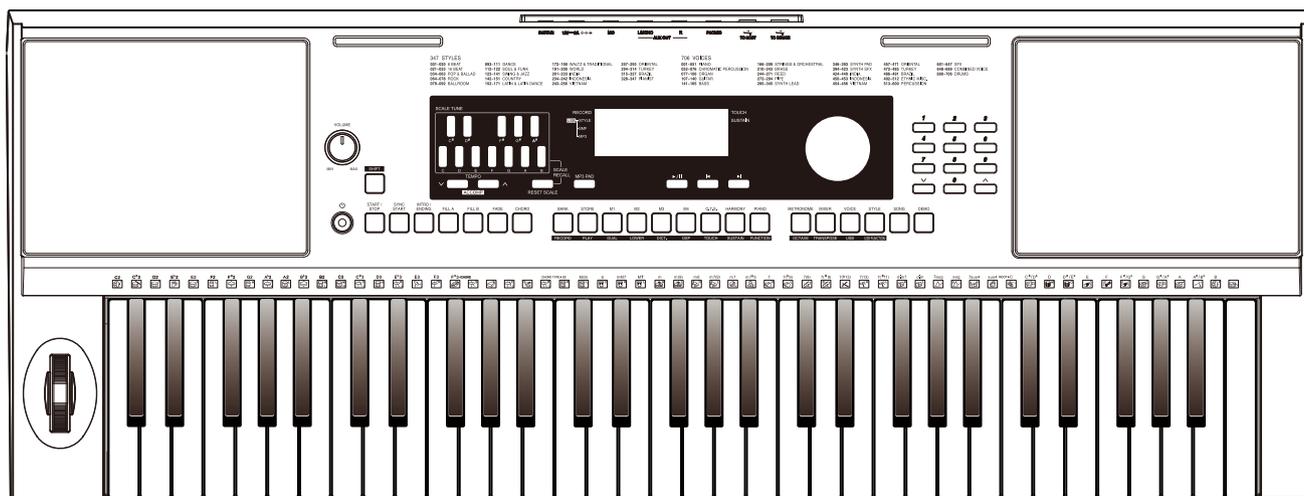


Roland

E-X30

ARRANGER KEYBOARD

Owner's Manual



Before using this unit, carefully read “USING THE UNIT SAFELY” and “IMPORTANT NOTES” (the leaflet “USING THE UNIT SAFELY”). After reading, keep the document(s) where it will be available for immediate reference.

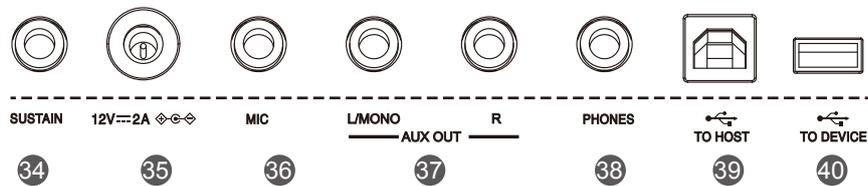
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Rear Panel



34. SUSTAIN jack (P.18)
Connect a sustain pedal.

35. DC 12V jack
Connect the DC 12 V power adaptor .

36. MIC jack
Connect to a microphone.

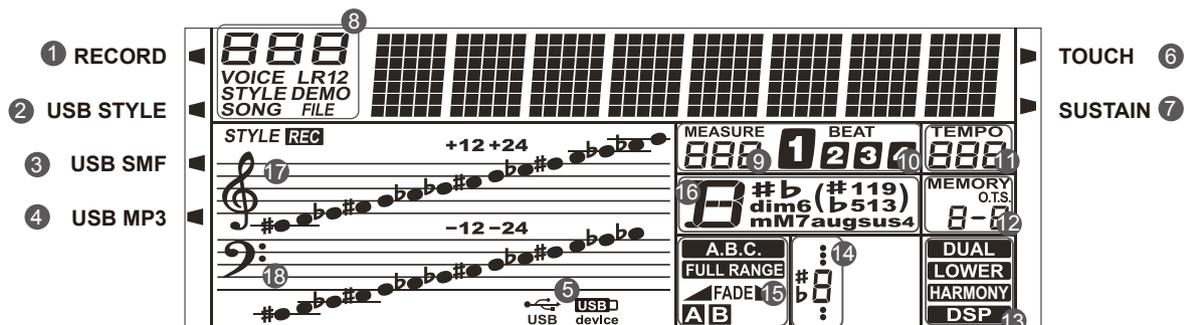
37. AUX OUT jack
Connect external audio equipment.

38. PHONES jack
Connect a pair of headphones.

39. USB Host jack
Connect to a computer.

40. USB Device jack
Connect a USB flash drive.

LCD



1. RECORD
2. USB STYLE
3. USB SMF
4. USB MP3
5. USB CABLE/USB FLASH DRIVE
6. TOUCH
7. SUSTAIN
8. VOICE/ STYLE/ DEMO/ SONG
9. MEASURE
10. BEAT

11. TEMPO
12. M1-M4/ONE TOUCH SETTING
13. DUAL/ LOWER/ HARMONY/ DSP
14. NOTE INDICATION
15. A.B.C. / FULL RANGE/ FADE/ ACCOMPANIMENT SECTION
16. CHORD
17. TREBLE CLEF
18. BASS CLEF

Setup

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

Power Supply

You can power the instrument either by batteries or by the included power adaptor.

Before you switch your instrument on, turn down the volume of instrument and the connected audio equipment first.

Using Batteries

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

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

Note:

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

Using Power Adaptor

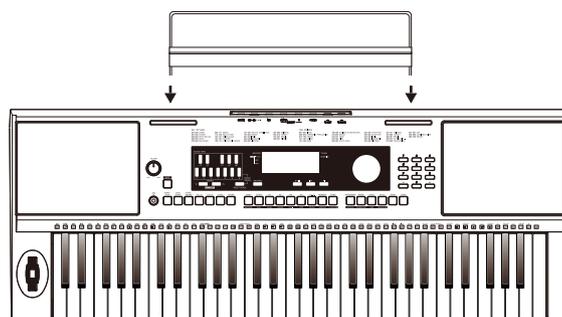
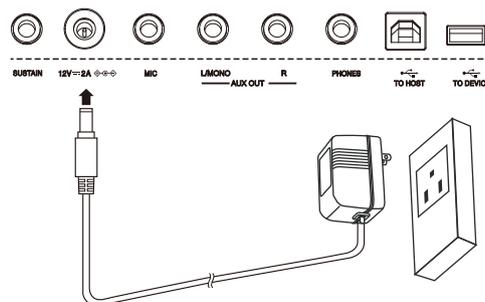
1. Connect the adaptor to the DC 12V jack of this instrument.
2. Plug the adaptor into an AC outlet.
3. Press the POWER SWITCH, the LCD screen is lit, which indicates the instrument is powered on.
4. If you are ready to turn off the instrument, press the POWER SWITCH again.

Note:

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

Setting a Music Rest

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

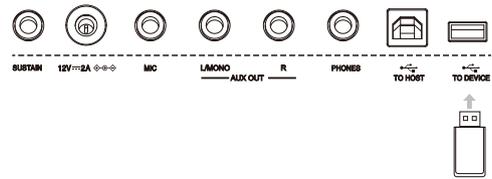


Connect a USB Flash Drive

Connect a USB flash drive to the instrument, you can save the data you've created such as recorded data to USB flash drive, load files from USB flash drive to the instrument, or use the instrument to play back files saved on USB flash drive.

Note:

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

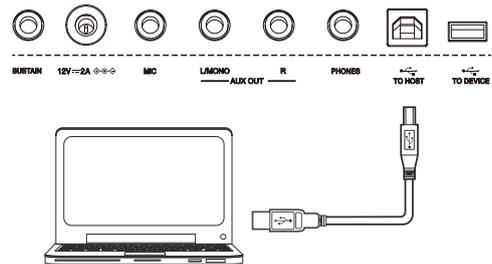


Connecting a Computer

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

Note:

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

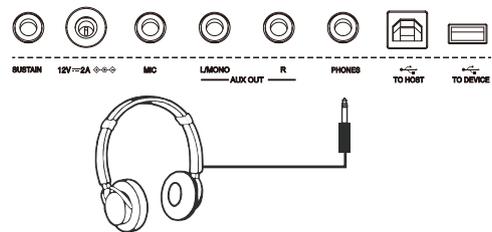


Connecting a pair of Headphones

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

Note:

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



Connecting an Audio Equipment

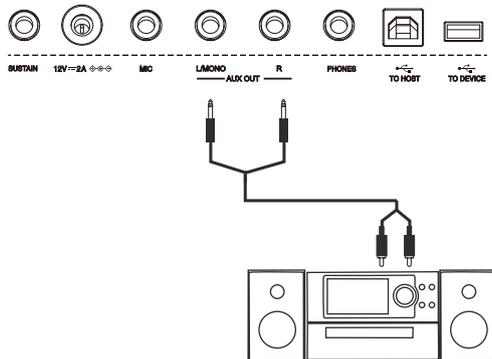
The rear-panel AUX OUT jacks deliver the output of the instrument to an external audio equipment such as a keyboard amplifier, a stereo sound system, a mixing console, or a tape recorder.

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

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

Note:

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

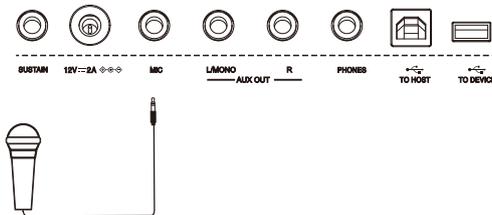


Connect a Microphone

Before connecting or disconnecting a microphone, please set the master volume to minimum level. Plug the microphone into the MIC jack, then adjust the master volume to an appropriate level.

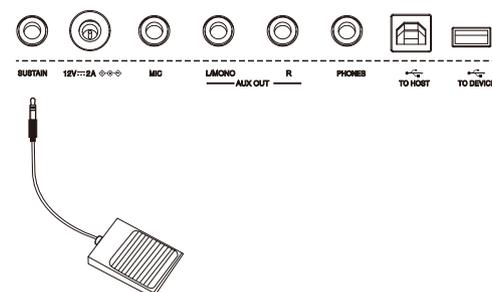
Note:

Please unplug the microphone when it is not in use.



Connecting a Footswitch

An optional footswitch can be plugged into the sustain jack, and you can assign different functions to the pedal in the Function Menu. If you select the sustain pedal, when you step on the pedal, all notes you play on the keyboard will have a longer sustain. (Refer to the Function Menu for details)



Power/Master Volume

Turn the Power On/Off

1. Make sure the instrument is properly connected to power supply.
2. Press POWER SWITCH, the LCD screen is lit, indicating the instrument is powered on.

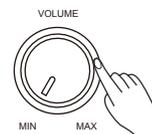


Note:

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

Adjust the Master Volume

Rotate the [VOLUME] knob clockwise to increase the master volume or counter-clockwise to decrease it. Adjust to set the desired volume level.



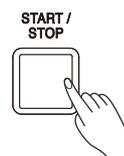
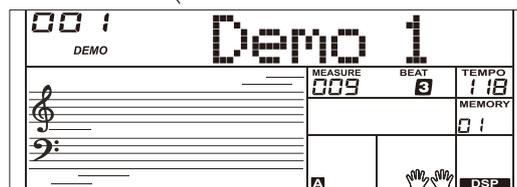
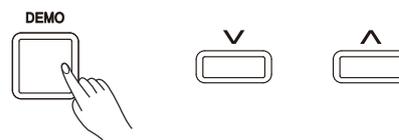
Note:

If the keyboard keeps silent, check if the volume has been set to minimum or if headphones are plugged into the PHONES jack.

Playing Demo Songs

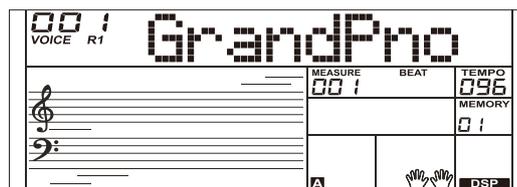
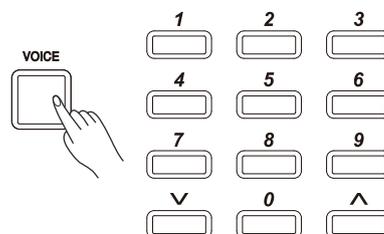
This instrument features several wonderful demos .
(Please refer to Demo List.)

1. Press the [DEMO] button, the LCD will display the current demo number and name, meanwhile, all demo songs will play in a loop.
2. Use the data dial or the [V] / [^] button to select a demo song.
3. Press the [DEMO] or [START/STOP] button to stop playing, and exit demo mode.



Playing Voices

1. Press the [VOICE] button.
Enter the Voice Mode. The LCD displays the current default voice name and number.
2. Select a Voice.
Use the data dial, the numeric buttons or the [V] / [^] button to select the voice you want to play.
3. Play the Voice.
Play the keyboard and enjoy the beautiful voice.

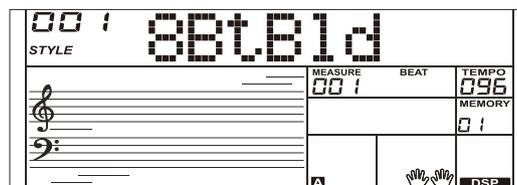
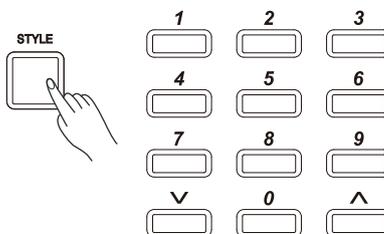


Note:

When the upper/lower voice is on, you can use the numeric buttons to select a desired upper/lower voice.

