start playing a rhythm. Or you can press the [SYNC START] button, and press any keys to start the rhythm playing.



| | | | | |
|-------------|--------------|---------------|-------------|--------------|
| 001 8BitBld | 041 PopRock1 | 071 Rock | 096 ChaCha1 | 125 ClasFunk |
| 021 16Beat1 | 065 SlowBald | 086 Tango1 | 105 Techno1 | 139 R&B |
| 144 BigBand | 162 CntyPop1 | 179 LatinRock | 192 Waltz | 206 March |
| 148 Swing | 173 BosaNov | 186 Rumba3 | 201 Polka | 259 Oriental |



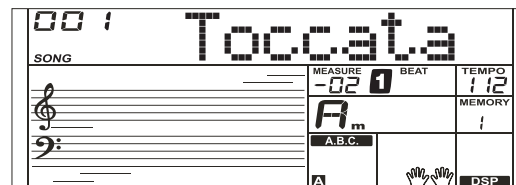
Note:

Each style select button has two preset styles. Press the button repeatedly to switch between the upper and lower preset style. If you select the upper style of a button, pressing another button will also select the upper style of that button. In the same way, if you select the lower style of a button, pressing another button will select the lower style of that button.

Playing Songs

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

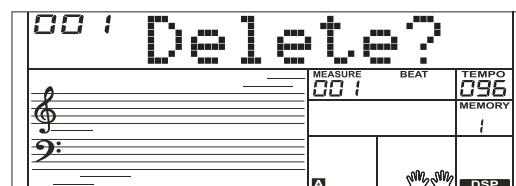
1. Press the [SONG] button.
Enter the song mode. It will play all songs circularly.
2. Select a song.
Use the data dial or the [+ / YES] / [- / NO] button to select the song you want to play.
3. Press the [START/STOP] button.
It will stop song playback. Press it again, it will play the current song repeatedly.
4. When song playback is stopped, press the [STYLE] or [VOICE] button to exit the song mode.



Recording

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

1. Press and hold [SHIFT], then press the [RECORD] button to enter the user song menu. Then use the data dial or the [+ / YES] / [- / NO] button to select a user song to which your recording will be saved.
2. Press and hold [SHIFT], then press the [RECORD] button to enter recording standby mode. You can select the desired voice, style etc. for recording.
3. Press the [START/STOP] button or play the keyboard to start recording.
4. During recording, press and hold [SHIFT], then press the [RECORD] button to exit recording.
5. When exit recording, press and hold [SHIFT], then press the [PLAY] button to enter the play menu. Use the data dial or the [+ / YES] / [- / NO] button to select a user song. Again press and hold [SHIFT], then press the [PLAY] button to play back the selected user song.
6. During playback, press and hold [SHIFT], then press the [PLAY] button to exit the playback.
7. In the play menu, press and hold [SHIFT], then press the [RECORD] button, it will prompt "Delete?". You can press [+ / YES] to delete the current user song, or press [- / NO] to cancel and go back to the play menu.



Playing the Voices

The instrument features a variety of exceptionally realistic voices. Please refer to the Voice List.

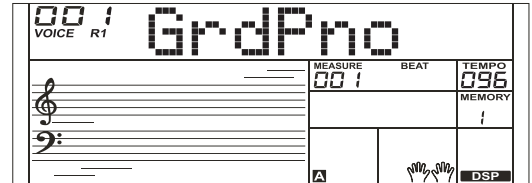
Selecting a Voice

When power on, the "VOICE R1" icon will be lit and the LCD will display the current voice name and number.

Use the data dial or [+ / YES] / [- / NO] button to select a desired voice. You can also use the Voice select buttons to select a preset voice.

Note:

when the dual and lower function are in use, you can press the [VOICE] button repeatedly to switch between Voice R1, R2 and L.



Playing Two Voice Simultaneously

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

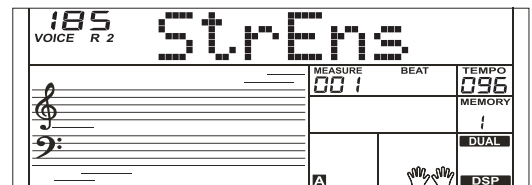
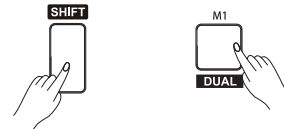
1. Press and hold [SHIFT], then press the [DUAL] button to turn on the dual function. The "DUAL" and "VOICE R2" icons light up and the LCD shows the current dual voice number and name.

Use the data dial or [+ / Yes] / [- / No] button to select a dual voice. Or press one of the Voice select buttons to select a preset voice.

2. In dual mode, press and hold [SHIFT], then press the [DUAL] button to turn off the dual function. The "DUAL" and "VOICE R2" icons become unlit.

Note:

When the lower and dual functions are in use, only the right hand area will play the dual voice.

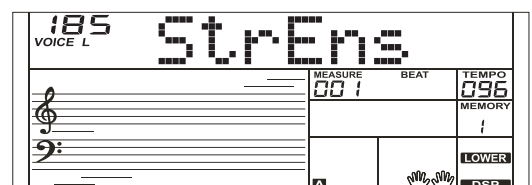
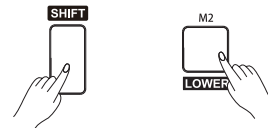


Playing Different Voices with Both Hands

The lower function splits the keyboard into the left and the right hand areas, each playing a different voice. The left hand voice is the lower voice "L".

The default split point is F#3 (19), however you can assign it to any other key. Please refer to the Function Menu.

1. Press and hold [SHIFT], then press the [LOWER] button to turn on the Lower function. The "LOWER" and "L" icons light up and the LCD shows the current lower voice number and name.
2. Use the data dial or [+ / Yes] / [- / No] button to select a lower voice. Or press one of the Voice select buttons to select a preset voice.
3. In lower mode, press and hold [SHIFT], then press the [LOWER] button to turn off the lower function. The "LOWER" and "VOICE L" icons become unlit.

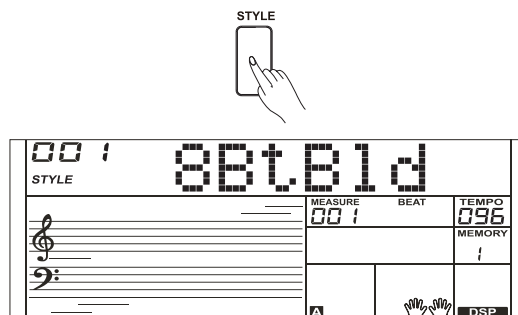


Auto Accompaniment

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

Play Auto Accompaniment (rhythm track only)

1. Press [STYLE] button.
Enter the style mode. The "STYLE" icon will light up. The LCD displays the name and number of the current style.
2. Select a style.
Use the data dial or [+]/Yes)/[-/No] button to select a desired style. Or press one of the Style select buttons to select a preset style.
3. Start playing a style.
Press the [START/STOP] button to start the rhythm tracks of the auto accompaniment. Also you can press [SYNC START] and then play any key to start the rhythm tracks of the auto accompaniment.



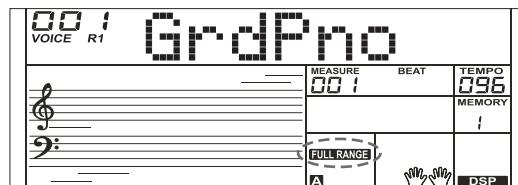
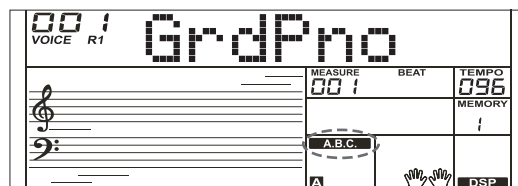
Play Auto Accompaniment (all tracks)

1. Turn on the auto accompaniment function.
Press the [CHORD MODE] button to turn on the A.B.C. function. The "A.B.C" indicator will be lit. The keyboard is split and the left hand area is the chord section. You can play different chords in the chord section.

Press the [CHORD MODE] button again to enter full range mode. The "FULL RANGE" indicator will be lit. You can play chords over the entire keyboard in multi-fingering.

2. Play auto accompaniment of all tracks.
Press the [SYNC START] button, then play a chord in the chord area to start the auto accompaniment. When you play a different chord, the accompaniment will change along.

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



Accompaniment Sections

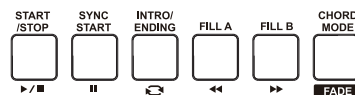
Specially created sections can be added into the accompaniment, making your performance more professional and personalized.

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

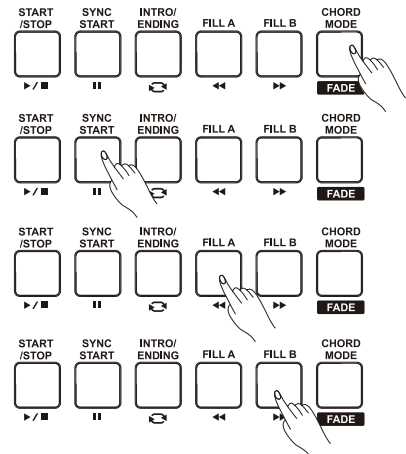
Auto fill in function automatically adds a fill to your performance. When the fill-in is finished, accompaniment shifts to the Main section.

ENDING Section

The Ending is the ending section of a song. When the ending is finished, accompaniment automatically stops. The length of the ending differs depending on the selected style.

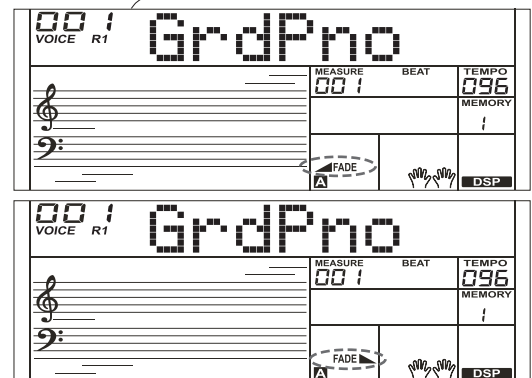
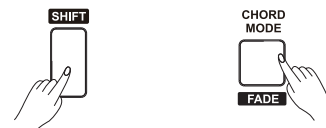
Playing Different Accompaniment Sections

1. Press the [STYLE] button.
2. Press a Style select button, data dial or [+ /YES] / [- /NO] button to select a style.
3. Press [CHORD MODE] button to enter A.B.C. mode.
4. Press [SYNC START] button.
5. Press the [FILL A] button, select the Main A section.
6. Press the [INTRO/ENDING] button. Now the “A” indicator flashes on LCD, and 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 is finished, it automatically leads into Main A section.
8. Press the [FILL B] button. A fill-in plays, automatically followed by the Main B section.
9. Press the [INTRO/ENDING] button to play an ending. When the ending is finished, the auto accompaniment automatically stops.



Fade

1. Fade In
When style is stopped, press and hold [SHIFT], then press the [FADE] button to turn on the fade-in function. When style starts playing, the volume will increase from low to high and the “▲FADE” icon will flash along.
2. Fade Out
During style playback, press and hold [SHIFT], then press the [FADE] button to turn on the fade-out function. The volume will decrease from high to low and the “FADE▼” icon will flash along until the style is stopped.
3. Fade In/ Out Time
The default time value is 10 seconds.



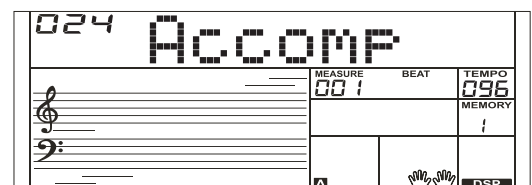
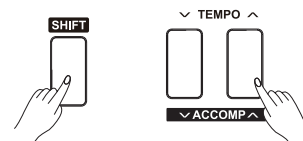
Accompaniment Volume Control

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

1. Press and hold [SHIFT], then press the [ACCOMP +]/[ACCOMP -] button to set accompaniment volume over the range of 0~32. The LCD displays the current volume level.
2. Press and hold [SHIFT], then hold down the [ACCOMP +]/[ACCOMP -] to make a quick change in the value.
3. When LCD displays the volume level, press and hold [SHIFT], then press the [ACCOMP +] and [ACCOMP -] buttons simultaneously to mute the accompaniment part. The LCD displays “OFF Accomp”. Do the operation again to turn on the accompaniment volume.

Note:

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



Auto Accompaniment

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

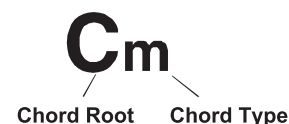
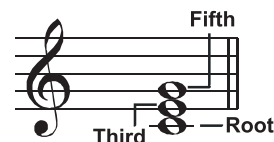
Single-finger makes it easy to produce major, seventh, minor and minor seventh chords by pressing a minimum number of keys on the auto accompaniment section.

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.



| | |
|--|--|
| | ★Major Triad Only press the root note on the keyboard. |
| | ★Minor Triad Press the root note and the nearest left black key simultaneously. |
| | ★Seventh chord Press the root note and the nearest left white key simultaneously. |
| | ★Minor seventh chord Press the root note and the nearest left white and black keys simultaneously. |

| | | | | | |
|---------------------------|---------------------------|--|---------------------------|----------------------------|----------------------------|
| 0 C | 1 C ₆ | 2 C ₇ | 3 C ₇ (#11) | 4 C _M (9) | 5 C _M 7(9) |
| 6 C ₆ (9) | 7 C _{aug} | 8 C _m | 9 C _m 6 | 10 C _m 7 | 11 C _m 7(b5) |
| 12 C _m (9) | 13 C _m 7(9) | 14 C _m 7(11) | 15 C _m M7 | 16 C _m M7(9) | 17 C _{dim} |
| 18 C _{dim} 7 | 19 C ₇ | 20 C ₇ sus4 | 21 C ₇ (b5) | 22 C ₇ (9) | 23 C ₇ (#11) |
| 24 C ₇ (13) | 25 C ₇ (b9) | 26 C ₇ (b13) | 27 C ₇ (#9) | 28 C _M 7aug | 29 C ₇ aug |
| 30 C _{sus4} | 31 C1+2+5 | Notes enclosed in parentheses are optional; the chords could be recognized without them. | | | |

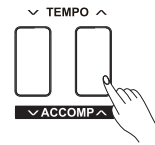
Tempo

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

1. Press the [TEMPO+]/ [TEMPO-] button to change the current tempo. Alternatively, when the tempo is flashing on LCD, use the data dial to make a quick change in the value.
2. Press the [TEMPO+] and [TEMPO-] buttons simultaneously to reset the tempo to the default value.