Playing Styles

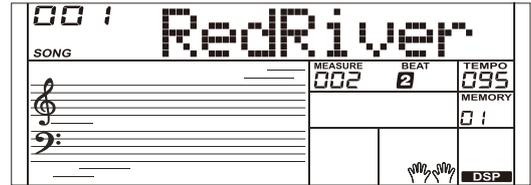
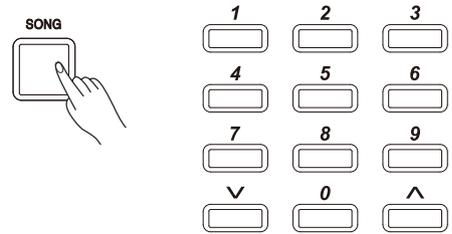
1. Press the [STYLE] button.
Enter the Style Mode. The LCD displays the current default style name and number.
2. Select a Style.
Use the data dial, the numeric buttons or the [V] / [^] button to select the style you want to play.
3. Play the Style.
Press the [START/STOP] button to start playing the rhythm. Or you can press the [SYNC START] button, then press a key to start the rhythm.



Playing Songs

This instrument has featured a variety of preset songs.

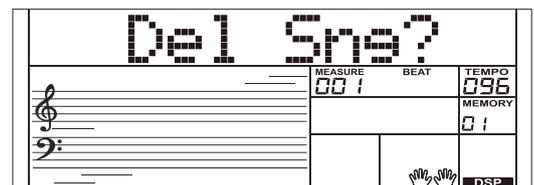
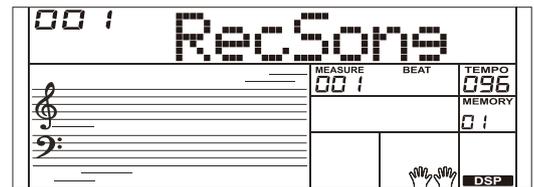
1. Press the [SONG] button.
Enter the song mode. It will play all songs circularly.
2. Select a song.
Use the data dial, the numeric buttons or the [v] / [^] button to select the song you want to play.
3. Press the [▶/||] button.
It will stop the song playback. Press the button again, it will play the current song repeatedly.
4. When the playback stops, press the [STYLE] or [VOICE] button to exit song mode.



Record

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

1. Press and hold the [SHIFT] button, and then press the [RECORD] button. Enter the user song selection interface, you can use the data dial or the [v] / [^] button to select a user song to which your recording will be saved.
2. Press and hold the [SHIFT] button, and then press the [RECORD] button. Enter the record standby mode, and you can select voice, style or other settings for the recording.
3. Press the [START/STOP] button or play a key on the keyboard to start recording.
4. Press and hold the [SHIFT] button, and then press the [RECORD] button to exit the record mode.
5. If you want to play back a recorded song, you can press and hold [SHIFT] button, and then press the [PLAY] button to enter the selection interface. Use the data dial or the [v] / [^] button to select the recorded song you want to play back. Press and hold the [SHIFT] button and then press the [PLAY] button to play back recorded songs.
6. While playing back recorded songs, you can press and hold the [SHIFT] button and then press the [PLAY] button to exit the playing back.
7. In the selection interface of record playing back, press and hold the [SHIFT] button and then press the [RECORD] button, it displays "Del Sng?", press [^] to delete the song, or [v] to cancel and go back to the selection interface.



Playing Voices

The instrument features a variety of build-in voices .Try selecting different voices and play with various preset effects. Please refer to the Voice List.

Selecting a Voice

When power on, the “VOICE R1” icon will light up and the LCD will display the current voice name and number. Use the data dial, the numeric buttons or [V] / [^] button to select the voice you want to play.

Note:

In voice mode, when Voice R1, R2 and L are in use, you can press the [VOICE] button repeatedly to switch between different voice layers.

Playing two voices simultaneously-DUAL

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

1. In idle mode, press and hold the [SHIFT] button and then press the [DUAL] button to turn dual function on. The LCD displays the current voice name and number, “VOICE R 2” and “DUAL” will light up. You can use the data dial, the numeric buttons or [V] / [^] button to select the dual voice you want to play. The default Voice R2 is: String Ensembles.
2. Play the keyboard, and then you will hear two different voices layered together. It seems like two different instruments playing at the same time.
3. When dual function is on, press and hold the [SHIFT] button and then press the [DUAL] button, it will turn dual function off.

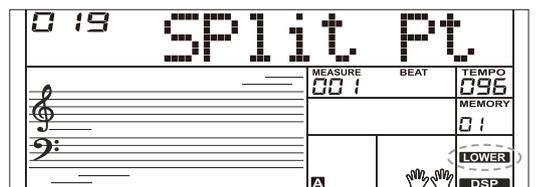
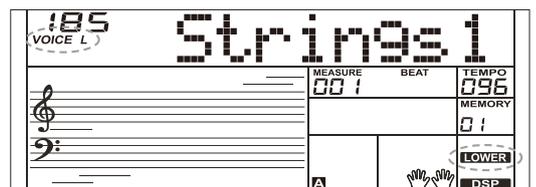
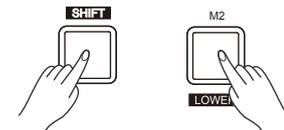
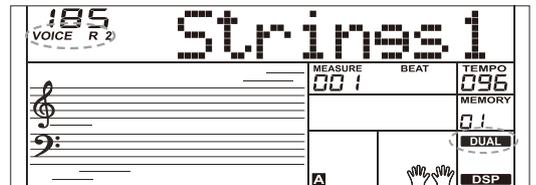
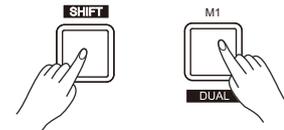
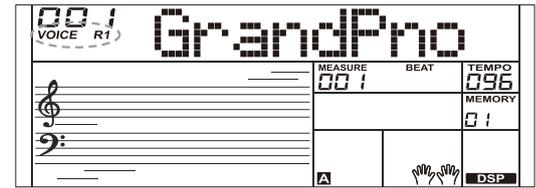
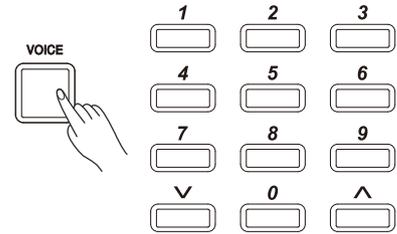
Note:

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

Playing Different Voices with Both hands-LOWER

The lower function splits the keyboard into the left and the right hand areas, each with a different voice. The left hand voice is the lower voice “VOICE L.” The default split point is F#3 (19), however, you can set the split point to any key as required. (Refer to Split Point for more details).

1. In idle mode, press and hold the [SHIFT] button and then press the [LOWER] button to turn the lower function on. The LCD displays the left hand voice name and number, and the indicate “VOICE L” and “LOWER.”
2. You can use the data dial, the numeric buttons or the [V] / [^] button to select the lower voice you want to play. The default Voice L is: String Ensembles.
3. Play the keyboard with both hands and you will hear two different voices.
4. When lower function is on, press and hold the [SHIFT] button and then press the [LOWER] button, it will turn lower function off.

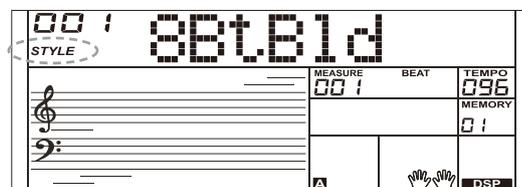
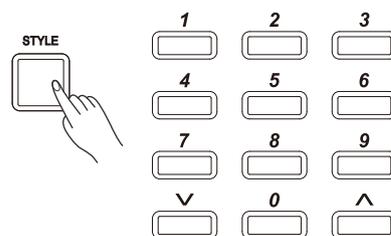


Auto Accompaniment

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

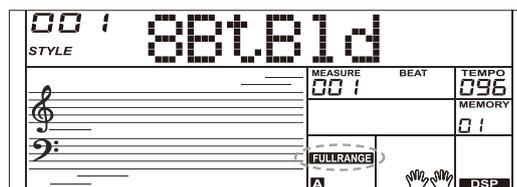
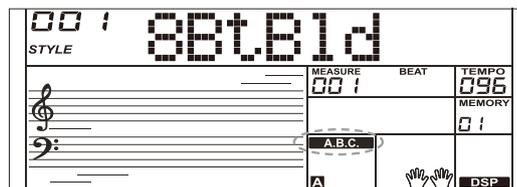
Play Auto Accompaniment (rhythm track only)

1. Press [STYLE] button.
Enter the style mode. The "STYLE" icon on the LCD will light up. The LCD displays the name and number of the current style.
2. Select a style.
Use the data dial, the numeric buttons or the [v] / [^] button to select a style you want to play.
3. Start playing a style.
Press the [START/STOP] button to start the rhythm tracks of the auto accompaniment. Also you can press [SYNC START] and then play any key to start the rhythm tracks of the auto accompaniment.



Play Auto Accompaniment(all tracks)

1. Turn the auto accompaniment on.
In style mode, you can press the [CHORD] button to enter the "auto bass chord" (A.B.C.) mode. The keyboard is split into two sections. Left hand section is the chord section. The "A.B.C." icon will light up.
Press [CHORD] button again to enter "full range" mode.
The "FULL RANGE" icon will light up. You can play chords over the entire keyboard in multi-fingering.
2. Start the auto accompaniment.
You can press [SYNC START] button and then play a chord in chord section to start auto accompaniment of all tracks. When you change a chord, the accompaniment automatically changes.
You can also press [START/STOP] button to start auto accompaniment of rhythm track, then play a chord in chord section. It will start auto accompaniment of all tracks.



Accompaniment Sections

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

INTRO Section

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

MAIN Section

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

FILL-IN Section

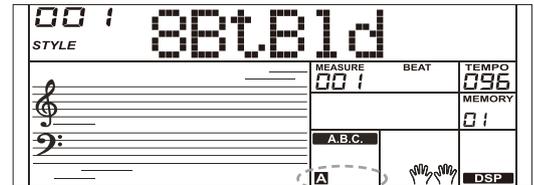
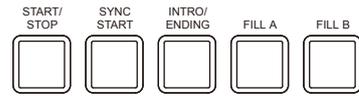
Auto fill in function automatically adds a fill to your performance. When the fill-in pattern is finished, accompaniment will shift to the related main section (A,B).

ENDING Section

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

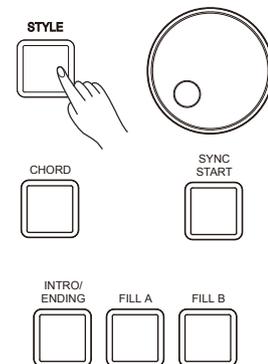
Note:

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



Playing Different Accompaniment Sections

1. Press the [STYLE] button.
2. Use the data dial or [v]/ [^] button to select a style.
3. Press [CHORD] button to enter A.B.C. (auto bass chord) mode.
4. Press [SYNC START] button.
5. Press the [FILL A] button, select the Main A section.
6. Press the [INTRO/ENDING] button. Now the "A" lights up on LCD, and the style is ready to play.
7. As soon as you play a chord with your left hand, the auto accompaniment starts. When the playback of the intro is finished, it automatically leads into Main A section.
8. Press the [FILL B] button. A fill-in plays, automatically followed by the Main B section.
9. Press the [INTRO/ENDING] button again, and it will enter the Ending Section. When the ending is finished, the auto accompaniment automatically stops.



Fade

1. Fade In

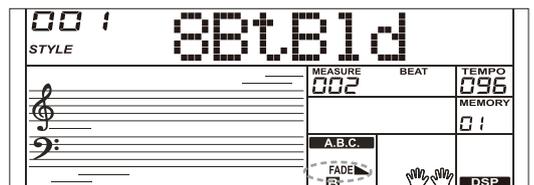
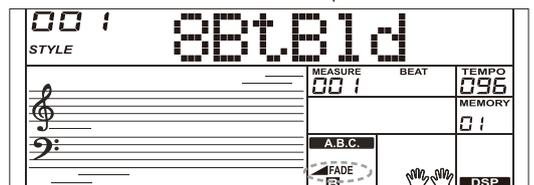
Starting the style with fade in produces a smooth beginning, the volume increases from low to high. Press the [FADE] button when Style playback is stopped. The "▲FADE" icon will be lighting up, and then flashing with style playing.

2. Fade Out

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

3. Fade In/ Out Time

The default time is 10 seconds.



Auto Accompaniment

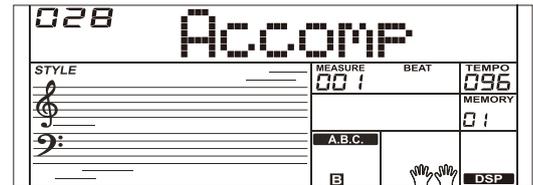
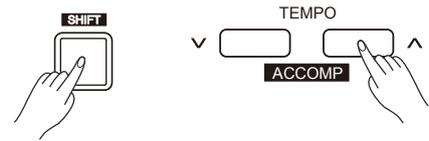
Accompaniment Volume Control

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 the [SHIFT] button, and then use the ACCOMP [V] / [^] button to set accompaniment volume, adjustable range: 0~32, the LCD displays current accompaniment volume level.
2. Press and hold the [SHIFT] button and then press the ACCOMP [V] / [^] for a while to quickly adjust the volume value.
3. When LCD displays the volume level, pressing [SHIFT] and then pressing the ACCOMP [V] and [^] simultaneously will reset to the default volume. Pressing [SHIFT] and then pressing ACCOMP [V] and [^] simultaneously again will mute the accomp volume. The LCD will display "000". Repeat this operation to unmute the volume.