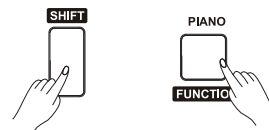
Note:

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



Function Menu

Press and hold the [SHIFT] button and then press the [FUNCTION] button to enter function menu. The LCD displays the current function menu option. Use [+ / YES] / [- / NO] button to set parameter of the current option.



Detailed parameters and their ranges:

| No. | Parameter | LCD display | Range | Default |
|-----|----------------|--------------|--|----------|
| 1 | Tune | XXX Tune | -50 ~ +50 | 0 |
| 2 | Split Point | XXX Split Pt | 1 - 61 | 19 |
| 3 | Beat Type | XXX Beat | 0, 2 - 9 | 4 |
| 4 | Pedal Type | XXX Ped XXX | Ped Sust, Ped Soft, Ped Mem, Ped St/S | Ped Sust |
| 5 | EQ Type | XXX EQ XXX | EQ Pop, EQ Rock, EQ Class, EQ Jazz, EQ Dance, EQ Reset | EQ Reset |
| 6 | Reverb Type | XXX RevHall1 | RevRoom1, RevRoom2, RevRoom3, RevHall1, RevHall2, RevHall3, RevChrh1, RevChrh2, RevDelay, RevPnDly | RevHall1 |
| 7 | Reverb Level | XXX Rev Lev | 0 - 32 | 23 |
| 8 | Chorus Type | XXX ChrGMCr2 | ChrChrs1, ChrChrs2, ChrGMCr1, ChrGMCr2, ChrFlgr1, ChrFlgr2, ChrRtry1, ChrRtry2 | ChrGMCr2 |
| 9 | Chorus Level | XXX Chr Lev | 0 - 32 | 0 |
| 10 | Harmony Type | XXX HrmDuet | HrmDuet, HrmStdTri, HrmFulCd, HrmRkDut, HrmCtDut, HrmCtTri, HrmBlock, Hrm4Cls1, Hrm4Cls2, Hrm4Open, Hrm1+5, HrmOctv1, HrmOctv2, HrmStrum | HrmDuet |
| 11 | MIDI In | XXX Midi In | 01 - 16, ALL | ALL |
| 12 | MIDI Out | XXX Midi Out | 01 - 16 | 01 |
| 13 | Auto Power Off | XXX PowerOff | 30, 60, OFF | 30 |

Note:

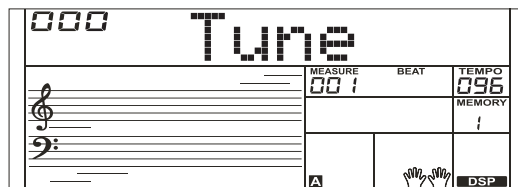
It will exit the function menu if there is no operation in 5 seconds.

Tune

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

1. Press and hold the [SHIFT] button and then repeatedly press the [FUNCTION] button to select the tune menu. The LCD displays "xxx Tune".
Use [+ / YES] / [- / NO] button or data dial to change tune value. Its range is from -50 to 50 cents.

2. Press [+ / YES] and [- / NO] buttons simultaneously to set the tune value to its default setting: 0.
3. The setting is applied to both accompaniment and the voice.



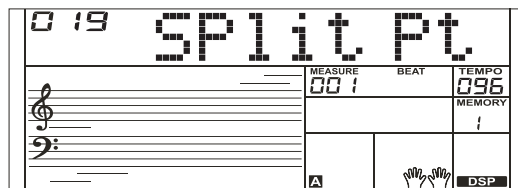
Split Point

This function assigns a key to split the entire keyboard into two areas.

1. Press and hold the [SHIFT] button and then repeatedly press the [FUNCTION] button to select split point menu. The LCD displays "xxx Split Pt". Use [+ / YES] / [- / NO] button or data dial to change Split Point.
2. Press [+] and [-] buttons simultaneously to set the split point value to its default setting.

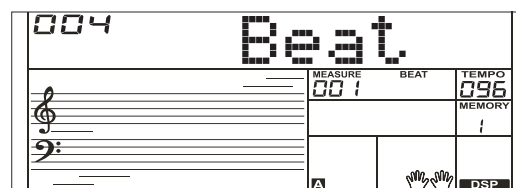
Note:

The Split point belongs to the left hand area.



Beat Type

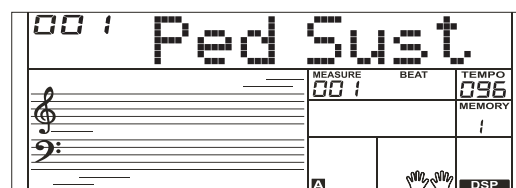
1. Press and hold the [SHIFT] button and then repeatedly press the [FUNCTION] button to select beat type menu. The LCD displays "xxx Beat".
Use [+ / YES] / [- / NO] button or data dial to change beat type. The range of beat type: 0, 2~9.
2. Press [+ / YES] and [- / NO] buttons simultaneously will set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



Pedal Type

1. Press and hold the [SHIFT] button and then repeatedly press the [FUNCTION] button to select pedal type menu. The LCD displays "001 Ped Sust".
Use [+ / YES] / [- / NO] button or data dial to change pedal type.
2. There are 4 types of pedal functions available. Default is Ped Sust.

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



Notes:

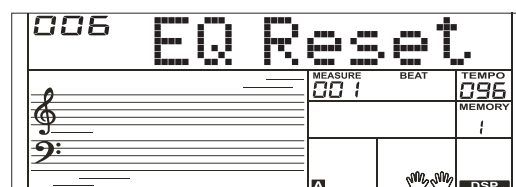
1. This instrument will automatically detect the type of the pedal when power on.
2. Do not press the pedal when turning the instrument on, otherwise, the pedal function will be inverted.

EQ Type

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

There are 6 EQ types available.

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



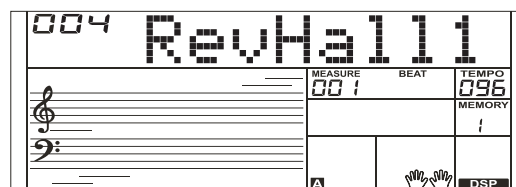
Function Menu

Reverb Type

Press and hold the [SHIFT] button and then repeatedly press the [FUNCTION] button to select reverb type menu. The LCD displays “004 RevHall1”.

Use [+ /YES]/ [-/NO] button or data dial to change reverb type. The default setting is Hall 1.

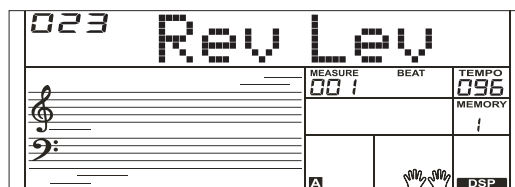
| No. | LCD Display | Reverb Type |
|-----|-------------|-------------|
| 1 | RevRoom1 | Room 1 |
| 2 | RevRoom2 | Room 2 |
| 3 | RevRoom3 | Room 3 |
| 4 | RevHall1 | Hall 1 |
| 5 | RevHall2 | Hall 2 |
| 6 | RevHall3 | Hall 3 |
| 7 | RevChrh1 | Church 1 |
| 8 | RevChrh2 | Church 2 |
| 9 | RevDelay |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



Reverb Level

Press and hold the [SHIFT] button and then repeatedly press the [FUNCTION] button to select reverb level. The LCD displays “xxx Rev Lev”, adjustable range is: 0-32.

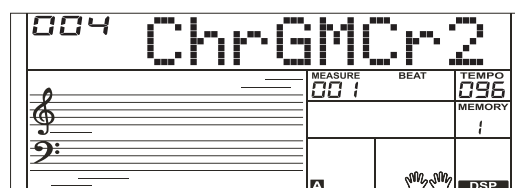
Use the [+ /YES]/ [-/NO] button or data dial to change reverb level, press the [+ /YES] and [-/NO] buttons simultaneously to restore its default setting: 23.



Chorus Type

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

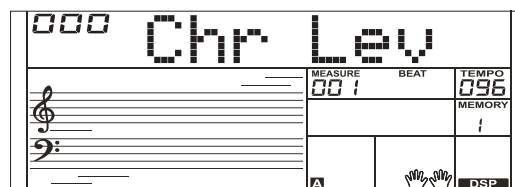
| NO. | LCD Display | Chorus Type |
|-----|-------------|-------------|
| 1 | ChrChrs1 | Chorus 1 |
| 2 | ChrChrs2 | Chorus 2 |
| 3 | ChrGMCr1 | GM Chorus 1 |
| 4 | ChrGMCr2 | GM Chorus 2 |
| 5 | ChrFlgr1 | Flanger 1 |
| 6 | ChrFlgr2 | Flanger 2 |
| 7 | ChrRtry1 | Rotary 1 |
| 8 | ChrRtry2 | Rotary 2 |



Chorus Level

Press and hold the [SHIFT] button and then repeatedly press the [FUNCTION] button to select chorus level menu. The LCD displays “xxx Chr Lev”, adjustable range: 0-32.

Use the [+ /YES]/ [-/NO] button or data dial to change chorus level. Press the [+ /YES] and [-/NO] buttons simultaneously to restore its default setting: 0.



Harmony Type

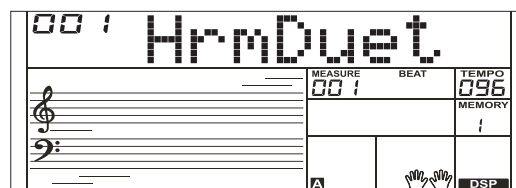
Press and hold the [SHIFT] button and then repeatedly press the [FUNCTION] button to select harmony type menu. The LCD displays "001 HrmDuet".

Use [+YES]/ [-NO] button or data dial to change harmony type.

The harmony types are as follows:

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

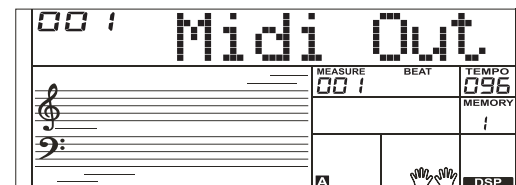
Press [+YES] and [-NO] buttons simultaneously to restore its default setting: Hrm Duet.



MIDI IN/ OUT

Press and hold the [SHIFT] button and then repeatedly press the [FUNCTION] button to select MIDI in/ out menu. The LCD displays "xxx Midi In"/ "xxx Midi Out".

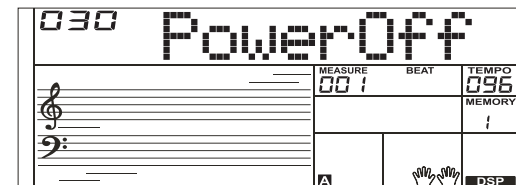
1. Use [+YES]/ [-NO] button or data dial to change MIDI in channel: 1~16, ALL. Press [+YES] and [-NO] buttons simultaneously to restore MIDI in channel to its default setting: ALL.
2. Use [+YES]/ [-NO] button or data dial to change MIDI out channel: 1~16. Press [+YES] and [-NO] buttons simultaneously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



Auto Power Off

Press and hold the [SHIFT] button and then repeatedly press the [FUNCTION] button to select auto power off menu. The LCD displays "xxx PowerOff".

Use [+YES]/ [-NO] button or data dial to change the time setting: 30 minutes, 60 minutes or OFF. The default setting is: 30 minutes.



Mixer

Mixer function adjusts separately the volume of different tracks.

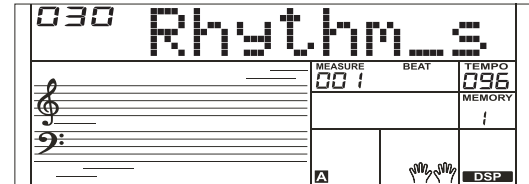
1. Press the [MIXER] button to enter the mixer menu. The LCD displays "030 Rhythm_s" for the initial time when power on. Next time when you enter the mixer menu, it will show the same option of your last operation.



2. Repeatedly press the [MIXER] button to select an option. Use [+ / YES] / [- / NO] button or data dial to change the value.

Detailed parameters and their volume ranges:

| Content | LCD Display | Range | Default Value |
|-------------------------------------|--------------|-------|---------------|
| Adjust the Rhythm track volume. | XXX Rhythm_s | 0-32 | 30 |
| Adjust the Percussion track volume. | XXX Rhythm_m | 0-32 | 30 |
| Adjust the Bass track volume. | XXX Bass | 0-32 | 27 |
| Adjust the Chord 1 track volume. | XXX Chord1 | 0-32 | 30 |
| Adjust the Chord 2 track volume. | XXX Chord2 | 0-32 | 30 |
| Adjust the Chord 3 track volume. | XXX Chord3 | 0-32 | 30 |
| Adjust the Phrase 1 track volume. | XXX Phrase1 | 0-32 | 30 |
| Adjust the Phrase 2 track volume. | XXX Phrase2 | 0-32 | 30 |
| Adjust the Upper 1 track volume. | XXX Upper 1 | 0-32 | 30 |
| Adjust the Upper 2 track volume. | XXX Upper 2 | 0-32 | 22 |
| Adjust the Lower track volume. | XXX Lower | 0-32 | 20 |



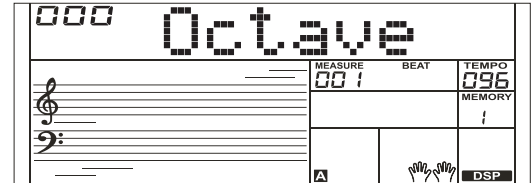
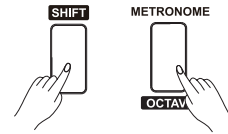
Note:

It will exit the mixer menu if there is no operation in 5 seconds.

Effect Related Settings

Octave

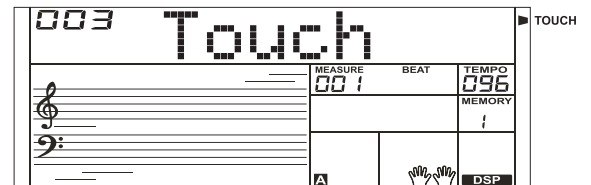
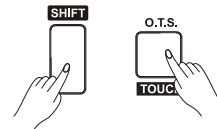
Press and hold the [SHIFT] button and then press the [OCTAVE] button to select octave menu. The LCD displays “xxx Octave”. Use [+ / YES] / [- / NO] button or data dial to change octave value, adjustable range is: -2 ~ +2. Press the [+ / YES] and [- / NO] buttons simultaneously to restore default setting: 0.



Touch

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

1. Press and hold the [SHIFT] button and then press the [TOUCH] button to enter touch menu. The LCD displays “xxx Touch”.
2. Use [+ / YES] / [- / NO] button or data dial to change touch response level. Default level of touch response is 3.
3. If the value is set to OFF, that means no touch response to keyboard.