Note:

It will automatically exit the setting if there is no operation in 3 seconds.



Chord Fingering

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

Chord Basics

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

Triad Type

There are following basic triad types:

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

Chord Inversion

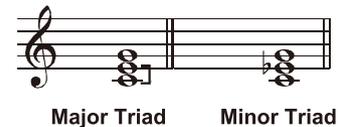
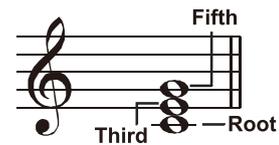
We define this chord its root is not in the bass (i.e. the root is not the lowest note) as an inversion chord. When the root is in the bass, we call the chord: root-position chord. If we put the Third and Fifth in the root position, then it forms "Inversion," we call this chord "Inversion Chord." See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

Chord Name

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

Single Finger

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



Diminished Triad Augmented Triad



Root Position First Inversion Second Inversion

Cm

Chord Root Chord Type

C	★ Major Triad Only press the root note on the keyboard.
Cm	★ Minor Triad Press the root note and the nearest left black key simultaneously.
C7	★ Seventh chord Press the root note and the nearest left white key simultaneously.
Cm7	★ Minor seventh chord Press the root note and the nearest left white and black keys simultaneously.

Multi-finger

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

Note:

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

0 C 	1 C ₆ 	2 C _{M7} 	3 C _{M7} (#11) 	4 C _M (9) 	5 C _{M7} (9) 
6 C ₆ (9) 	7 C _{aug} 	8 C _m 	9 C _{m6} 	10 C _{m7} 	11 C _{m7} (b5) 
12 C _m (9) 	13 C _{m7} (9) 	14 C _{m7} (11) 	15 C _{mM7} 	16 C _{mM7} (9) 	17 C _{dim} 
18 C _{dim7} 	19 C ₇ 	20 C _{7sus4} 	21 C ₇ (b5) 	22 C ₇ (9) 	23 C ₇ (#11) 
24 C ₇ (13) 	25 C ₇ (b9) 	26 C ₇ (b13) 	27 C ₇ (#9) 	28 C _{M7aug} 	29 C _{7aug} 
30 C _{sus4} 	31 C ₁₊₂₊₅ 	Notes enclosed in parentheses are optional; the chords could be recognized without them.			

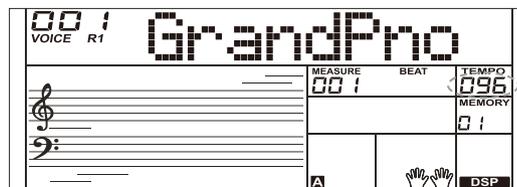
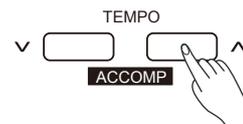
Tempo

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

1. Use the TEMPO [V] / [^] button to change the tempo. While the tempo value is flashing, use the data dial to quickly change the tempo.
2. Press the TEMPO [V] and [^] buttons simultaneously to restore the default tempo setting.

Note:

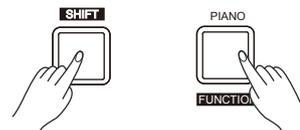
When style stops, changing the style will automatically reset the tempo. However, changing the style during style playback will not result in tempo change.



Function Menu

1. Enter the 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.



2. Adjust the settings.

Use the data dial to select a parameter. Use the [V] / [^] buttons to change the setting of the selected item. Press [^] and [V] at the same time to restore the default setting.

Note:

It will exit the function menu if there is no operation in 10 seconds.

Detailed parameters and their ranges:

NO.	Content	LCD Display	Range	Default
1	Tune	XXX Tune	-50 ~ +50	0
2	Tempo Remain	XXX TempoRmn	On, OFF	On
3	Octave R1	XXX OctaveR1	-2 ~ +2	0
4	Octave R2	XXX OctaveR2		
5	Octave L	XXX OctaveL	-2 ~ +2	1
6	Touch Response	XXX Touch	OFF, 1~3	2
7	Split Point	XXX SplitPt	1~61	19
8	Beat Type	XXX Beat	0, 2~9	4
9	Pedal Function	XXX Ped XXX	Ped Sust, Ped Soft, Ped Mem, Ped St/s	Ped Sust
10	Sustain Type	XXX Ped Rel	On, OFF	On
11	EQ Type	XXX EQ XXX	EQ Piano, EQ Pop, EQ Rock, EQ Class, EQ Jazz, EQ R&B	EQ Piano
12	Reverb Type	XXX RevXXX	RevHall1 RevHall2, RevHall3, RevHall4, RevPnoH, RevRoom1, RevRoom2, RevRoom3, RevChrh, RevGrg, RevStdH	RevStdH
13	Reverb Level	XXX Rev Lev	0~32	28
14	R1 Reverb Level	XXX RevLevR1	0~32	9
15	R2 Reverb Level	XXX RevLevR2	0~32	9
16	L Reverb Level	XXX RevLevL	0~32	9
17	Chorus Type	XXX ChrXXX	ChrChrs1, ChrChrs2, ChrChrs3, ChrChrs4, ChrGMCr1, ChrGMCr2, ChrCel1, ChrCel2, ChrSymp1, ChrSymp2, ChrDoub, ChrStd.	ChrStd.
18	Chorus Level	XXX Chr Lev	0~32	0
19	Harmony Type	XXX HrmXXX	HrmDuet, HrmTrio, HrmOctv, Hrm1+5, HrmCtDut, HrmBlock, Hrm4Cls1, Hrm4Cls2, Hrm4Open	HrmDuet
20	Fade Time	XXX FadeTime	1 ~ 20	10
21	Tempo lock	XXX TempoLck	On, OFF	OFF
22	Voice lock	XXX VoiceLck	On, OFF	OFF
23	Style lock	XXX StyleLck	On, OFF	OFF
24	Transpose lock	XXX TransLck	On, OFF	OFF
25	Mic Register	XXX MRegist	On, OFF	On
26	MIDI Out	XXX MIDIOut	1 ~ 16	1
27	Song Loop	XXX SongLoop	1, ALL, OFF	ALL
28	Auto Power Off	XXX PowerOff	30, 60, OFF	30
29	Factory Reset	Reset	-	-

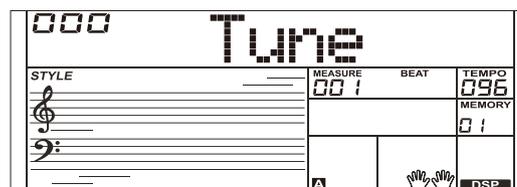
Tune

This function adjusts the pitch of the entire keyboard in 2-cent increments over a range of ± 50 (100 cents).

1. In the function menu, use the data dial to select "Tune".

2. Use the [V] / [^] buttons to change the tune value.

The setting applies to both accompaniment and the voice.



Tempo Remain

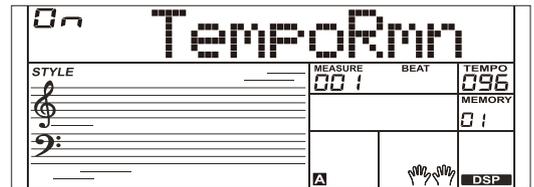
When this function is turned on, when you change styles during style playback, the playback tempo will remain unchanged.

1. In the function menu, use the data dial to select “TempoRmn”.

2. Use the [V] / [^] buttons to turn this function on or off.

Note:

Tempo remain will work only when you change styles during the playback.



Octave

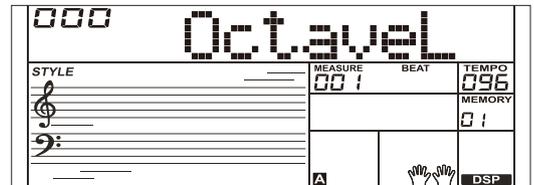
This function will shift the pitch of the specified voice layer up or down by one octave.

1. In the function menu, use the data dial to select “OctaveR1” / “OctaveR2” / “OctaveL”.

2. Use the [V] / [^] buttons to change the octave value.

Note:

The default octave setting of each preset voice may differ.



Touch Response

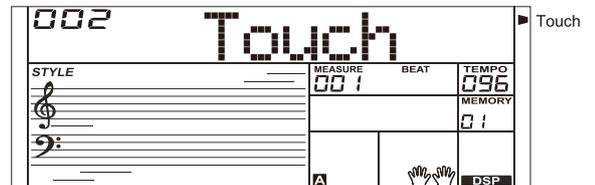
The touch response feature allows you to expressively control the voice level based on your playing dynamics, just as on an acoustic instrument.

1. In the function menu, use the data dial to select “Touch”.

2. Use the [V] / [^] buttons to change the setting.

Note:

Your setting will be automatically saved when you press [POWER] to turn off the instrument.



Split Point

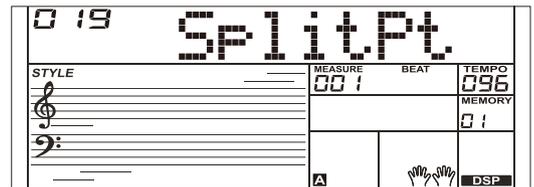
This function sets the point which separates the entire keyboard to two sections. The left hand section controls the auto bass chord accompaniment when the A.B.C. function is on, or it plays the lower voices when the A.B.C. function is off.

1. In the function menu, use the data dial to select “Split Pt”.

2. Use the [V] / [^] buttons or press any key on the keyboard to assign the split point.

Note:

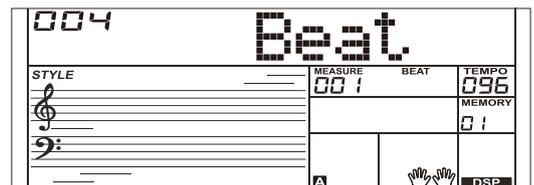
The Split Point belongs to the left hand area.



Beat Type

1. In the function menu, use the data dial to select “Beat”.

2. Use the [V] / [^] buttons to change the Beat.

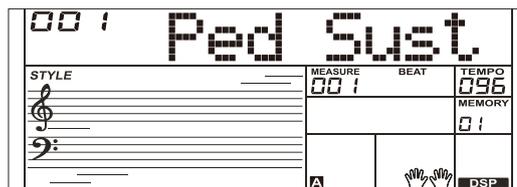


Function Menu

Pedal Function

1. In the function menu, use the data dial to select "Ped Sust".
2. Use the [V] / [^] buttons to select a pedal function. Refer to P.30-31.

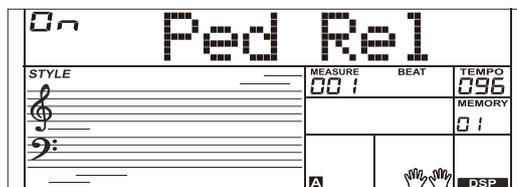
No.	LCD	Pedal Function
1	Ped Sust	Sustain Pedal
2	Ped Soft	Soft Pedal
3	Ped Mem	Memory Switch Pedal
4	Ped St/s	Start/Stop Pedal



Sustain Type

You can set the sustain pedal so that it will produce a different sustain effect.

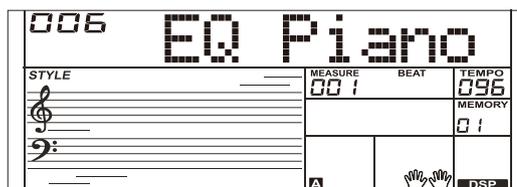
1. In the function menu, use the data dial to select "Ped Rel".
2. Use the [V] / [^] buttons to select a pedal type.



EQ Type

An EQ controls the gain value of different frequency bands. Different gain settings will produce different sound effects.

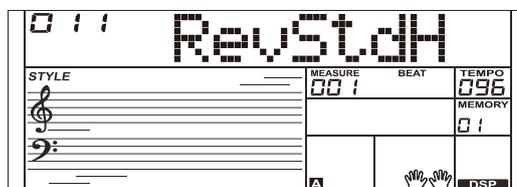
1. In the function menu, use the data dial to select "EQ Piano".
2. Use the [V] / [^] buttons to change the setting.



Reverb Type

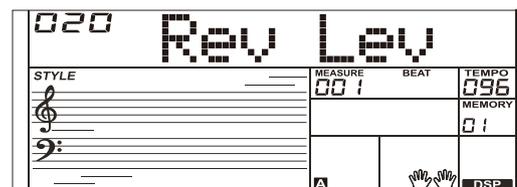
1. In the function menu, use the data dial to select "RevXXX".
2. Use the [V] / [^] buttons to change the setting.

No.	LCD	Reverb Type
1	RevHall1	Hall 1
2	RevHall2	Hall 2
3	RevHall3	Hall 3
4	RevHall4	Hall 4
5	RevPnoH	Piano Hall
6	RevRoom1	Room 1
7	RevRoom2	Room 2
8	RevRoom3	Room 3
9	RevChrh	Church
10	RevGrg	Garage
11	RevStdH	Standard Hall



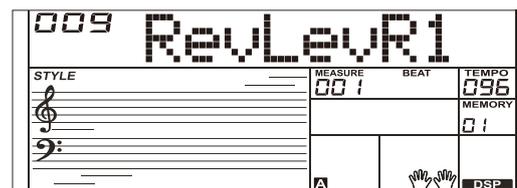
Reverb Level

1. In the function menu, use the data dial to select "Rev Lev".
2. Use the [V] / [^] buttons to adjust the value, from 0 to 32.



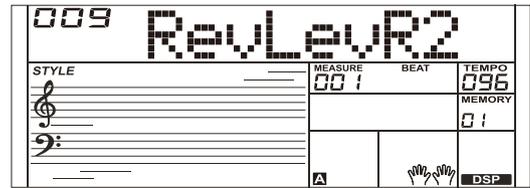
R1 Reverb Level

1. In the function menu, use the data dial to select "RevLevR1".
2. Use the [V] / [^] buttons to adjust the value, from 0 to 32.