Metronome

The metronome provides a steady beat to help you practice at a preset tempo. Press [METRONOME] button to start the metronome.

To stop the metronome, press the [METRONOME] button again. (The metronome type can be set in the function menu.)

Note:

If you turn on the metronome during style playback, the metronome sound will start from the next beat. Its time signature and tempo will be reset to match the current style.



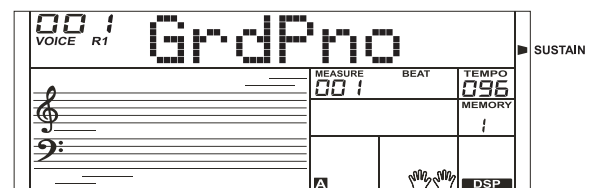
Sustain

1. Press and hold the [SHIFT] button and then press the [SUSTAIN] button to start sustain function.
The sustain icon lights up on LCD. The notes you play on the keyboard will have a longer sustain.

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

Note:

To have a better sustain effect, you can use a sustain pedal. (Refer to pedal function for more details.)



Effect Related Settings

Pitch Bend

Use the pitch bend wheel to bend notes up (roll the wheel away from you) or down (roll the wheel toward you) while playing the keyboard. The pitch bend wheel is self-centering and will automatically return to normal pitch when released.

With the pitch bend wheel, you can easily imitate the pitch bend effect of the guitar, violin, saxophone or other instruments, and make your performance more vivid.

Modulation

Press the [MODULATION] button to add a vibrato effect to the notes played on the keyboard. Release the button to stop the effect. The modulation effect plays an important part in the string performance such as urheen, guitar, and violin, greatly enriching your performance.

DSP

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

1. If the DSP effect is disabled, you can press and hold [SHIFT], then press the [DSP] button to turn it on. The DSP icon will be lit. The DSP is turned on by default when power on.
2. To disable the DSP effect, press and hold [SHIFT], then press the [DSP] button. The DSP icon becomes unlit.

Transpose

Press and hold the [SHIFT] button and then press the [TRANPOSE] button to enter the transpose menu. LCD displays "xxx Transpos". Use [+ /YES] / [- /NO] button or data dial to change transpose value, adjustable range:-12~ +12, the default value is: 0.

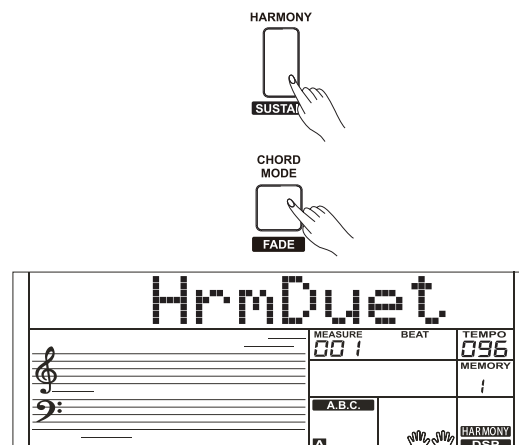
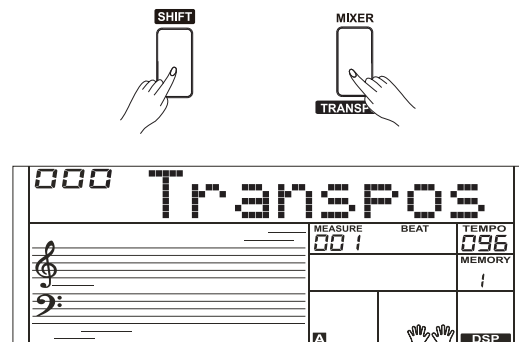
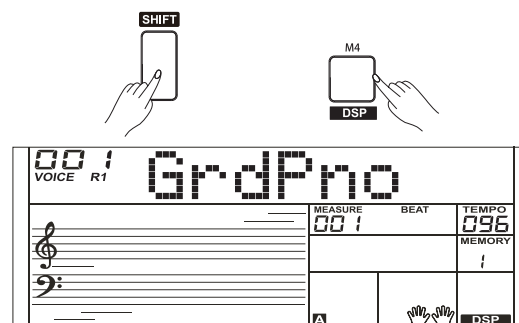
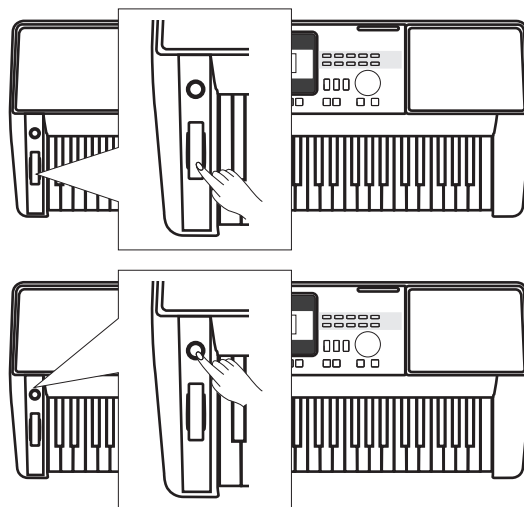
Harmony

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

1. Press the [HARMONY] button to turn the harmony effect on.
2. Press the [CHORD MODE] button to turn on the A.B.C. function.
3. Play a chord with your left hand.
4. Play in the right hand area, it will add harmony effect to the notes you play.

Notes:

1. Harmony function is not available when Full Range mode is in use.
2. Harmony types "Hrm1+5", "HrmOctv1" and "HrmOctv2" are always available, but the rest are not selectable until the A.B.C is turned on.



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.

Registration Banks

There are 12 memory banks, and each bank has 4 memories (M1-M4). Press the [BANK] button to select a bank over the range of 1 ~ 12. The LCD displays "xxx Mem Bank".

Registering the Panel Setting and Recalling the Registered Panel Settings

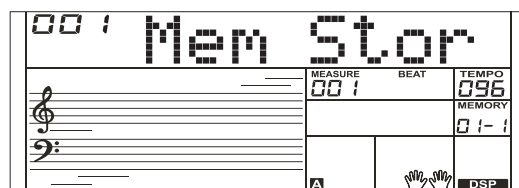
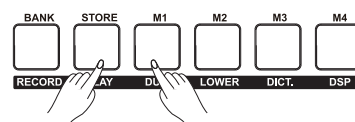
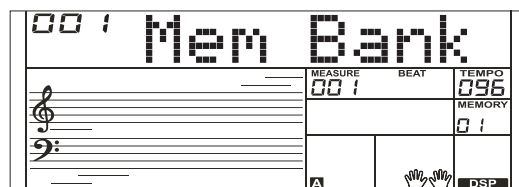
1. Press and hold the [STORE] button, then press one of the [M1]-[M4] buttons, it will save the current panel settings to the selected memory.
Note: The operation will overwrite the previous data.
2. Press one of [M1] - [M4] buttons, it will instantly recall the settings saved in the memory and set the control panel accordingly.

Registrable Parameters

You can store the following parameters to M1-M4: voice R1, voice R2, voice L, style, tempo, function menu, mixer settings.

Notes:

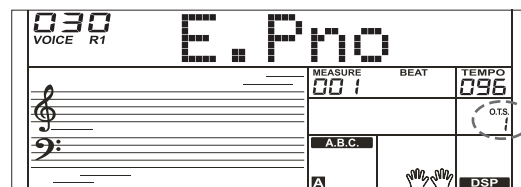
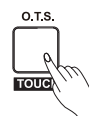
1. After recalling a memory, if you change the related panel settings, the current memory number will be cleared.
2. The stored parameters will not be lost after power off.



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 turn on the One Touch Setting function. The LCD displays "O.T.S.". Press one of the One Touch Setting buttons [M1]-[M4]. Various panel settings (such as voice, effect, etc.) that match the selected style can be instantly recalled. In O.T.S. mode, it automatically turns on the A.B.C. function and disables the dual and lower function.
2. In O.T.S. mode, if you press the [O.T.S.] button, it will switch to register memory. The "O.T.S." indicator goes out and the "MEMORY" indicator will be lit.
3. One Touch Setting parameters include:
Voice (Volume, Pan, Octave)
Dual (Volume, Pan, Octave)
Left Hand (Volume, Pan, Octave)



Note:

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

Recording

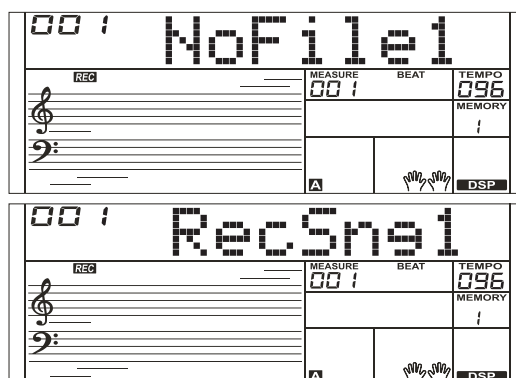
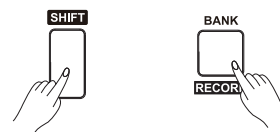
You can record in real time and save your keyboard performance as a user song on the instrument.

Prepare Recording

1. Before you start recording, you need to select a user song to which the recording will be saved.
2. Press and hold [SHIFT], then press the [RECORD] button to enter the user song menu. The "REC" indicator will be lit. Use the data dial or the [+YES]/[-NO] button to select a user song. If the selected user song is blank, the LCD will display "NoFileX". If the user song you select has data, the LCD will display "xxx RecSngX", such as "001 RecSng1".
3. Press and hold [SHIFT], then press the [RECORD] button to enter recording standby mode. The "REC" indicator and the beats start flashing. You can select the desired voice, style etc. for recording.
4. In recording standby mode, you can press and hold [SHIFT], then press the [RECORD] button to exit the record mode.

Note:

If the selected user song has data, after recording, the previous data will be replaced.



Start Recording

1. In recording standby mode, press the [START/STOP] button to start recording. The beats on LCD will flash in circle, and the measure starts to count. You can press the [STAR/ STOP] button to start or stop playing the style.
2. Alternatively, you can play the keyboard to start recording. If the A.B.C. function is turned on, playing the keys in the left hand section will start chord accompaniment. In recording standby mode, if the A.B.C. function is not in use, you can press the [START/ STOP] button twice to start playing the style.
3. In record mode, the [SYNC START] button is not selectable.



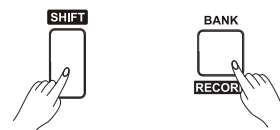
Stop Recording

Manually Stop Recording

Press and hold the [SHIFT] button and then press the [RECORD] button to stop recording. The "REC" icon and the beats become unlit.

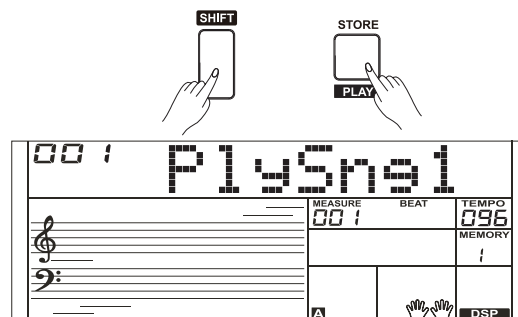
Automatically Stop Recoding

1. When recording is in process, if the memory is full, the recording will stop and save automatically.
2. During recording, if the style is playing, you can press the [INTRO/ ENDING] button to play an ending. Recording will automatically stop when the ending section is finished.



Playback Recording

1. Press and hold [SHIFT], then press [PLAY] to enter the play menu. Use the data dial or [+YES]/ [-/NO] button to select a user song to play. If the user song has data, LCD will display “XXX PlySngX”, such as “001 PlySng1”. If the user song is blank, LCD will display “XXX NofileX”.
2. Press and hold the [SHIFT] button and then press the [PLAY] button to play back the user song.
3. To stop the playback, press and hold the [SHIFT] button and then press the [PLAY] button.

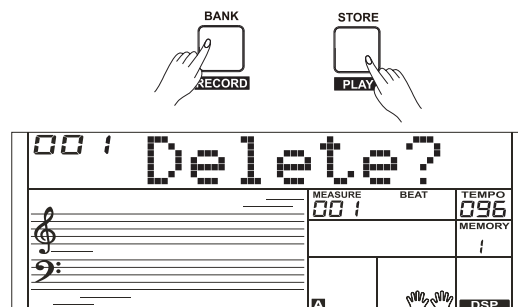


Delete User Song

1. Press and hold [RECORD] and [PLAY] buttons, then turn on the instrument, all user songs will be cleared.
2. In the play menu, press and hold [SHIFT], then press the [RECORD] button, LCD will prompt “Delete?”. Press [+YES] to delete the user song, or press [-/NO] to cancel.

Note:

The user songs saved on the instrument will not be lost after power off.



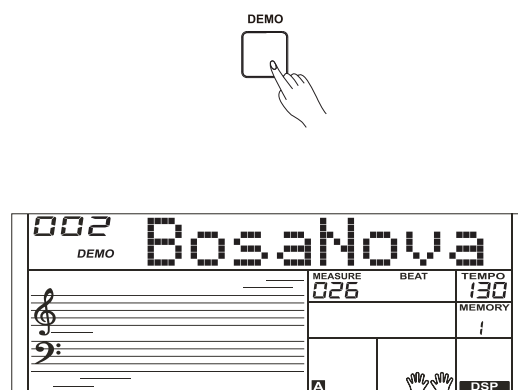
Playing the Demo Songs

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

1. Press the [DEMO] button, the DEMO icon is lit, all demo songs will start playing in a continuous loop.
2. Use [+YES]/ [-/NO] button or data dial to select a demo song. Press the [DEMO] or [START/STOP] button to stop playing and exit the demo mode.

Note:

During demo playback, only the following buttons will work: [DEMO], [START/STOP], [+YES], [-/NO] button, [TEMPO +], [TEMPO -], data dial, [VOLUME] slider and POWER SWITCH.



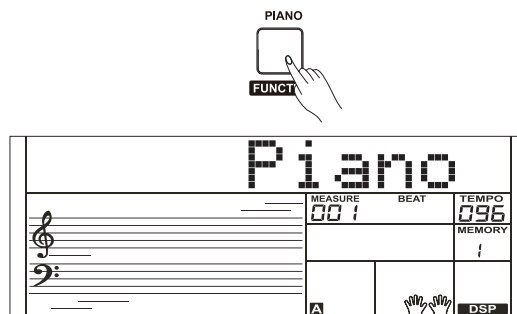
Piano Mode

By pressing the [PIANO] button, the instrument replicates a concert grand voice. All parameters become optimized for piano performance.

1. Press the [PIANO] button to enter or exit piano mode.
2. In piano mode, the accompaniment control is the same as other mode. The accompaniment only plays the rhythm part

Note:

In piano mode, you can enter the mixer menu and the function menu.

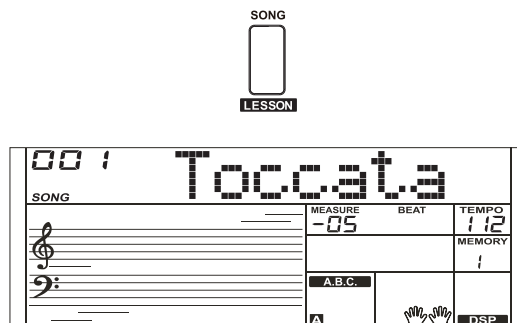


Song

The instrument features a variety of preset songs. These songs can be practiced in lesson mode. Please refer to the Song List.

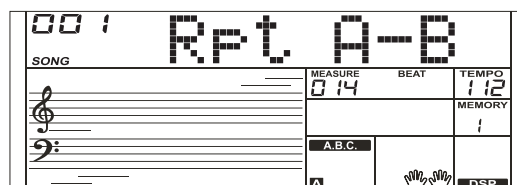
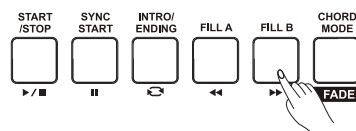
Listening to the Songs

1. Press the [SONG] button to enter the song mode. All songs will be played circularly.
2. Use the [+ / YES] / [- / NO] button to select a song
3. During song playback, press the [SONG] or [START/STOP] button to stop the playback, then press the [START/STOP] button again to play the current song in a loop.
4. When the song is stopped, pressing the [STYLE] or [VOICE] button will exit the song mode.



Song Control

1. Introductory Beat
Before song start playing, it has the introductory beat; the measure starts from negative value. It begins to play the melody when the measure goes to 1.
2. REW, FF and PAUSE
When the song is playing:
Press the [] button to fast forward the song.
Press the [] button to rewind the song (base on the measure).
Press the [] button to pause the playing song, press it again to continue playing.
3. Song Repeat
When playing the song, press the [] once to set the beginning of a loop section. Then press it again to set the loop end. During loop playback, press this button again to quit the loop and go back to song playback.



Lesson Mode

The buttons related to lesson mode are [SHIFT] + [LESSON], [SHIFT] + [L], [SHIFT] + [R] and [SHIFT] + [L] + [R].

1. Enter the lesson mode

While the song is stop playing, holding down the [SHIFT] button and press the [LESSON] button.

2. Select a hand part to practice.

Press and hold [SHIFT], then press the [L] button to select to practice the left hand part.

Press and hold [SHIFT], then press the [R] button to practice the right hand part.

Press and hold [SHIFT], then press the [L] and [R] buttons to practice both hands.

3. Press the [START/STOP] to start the lesson.

Notes:

1. The left hand part may differ depending on the song type. Some songs may not have lessons for the left hand part.
2. When the lesson is finished, your performance will be evaluated. However, no evaluation will be given if you stop half way.
3. LCD will display notes on the staff during song playback.

Lesson 1 - Practice timing

When song stops, press and hold [SHIFT], then press the [LESSON] button to enter the lesson 1 mode. The "LESSON 1" icon will be lit 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.

Lesson 2 - Practice note accuracy

When song stops, press and hold [SHIFT], then press the [LESSON] button a second time to enter lesson 2 mode. The "LESSON 2" icon will be lit.

In Lesson 2, you will learn to play the correct notes. The lesson will continue only when you have played the note displayed on LCD, otherwise the song will stop and wait.

Note:

In lesson 2, notes will not sound unless you have played the right keys.

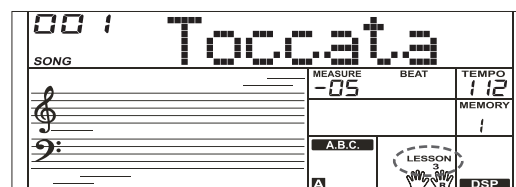
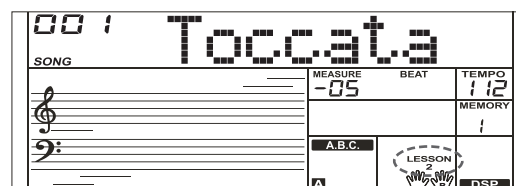
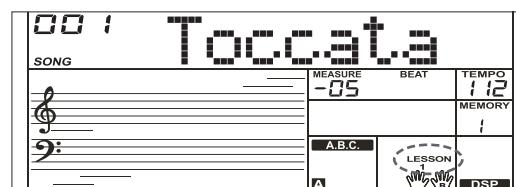
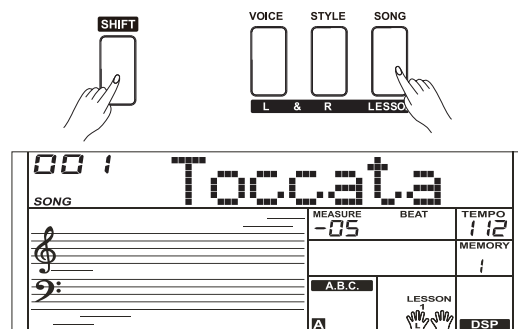
Lesson 3 - Performance

When song stops, press and hold [SHIFT], then press the [LESSON] button a third time to enter lesson 3 mode.

In lesson 3, you will learn to play the correct notes at the correct time value. An evaluation will be given, based on the correctness of both the notes and the timing.

Performance Evaluation

Each time when you finish a lesson, your performance will be evaluated. The instrument will show the evaluation result "Try Again", "Good", "Very Good" and "Excellent".



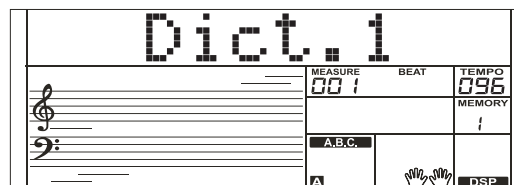
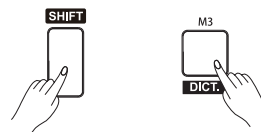
Chord Dictionary

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

DICT 1 (Chord Learning Mode)

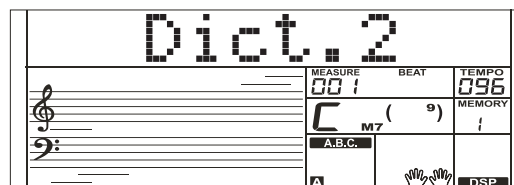
Press and hold [SHIFT], then press the [DICT.] button to enter DICT. 1 mode. The LCD shows "Dict.1". The A.B.C. function is automatically turned on.

Use the keys C4~B5 to assign the chord type, and the keys C6~B6 to assign the chord root. When the chord type and chord root are assigned, the LCD will show the chord name and chord notes. Try playing this chord in the left hand area.



DICT 2 (Chord Testing Mode)

In DICT 1 mode, press and hold the [SHIFT] button and then press the [DICT.] button to enter the DICT 2 mode. In DICT 2, you can have a chord test. LCD will display a chord name in random order. If the chord fails to be played within 3 seconds, its notes will appear on LCD. Once the chord is played correctly, a new chord name will appear after a few seconds.



You can press the [+ / YES] / [- / NO] to display a different chord name. The right hand section of the keyboard is not available.

Exit Chord Dictionary

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

Note:

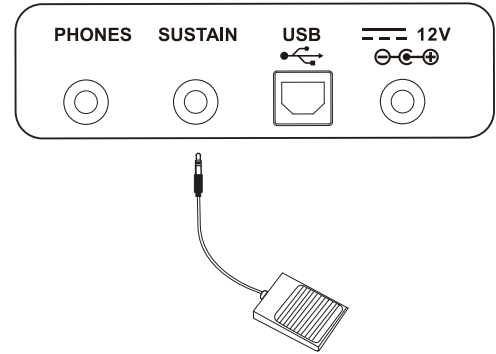
The instrument will not produce sound when using the right hand area to assign the chord type and chord root. When you play the chord correctly in the left hand area, the instrument will produce a correct sound. But if the chord is not correctly played, the instrument will play back the chord sound instead.

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

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

Pedal Function

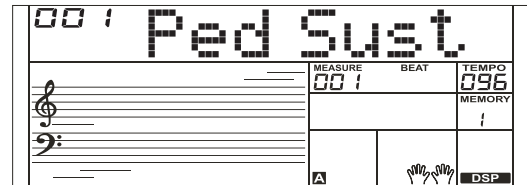
You can assign different functions to the connected sustain pedal in the Function Menu. Please see the Function Menu.



1. Sustain Pedal

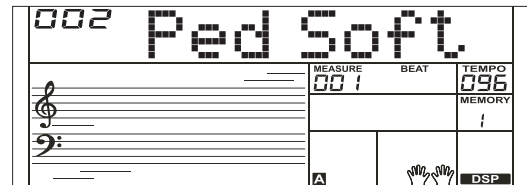
This pedal function performs the same function as the damper pedal on an acoustic piano, letting you sustain the sound of voices even after releasing the keys.

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



2. Soft Pedal

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

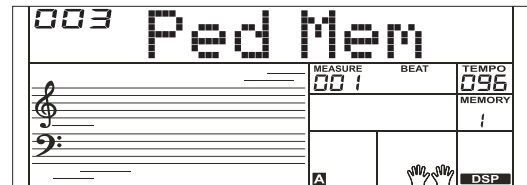


3. Memory Pedal

When the memory pedal is selected, pressing this pedal will call up the registration memory one by one.

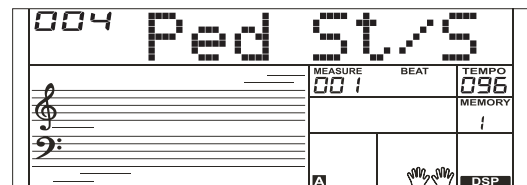
Note:

If the current memory recalled contains pedal settings, the pedal settings will be overlapped or ignored.



4. Style Start/Stop Pedal

When the style start/stop pedal is selected, pressing this pedal will start/stop accompaniment.



MIDI

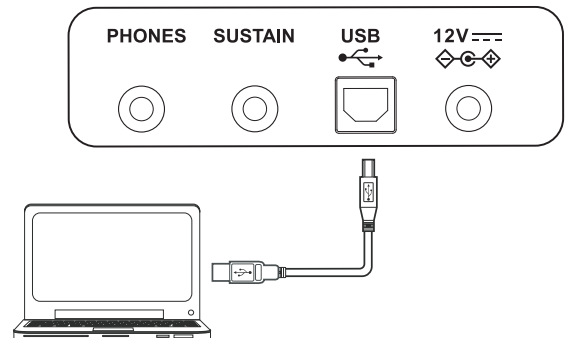
With the MIDI functions you can expand your musical possibilities. This section will let you know what MIDI is, and what it can do, as well as how you can use MIDI on your instrument.

What's MIDI?

1. MIDI (short for Musical Instrument Digital Interface) allows a wide variety of electronic musical instruments, computers and other related devices to connect and communicate with one another. MIDI carries event messages that specify notation, pitch and velocity, control signals for parameters such as volume, vibrato, audio panning, and program change information to change the voice selections.
2. The instrument can output the real-time playback information via MIDI and control external MIDI devices. The instrument can also accept incoming MIDI messages and generate sound accordingly.

Note:

The instrument has a USB (DEVICE) terminal, which can be connected to a computer for MIDI input or MIDI output. This terminal cannot be connected to another instrument, unless the instrument has a USB host terminal.



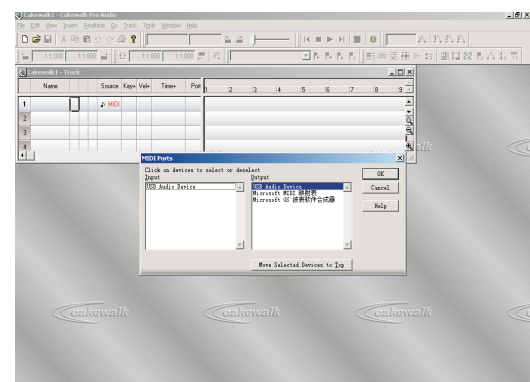
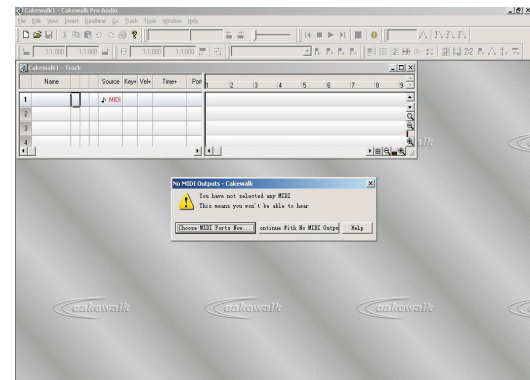
The Main Application of MIDI

1. Used as a tone generator
This instrument can receive MIDI data from computer, and execute MIDI controls such as changing channels, changing voices, adding effects and making sounds. Please refer to MIDI Implementation Chart for more MIDI controls.
2. Used as a MIDI Keyboard
When you play the keyboard, change the voices or turn the DSP on/off, the instrument will send MIDI data to the computer, which will be saved as recordings. (It only records your keyboard performance when playing along with accompaniment.)
You can edit the recordings on computer, such as changing the channels or voices, or adding DSP effects. Then play back the recordings on the instrument or another sound source (such as a sound card). You can play the keyboard along with the playback. Please refer to MIDI Implementation Chart for more MIDI controls.

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

Open the Cakewalk Pro Audio MIDI software. Set the USB AUDIO DEVICE either as the MIDI Input port on the left window, or as the MIDI Output port on the right window, then press "OK".

Alternatively, you can select the MIDI device on the TOOLS MIDI DEVICES menu of Cakewalk. Configure the same settings when using other similar MIDI software.