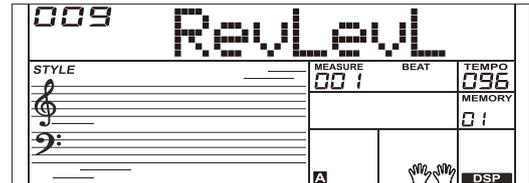
R2 Reverb Level

1. In the function menu, use the data dial to select “RevLevR2”.
2. Use the [V] / [^] buttons to adjust the value, from 0 to 32.



L Reverb Level

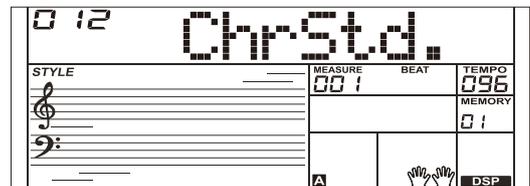
1. In the function menu, use the data dial to select “RevLevL”.
2. Use the [V] / [^] buttons to adjust the value, from 0 to 32.



Chorus Type

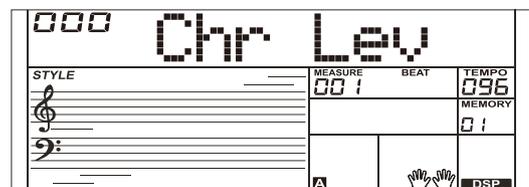
1. In the function menu, use the data dial to select “ChrXXX”.
2. Use the [V] / [^] buttons to change the setting.

No.	LCD Display	Chorus Type
1	ChrChrs1	Chorus 1
2	ChrChrs2	Chorus 2
3	ChrChrs3	Chorus 3
4	ChrChrs4	Chorus 4
5	ChrGMCr1	GM Chorus1
6	ChrGMCr2	GM Chorus2
7	ChrCel1	Celeste 1
8	ChrCel2	Celeste 2
9	ChrSymp1	Sympho 1
10	ChrSymp2	Sympho 2
11	ChrDoub	Doubler
12	ChrStd.	Standard Chorus



Chorus Level

1. In the function menu, use the data dial to select “Chr Lev”.
2. Use the [V] / [^] buttons to adjust the value, from 0 to 32.

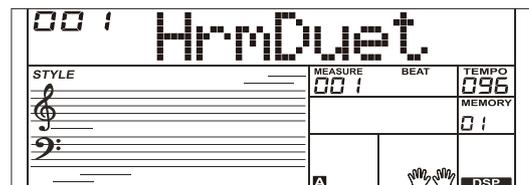


Harmony Type

1. In the function menu, use the data dial to select “HrmDuet”.
2. Use the [V] / [^] buttons to select a harmony type.

Detailed harmony types:

No.	LCD Display	Harmony Type
1	HrmDuet	Duet
2	HrmTrio	Trio
3	HrmOctv	Octave
4	Hrm1+5	1+5
5	HrmCtDut	Country Duet
6	HrmBlock	Block
7	Hrm4Cls1	4 Close 1
8	Hrm4Cls2	4 Close 2
9	Hrm4Open	4 Open

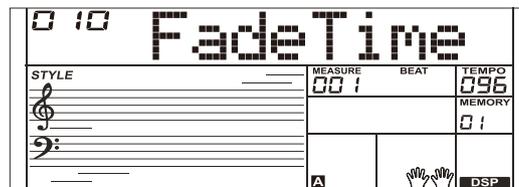


Function Menu

Fade Time

Set the time length (in seconds) for Fade In/Out.

1. In the function menu, use the data dial to select "FadeTime".
2. Use the [v] / [^] buttons to change the time setting.

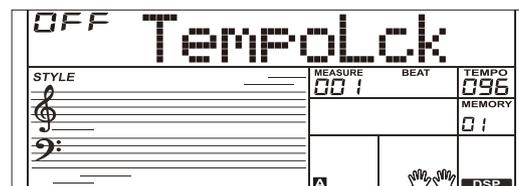


Tempo Lock

You can lock the tempo in the following ways:

1. In the function menu, use the data dial to select "TempoLck".
2. Use the [v] / [^] buttons to change the setting.

Note: Lock will work when switching Register Memory.

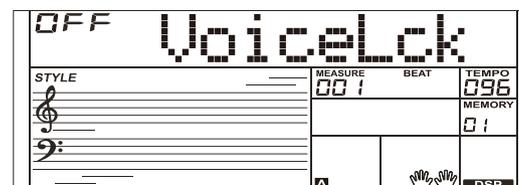


Voice Lock

You can lock the tone in the following ways:

1. In the function menu, use the data dial to select "VoiceLck".
2. Use the [v] / [^] buttons to change the setting.

Note: Lock will work when switching Register Memory.

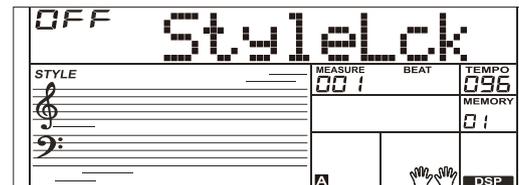


Style Lock

You can lock the style in the following ways:

1. In the function menu, use the data dial to select "StyleLck".
2. Use the [v] / [^] buttons to change the setting.

Note: Lock will work when switching Register Memory.

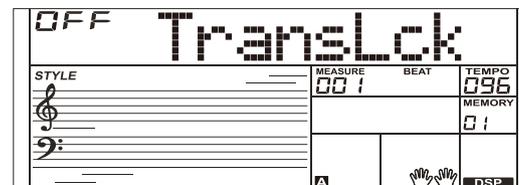


Transpose Lock

You can lock the transpose in the following ways:

1. In the function menu, use the data dial to select "TransLck".
2. Use the [v] / [^] buttons to change the setting.

Note: Lock will work when switching Register Memory.

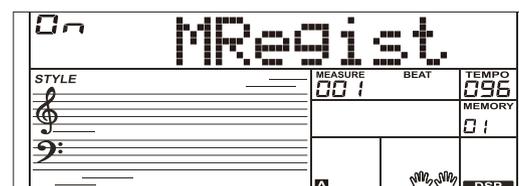


Mic Register

You can lock the Mic effect parameters in the following ways:

1. In the function menu, use the data dial to select "MRegist".
2. Use the [v] / [^] buttons to change the setting.

Note: Lock will work when switching Register Memory.



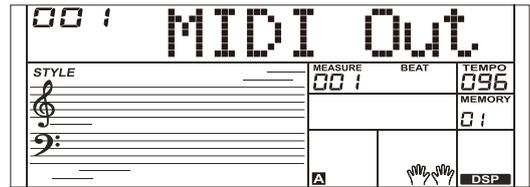
MIDI Out

Set the MIDI OUT channel for Voice R1.

1. In the function menu, use the data dial to select "MIDI Out".
2. Use the [v] / [^] buttons to change the MIDI Out channel.

Note:

Your setting will be automatically saved when you press [POWER] to turn off the instrument.



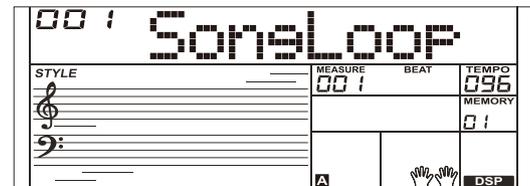
Song Loop

You can play back songs in the following ways: looping all songs, looping a single song, or no looping (looping off).

1. In the function menu, use the data dial to select "SongLoop".
2. Use the [v] / [^] buttons to change the setting.

Note:

Your setting will be automatically saved when you press [POWER] to turn off the instrument.

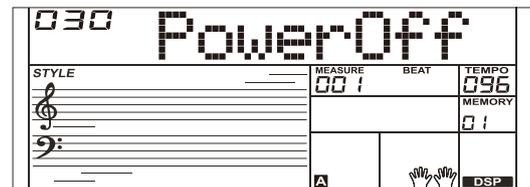


Auto Power Off

1. In the function menu, use the data dial to select "PowerOff".
2. Use the [v] / [^] buttons to change the time setting.

Note:

Your setting will be automatically saved when you press [POWER] to turn off the instrument.



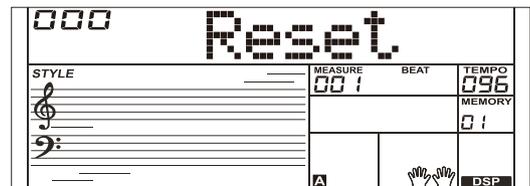
Factory Reset

1. In the function menu, use the data dial to select "Reset".
2. Press [^]. The LCD will show "Reset?"
3. Press [^] to confirm.
 - Note:** The operation will delete all user setting.
4. The LCD will show "DelUsng?"
5. Press [^] to confirm.
 - Note:** The operation will delete all user songs.
6. The LCD will show "DelUSty?"
7. Press [^] to confirm.
 - Note:** The operation will delete all user styles.

8. The reset procedure may take several minutes to complete.

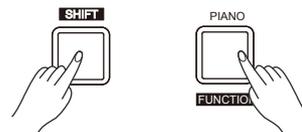
Note:

Do not turn off the power when factory reset is in progress, otherwise it may corrupt the internal data and cause malfunction.



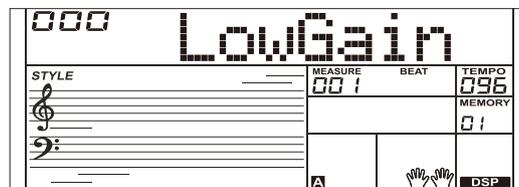
Microphone Effect

1. Press and hold the [SHIFT] button and then long press the [FUNCTION] button to enter microphone menu. The LCD displays the current mic effect option.
2. Use the data dial to select a mic effect.
3. Use the [V] / [Λ] buttons to change the effect value. Press [Λ] and [V] at the same time to restore the default setting.



Note:

It will exit the microphone menu if there is no operation in 10 seconds.

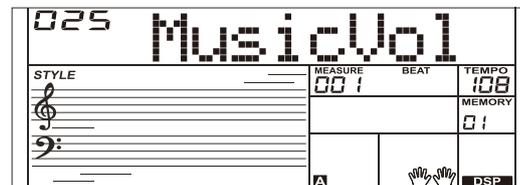


Detailed mic effects and their ranges:

No.	Content	LCD Display	Range	Default
1	Mic EQ Low Gain	XXX LowGain	-10~+10	0
2	Mic EQ Mid Gain	XXX MidGain	-10~+10	0
3	Mic EQ High Gain	XXX HighGain	-10~+10	0
4	Mic Reverb Type	XXX MRevXXX	MRevHal1, MRevHal2, MRevHal3, MRevHal4, MRevPnoH, MRevRom1, MRevRom2, MRevRom3, MRevChrh, MRevGrg, MRevStdH	MRevStdH
5	Mic Reverb Level	XXX MRevLev	0~32	15
6	Mic Chorus Type	XXX MChrXXX	MChrChr1, MChrChr2, MChrChr3, MChrChr4, MChrGMC1, MChrGMC2, MChrCel1, MChrCel2, MChrSym1, MChrSym2, MChrDoub, MChrStd.	MChrStd.
7	Mic Chorus Level	XXX MChLevel	0~32	0
8	Mic Delay Type	XXX MXXX	MDelay, MPanDly	MDelay
9	Mic Delay Time	XXX MDlyTime	0~32	10
10	Mic Delay Feedback	XXX MDlyFb	0~32	14
11	Mic Delay Level	XXX MDlyLev	0~32	8

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

1. Press the [MIXER] button to enter the mixer function menu, the LCD displays "025 MusicVol" for the initial time when powered on. Next time when you enter the menu, it will show the same option of your last operation.
2. Select a parameter.
Use the data dial to select a parameter.
3. Adjust the volume level.
Use the [v] / [^] buttons to adjust the volume of the current item.
Press [^] and [v] at the same time to switch between the default volume and muting the volume.



Detailed parameters and their volume ranges:

Parameter	LCD Display	Range
Music volume	XXX MusicVol	0–32
Voice R1 volume	XXX Upper1	0–32
Voice R2 volume	XXX Upper2	0–32
Voice L volume	XXX Lower	0–32
Metronome volume	XXX MetroVol	0–32
Mic volume	XXX MIC Vol	0–32
Percussion volume	XXX Perc	0–32
Drum volume	XXX Drum	0–32
Bass volume	XXX Bass	0–32
Accomp1 volume	XXX Accomp1	0–32
Accomp2 volume	XXX Accomp2	0–32
Accomp3 volume	XXX Accomp3	0–32
Accomp4 volume	XXX Accomp4	0–32
Accomp5 volume	XXX Accomp5	0–32

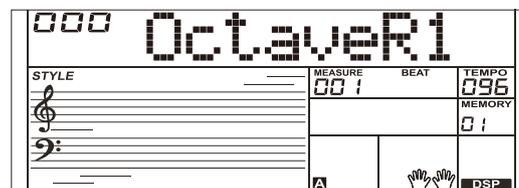
Note:

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

Effect Related Settings

Octave

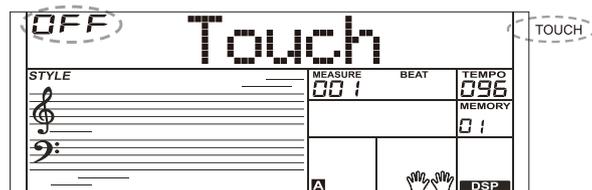
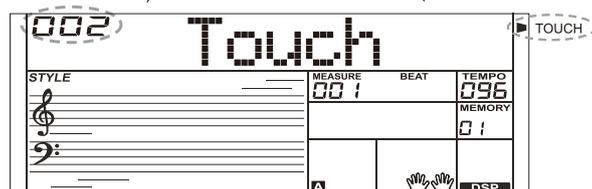
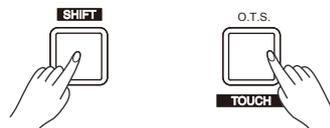
1. Press and hold the [SHIFT] button and then press the [OCTAVE] button to edit the octave setting. The LCD displays “xxx Octave R1/R2/L”. Use [v] / [^] button to change the setting.
2. Press the [v] and [^] buttons simultaneously to restore default setting: 0.