Troubleshooting

| Problem | Possible Cause and Solution |
|---|--|
| The speakers produce a pop sound whenever the power is turned ON or OFF. | This is normal and no cause for alarm. |
| No sound when the keyboard is played. | 1. Check if the master volume is set too low. 2. Check if headphones are plugged into the PHONES jack. 3. Check if the R1/R2/L1 voice volume is set too low (in the Mixer). |
| When using a mobile phone, noise is produced. | Using a mobile phone in close proximity to the instrument may produce interference. To prevent this, turn off the mobile phone or use it further away from the instrument. |
| The auto accompaniment does not play back even Sync is in standby condition and a key is pressed. | You may be trying to start accompaniment by playing a key in the right-hand range of the keyboard. To start the accompaniment with Sync Start, make sure to play a key in the left-hand range of the keyboard. |
| Certain notes sound at wrong pitch. | Make sure that the tuning value is set to 0. Press and hold the [+ / YES] and [- / NO] buttons at the same time, then turning the power on will set INSTRUMENT to default. |
| The Harmony function does not operate. | Harmony function is not available when Voice R1 is a drum kit. |

Specifications

| Keyboard & Display | |
|---------------------|---|
| Keyboard | 61 Keys with Touch Response |
| Touch Response | 5 types, Off |
| Display | Multi-functional LCD |
| Voices | |
| Polyphony (max.) | 128 |
| Voices | 700 |
| Layer | Left, Right1, Right2 |
| Split | Yes |
| Styles | |
| Styles | 280 preset |
| Style Control | Start / Stop Sync Start Intro / Ending Main A / Fill in A Main B / Fill in B Chord Mode Fade In / Out |
| O.T.S. | Yes |
| Chord Types | 32 |
| Effects | |
| Effects | DSP on / off |
| Master EQ | 6 types |
| Reverb | 10 types, 32 levels |
| Chorus | 8 types, 32 levels |
| Performance Enhance | |
| Harmony | 14 types |
| Song & Recording | |
| Music Library | 120 preset songs, Music tutorial system |
| Sequencer | 10 user songs |
| Demo Song | 5 |

| Pitch Adjustment | |
|-------------------------|--|
| Transpose | -12 ~ +12 |
| Octave | -2 ~ +2 |
| Tuning | -50 ~ +50 |
| Other Functions | |
| Mixer | Yes (11 tracks) |
| Performance Memory | 12 preset banks x 4 |
| Assignable Controllers | 1 pedal |
| Pitch Bend | Yes |
| Modulation | Yes |
| Metronome | 0, 2 ~ 9 |
| Tempo | 30 ~ 280 |
| Other control | Sustain, Piano Mode, Chord dictionary |
| Connections | |
| Interaction & Expansion | USB MIDI |
| Phones | standard stereo |
| Pedals | Sustain |
| USB | USB MID I |
| Power Supply | |
| Power | DC12V / 1A |
| Power Off Protection | Yes |
| Amplifiers & Speakers | |
| Amplifiers | 5W x 2 |
| Speakers | 10W x 2 |
| Dimensions & Weight | |
| Dimensions LWH (mm) | 970 x 370 x 142 |
| Weight (kg) | 6.0 |

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

Voice List

| No. | English Name | LCD Name |
|-----------------------------|---------------------------------|----------|
| PIANO | | |
| 1 | Acoustic Grand Piano | GrdPno |
| 2 | Acoustic Grand Piano 2 | GrdPno 2 |
| 3 | Acoustic Grand Piano (wide) | GrdPnoW |
| 4 | Acoustic Grand Piano (dark) | GrdPnoD |
| 5 | Bright Acoustic Piano | BritePn |
| 6 | Bright Acoustic Piano 2 | BritePn2 |
| 7 | Bright Acoustic Piano (wide) | BritePnW |
| 8 | Electric Grand Piano | E.Piano |
| 9 | Electric Grand Piano 2 | E.Piano2 |
| 10 | Electric Grand Piano (wide) | E.GdPnoW |
| 11 | Electric Grand Piano (dark) | E.GdPnoD |
| 12 | Honky Tonk Piano | HnyTonk |
| 13 | Honky Tonk Piano 2 | HnyTonk2 |
| 14 | Honky Tonk Piano (wide) | HnyTonkW |
| 15 | Honky Tonk Piano (dark) | HnyTonkD |
| 16 | Harpsichord | Harpsi |
| 17 | Harpsichord 2 | Harpsi 2 |
| 18 | Harpsichord (octave mix) | HarpsiO |
| 19 | Harpsichord (wide) | HarpsiW |
| 20 | Harpsichord (with key off) | HarpsiK |
| 21 | Octave Grand Piano | OctPno |
| 22 | Octave Grand Piano 2 | OctPno 2 |
| 23 | Piano & Strings | Pno&Str |
| 24 | Piano & Pad | Pno&Pad |
| 25 | Piano & Choir | Pno&Cho |
| 26 | Piano & EP | Piano&EP |
| 27 | Piano & Vibraphone | Pno&Vib |
| 28 | Detuned Electric Piano | DetEP |
| 29 | Detuned Electric Piano 2 | DetEP 2 |
| 30 | Electric Piano | E.Pno |
| 31 | Electric Piano 2 | E.Pno 2 |
| 32 | Electric Piano 3 | E.Pno 3 |
| 33 | Electric Piano 4 | E.Pno 4 |
| 34 | Electric Piano 1 (velocity mix) | VelEP 1 |
| 35 | Electric Piano 2 (velocity mix) | VelEP 2 |
| 36 | 60's Electric Piano | 60's EP |
| 37 | EP Legend | E.Legend |
| 38 | Phase EP | Phase EP |
| 39 | Clavi | Clavi |
| 40 | Clavi 2 | Clavi 2 |
| 41 | Phase Clavi | PhaClavi |
| 42 | Wah Clavi | WahClavi |
| 43 | Pulse Clavi | PulClavi |
| 44 | Dream EP | DreamEP |
| 45 | Tremolo EP | TremEP |
| 46 | Funk EP | Funk EP |
| 47 | Warm EP | Warm EP |
| 48 | Choir EP | Choir EP |
| 49 | Wah EP | Wah EP |
| 50 | Modern EP | ModernEP |
| 51 | EP Pad | EPPad |
| CHROMATIC PERCUSSION | | |
| 52 | Celesta | Celesta |
| 53 | Celesta 2 | Celesta2 |

| | | |
|---------------|---------------------------|----------|
| 54 | Celesta 3 | Celesta3 |
| 55 | Glockenspiel 1 | Glcckspl |
| 56 | Glockenspiel 2 | Glccksp2 |
| 57 | Glockenspiel 3 | Glccksp3 |
| 58 | Music Box | MBox |
| 59 | Music Box 2 | MBox 2 |
| 60 | Music Box 3 | MBox 3 |
| 61 | Vibraphone | Vibra |
| 62 | Vibraphone 2 | Vibra 2 |
| 63 | Vibraphone (wide) | VibraW |
| 64 | Marimba | Marimba |
| 65 | Marimba 2 | Marimba2 |
| 66 | Marimba (wide) | MarimbaW |
| 67 | Xylophone | Xyloph |
| 68 | Xylophone 2 | Xyloph 2 |
| 69 | Xylophone 3 | Xyloph 3 |
| 70 | Tubular Bells | TubulBe |
| 71 | Tubular Bells 2 | TubulBe2 |
| 72 | Church Bell | ChurBell |
| 73 | Carillon | Carillon |
| 74 | Dulcimer | Dulcime |
| 75 | Dulcimer 2 | Dulcime2 |
| 76 | Santur | Santur |
| ORGAN | | |
| 77 | Italian 60's Organ | 60'sOr |
| 78 | Drawbar Organ | DrawOr |
| 79 | Drawbar Organ 2 | DrawOr 2 |
| 80 | Detuned Drawbar Organ | DetDrOr |
| 81 | Drawbar Organ 3 | DrawOr 3 |
| 82 | Detuned Percussive Organ | DetPerOr |
| 83 | Percussive Organ | PercOr |
| 84 | Percussive Organ 2 | PercOr 2 |
| 85 | 70's Percussive Organ | 70'sPeOr |
| 86 | Percussive Organ 3 | PercOr 3 |
| 87 | Rock Organ | RockOr |
| 88 | Rock Organ 2 | RockOr 2 |
| 89 | Rock Organ 3 | RockOr 3 |
| 90 | Church Organ | ChurOr |
| 91 | Church Organ 2 | ChurOr 2 |
| 92 | Church Organ 3 | ChurOr 3 |
| 93 | Church Organ (octave mix) | ChurOrO |
| 94 | Detuned Church Organ | DetChuOr |
| 95 | Reed Organ | ReedOr |
| 96 | Reed Organ 2 | ReedOr 2 |
| 97 | Rotary Organ | RotaryOr |
| 98 | Puff Organ | PuffOr |
| 99 | Accordion | Acordi |
| 100 | Accordion 2 | Acordi 2 |
| 101 | Accordion 3 | Acordi 3 |
| 102 | Harmonica | Harmni |
| 103 | Harmonica 2 | Harmni 2 |
| 104 | Harmonica 3 | Harmni 3 |
| 105 | Tango Accordion | TangoAc |
| 106 | Tango Accordion 2 | TangoAc2 |
| GUITAR | | |
| 107 | Acoustic Guitar (nylon) | NylGt |

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|-------------|-----------------------------------|----------|
| 108 | Acoustic Guitar (nylon) 2 | NylGt 2 |
| 109 | Acoustic Guitar (nylon) 3 | NylGt 3 |
| 110 | Acoustic Guitar (nylon + key off) | NylGtK |
| 111 | Ukulele | Ukulele |
| 112 | Acoustic Guitar (steel) | Ac.Gt |
| 113 | Acoustic Guitar (steel) 2 | Ac.Gt 2 |
| 114 | 12-Strings Guitar | 12StrGt |
| 115 | Mandolin | Mandol |
| 116 | Mandolin 2 | Mandol 2 |
| 117 | Steel Guitar with Body Sound | SteGtBod |
| 118 | Electric Guitar (jazz) | JazzGt |
| 119 | Electric Guitar (jazz) 2 | JazzGt 2 |
| 120 | Electric Guitar (pedal steel) | PedalGt |
| 121 | Electric Guitar (clean) | CleaGt |
| 122 | Electric Guitar (clean) 2 | CleaGt 2 |
| 123 | Electric Guitar (detuned clean) | DetClGt |
| 124 | Mid Tone Guitar | MidGt |
| 125 | Electric Guitar (muted) | MuteGt |
| 126 | Electric Guitar (muted) 2 | MuteGt 2 |
| 127 | Electric Guitar (funky cutting) | FunkGt |
| 128 | Electric Guitar (muted velo-sw) | VelMutGt |
| 129 | Jazz Man | JazzMan |
| 130 | Overdriven Guitar | OverGt |
| 131 | Overdriven Guitar 2 | OverGt 2 |
| 132 | Guitar Pinch | GtPinch |
| 133 | Distortion Guitar | DistGt |
| 134 | Distortion Guitar 2 | DistGt 2 |
| 135 | Distortion Guitar (with feedback) | DistFeGt |
| 136 | Guitar Feedback | FeedbGt |
| 137 | Distorted Rhythm Guitar | DistRhGt |
| 138 | Guitar Harmonics | GtHarmo |
| 139 | Guitar Harmonics 2 | GtHarmo2 |
| 140 | Velocity Nylon Guitar | VelNylGt |
| BASS | | |
| 141 | Acoustic Bass | A.Bass |
| 142 | Acoustic Bass 2 | A.Bass 2 |
| 143 | Wah Bass | WahBass |
| 144 | Electric Bass (finger) | FingerBa |
| 145 | Finger Slap Bass | FinrSlBa |
| 146 | Electric Bass (pick) | PickBa |
| 147 | Electric Bass (pick) 2 | PickBa 2 |
| 148 | Fretless Bass | FretBa |
| 149 | Fretless Bass 2 | FretBa 2 |
| 150 | Slap Bass | SlapBa |
| 151 | Slap Bass 2 | SlapBa 2 |
| 152 | Slap Bass 3 | SlapBa 3 |
| 153 | Slap Bass 4 | SlapBa 4 |
| 154 | Synth Bass | SynBa |
| 155 | Synth Bass 2 | SynBa 2 |
| 156 | Synth Bass 3 | SynBa 3 |
| 157 | Synth Bass 4 | SynBa 4 |
| 158 | Warm Synth Bass | WarSynBa |
| 159 | Rsonance SynBass | ResSynBa |
| 160 | Clavi Bass | ClaviBa |
| 161 | Hammer | Hammer |
| 162 | Attack Bass | AttackBa |

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|---------------------------------|-----------------------|----------|
| 163 | Synth Bass (rubber) | RubBa |
| 164 | Synth Bass (rubber) 2 | RubBa 2 |
| 165 | Attack Pulse | AttPulse |
| STRINGS & ORCHESTRAL | | |
| 166 | Violin | Violin |
| 167 | Violin 2 | Violin 2 |
| 168 | Violin (slow attack) | SlowVin |
| 169 | Viola | Viola |
| 170 | Viola 2 | Viola 2 |
| 171 | Cello | Cello |
| 172 | Cello 2 | Cello 2 |
| 173 | Contrabass | ConBa |
| 174 | Contrabass 2 | ConBa 2 |
| 175 | Tremolo Strings | TreStr |
| 176 | Tremolo Strings 2 | TreStr 2 |
| 177 | Tremolo Strings 3 | TreStr 3 |
| 178 | Pizzicato Strings | PizStr |
| 179 | Pizzicato Strings 2 | PizStr 2 |
| 180 | Orchestral Harp | Harp |
| 181 | Orchestral Harp 2 | Harp 2 |
| 182 | Yang Chin | YangChin |
| 183 | Timpani | Timpani |
| 184 | Timpani 2 | Timpani2 |
| 185 | String Ensembles | StrEns |
| 186 | String Ensembles 2 | StrEns 2 |
| 187 | String Ensembles 3 | StrEns 3 |
| 188 | String Ensembles 4 | StrEns 4 |
| 189 | Strings & Brass | Str&Brs |
| 190 | 60's Strings | 60's Str |
| 191 | Synth Strings | SynStr |
| 192 | Synth Strings 2 | SynStr 2 |
| 193 | Synth Strings 3 | SynStr 3 |
| 194 | Synth Strings 4 | SynStr 4 |
| 195 | Synth Strings 5 | SynStr 5 |
| 196 | Choir Aahs | ChoAah |
| 197 | Choir Aahs 2 | ChoAah 2 |
| 198 | Choir Aahs 3 | ChoAah 3 |
| 199 | Voice Oohs | VoiOhs |
| 200 | Voice Oohs 2 | VoiOhs 2 |
| 201 | Humming | Humming |
| 202 | Anlong Voice | AnlVoice |
| 203 | Synth Voice | SynVo |
| 204 | Synth Voice 2 | SynVo 2 |
| 205 | Orchestra Hit | OrcHit |
| 206 | Orchestra Hit 2 | OrcHit 2 |
| 207 | Bass Hit Plus | BaHit |
| 208 | 6th Hit | 6th Hit |
| 209 | Euro Hit | Euro Hit |
| BRASS | | |
| 210 | Trumpet | Trumpet |
| 211 | Trumpet 2 | Trumpet2 |
| 212 | Dark Trumpet | DarkTp |
| 213 | Trombone | Tromb |
| 214 | Trombone 2 | Tromb 2 |
| 215 | Trombone 3 | Tromb 3 |
| 216 | Bright Trombone | BritBone |

Voice List

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|-------------|----------------------|----------|
| 217 | Tuba | Tuba |
| 218 | Tuba 2 | Tuba 2 |
| 219 | Muted Trumpet | MutTp |
| 220 | Muted Trumpet 2 | MutTp 2 |
| 221 | Muted Trumpet 3 | MutTp 3 |
| 222 | French Horn | FrHorn |
| 223 | French Horn 2 | FrHorn 2 |
| 224 | French Horn 3 | FrHorn 3 |
| 225 | Brass Section | BraSec |
| 226 | Brass Section 2 | BraSec 2 |
| 227 | Brass Section 3 | BraSec 3 |
| 228 | Synth Brass | SynBra |
| 229 | Synth Brass 2 | SynBra 2 |
| 230 | Synth Brass 3 | SynBra 3 |
| 231 | Synth Brass 4 | SynBra 4 |
| 232 | Synth Brass 5 | SynBra 5 |
| 233 | Synth Brass 6 | SynBra 6 |
| 234 | Synth Brass 7 | SynBra 7 |
| 235 | Synth Brass 8 | SynBra 8 |
| 236 | Analog Synth Brass | AnSyBra |
| 237 | Analog Synth Brass 2 | AnSyBra2 |
| 238 | Analog Synth Brass 3 | AnSyBra3 |
| 239 | Jump Brass | JumBra |
| 240 | Jump Brass 2 | JumBra 2 |
| 241 | Funny | Funny |
| 242 | Funny 2 | Funny 2 |
| 243 | French Horn | FrHorn |
| REED | | |
| 244 | Soprano Sax | SopSax |
| 245 | Soprano Sax 2 | SopSax 2 |
| 246 | Soprano Sax 3 | SopSax 3 |
| 247 | Alto Sax | AltSax |
| 248 | Alto Sax 2 | AltSax 2 |
| 249 | Alto Sax 3 | AltSax 3 |
| 250 | Tenor Sax | TenoSax |
| 251 | Tenor Sax 2 | TenoSax2 |
| 252 | Tenor Sax 3 | TenoSax3 |
| 253 | Baritone Sax | BariSax |
| 254 | Baritone Sax 2 | BariSax2 |
| 255 | Baritone Sax 3 | BariSax3 |
| 256 | Oboe | Oboe |
| 257 | Oboe 2 | Oboe 2 |
| 258 | Oboe 3 | Oboe 3 |
| 259 | 2 Oboe | 2 Oboe |
| 260 | English Horn | EngHorn |
| 261 | English Horn 2 | EngHorn2 |
| 262 | English Horn 3 | EngHorn3 |
| 263 | 2 English Horn | 2EngHorn |
| 264 | Bassoon | Bassoon |
| 265 | Bassoon 2 | Bassoon2 |
| 266 | Bassoon 3 | Bassoon3 |
| 267 | 2 Bassoon | 2Bassoon |
| 268 | Clarinet | Clarine |
| 269 | Clarinet 2 | Clarine2 |
| 270 | Clarinet 3 | Clarine3 |
| 271 | 2 Clarinet | 2Clarine |

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|-------------------|------------------------------|-----------|
| PIPE | | |
| 272 | Piccolo | Piccolo |
| 273 | Piccolo 2 | Piccolo2 |
| 274 | Piccolo 3 | Piccolo3 |
| 275 | 2 Piccolo | 2Piccolo |
| 276 | Sweet Flute | SweetFl |
| 277 | Flute | Flute |
| 278 | Flute 2 | Flute 2 |
| 279 | Flute 3 | Flute 3 |
| 280 | 2 Flute | 2 Flute |
| 281 | Recorder | Recorder |
| 282 | Recorder 2 | Recorder2 |
| 283 | 2 Recorder | 2Recorder |
| 284 | Pan Flute | PanFl |
| 285 | Pan Flute 2 | PanFl 2 |
| 286 | Sweet Pan Flute | SwPanFl |
| 287 | Blown Bottle | BloBott |
| 288 | Blown Bottle 2 | BloBott2 |
| 289 | Shakuhachi | Shakuh |
| 290 | Shakuhachi 2 | Shakuh 2 |
| 291 | Whistle | Whistle |
| 292 | Whistle 2 | Whistle2 |
| 293 | Ocarina | Ocarina |
| 294 | Ocarina 2 | Ocarina2 |
| SYNTH LEAD | | |
| 295 | Lead 1 (square) | Squ Ld |
| 296 | Lead 1a (square)2 | Squ Ld 2 |
| 297 | Lead 1 (square) 3 | Squ Ld 3 |
| 298 | Lead 1b (sine) | Sine Ld |
| 299 | Lead 2 (sawtooth) | Saw |
| 300 | Lead 2a (sawtooth) 2 | Saw 2 |
| 301 | Lead 2 (sawtooth) 3 | Saw 3 |
| 302 | Lead 2b (saw + pulse) | Saw&Puls |
| 303 | Lead 2c (double sawtooth) | DoubSaw |
| 304 | Lead 2d (sequenced analog) | SeqAna |
| 305 | Lead 2d (sequenced analog) 2 | SeqAna2 |
| 306 | Wavy Sawtooth | WavySaw |
| 307 | Bauble Lead | BaubleLd |
| 308 | Super Analog | SuperAna |
| 309 | Lead 3 (calliope) | Callio |
| 310 | Lead 3 (calliope) 2 | Callio 2 |
| 311 | Lead 4 (chiff) | ChiffLd |
| 312 | Lead 4 (chiff) 2 | ChiffLd2 |
| 313 | Lead 4 (chiff) 3 | ChiffLd3 |
| 314 | Lead 4 (chiff) 4 | ChiffLd4 |
| 315 | Lead 5 (charang) | CharaLd |
| 316 | Lead 5 (charang) 2 | CharaLd2 |
| 317 | Lead 5 (charang) 3 | CharaLd3 |
| 318 | Lead 5 (charang) 4 | CharaLd4 |
| 319 | Lead 5a (wire lead) | Wire Ld |
| 320 | Lead 5a (wire lead) 2 | Wire Ld2 |
| 321 | Lead 6 (voice) | VoiceLd |
| 322 | Lead 6 (voice) 2 | VoiceLd2 |
| 323 | Lead 7 (fifths) | Fifths |
| 324 | Lead 7 (fifths) 2 | Fifths 2 |
| 325 | Lead 8 (bass + lead) | Bass&Ld |

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| 326 | Lead 8 (bass + lead) 2 | Bass&Ld2 |
| 327 | Lead 8 (bass + lead) 3 | Bass&Ld3 |
| 328 | Lead 8a (soft wrl) | Soft wrl |
| 329 | Massiness | Massin |
| 330 | Square | Square |
| 331 | Slow Square Lead | SISquLd |
| 332 | Sine Solo | SineSolo |
| 333 | Square Lead | Squ Ld 3 |
| 334 | Thick Square | ThickSqu |
| 335 | 2Oscillators Lead | 2OscLd |
| 336 | Wavy Sawtooth | WavySaw |
| 337 | Super Analog | SuperAna |
| 338 | Big Lead | Big Ld |
| 339 | Fat Lead | Fat Ld |
| 340 | PWM 4th | PWM 4th |
| 341 | Delayed Lead | DelLd |
| 342 | Delayed Lead 2 | DelLd 2 |
| 343 | Fifth Lead | Fifth Ld |
| 344 | Corrie | Corrie |
| 345 | Quint | Quint |
| SYNTH PAD | | |
| 346 | Pad 1 (new age) | NewAge |
| 347 | Pad 1 (new age) 2 | NewAge 2 |
| 348 | Pad 1 (new age) 3 | NewAge 3 |
| 349 | Pad 1 (new age) 4 | NewAge 4 |
| 350 | Pad 2 (warm) | WarmPd |
| 351 | Pad 2 (warm) 2 | WarmPd 2 |
| 352 | Pad 2 (warm)3 | WarmPd 3 |
| 353 | Pad 2a (sine pad) | Sine Pad |
| 354 | Pad 3 (polysynth) | PolySyn |
| 355 | Pad 3 (polysynth) 2 | PolySyn2 |
| 356 | Pad 3 (polysynth) 3 | PolySyn3 |
| 357 | Pad 3 (polysynth) 4 | PolySyn4 |
| 358 | Pad 4 (choir) | ChoirPd |
| 359 | Pad 4 (choir) 2 | ChoirPd2 |
| 360 | Pad 4a (itopia) | ItopiaPd |
| 361 | Pad 5 (bowed) | BowedPd |
| 362 | Pad 5 (bowed) 2 | BowedPd2 |
| 363 | Pad 5 (bowed) 3 | BowedPd2 |
| 364 | Pad 5 (bowed) 4 | BowedPd4 |
| 365 | Pad 6 (metallic) | MetaPd |
| 366 | Pad 6 (metallic) 2 | MetaPd 2 |
| 367 | Pad 6 (metallic) 3 | MetaPd 3 |
| 368 | Pad 7 (halo) | HaloPad |
| 369 | Pad 7 (halo) 2 | HaloPad2 |
| 370 | Pad 7 (halo) 3 | HaloPad3 |
| 371 | Pad 7 (halo) 4 | HaloPad4 |
| 372 | Pad 8 (sweep) | SweepPd |
| 373 | Pad 8 (sweep) 2 | SweepPd2 |
| 374 | Pad 8 (sweep) 3 | SweepPd3 |
| 375 | Pan Pad | PanPad |
| 376 | Pan Pad 2 | PanPad 2 |
| 377 | Dipolar Pad | DipolPad |
| 378 | PWM Pad | PWM Pad |
| 379 | Warmly Pad | WarmPad |
| 380 | Horn Pad | Horn Pad |

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|---------------------|----------------------|----------|
| 381 | Click Pad | ClickPad |
| 382 | Analog Pad | Ana Pad |
| 383 | 80's Poly Pad | 80'sPoly |
| 384 | PWM 4th Soft | PWM4thSf |
| 385 | Synth Calliope Soft | SynCalSf |
| 386 | Soft Vox | Soft Vox |
| 387 | 5th SawWave | 5th Saw |
| 388 | 5th Lead Soft | 5thLdSf |
| 389 | Slow Square | Slow Squ |
| 390 | New Year Pad | NewYearP |
| 391 | Space Voice | SpaVoice |
| 392 | Rising | Rising |
| 393 | Congregate | Congrega |
| SYNTH SFX | | |
| 394 | FX 1 (rain) | Rain |
| 395 | FX 1 (rain) 2 | Rain 2 |
| 396 | FX 2 (soundtrack) | SoundTk |
| 397 | FX 2 (soundtrack) 2 | SoundTk2 |
| 398 | Prelude | Prelude |
| 399 | FX 3 (crystal) | Crystal |
| 400 | FX 3 (crystal) 2 | Crystal2 |
| 401 | FX 3 (crystal) 3 | Crystal3 |
| 402 | FX 3a (synth mallet) | SynMalle |
| 403 | FX 4 (atmosphere) | Atmosp |
| 404 | FX 4 (atmosphere) 2 | Atmosp 2 |
| 405 | Warm Air | Warm Air |
| 406 | FX 5 (brightness) | Bright |
| 407 | FX 5 (brightness) 2 | Bright 2 |
| 408 | Smog | Smog |
| 409 | FX 6 (goblins) | Goblins |
| 410 | FX 6 (goblins) 2 | Goblins2 |
| 411 | FX 6 (goblins) 3 | Goblins3 |
| 412 | Choir Bell | ChoirBe |
| 413 | Choir Bell 2 | ChoirBe2 |
| 414 | FX 7 (echoes) | Echoes |
| 415 | FX 7 (echoes) 2 | Echoes 2 |
| 416 | FX 7 (echoes) 3 | Echoes 3 |
| 417 | FX 7b (echo pan) | Echo Pan |
| 418 | FX 7a (echo bell) | EchoBell |
| 419 | FX 7a (echo bell) 2 | EchoBel2 |
| 420 | FX 7a (echo bell) 3 | EchoBel3 |
| 421 | FX 8 (sci-fi) | Sci-Fi |
| 422 | FX 8 (sci-fi) 2 | Sci-Fi 2 |
| 423 | FX 8 (sci-fi) 3 | Sci-Fi 3 |
| ETHNIC MISC. | | |
| 424 | Sitar | Sitar |
| 425 | Sitar 2 | Sitar 2 |
| 426 | Sitar 3 | Sitar 3 |
| 427 | Banjo | Banjo |
| 428 | Banjo 2 | Banjo 2 |
| 429 | Banjo 3 | Banjo 3 |
| 430 | Shamisen | Shamis |
| 431 | Shamisen 2 | Shamis 2 |
| 432 | Shamisen 3 | Shamis 3 |
| 433 | Koto | Koto |
| 434 | Koto 2 | Koto 2 |

Voice List

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| 435 | Taisho Koto | TaisKoto |
| 436 | Kalimba | Kalimba |
| 437 | Kalimba 2 | Kalimba2 |
| 438 | Kalimba 3 | Kalimba3 |
| 439 | Bag Pipe | BagPipe |
| 440 | Bag pipe 2 | Bagpipe2 |
| 441 | Bag Pipe 3 | BagPipe3 |
| 442 | Fiddle | Fiddle |
| 443 | Fiddle 2 | Fiddle 2 |
| 444 | Fiddle 3 | Fiddle 3 |
| 445 | Shanai | Shanai |
| 446 | Shanai 2 | Shanai 2 |
| 447 | Shanai 3 | Shanai 3 |
| PERCUSSIVE | | |
| 448 | Tinkle Bell | TinkBe |
| 449 | Tinkle Bell 2 | TinkBe 2 |
| 450 | Tinkle Bell 3 | TinkBe 3 |
| 451 | Agogo | Agogo |
| 452 | Agogo 2 | Agogo 2 |
| 453 | Agogo 3 | Agogo 3 |
| 454 | Steel Drums | SteeDru |
| 455 | Steel Drums 2 | SteeDru2 |
| 456 | Steel Drums 3 | SteeDru3 |
| 457 | Woodblock | WoodBlo |
| 458 | Woodblock 2 | WoodBlo2 |
| 459 | Woodblock 3 | WoodBlo3 |
| 460 | Castanets | Castan |
| 461 | Castanets 2 | Castan 2 |
| 462 | Taiko Drum | TaiDrum |
| 463 | Taiko Drum 2 | TaiDru 2 |
| 464 | Taiko Drum 3 | TaiDru 3 |
| 465 | ConcertBass Drum | ConBsDr |
| 466 | ConcertBass Drum 2 | ConBDr 2 |
| 467 | Acoustic Bass Drum | ABaDrum |
| 468 | Room Kick | RoomKick |
| 469 | Power Kick | PoweKick |
| 470 | Electric Bass Drum | EIBaDrum |
| 471 | Analog Bass Drum | AnBaDrum |
| 472 | Jazz Kick | JazzKick |
| 473 | Side Stick | SidStick |
| 474 | Analog Rim Shot | AnRiShot |
| 475 | Acoustic Snare | A.Snare |
| 476 | Room Snare | RoomSn |
| 477 | Power Snare | PowerSn |
| 478 | Electric Snare | E.Snare |
| 479 | Analog Snare | Ana Sn |
| 480 | Jazz Snare | JazzSn |
| 481 | Brush Tap | BrushTap |
| 482 | Concert SD | ConSD |
| 483 | Hand Clap | HandClap |
| 484 | Tom | Tom |
| 485 | Room Tom | Room Tom |
| 486 | Power Tom | PowerTom |
| 487 | Electric Tom | E.Tom |
| 488 | Analog Tom | Ana Tom |
| 489 | Brush Tom | BrushTom |