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 [v] / [^] button to change touch response level. Default level of touch response is 2.
3. If the value is set to OFF, there will be no touch response to keyboard.



Metronome

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

Note:

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

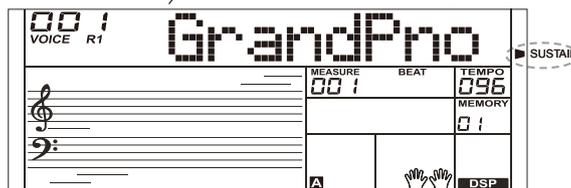


Sustain

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

Note:

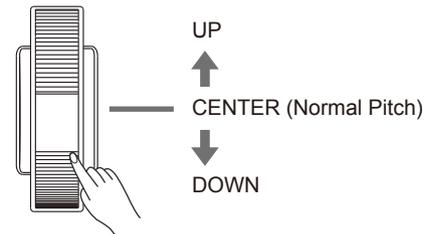
To have a better sustain effect, please use a sustain pedal. (Refer to pedal function for more details.)



Pitch Bend

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

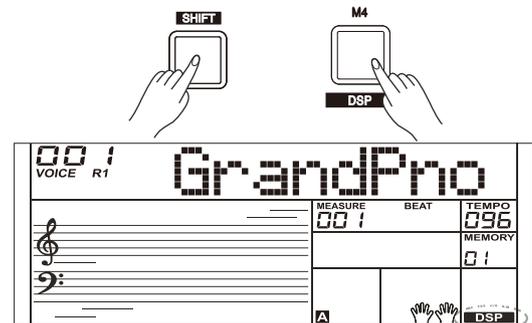
With the pitch bend wheel, you can easily imitate the pitch bend effect of the guitar, violin, saxophone or other instruments, making your performance more vivid.



DSP

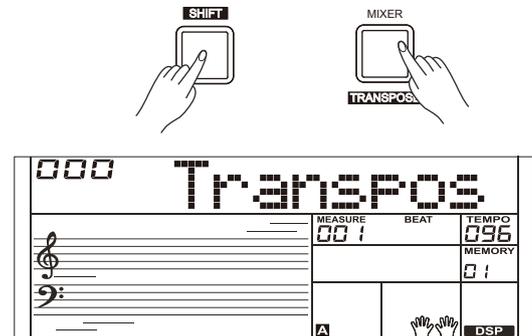
The DSP simulates sounds in the real environment. With the DSP effect, you can add ambiance and depth to your performance in a variety of ways.

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



Transpose

1. Press and hold the [SHIFT] button and then press the [TRANPOSE] button to enter the transpose menu. The LCD displays "xxx Transpos."
2. Use [V] / [Λ] button or data dial to change transpose value, adjustable range:-12- +12, the default value is: 0.



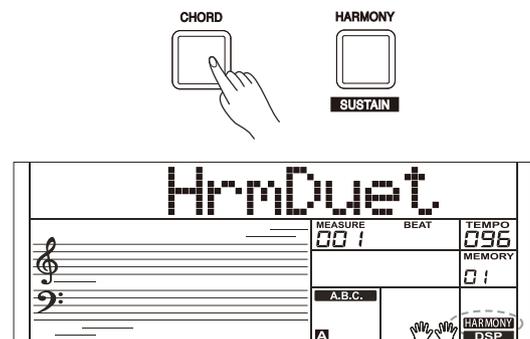
Harmony

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

1. Press the [CHORD] button to turn on the A.B.C. function.
2. Press the [HARMONY] button to turn the harmony effect on.
3. Play a chord in the left hand section.
4. As soon as you play in the right hand section, it will automatically add harmony effect to the notes you play.

Note:

Harmony cannot be turned on when the Full Range fingering mode is selected.

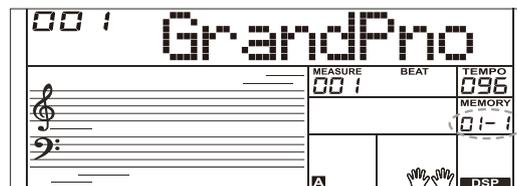


Register Memory

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

Registering the Panel Setting

1. There are 8 memory banks, and each bank has 4 memories (M1–M4).
2. Holding down the [STORE] button, then press one of the memory buttons [M1]–[M4]. Note that new settings will replace the previous memory data.
3. Parameters that can be saved to the registration memory:
 - Voice:** main voice, dual, lower, DSP, mixer.
 - Accompaniment:** style, tempo, accompaniment on/off.
 - Function:** touch, some parameters in the function menu.



Recalling the Registered Panel Settings

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

Note:

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

Selecting a Registration Bank

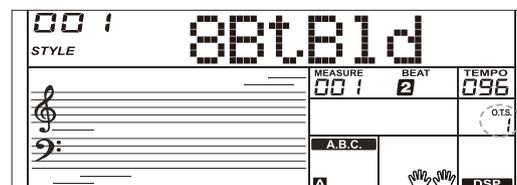
Press the [BANK] button repeatedly to select a bank number from 1 to 8, and the LCD will flash the bank number for 3 seconds.



One Touch Setting

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

1. Press the [O.T.S.] button to turn on the One Touch Setting for current style. The LCD displays "O.T.S.". Press one of the One Touch Setting buttons [M1]–[M4]. Various panel settings (such as voice, effect, etc.) that match the selected style can be instantly recalled. Auto accompaniment is automatically turned on during O.T.S. mode and the lower and dual functions are disengaged.
2. Press the [O.T.S.] button again to turn off the One Touch Setting. It will automatically switch to register memory. The LCD displays "MEMORY."
3. One Touch Setting parameter list:
 - Voice (Volume, Pan, Octave)
 - Dual (Volume, Pan, Octave)
 - Left Hand (Volume, Pan, Octave)



Note:

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

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

Prepare for Recording

1. Before you start recording, you need to select a user song to which your recording will be saved.
2. Press and hold the [SHIFT] button and then press the [RECORD] button to select a user song, the "REC" icon lights up. The LCD displays "XXX No File!", if you have selected a user song with no record data or the LCD displays "XXX RecSong", if you have selected a user song with record data.
You can use [V] / [^] button or data dial to select a user song you want.
3. Press and hold the [SHIFT] button and then press the [RECORD] button to enter the recording standby mode, the REC icon starts flashing. Now you can set the desired voice, style etc. for the recording.
4. In the recording standby mode, press and hold the [SHIFT] button and then press the [RECORD] button to exit the record mode.

Note:

The new recording will overwrite the previous data in the user song you have selected.

Start Recording

1. In the recording standby mode, press the [START/STOP] button to start recording. The four beats and measures start counting. You can stop style playback by pressing the [START/STOP] button.
2. Or you can play the keyboard to start recording. When the A.B.C. is ON, play any key in left hand section to start the accompaniment. When the A.B.C. is OFF, press the [START/STOP] button to start accompaniment.

Stop Recording

Manually Stop Recording

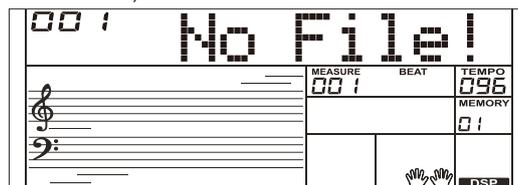
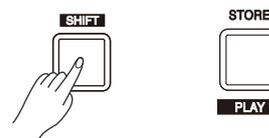
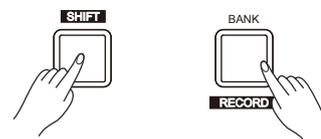
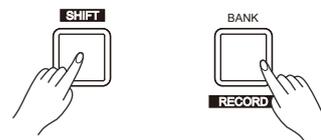
Press and hold the [SHIFT] button and then press the [RECORD] button to stop recording. The "REC" icon, beat count and record icon will light off.

Automatically Stop Recording

1. When recording is in process, if the memory is full, the recording will stop and save automatically.
2. If you are recording the accompaniment, the recording will stop automatically when the ending of the rhythm finishes.

Playback Recording

1. In idle mode, holding down [SHIFT] button and then press the [PLAY] button to enter the selection interface. The LCD displays "XXX No File!", if you have selected a user song with no record data; or the LCD displays "XXX PlaySong", if you have selected a user song with record data, for example, "001 PlaySong".
You can use [V] / [^] button or data dial to select a user song you want to playback.
2. Press and hold the [SHIFT] button and then press the [PLAY] button to play back the user song.
3. To stop the play back, press and hold the [SHIFT] button and then press the [PLAY] button.



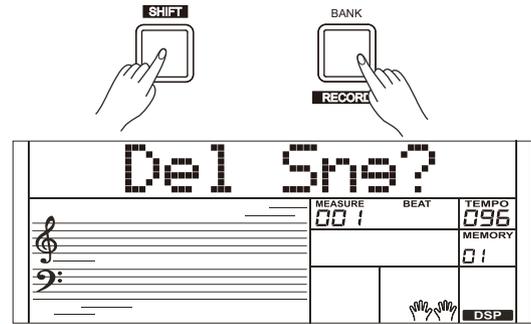
Record

Delete Recording

1. In the recording playback status, holding down [SHIFT] button and then press the [RECORD] button, the LCD will display "Del Sng?", press [^] button to delete user song, press [v] button to cancel.

Note:

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



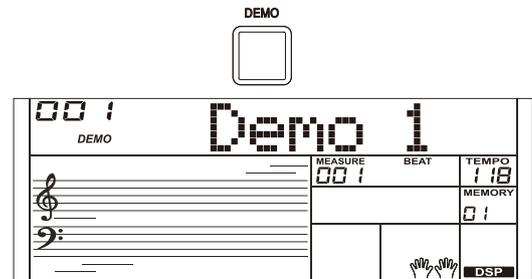
Playing the Demo Song

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

1. Press the [DEMO] button, the DEMO icon is lit, all demo songs will play in circle.
2. Use [v] / [^] button or data dial to select different demo song. Press the [DEMO] or [START/STOP] button to stop playing and exit the demo mode.

Note:

In the demo status, all buttons and keys are unavailable except [DEMO], [START/STOP], [v], [^] button, TEMPO [v] / [^], data dial, [VOLUME] knob and POWER SWITCH.



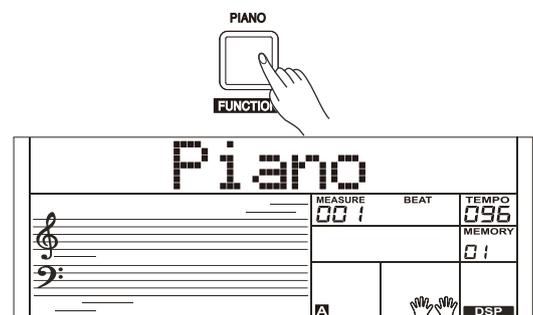
Piano Mode

This function is to set the voice of the whole keyboard to piano instantly.

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

Note:

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

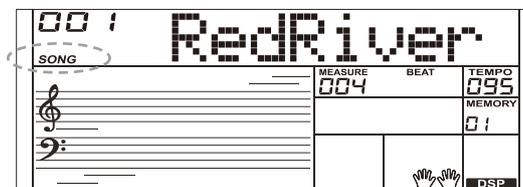


The instrument has a variety of songs.

Listen to the songs

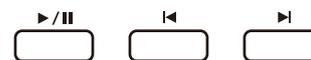
1. Press the [SONG] button to enter the song mode.
2. Use the [v] / [^] button to select a song.
3. During song playback, press [▶/||] to pause the playback.
When song playback is paused, press the [▶/||] button again, it will continue the playback.
4. When the song stops, press the [STYLE] button to exit the song mode.

SONG



Song Control

1. During song playback, you can use these buttons to control the playback:
Press the [▶/||] button to pause the song.
Press the [◀] button to go back the beginning of the song or select a previous song.
Press the [▶] button to select the next song.



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.

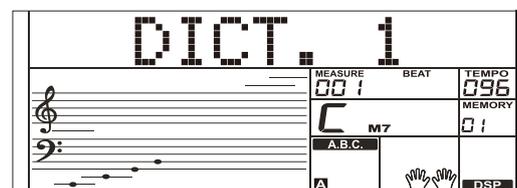
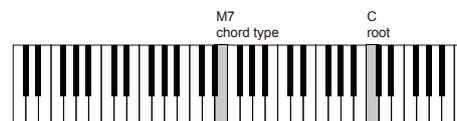
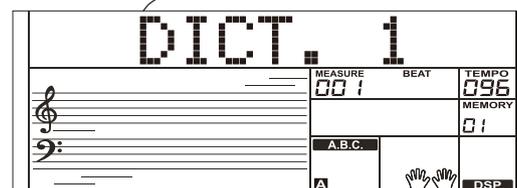
DICT. 1 (Chord Learning Mode)

Press and hold the [SHIFT] button and then press the [DICT.] button to enter the DICT. 1 mode.