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| 490 | Closed Hi-hat | ClosedHH |
| 491 | Analog Closed Hi-hat | AnClosHH |
| 492 | Pedal Hi-hat | Pedal HH |
| 493 | Open Hi-hat | Open HH |
| 494 | Crash Cymbal | CrashCym |
| 495 | Analog Cymbal | Ana Cym |
| 496 | Ride Cymbal | Ride Cym |
| 497 | China Cymbal | ChinaCym |
| 498 | Ride Bell | RideBell |
| 499 | Tambourine | Tambouri |
| 500 | Splash Cymbal | SplashCy |
| 501 | Cowbell | Cowbell |
| 502 | Analog Cowbell | AnaCowbl |
| 503 | High Bongo | HiBongo |
| 504 | Low Bongo | LoBongo |
| 505 | Mute Hi Conga | MuHiCong |
| 506 | Open Hi Conga | OpHiCong |
| 507 | Low Conga | LoConga |
| 508 | Analog Hi Conga | AnHiCong |
| 509 | Analog Mid Conga | AnMiCong |
| 510 | Analog Low Conga | AnLoCong |
| 511 | High Timbale | HiTimbal |
| 512 | Low Timbale | LoTimba |
| 513 | Cabasa | Cabasa |
| 514 | Maracas | Maracas |
| 515 | Analog Maracas | AnMarac |
| 516 | Short Guiro | ShGuiro |
| 517 | Long Guiro | LoGuiro |
| 518 | Claves | Claves |
| 519 | Mute Cuica | MuCuica |
| 520 | Open Cuica | OpCuica |
| 521 | Mute Triangle | MuTrge |
| 522 | Open Triangle | OpTrge |
| 523 | Shaker | Shaker |
| 524 | Mute Surdo | MuSurdo |
| 525 | Open Surdo | OpSurdo |
| 526 | Melodic Tom | MeloTom |
| 527 | Melodic Tom 2 | MeloTom2 |
| 528 | Melodic Tom 3 | MeloTom3 |
| 529 | Synth Drum | SynDrum |
| 530 | Synth Drum 2 | SynDrum2 |
| 531 | Rhythm Box Tom | RhTom |
| 532 | Electric Drum | E.Drum |
| 533 | Electric Drum 2 | E.Drum 2 |
| 534 | Reverse Cymbal | ReveCym |
| 535 | Reverse Cymbal 2 | ReveCym2 |
| SFX | | |
| 536 | Guitar Fret Noise | GtFreNo |
| 537 | Guitar Fret Noise 2 | GtFreNo2 |
| 538 | Guitar Cutting Noise | GtCutNo |
| 539 | Guitar Cutting Noise 2 | GtaCut 2 |
| 540 | Acoustic Bass String Slap | BsStrSl |
| 541 | Acoustic Bass String Slap 2 | BsStrSl2 |
| 542 | Breath Noise | BreNois |
| 543 | Breath Noise 2 | BreNois2 |
| 544 | Flute Key Click | FIClick |

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|-----------------------|--------------------------------|----------|
| 545 | Flute Key Click 2 | FlClick2 |
| 546 | Seashore | Seashor |
| 547 | Seashore 2 | Seashor2 |
| 548 | Rain | Rain |
| 549 | Thunder | Thunder |
| 550 | Wind | Wind |
| 551 | Stream | Stream |
| 552 | Bubble | Bubble |
| 553 | Bird Tweet | BirdTw |
| 554 | Bird Tweet 2 | BirdTw 2 |
| 555 | Dog | Dog |
| 556 | Horse Gallop | HorseGal |
| 557 | Telephone Ring | TelRing |
| 558 | Telephone Ring 2 | TelRing2 |
| 559 | Door Creaking | DoorCrea |
| 560 | Door | Door |
| 561 | Scratch | Scratch |
| 562 | Wind Chime | WindChim |
| 563 | Helicopter | Helicopt |
| 564 | Car Engine | CarEngin |
| 565 | Car Stop | Car Stop |
| 566 | Car Pass | Car Pass |
| 567 | Car Crash | CarCrash |
| 568 | Siren | Siren |
| 569 | Train | Train |
| 570 | Jetplane | Jetplane |
| 571 | Starship | Starship |
| 572 | Burst Noise | BurstNoi |
| 573 | Applause | Applause |
| 574 | Laughing | Laughing |
| 575 | Screaming | Scream |
| 576 | Punch | Punch |
| 577 | Heart Beat | HeartBea |
| 578 | Footsteps | Footstep |
| 579 | Gunshot | Gunshot |
| 580 | Machine Gun | MachiGun |
| 581 | Lasergun | Lasergun |
| 582 | Explosion | Explosio |
| COMBINED VOICE | | |
| 583 | Stereo Piano & Strings Pad | StPn&Str |
| 584 | Stereo Piano & Choir | StPn&Cho |
| 585 | Stereo Piano & Synth Strings | StPn&Syn |
| 586 | Stereo Piano & Warm Pad | StPn&Pad |
| 587 | Stereo Piano & Soft Ep | StPn&Ep |
| 588 | FM Electric Piano | FMEp |
| 589 | Digital Piano | DigiPn |
| 590 | E.Piano & Strings | EP&Str |
| 591 | E.Piano & Ac Guitar | EP&Gt |
| 592 | E.Piano & Vibraphone | Ep&Vib |
| 593 | E.Piano 2 & Pad | Ep2&Pad |
| 594 | E.Piano 2 & Strings | Ep2&Str |
| 595 | Harpsichord & Stereo Strings | Harps&St |
| 596 | Music Box & Stereo Strings | Mxb&Str |
| 597 | Vibraphone & Stereo Strings | Vib&Str |
| 598 | Vibraphone Octave | VibOct |
| 599 | Vibraphone & Marimba & Kalimba | VibMK |

| | | |
|--------------------------|-----------------------------|----------|
| 600 | Marimba & Kalimba | Mar&Kal |
| 601 | Marimba Delay | MarDel |
| 602 | Xylophone Octave | XylopOct |
| 603 | Organ & Stereo Strings | Org&Str |
| 604 | Stereo Organ & Piano | StOr&Pno |
| 605 | Rock Organ & Strings | RoOr&Str |
| 606 | Church Organ & Choir | ChuOr&Ch |
| 607 | Church Organ & Strings | ChuOr&St |
| 608 | Acoustic Guitar & Flute | Gt&Fl |
| 609 | Acoustic Guitar & Clav | Gt&Cl |
| 610 | 24 String Guitar | 24Gt |
| 611 | Steel Guitar & Warm Pad | StGt&Pad |
| 612 | Stereo Strings & Horn | StStr&Hn |
| 613 | Orchestra | Orchest |
| 614 | Full Strings | FullStr |
| 615 | Full Strings 2 | FullStr2 |
| 616 | Symphonic | Symphon |
| 617 | Stereo Choir & Strings | StCh&Str |
| 618 | Stereo Choir & Steel Guitar | Ch&Gt |
| 619 | 3 Trumpet Loose | 3Trump |
| 620 | Trombone & Stereo Strings | Tb&StStr |
| 621 | 3 Trombones Loose | 3Tromb |
| 622 | 3 Muted Trumpets Loose | 3MuTrumb |
| 623 | Club Brass | ClubBras |
| 624 | Brass & Woodwinds | Br&Wood |
| 625 | Woodwinds & Strings | Wind&Str |
| 626 | Section Woods Small | WoodSma |
| 627 | Pan Flute & Strings Pad | PanFu&St |
| 628 | Koto & Shamisen | Koto&Sh |
| 629 | Flute & Clarinet | Fl&Cl |
| 630 | Flute & Oboe | Fl&Ob |
| 631 | Flute & Bassoon | Fl&Bn |
| 632 | Flute & Oboe & Clarinet | Fl&Ob&Cl |
| 633 | Flute & Clarinet & Bassoon | Fl&Cl&Bn |
| 634 | Flute & Oboe & Bassoon | Fl&Ob&Bn |
| 635 | Flute Octave | FlOct |
| 636 | Flute & Oboe Octave | Fl&ObOct |
| 637 | Flute & Clarinet Octave | Fl&ClOct |
| 638 | Oboe & Bassoon | Ob&Bn |
| 639 | Oboe & Clarinet | Ob&Cl |
| 640 | Oboe & Clarinet & Bassoon | Ob&Cl&Bn |
| 641 | Oboe Octave | ObOct |
| 642 | Oboe & Clarinet Octave | Ob&ClOct |
| 643 | Oboe & Bassoon Octave | Ob&BnOct |
| 644 | Clarinet & Bassoon | Cl&Bn |
| WORLD INSTRUMENTS | | |
| 645 | GuZheng | GuZheng |
| 646 | GuZheng & YangQin | GuZhenYQ |
| 647 | YueQin | YueQin |
| 648 | YueQin & PiPa | YueQinPi |
| 649 | YangQin | YangQin |
| 650 | SanXian | SanXian |
| 651 | SanXian & PiPa | SanXianP |
| 652 | DaRuan | DaRuan |
| 653 | DaRuan & ZhongRuan | DaRuanZR |
| 654 | Midiruan | Midiruan |

Voice List

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|--------------|-------------------|----------|
| 655 | GuQin | GuQin |
| 656 | PiPa | PiPa |
| 657 | PiPa & YangQin | PiPaYang |
| 658 | LiuQin | LiuQin |
| 659 | ReWaPu | ReWaPu |
| 660 | DuXianQin | DuXian |
| 661 | Banhu | Banhu |
| 662 | BanHu & GaoHu | BanHGaoH |
| 663 | Zhonghu | Zhonghu |
| 664 | ErHu | ErHu |
| 665 | ErHu 2 | ErHu2 |
| 666 | GaoHu | GaoHu |
| 667 | Jinghu | Jinghu |
| 668 | ErHuang | ErHuang |
| 669 | Zhuiqin | Zhuiqin |
| 670 | BaWu | BaWu |
| 671 | QuDi | QuDi |
| 672 | QuDi & BangDi | QudiBaDi |
| 673 | Bandi | Bandi |
| 674 | Xindi | Xindi |
| 675 | XInDi & KouDi | XDKouDi |
| 676 | Koudi | Koudi |
| 677 | Hulusi | Hulusi |
| 678 | LuSheng | LuShen |
| 679 | LuSheng 2 | LuShen2 |
| 680 | Xiao | Xiao |
| 681 | GuanZi & Xiao | GuanZiXi |
| 682 | Xun | Xun |
| 683 | Xun & Xiao | Xun&Xiao |
| 684 | SuoNa | SuoNa |
| 685 | HiSuoNa | HiSuoNa |
| 686 | GuanZi | GuanZi |
| 687 | HouGuan | HouGuan |
| 688 | Huang | Huang |
| 689 | PaiXiao | PaiXiao |
| DRUMS | | |
| 690 | Standard Set | Std Set |
| 691 | Room Set | Room Set |
| 692 | Power Set | PowerSet |
| 693 | Electronic Set | ElectSet |
| 694 | Analog Set | Ana Set |
| 695 | Jazz Set | Jazz Set |
| 696 | Brush Set | BrushSet |
| 697 | Orchestra Set | Orch.Set |
| 698 | SFX Set | SFX Set |
| 699 | Chinese Set | ChineSet |
| 700 | Chinese Set (Mix) | ChinSetM |

Style List

| No. | English Name | LCD Name |
|-------------------------|------------------|----------|
| 8 BEAT | | |
| 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 | 8BeatBIR |
| 7 | 8Beat Pop | 8BtPop |
| 8 | Pop Funk | PopFunk |
| 9 | Rhythm&Beat 1 | Rhy&Bt1 |
| 10 | 8Beat Disco | 8BtDisc |
| 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 |
| 16 BEAT | | |
| 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 | Modrn16B |
| 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 | PopDanc |
| 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 | FusShfl |
| 50 | Analog Night 2 | AnalgNt2 |
| 51 | Guitar Pop 3 | GtPop3 |
| 52 | Pop Beat | PopBeat |

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|-----------------|----------------|----------|
| 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 | BalladRk |
| 59 | Piano Pop 1 | PianoPop |
| 60 | Soft Ballad | SoftBald |
| 61 | Natural Ballad | NatuBld |
| 62 | Love Ballad | LoveBld |
| 63 | Easy Ballad | EasyBld |
| 64 | Miami Folk | MiamiBld |
| 65 | Slow Ballad | SlowBald |
| 66 | Folk Ballad | FolkBld |
| 67 | Pop Ballad 1 | PopBld1 |
| 68 | Pop Ballad 2 | PopBld2 |
| 69 | EP Ballad | EPBallad |
| 70 | New R&B Ballad | NewRBBld |
| ROCK | | |
| 71 | Rock | Rock |
| 72 | New Wave | NewWave |
| 73 | Ska | Ska |
| 74 | Pop Rock 2 | PopRock2 |
| 75 | Slow Rock | SlowRock |
| 76 | 70's Rock&Roll | 70'sRock |
| 77 | Folk Rock | FolkRock |
| 78 | Soft Rock | SoftRock |
| 79 | Old Rock | OldRock |
| 80 | Easy Rock | EasyRock |
| 81 | New Shuffle | NewShfl |
| 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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|-------------------------|--------------------|----------|
| 106 | Hip Hop 1 | HipHop1 |
| 107 | House 1 | House |
| 108 | House 2 | House |
| 109 | Pop Dance 2 | PopDanc2 |
| 110 | Down Beat | DownBeat |
| 111 | Techno 2 | Techno2 |
| 112 | Progressive | Progress |
| 113 | Rap 1 | Rap1 |
| 114 | Rap 2 | Rap2 |
| 115 | Disco | Disco |
| 116 | Soft Disco | SoftDisc |
| 117 | Disco Party | DscParty |
| 118 | 70's Disco | 70'sDisc |
| 119 | 70's Disco Funk | 70'sFunk |
| 120 | Club Dance | ClubDanc |
| 121 | Euro Dance | EuroDanc |
| 122 | Hip Hop 2 | HipHop2 |
| 123 | Garage | Garage |
| SOUL & FUNK | | |
| 124 | Funk 1 | Funk1 |
| 125 | Classic Funk | ClasFunk |
| 126 | Jay R&B | JayR&B |
| 127 | Gospel Swing | GopSwing |
| 128 | Gospel | Gospel |
| 129 | Funk 2 | Funk2 |
| 130 | Electric Funk | ElecFunk |
| 131 | Groove Funk | GrooveFk |
| 132 | Rubber Funk | RubberFk |
| 133 | Cool Funky | ColFunky |
| 134 | Jazz Funk | JazzFunk |
| 135 | Groove | Groove |
| 136 | Soul | Soul |
| 137 | Hip Hop Soul | HipHopSl |
| 138 | Hip Hop Beat | HipHopBt |
| 139 | R&B | R&B |
| 140 | Soul Beat | SoulBeat |
| 141 | R&B Ballad 2 | R&BBld2 |
| 142 | British Soul Pop | BritSoul |
| SWING & JAZZ | | |
| 143 | Latin Jazz 1 | LatinJz1 |
| 144 | Big Band | BigBand |
| 145 | Dixieland 1 | Dixland1 |
| 146 | Guitar Swing 1 | GtSwing1 |
| 147 | Broadway Big Band | BwayBand |
| 148 | Swing | Swing |
| 149 | Latin Jazz 2 | LatinJz2 |
| 150 | Fusion | Fusion |
| 151 | Acid Jazz | AcidJazz |
| 152 | Cool Jazz Ballad | CoolJzBd |
| 153 | Swing Shuffle | SwingSfl |
| 154 | Big Band Medium | BandMid |
| 155 | Dixieland 2 | Dixland2 |
| 156 | Acoustic Jazz | AcoustJz |
| 157 | Guitar Swing 2 | GtSwing2 |
| 158 | Ragtime | Ragtime |
| 159 | Modern Jazz Ballad | MdJzBald |

Style List

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| 160 | Swing Ballad | SwingBal |
| 161 | Orchestra Swing | OrhSwing |
| COUNTRY | | |
| 162 | Country Pop 1 | CntyPop1 |
| 163 | Bluegrass 1 | Bluegrs1 |
| 164 | 8Beat Country | Ct8Beat |
| 165 | Modern Country | ModernCt |
| 166 | Country Pop 2 | CntyPop2 |
| 167 | Bluegrass 2 | Bluegrs2 |
| 168 | 2/4 Country | 2/4Cntry |
| 169 | Country Quick Steps | QuickStp |
| 170 | Country Folk | CntyFolk |
| 171 | Country Shuffle | CnyShufl |
| LATIN & LATIN DANCE | | |
| 172 | Samba 3 | Samba3 |
| 173 | Bossa Nova | BosaNov |
| 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 | VinaWtz |
| 199 | Slow Waltz 2 | SlwWltz2 |
| 200 | Jazz Waltz | JzWaltz |
| 201 | Polka | Polka |
| 202 | 6/8 March | 6/8March |
| 203 | German Polka | GerPolka |
| 204 | Party Polka | PtyPolka |
| 205 | Army March | ArmMarch |
| 206 | March | March |
| 207 | US March | USMarch |
| 208 | Musette | Musette |
| 209 | French Musette | FMusette |
| 210 | Mazurka | Mazurke |
| WORLD | | |
| 211 | Enka Ballad | EnkaBald |

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|---------|-----------------------|----------|
| 212 | Laendler | Laendler |
| 213 | Hawaiian | Hawaiian |
| 214 | Sirtake | Sirtake |
| 215 | Dangdut | Dangdut |
| 216 | 6/8 Flipper | 6/8Flipp |
| 217 | New Age | NewAge |
| 218 | Tarantella | Tarantel |
| 219 | Scottish | Scottish |
| 220 | Norteno | Norteno |
| 221 | Chinese R&B 1 | ChnR&B1 |
| 222 | Chinese Hip Hop 1 | ChH-Hop1 |
| 223 | Chinese Folk Rock | ChFolkRk |
| 224 | GuangXi Folk | GuangXi |
| 225 | XinJiang Rock | XJiangRK |
| 226 | Chinese Disco | ChnDisco |
| 227 | BeiJing Beat | BeiJing |
| 228 | Chinese Shuffle | ChnShufl |
| 229 | YunNan Pop | YunNan1 |
| 230 | Chinese Funk | ChnFunk |
| 231 | Chinese Rock | ChnRock |
| 232 | Chinese R&B 2 | ChnR&B2 |
| 233 | Chinese Folk 1 | ChnFolk1 |
| 234 | Chinese Beat | ChnBeat |
| 235 | Chinese R&B 3 | ChnR&B3 |
| 236 | JiangNan Pop | JNan Pop |
| 237 | Chinese Folk 2 | ChnFolk2 |
| 238 | Chinese Hip Hop 2 | ChH-Hop2 |
| 239 | NeiMeng Folk | NeiMFolk |
| 240 | Chinese Techno | ChTechno |
| 241 | DaiZu Folk | DaiZu |
| 242 | XinJiang Dance | XinJiang |
| 243 | New Folk 1 | NewFolk1 |
| 244 | New Folk 2 | NewFolk2 |
| 245 | JiangNan Folk 1 | JiangNan |
| 246 | Korea Folk | Korea |
| 247 | Kazak Folk | Hasake |
| 248 | ZangZu Folk | ZangZu |
| 249 | XinJiang Folk | XJangFok |
| 250 | Folk Band 1 | FolkBnd1 |
| 251 | Folk Band 2 | FolkBnd2 |
| 252 | Yang Ge | Yangge |
| 253 | HeNan | HeNan |
| 254 | YunNan | YunNan |
| 255 | NeiMengGu | NeiMeng |
| 256 | JiangNan Folk 2 | JangNan |
| 257 | Jubilance | Jubilanc |
| 258 | Oriental Modern Dance | OrlDance |
| 259 | Oriental | Oriental |
| 260 | GuangDong | GungDong |
| PIANIST | | |
| 261 | Pianist 1 | Pianist1 |
| 262 | Pianist 2 | Pianist2 |
| 263 | Pianist 3 | Pianist3 |
| 264 | Jazz 1 | Jazz1 |

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| 265 | Jazz 2 | Jazz2 |
| 266 | Jazz Pub | JazzPub |
| 267 | Piano Rock | PianoRk |
| 268 | Pop Bossa | PopBossa |
| 269 | March 1 | March1 |
| 270 | March 2 | March2 |
| 271 | Piano Beat | PianoBt |
| 272 | Piano Bar | PianoBar |
| 273 | Blues | Blues |
| 274 | Pop Waltz | PopWaltz |
| 275 | Slow Waltz | SlwWltz |
| 276 | Ballad 1 | Ballad1 |
| 277 | Ballad 2 | Ballad2 |
| 278 | 6/8 Ballad | 6/8Ballad |
| 279 | Pop 1 | Pop1 |
| 280 | Pop 2 | Pop2 |

Song List

| NO. | English Name | LCD Name |
|---------------------------|-------------------------------|----------|
| FOLK & COUNTRY | | |
| 1 | Toccata | Toccata |
| 2 | Carry Me Back To Old Virginny | CarMeBk |
| 3 | El Condor Pasa | ElCondor |
| 4 | Traumerei | Traumere |
| 5 | Aloha Oe | AlohaOe |
| 6 | Greensleeves | Sleeves |
| 7 | Home Sweet Home | SwHome |
| 8 | Heidenroslein | Heidenro |
| 9 | Long, Long Ago | LongIAgo |
| 10 | Die Lorelei | Lorelei |
| 11 | Over The Waves | OverWave |
| 12 | My Darling Clementine | Clemnt |
| 13 | Gwine To Run All Night | Gwine |
| 14 | Symphony No.6 "Pathetic" | Sympony6 |
| 15 | Oh! Susanna | Susanna |
| 16 | Prelude Op.28 No.15 | Prelude |
| 17 | The House Of The Rising Sun | RiseSun |
| 18 | Menuet | Menuet |
| GOLDEN & POP | | |
| 19 | Valse Des Fleurs | Fleurs |
| 20 | Fruhlingstimmten | Fruhling |
| 21 | Frohlicher Landmann | Landmann |
| 22 | Are You Lonesome Tonight? | RULone |
| 23 | Toy Symphony | ToySymph |
| 24 | Auld Lang Syne | AulSyne |
| 25 | Ave Maria | Avemaria |
| 26 | Tales Of Hoffman | Hoffman |
| 27 | La Donne Mobile | DoneMble |
| 28 | Serenata | Serenata |
| 29 | Bridal March | Bridal |
| 30 | Can'T Help Fallin' In Love | Canthlp |
| 31 | Chanson Du Toreador | Toreador |
| 32 | Danny Boy | DannyBoy |
| 33 | Ich Liebe Dich | LieDich |
| 34 | Wiegenlied 2 | Wiegld2 |
| 35 | Spanish Serenade | Serenade |
| 36 | Piano Concerto | Concerto |
| 37 | Piano Concerto 2 | Concrto2 |
| 38 | Madame Butterfly | Madame |
| 39 | Invitation To The Dance | ToDance |
| 40 | Wiegenlied 3 | Wiegld3 |
| 41 | Jingle Bells | Jinbells |
| 42 | Joy To The World | JoyWorld |
| 43 | La Paloma | LaPaloma |
| 44 | My Bonnie | MyBonnie |
| 45 | La Reine De Saba | Saba |
| 46 | La Cucaracha | Cucarach |
| 47 | Little Brown Jug | BrownJug |
| 48 | Battle Hymne Of The Republic | BatlHyme |
| 49 | Yellow Rose Of Texas | YellRose |
| 50 | The Wabash Cannon Ball | CannBall |
| 51 | Annie Laurie | AnnieLa |
| 52 | Turkish March | Turkish |

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| 53 | An Die Musik | Musik |
| 54 | Lieder Ohne Worte Op.62 No.6 | Lieder |
| 55 | Red River Valley | RedRiver |
| 56 | Die Forelle | Forelle |
| 57 | Symphony No. 94 "Suprise" | No. 94 |
| 58 | Polonaise | Polonais |
| 59 | Rondeau | Rondeau |
| 60 | Moments Musicaux | Musicaux |
| 61 | Silent Night | Silnight |
| 62 | Moldau | Moldau |
| 63 | Summertime | Summer |
| 64 | Dreaming Of Home And Mother | Dreaming |
| 65 | Ring Ring De Banjo | DeBanjo |
| 66 | Der Lindenbaum | DerLinde |
| 67 | Zigeunerweisen | Zigeuner |
| 68 | The Maiden's Prayer | Prayer |
| 69 | Fur Elise | FurElise |
| 70 | Der Freischutz | DerFreis |
| 71 | Maria! Mari! | Maria! |
| CLASSICAL | | |
| 72 | Waves Of The Danube | WaDanube |
| 73 | Santa Lucia | SantaLuc |
| 74 | Solveig's Song | Solveig |
| 75 | Pianosonatan 08 IN Cm IN Pathetique | Piano08 |
| 76 | Brahms Waltz | BrmsWalz |
| 77 | Aida | Aida |
| 78 | Carmen-Prelude | Carmen2 |
| 79 | L'Arlesienne | L'Arlesi |
| 80 | Ungarische Tanz | Ungaris |
| 81 | Mazurka | Mazurka |
| 82 | Pizzicato Polka | Polka |
| 83 | Menuett | Menuett |
| 84 | Rigoletto | Rigolett |
| 85 | Serenade | Serenade |
| 86 | Song Without Words | SongNoWd |
| 87 | Swan | Swan |
| 88 | Prelude To Act 2 (Swan Lake) | SwanLak1 |
| 89 | Valse (Swan lake) | SwanLak2 |
| 90 | The Happy Farmer | HpFarmer |
| 91 | The Sleeping Beauty | SleepBty |
| 92 | La Traviata | LaTravia |
| 93 | Wiegenlied | Wiegenli |
| 94 | Mov.2 Adagio Non Troppo Piano Sonata No.9 In D | Sonata9 |
| 95 | Mov.1 Andante Grazioso Piano Sonata No.11 In A [Alla TurSonata11ca] | Sonata11 |
| 96 | Prelude In C | Prelude |
| 97 | Chinese Dance | ChDance |
| 98 | Emperors Waltz | EmprWalz |
| 99 | March Militaire | MilMar1 |
| 100 | Symphony No.40 | Symphony |
| PIANO | | |
| 101 | Hanon Piano Fingering 1 | Hanon 1 |
| 102 | Hanon Piano Fingering 2 | Hanon 2 |
| 103 | Hanon Piano Fingering 3 | Hanon 3 |
| 104 | Hanon Piano Fingering 4 | Hanon 4 |

Song List

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| 105 | Hanon Piano Fingering 5 | Hanon 5 |
| 106 | Basic Tutorial Beyer Piano 12 | Beyer 12 |
| 107 | Basic Tutorial Beyer Piano 13 | Beyer 13 |
| 108 | Basic Tutorial Beyer Piano 14 | Beyer 14 |
| 109 | Basic Tutorial Beyer Piano 15 | Beyer 15 |
| 110 | Basic Tutorial Beyer Piano 18 | Beyer 18 |
| 111 | Cuckoo | Cuckoo |
| 112 | Basic Tutorial Beyer Piano 21 | Beyer 21 |
| 113 | Basic Tutorial Beyer Piano 29 | Beyer 29 |
| 114 | Butterfly | Butterfly |
| 115 | Basic Tutorial Beyer Piano 45 | Beyer 45 |
| 116 | Christmas Eve | Chriseve |
| 117 | Basic Tutorial Beyer Piano 50 | Beyer 50 |
| 118 | Basic Tutorial Beyer Piano 52 | Beyer 52 |
| 119 | Basic Tutorial Beyer Piano 55 | Beyer 55 |
| 120 | Basic Tutorial Beyer Piano 59 | Beyer 59 |

Demo List

| NO. | English Name | LCD Name |
|-----|--------------|----------|
| 1 | Demo | Demo |
| 2 | Bossa Nova | BosaNova |
| 3 | Fusion | Fusion |
| 4 | Jazz | Jazz |
| 5 | Funk | Funk |

MIDI Implementation Chart

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

- Mode 1: OMNI ON, POLY
- Mode 2: OMNI ON, MONO

- Mode 3: OMNI OFF, POLY
- Mode 4: OMNI OFF, MONO
- : YES
- ×: NO