The LCD display "DICT. 1", and the A.B.C. is automatically set to on. In DICT. 1 mode, the keys C4–B5 are used to assign the Chord Type, the keys C6–B6 are used to assign the Chord Root. When the Chord Type and Chord Root are confirmed, the chord notes will be shown on display. You will hear the sound if you correctly play the note in the left hand section.

24 Chord Types in the chord dictionary are as follows:

Note	Root Type	Note	Chord Type	Note	Chord Type
C6	C	C4	M	C5	7(b9)
C#6	C#/Db	C#4	M(9)	C#5	7(9)
D6	D	D4	6	D5	7(#9)
Eb6	D#/Eb	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	G#/Ab	Ab4	m7(9)	Ab5	7aug
A6	A	A4	m7	A5	aug
Bb6	A#/Bb	Bb4	m7b5	Bb5	7sus4
B6	B	B4	7	B5	sus4

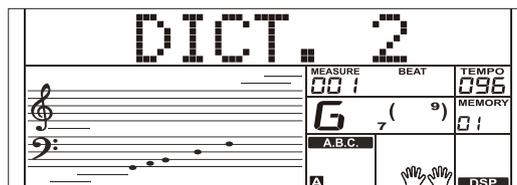


Chord Dictionary

DICT. 2 (Chord Testing Mode)

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

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



Exit Chord Dictionary

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

Pedal Function

The pedal function will make your performance more natural and with greater expressiveness.

Multi-function Pedal

You can refer to Pedal Type chapter for details.

1. Sustain Pedal

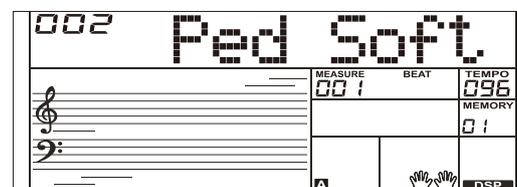
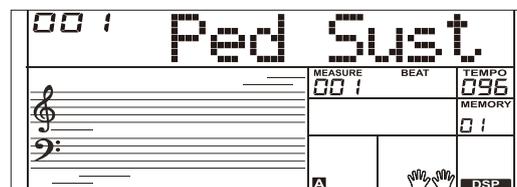
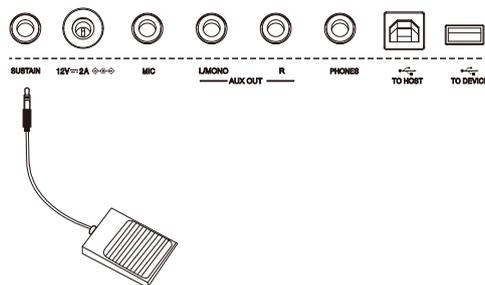
This pedal function performs the same function as the damper pedal on an acoustic piano, letting you sustain the sound of voices even after releasing the keys.

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

Release the pedal to turn the sustain effect off.

2. Soft Pedal

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



3. Memory Pedal

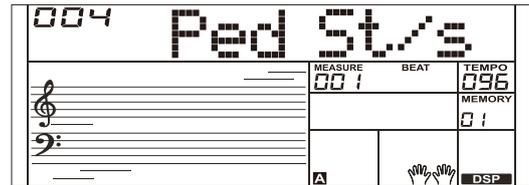
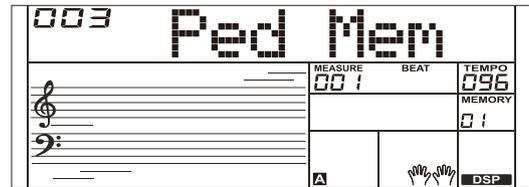
When the memory pedal is selected, press this pedal at the first time to call up register memory: 01-1, and then you can call up register memory 01-2, 01-3, 01-4, 02-1, 02-2...by pressing this pedal step by step.

Note:

If the current memory recalled contains pedal settings, these pedal settings will be neglected.

4. Style Start/Stop Pedal

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



Scale Tune

Scale Tune mode

The [MP3 PAD] button is used for turning on the MP3 PAD mode. The MP3 PAD On/Off status can be memorized when power is turned off, and be recalled when power is turned on again. The factory default status is "OFF"; scale tune is available.

1. Scale Tune buttons

[C], [C#], [D], [D#], [E], [F], [F#], [G], [G#], [A], [A#], [B]
In Scale Tune mode, press one of the Scale Tune buttons [C]-[B] to turn the selected scale on or off. When a scale is in use, the corresponding pitch will decrease 1/2 semitone, and the related LED will be lit. When switched off, the related pitch will return to normal and the corresponding LED will be turned off.

2. Reset the scale

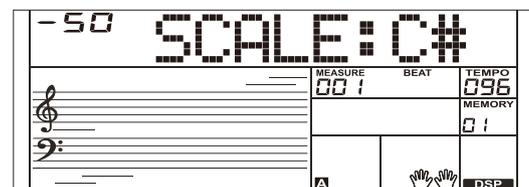
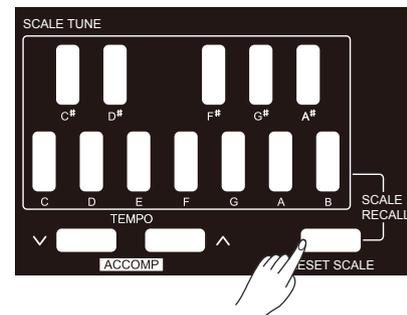
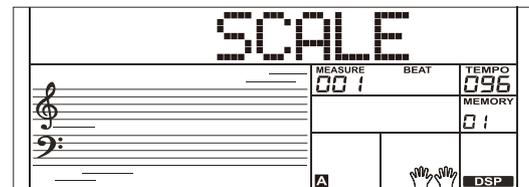
Press the [SHIFT]+ [RESET SCALE] button, all Scale Tune buttons will be turned off.

3. Scale fine tune

Press and hold one of the Scale Tune buttons to enter edit mode, then use the data dial or [v] / [^] button to edit the selected scale. For example, press and hold [C#], the LCD will show "-50 SCALE: C#". Use the data dial to adjust the value, from -50 to 50.

4. Recall / Store a scale

Press and hold [RESET SCALE], then press one of the Scale Tune buttons to recall the scale settings saved in that button. Press and hold [STORE], then press one of the Scale Tune buttons to save the scale settings to that button.



MP3 PAD

Press the [MP3 PAD] button to switch to MP3 PAD mode. The LCD will temporarily show "MP3 PAD".

1. MP3 PAD control buttons

[C], [C#], [D], [D#], [E], [F], [F#], [G], [G#], [A], [A#], [B]

In MP3 PAD mode, press one of the Scale Tune buttons [C]-[B] to play back the corresponding MP3 from USB flash drive. During playback, the corresponding button LED will blink.

2. MP3 PAD file names

MP3 PAD files on USB flash drive should be named as below:

"File Name 1" to "File Name 4" can be recognized, but "File Name 1" has priority. When the corresponding audio file is recognized, the related button LED will be lit.

Button	File Name 1	File Name 2	File Name 3	File Name 4
[C]	PAD_C.wav	PAD_1.wav	PAD_C.mp3	PAD_1.mp3
[C#]	PAD_C#.wav	PAD_2.wav	PAD_C#.mp3	PAD_2.mp3
[D]	PAD_D.wav	PAD_3.wav	PAD_D.mp3	PAD_3.mp3
[D#]	PAD_D#.wav	PAD_4.wav	PAD_D#.m03	PAD_4.mp3
[E]	PAD_E.wav	PAD_5.wav	PAD_E.mp3	PAD_5.mp3
[F]	PAD_F.wav	PAD_6.wav	PAD_F.mp3	PAD_6.mp3
[F#]	PAD_F#.wav	PAD_7.wav	PAD_F#.mp3	PAD_7.mp3
[G]	PAD_G.wav	PAD_8.wav	PAD_G.mp3	PAD_8.mp3
[G#]	PAD_G#.wav	PAD_9.wav	PAD_G#.mp3	PAD_9.mp3
[A]	PAD_A.wav	PAD_10.wav	PAD_A.mp3	PAD_10.mp3
[A#]	PAD_A#.wav	PAD_11.wav	PAD_A#.m03	PAD_11.mp3
[B]	PAD_B.wav	PAD_12.wav	PAD_B.mp3	PAD_12.mp3

3. MP3 PAD mode

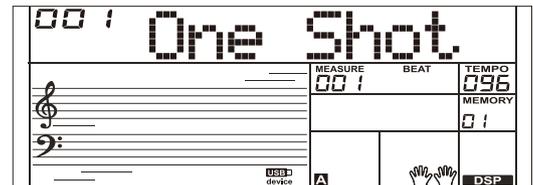
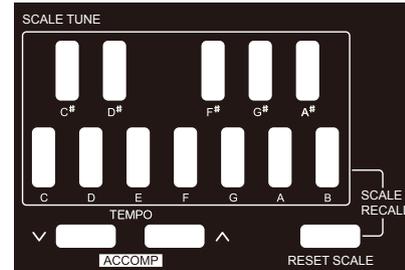
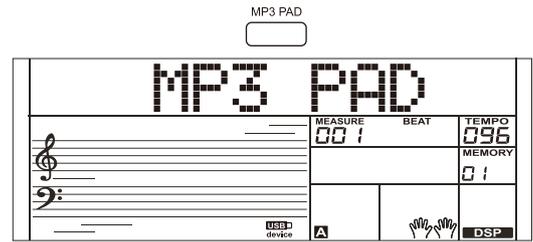
Press and hold one of the MP3 PAD control buttons to enter the corresponding edit mode. Then use the data dial or [V] / [^] buttons to select "One Shot" mode or "Loop" mode.

Audio files that can be played:

MP3	
Format	MPEG-1 audio layer 3
Sampling Frequency	44.1kHz
Bit Rate	32, 40, 48, 56, 64, 80, 96, 112, 128, 160, 192, 224, 256, 320 kbps, VBR (Variable Bit Rate)
WAV	
Sampling Frequency	22KHz, 44.1KHz, 48KHz
Bit	16bit

Notes:

- Two or more audio files cannot be played at the same time.
- The tempo of an audio file cannot be changed.



Connecting USB Flash Drive

The instrument recognizes USB flash drives (32M to 128G) in FAT32 format. It does not support multi-partitioned USB flash drives. We recommend formatting the USB flash drive on the instrument before using.

Note:

A USB flash drive in FAT32 format supports up to 512 files under its root directory. Exceeding this limit will make it unable to save or record to the USB flash drive.

Playback a song or style from USB Flash Drive

1. When in style mode, press the [STYLE] button or press and hold [SHIFT], then press the [USB] button to enter USB Style menu. The LCD shows all styles, and the USB STYLE indicator will be lit.
2. When in song mode, press the [SONG] button or press and hold [SHIFT], then press the [USB] button to enter USB Song menu. The LCD shows all MIDI songs and MP3 songs, and the USB SMF or USB MP3 indicator will be lit.
3. Use the data dial or [v] / [^] button to select a song or style.
4. Press the [▶/||] button to start playback. You can set to loop play a single song or all songs. Please refer to the Function Menu for details.
5. Press the [▶/||] button again to stop playback.



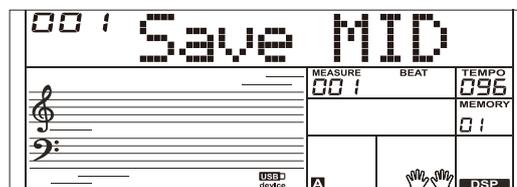
Save a user song to USB Flash Drive

1. Press and hold [SHIFT], then press the [USB FUNCTION] button to enter USB menu. Use the data dial to select "Save MID".
2. Press [^] to save user songs to the root directory of the USB flash drive. The files will be named as "RecSng_XX_NUB.MIDI".
3. After saving, the LCD will prompt "Save OK!", then return to USB menu.

File Name Description:

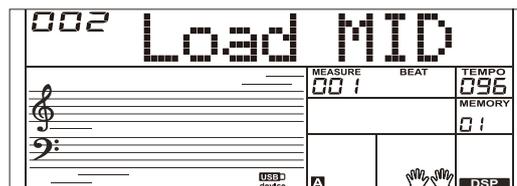
"RecSng_XX" is the user song name and number (corresponding to the user songs on the instrument).

"NUB" is the number of the saved song (01~512).



Load a user song from USB Flash Drive

1. Press and hold [SHIFT], then press the [USB FUNCTION] button to enter USB menu. Use the data dial to select "Load MID".
2. Press [^]. The LCD will show all MIDI files (*.mid) under the root directory. Use the data dial to select one.
3. Press [^] button. The LCD will show the user songs on the instrument. Use the data dial to select a user song. If the selected user song has data, the LCD will prompt "00X RecSong"; or the LCD will will prompt "No File!" if the user song is blank.



Connecting USB Flash Drive

- Press [^] button. The LCD will prompt "Load OK!". If the selected user song has data, the LCD will prompt "Cover?" Press [^] to confirm loading or press [v] to cancel.
- After loading, the LCD will return to USB menu.

Note:

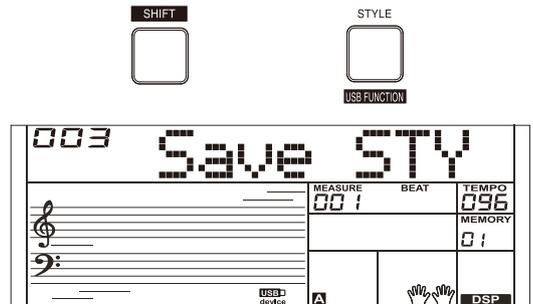
This operation will overwrite the previous user song on the instrument.

Save a user style to USB Flash Drive

- Press and hold [SHIFT], then press the [USB FUNCTION] button to enter USB menu. Use the data dial to select "Save STY".
- Press [^] to save user styles to the root directory of the USB flash drive. It will use the same file name when saving to USB flash drive. If the user style is empty, the LCD will prompt "No File!".
- After saving, the LCD will prompt "Save OK!", then return to USB menu.

File Name Description:

If the user styles are using the same file name, when saving to USB flash drive, it will automatically add a numeral at the end of the file name. For example, FILE, FILE 2, FILE 3 etc.

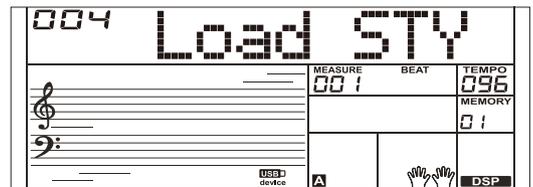


Load a user style from USB Flash Drive

- Press and hold [SHIFT], then press the [USB FUNCTION] button to enter USB menu. Use the data dial to select "Load STY".
- Press [^]. The LCD will show all style files (*.sty) under the root directory. Use the data dial to select one.
- Press [^] button. The LCD will show the user styles on the instrument. Use the data dial to select a user style. If the selected user style has data, the LCD will show the file name. Or the LCD will prompt "No File!" if the user style is blank.
- Press [^] button. The LCD will prompt "Load OK!". If the selected user style has data, the LCD will prompt "Cover?" Press [^] to confirm loading or press [v] to cancel.
- After loading, the LCD will return to USB menu.

Note:

This operation will overwrite the previous user style on the instrument.

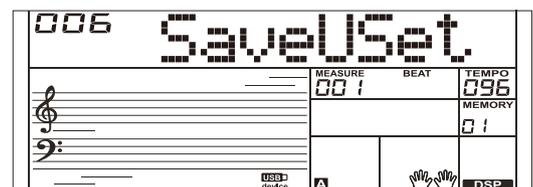


Save a user setup to USB Flash Drive

A user setup that can be saved to USB flash drive include: MP3 PAD loop mode, Scale Tune, Octave, Transpose, DSP on/off, Voice R1 number, Voice R2 number, Voice L number, parameters in function menu (except Factory Reset), parameters in mixer menu (except "Perc" to "Accomp5" volumes), and register memory.

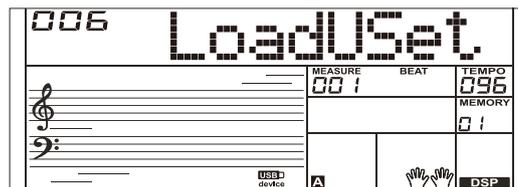
While exporting a user setup, the instrument will also export user songs and user styles to the USB flash drive.

- Press and hold [SHIFT], then press the [USB FUNCTION] button to enter USB menu. Use the data dial to select "SaveUser".
- Press [^] to save the current user setup to the root directory of the USB flash drive. The files will be named as "UserSetupX.usp" ("X" indicates the number of the saved user setup).
- After saving, the LCD will prompt "Save OK!", and then return to USB menu.



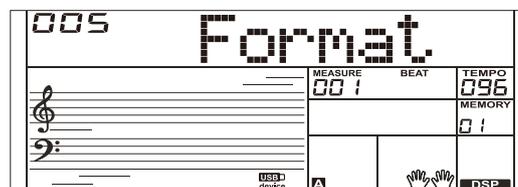
Load a user setup from USB Flash Drive

1. Press and hold [SHIFT], then press the [USB FUNCTION] button to enter USB menu. Use the data dial to select "LoadUser".
2. Press [^]. The LCD will show all user setups (*.usp) under the root directory. Use the data dial to select one.
3. Press [^] button. The LCD will show "Sure?"
4. Press [^] button. The selected user setup will be loaded to the instrument. The user songs and user styles related to this user setup will also be loaded to the instrument.
5. After loading, the LCD will prompt "Load OK!", and then return to USB menu.



Format USB Flash Drive

1. Press and hold [SHIFT], then press the [USB FUNCTION] button to enter USB menu. Use the data dial to select "Format".
2. Press [^]. The LCD will prompt "Format?".
3. Press [^] to format the flash drive or press [V] to cancel.
4. After formatting, it will return to USB menu.



Notes:

1. Formatting will delete all data on the USB flash drive!
2. It may take several minutes to format a USB flash drive of large capacity.

MIDI

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

What's MIDI?

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

Note:

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

MIDI

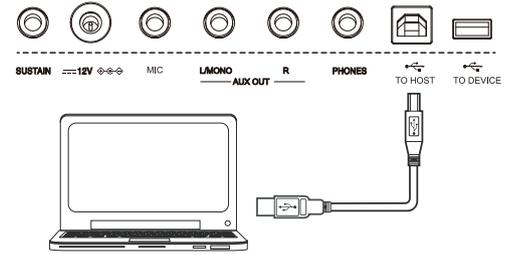
The main application of MIDI

1. Used as a tone generator

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

2. Used as a MIDI Keyboard

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



Troubleshooting

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

Notice:

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

Specifications

Keys

61 Keys with Touch Response, 3 Touch Levels

LCD Display

Multi-functional LCD

Polyphony

256

Voices

706

Styles

347

Demos

8

Songs

160

Tempo

30–280

Panel Memory

32

DSP

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

Chord mode

Single-finger, Multi-finger

Chord dictionary

Convenient for users to learn chords

Scale Tune

±50 cents

MP3 PAD

12

Accompaniment/Song Control

Start/Stop, Sync Start, Intro/Ending, Fill A, Fill B,

Record

10 user song, support playback

Control button

Power Switch, Volume Knob, Shift, C, C#, D, D#, E, F, F#, G, G#, A, A#, B, Tempo [v]/[^], (Accomp [v]/[^]), Reset Scale, Mp3 Pad, ▶/||, |◀, ▶|, Metronome (Octave), Mixer (Transpose), Harmony (Sustain), Start/Stop, Sync Start, Intro/Ending, Fill A, Fill B, Chord, Fade, Bank (Record), Store (Play), M1(Dual), M2 (Lower), M3 (Dict.), M4 (DSP), O.T.S. (Touch), Voice (USB), Style (USB Function), Song, Piano (Function), Demo, [v], [^], Data Dial

Connectors

SUSTAIN, DC IN, MIC, AUX OUT (L/MONO, R) PHONES, TO HOST, TO DEVICE

Power Supply

DC 12 V / 2000 mA

6 "AA" size or equivalent alkaline batteries

Speaker

[10cm + 2.5cm] x 2

Amplifier

10W x 2

Dimensions

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

Weight

6.2 kg

* This document explains the specifications of the product at the time that the document was issued.

For the latest information, refer to the Roland website.

Voice List

NO.	English Name	LCD Name
PIANO		
1	Grand Piano	GrandPno
2	Ballad Piano	BalladP
3	Mellow Piano	MellowP
4	Bright Piano	BrightP
5	Acoustic Piano	AcPiano
6	Acoustic Piano (wide)	AcPianoW
7	Acoustic Piano (dark)	AcPianoD
8	Octave Grand Piano 1	OctPno1
9	Octave Grand Piano 2	OctPno2
10	Piano & Strings	Pno&Str
11	Piano & Pad	Pno&Pad
12	Piano & Choir	Pno&Cho
13	Piano & EP	Pno&EP
14	Piano & Vibraphone	Pno&Vib
15	Harpsichord 1	Harpsi1
16	Harpsichord 2	Harpsi2
17	Harpsichord (octave mix)	HarpsiO
18	Harpsichord (wide)	HarpsiW
19	Harpsichord (with key off)	HarpsiOf
20	Honky Tonk Piano 1	HnyTonk1
21	Honky Tonk Piano 2	HnyTonk2
22	Honky Tonk Piano (wide)	HnyTonkW
23	Honky Tonk Piano (dark)	HnyTonkD
24	Electric Grand Piano 1	E.Grand1
25	Electric Grand Piano 2	E.Grand2
26	Electric Grand Piano (wide)	E.GrandW
27	Electric Grand Piano (dark)	E.GrandD
28	Detuned Electric Piano 1	DetunEP1
29	Detuned Electric Piano 2	DetunEP2
30	Electric Piano 1	E.Piano1
31	Electric Piano 2	E.Piano2
32	Electric Piano 3	E.Piano3
33	Electric Piano 4	E.Piano4
34	Electric Piano 1 (velocity mix)	E.PnoV1
35	Electric Piano 2 (velocity mix)	E.PnoV2
36	60's Electric Piano	60'sEP
37	EP Legend	EPLegend
38	Phase EP	PhaseEP
39	Clavi 1	Clavi1
40	Clavi 2	Clavi2
41	Phase Clavi	PhaseClv
42	Wah Clavi	WahClv
43	Pulse Clavi	PluseClv
44	Dream EP	DreamEP
45	Tremolo EP	TremoEP
46	Funk EP	FunkEP
47	Warm EP	WarmEP
48	Choir EP	ChoirEP
49	Wah EP	WahEP
50	Modern EP	ModernEP
51	EP Pad	EPPad
CHROMATIC PERCUSSION		
52	Celesta 1	Celesta1
53	Celesta 2	Celesta2

54	Celesta 3	Celesta3
55	Glockenspiel 1	Glocken1
56	Glockenspiel 2	Glocken2
57	Glockenspiel 3	Glocken3
58	Music Box 1	MuscBox1
59	Music Box 2	MuscBox2
60	Music Box 3	MuscBox3
61	Vibraphone 1	Vibra1
62	Vibraphone 2	Vibra2
63	Vibraphone (wide)	VibraW
64	Marimba 1	Marimba1
65	Marimba 2	Marimba2
66	Marimba (wide)	MarimbaW
67	Xylophone 1	Xylopho1
68	Xylophone 2	Xylopho2
69	Xylophone 3	Xylopho3
70	Tubular Bells 1	TubulBe1
71	Tubular Bells 2	TubulBe2
72	Church Bell	ChurBell
73	Carillon	Carillon
74	Dulcimer 1	Dulcime1
75	Dulcimer 2	Dulcime2
76	Santur	Santur
ORGAN		
77	Italian 60's Organ	60'sOrgn
78	Drawbar Organ 1	DrawOrg1
79	Drawbar Organ 2	DrawOrg2
80	Drawbar Organ 3	DrawOrg3
81	Detuned Drawbar Organ	DeDraOrg
82	Detuned Percussive Organ	DePerOrg
83	Percussive Organ 1	PercOrg1
84	Percussive Organ 2	PercOrg2
85	Percussive Organ 3	PercOrg3
86	70's Percussive Organ	70'sPcOr
87	Rock Organ 1	RockOrg1
88	Rock Organ 2	RockOrg2
89	Rock Organ 3	RockOrg3
90	Church Organ 1	ChurOrg1
91	Church Organ 2	ChurOrg2
92	Church Organ 3	ChurOrg3
93	Church Organ (octave mix)	ChurOrgO
94	Detuned Church Organ	DeChuOrg
95	Reed Organ 1	ReedOrg1
96	Reed Organ 2	ReedOrg2
97	Rotary Organ	RotyOrgn
98	Puff Organ	PuffOrgn
99	Accordion 1	Acordin1
100	Accordion 2	Acordin2
101	Accordion 3	Acordin3
102	Harmonica 1	Harmnic1
103	Harmonica 2	Harmnic2
104	Harmonica 3	Harmnic3
105	Tango Accordion 1	TangAcid1
106	Tango Accordion 2	TangAcid2
GUITAR		
107	Acoustic Guitar (nylon) 1	NylonGt1

108	Acoustic Guitar (nylon) 2	NylonGt2
109	Acoustic Guitar (nylon) 3	NylonGt3
110	Acoustic Guitar (nylon + key off)	NylGtrOf
111	Ukulele	Ukulele
112	Acoustic Guitar (steel) 1	SteelGt1
113	Acoustic Guitar (steel) 2	SteelGt2
114	12-Strings Guitar	12StrGtr
115	Mandolin 1	Mandoli1
116	Mandolin 2	Mandoli2
117	Steel Guitar with Body Sound	SteelBdy
118	Electric Guitar (jazz) 1	JazzGtr1
119	Electric Guitar (jazz) 2	JazzGtr2
120	Electric Guitar (pedal steel)	PedalGtr
121	Electric Guitar (clean) 1	CleanGt1
122	Electric Guitar (clean) 2	CleanGt2
123	Electric Guitar (detuned clean)	DetClnGt
124	Mid Tone Guitar	MidTonGt
125	Electric Guitar (muted) 1	MutedGt1
126	Electric Guitar (muted) 2	MutedGt2
127	Electric Guitar (funky cutting)	FunkGt
128	Electric Guitar (muted velo-sw)	MutVelGt
129	Jazz Man	JazzMan
130	Overdriven Guitar 1	Ovrdriv1
131	Overdriven Guitar 2	Ovrdriv2
132	Guitar Pinch	GtPinch
133	Distortion Guitar 1	DistGtr1
134	Distortion Guitar 2	DistGtr2
135	Distortion Guitar (with feedback)	FeedbkGt
136	Guitar Feedback	GtrFedbck
137	Distorted Rhythm Guitar	DistRyth
138	Guitar Harmonics 1	GtrHarm1
139	Guitar Harmonics 2	GtHarmo2
140	Velocity Nylon Guitar	NylnGtVe
BASS		
141	Acoustic Bass 1	AcoBass1
142	Acoustic Bass 2	AcoBass2
143	Wah Bass	WahBass
144	Electric Bass (finger)	FngrBass
145	Finger Slap Bass	FngrSlap
146	Electric Bass (pick) 1	PickBas1
147	Electric Bass (pick) 2	PickBas2
148	Fretless Bass 1	Fretles1
149	Fretless Bass 2	Fretles2
150	Slap Bass 1	SlapBas1
151	Slap Bass 2	SlapBas2
152	Slap Bass 3	SlapBas3
153	Slap Bass 4	SlapBas4
154	Synth Bass 1	SynBass1
155	Synth Bass 2	SynBass2
156	Synth Bass 3	SynBass3
157	Synth Bass 4	SynBass4
158	Warm Synth Bass	WarmBass
159	Rsonance SynBass	ResoBass
160	Clavi Bass	ClavBass
161	Hammer	Hammer

162	Attack Bass	AtackBas
163	Synth Bass (rubber) 1	RubbBas1
164	Synth Bass (rubber) 2	RubbBas2
165	Attack Pulse	AtackPls
STRINGS & ORCHESTRAL		
166	Violin 1	Violin1
167	Violin 2	Violin2
168	Violin (slow attack)	SIViolin
169	Viola 1	Viola1
170	Viola 2	Viola2
171	Cello 1	Cello1
172	Cello 2	Cello2
173	Contrabass 1	Contrbs1
174	Contrabass 2	Contrbs2
175	Tremolo Strings 1	TremStr1
176	Tremolo Strings 2	TremStr2
177	Tremolo Strings 3	TremStr3
178	Pizzicato Strings 1	PizzStr1
179	Pizzicato Strings 2	PizzStr2
180	Orchestral Harp 1	Harp1
181	Orchestral Harp 2	Harp2
182	Yang Chin	YangChin
183	Timpani 1	Timpani1
184	Timpani 2	Timpani2
185	String Ensembles 1	Strings1
186	String Ensembles 2	Strings2
187	String Ensembles 3	Strings3
188	String Ensembles 4	Strings4
189	Strings & Brass	Str&Bras
190	60's Strings	60'sStr
191	Synth Strings 1	SynStrs1
192	Synth Strings 2	SynStrs2
193	Synth Strings 3	SynStrs3
194	Synth Strings 4	SynStrs4
195	Synth Strings 5	SynStrs5
196	Choir Aahs 1	ChorAah1
197	Choir Aahs 2	ChorAah2
198	Choir Aahs 3	ChorAah3
199	Voice Oohs 1	VoicOoh1
200	Voice Oohs 2	VoicOoh2
201	Humming	Humming
202	Analog Voice	AnaVoice
203	Synth Voice 1	SynVoic1
204	Synth Voice 2	SynVoic2
205	Orchestra Hit 1	OrchHit1
206	Orchestra Hit 2	OrchHit2
207	Bass Hit Plus	BassHit
208	6th Hit	6thHit
209	Euro Hit	EuroHit
BRASS		
210	Trumpet 1	Trumpet1
211	Trumpet 2	Trumpet2
212	Dark Trumpet	DarkTrp
213	Trombone 1	Trmbone1
214	Trombone 2	Trmbone2

Voice List

215	Trombone 3	Trmbone3
216	Bright Trombone	BritBone
217	Tuba 1	Tuba1
218	Tuba 2	Tuba2
219	Muted Trumpet 1	MuteTrp1
220	Muted Trumpet 2	MuteTrp2
221	Muted Trumpet 3	MuteTrp3
222	French Horn 1	FrHorn1
223	French Horn 2	FrHorn2
224	French Horn 3	FrHorn3
225	Brass Section 1	Brass1
226	Brass Section 2	Brass2
227	Brass Section 3	Brass3
228	Synth Brass 1	SynBras1
229	Synth Brass 2	SynBras2
230	Synth Brass 3	SynBras3
231	Synth Brass 4	SynBras4
232	Synth Brass 5	SynBras5
233	Synth Brass 6	SynBras6
234	Synth Brass 7	SynBras7
235	Synth Brass 8	SynBras8
236	Analog Synth Brass 1	AnaBras1
237	Analog Synth Brass 2	AnaBras2
238	Analog Synth Brass 3	AnaBras3
239	Rock Brass 1	RockBrs1
240	Rock Brass 2	RockBrs2
241	Funny 1	Funny1
242	Funny 2	Funny2
243	French Horn	FrHorn
REED		
244	Soprano Sax 1	SprnSax1
245	Soprano Sax 2	SprnSax2
246	Soprano Sax 3	SprnSax3
247	Alto Sax 1	AltoSax1
248	Alto Sax 2	AltoSax2
249	Alto Sax 3	AltoSax3
250	Tenor Sax 1	TenoSax1
251	Tenor Sax 2	TenoSax2
252	Tenor Sax 3	TenoSax3
253	Baritone Sax 1	BariSax1
254	Baritone Sax 2	BariSax2
255	Baritone Sax 3	BariSax3
256	Oboe 1	Oboe1
257	Oboe 2	Oboe2
258	Oboe 3	Oboe3
259	2 Oboes	2Oboes
260	English Horn 1	EngHorn1
261	English Horn 2	EngHorn2
262	English Horn 3	EngHorn3
263	2 English Horns	2EngHons
264	Bassoon 1	Bassoon1
265	Bassoon 2	Bassoon2
266	Bassoon 3	Bassoon3
267	2 Bassoons	2Basoons
268	Clarinet 1	Clarine1

269	Clarinet 2	Clarine2
270	Clarinet 3	Clarine3
271	2 Clarinets	2Clarins
PIPE		
272	Piccolo 1	Piccolo1
273	Piccolo 2	Piccolo2
274	Piccolo 3	Piccolo3
275	2 Piccolos	2Piccolos
276	Sweet Flute	SweeFlut
277	Flute 1	Flute1
278	Flute 2	Flute2
279	Flute 3	Flute3
280	2 Flutes	2Flutes
281	Recorder 1	Recorde1
282	Recorder 2	Recorde2
283	2 Recorders	2Records
284	Pan Flute 1	PanFlut1
285	Pan Flute 2	PanFlut2
286	Sweet Pan Flute	SwPanFlu
287	Blown Bottle 1	Bottle1
288	Blown Bottle 2	Bottle2
289	Shakuhachi 1	Shakhch1
290	Shakuhachi 2	Shakhch2
291	Whistle 1	Whistle1
292	Whistle 2	Whistle2
293	Ocarina 1	Ocarina1
294	Ocarina 2	Ocarina2
SYNTH LEAD		
295	Lead 1 (square) 1	SquarLd1
296	Lead 1 (square) 2	SquarLd2
297	Lead 1 (square) 3	SquarLd3
298	Lead 1b (sine)	SineLead
299	Lead 2 (sawtooth) 1	SawLead1
300	Lead 2 (sawtooth) 2	SawLead2
301	Lead 2 (sawtooth) 3	SawLead3
302	Lead 2b (saw + pulse)	SawPlsLd
303	Lead 2c (double sawtooth)	DubSawLd
304	Lead 2d (sequenced analog) 1	SqAnaLd1
305	Lead 2d (sequenced analog) 2	SqAnaLd2
306	Wavy Sawtooth 1	WavySaw1
307	Bauble Lead	BaubleLd
308	Super Analog	SuperAna
309	Lead 3 (calliope) 1	CalipLd1
310	Lead 3 (calliope) 2	CalipLd2
311	Lead 4 (chiff) 1	ChiffLd1
312	Lead 4 (chiff) 2	ChiffLd2
313	Lead 4 (chiff) 3	ChiffLd3
314	Lead 4 (chiff) 4	ChiffLd4
315	Lead 5 (charang) 1	CharaLd1
316	Lead 5 (charang) 2	CharaLd2
317	Lead 5 (charang) 3	CharaLd3
318	Lead 5 (charang) 4	CharaLd4
319	Lead 5a (wire lead) 1	WireLd1
320	Lead 5a (wire lead) 2	WireLd2
321	Lead 6 (voice) 1	VoiceLd1
322	Lead 6 (voice) 2	VoiceLd2

323	Lead 7 (fifths) 1	FifthLd1
324	Lead 7 (fifths) 2	FifthLd2
325	Lead 8 (bass + lead) 1	BasLead1
326	Lead 8 (bass + lead) 2	BasLead2
327	Lead 8 (bass + lead) 3	BasLead3
328	Lead 8a (soft wrl)	SftWrLd
329	Massiness	Massin
330	Square	Square
331	Slow Square Lead	SlwSquLd
332	Sine Solo	SineSolo
333	Lead 1 (square) 4	SquarLd4
334	Thick Square	ThickSqu
335	2Oscillators Lead	2OscLd
336	Wavy Sawtooth 2	WavySaw2
337	Analog Lead	AnaLead
338	Big Lead	BigLead
339	Fat Lead	FatLead
340	PWM 4th	Rezz4th
341	Delayed Lead 1	DlyLead1
342	Delayed Lead 2	DlyLead2
343	Fifth Lead	FifLead
344	Corrie	Corrie
345	Quint	Quint
SYNTH PAD		
346	Pad 1 (new age) 1	NewAge1
347	Pad 1 (new age) 2	NewAge2
348	Pad 1 (new age) 3	NewAge3
349	Pad 1 (new age) 4	NewAge4
350	Pad 2 (warm) 1	WarmPad1
351	Pad 2 (warm) 2	WarmPad2
352	Pad 2 (warm) 3	WarmPad3
353	Pad 2a (sine pad)	SinePad
354	Pad 3 (polysynth) 1	PolySyn1
355	Pad 3 (polysynth) 2	PolySyn2
356	Pad 3 (polysynth) 3	PolySyn3
357	Pad 3 (polysynth) 4	PolySyn4
358	Pad 4 (choir) 1	ChoirPd1
359	Pad 4 (choir) 2	ChoirPd2
360	Pad 4a (itopia)	ItopiaPd
361	Pad 5 (bowed) 1	BowedPd1
362	Pad 5 (bowed) 2	BowedPd2
363	Pad 5 (bowed) 3	BowedPd3
364	Pad 5 (bowed) 4	BowedPd4
365	Pad 6 (metallic) 1	MetalPd1
366	Pad 6 (metallic) 2	MetalPd2
367	Pad 6 (metallic) 3	MetalPd3
368	Pad 7 (halo) 1	HaloPad1
369	Pad 7 (halo) 2	HaloPad2
370	Pad 7 (halo) 3	HaloPad3
371	Pad 7 (halo) 4	HaloPad4
372	Pad 8 (sweep) 1	SweepPd1
373	Pad 8 (sweep) 2	SweepPd2
374	Pad 8 (sweep) 3	SweepPd3
375	Pan Pad 1	PanPad1
376	Pan Pad 2	PanPad2

377	Dipolar Pad	DipolPad
378	PWM Pad	PWMPad
379	Warmly Pad	WarmlyPd
380	Horn Pad	HornPad
381	Click Pad	ClickPad
382	Analog Pad	AnalogPd
383	80's Poly Pad	80'sPoly
384	PWM 4th Soft	PWM4thSf
385	Synth Calliope Soft	SynCalSf
386	Soft Vox	SoftVox
387	5th SawWave	5thSaw
388	5th Lead Soft	5thLdSf
389	Slow Square	SlSquare
390	New Year Pad	NewYear
391	Space Voice	SpcVoice
392	Rising	Rising
393	Congregate	Congrega
SYNTH SFX		
394	FX 1 (rain) 1	FXRain1
395	FX 1 (rain) 2	FXRain2
396	FX 2 (soundtrack) 1	Sondtrk1
397	FX 2 (soundtrack) 2	Sondtrk2
398	Prelude	Prelude
399	FX 3 (crystal) 1	Crystal1
400	FX 3 (crystal) 2	Crystal2
401	FX 3 (crystal) 3	Crystal3
402	FX 3a (synth mallet)	SynMalet
403	FX 4 (atmosphere) 1	Atmosph1
404	FX 4 (atmosphere) 2	Atmosph2
405	Warm Air	WarmAir
406	FX 5 (brightness) 1	Bright1
407	FX 5 (brightness) 2	Bright2
408	Smog	Smog
409	FX 6 (goblins) 1	Goblins1
410	FX 6 (goblins) 2	Goblins2
411	FX 6 (goblins) 3	Goblins3
412	Choir Bell 1	ChorBel1
413	Choir Bell 2	ChorBel2
414	FX 7 (echoes) 1	Echoes1
415	FX 7 (echoes) 2	Echoes2
416	FX 7 (echoes) 3	Echoes3
417	FX 7b (echo pan)	EchoPan
418	FX 7a (echo bell) 1	EchoBel1
419	FX 7a (echo bell) 2	EchoBel2
420	FX 7a (echo bell) 3	EchoBel3
421	FX 8 (sci-fi) 1	Sci-Fi1
422	FX 8 (sci-fi) 2	Sci-Fi2
423	FX 8 (sci-fi) 3	Sci-Fi3
INDIA		
424	Harmonium 1	Hrmnium1
425	Harmonium 2	Hrmnium2
426	Harmonium 3	Hrmnium3
427	Sitar 1	Sitar1
428	Sitar Drone	SitarDrn
429	Classic Sitar	ClsSitar
430	Sitar 2	Sitar2

Voice List

431	Sitar 3	Sitar3
432	Detuned Sitar	DtnSitar
433	Sitar Glissand	GlsSitar
434	Tanpura	Tanpura
435	Tanpura Low	TanpuraL
436	Tanpura Mid	TanpuraM
437	Sarod	Sarod
438	Santur Ex	SanturEx
439	Santur 1	Santur1
440	Santur 2	Santur2
441	Santur 3	Santur3
442	Mountain Dulcimer	MtDulcmr
443	India Stroke	IndStrok
444	Tabla Tarang	IndTarnng
445	Indian Flute 1	IndFlut1
446	Indian Flute 2	IndFlut2
447	Sitar 4	Sitar4
448	Sitar 5	Sitar5
449	Sitar 6	Sitar6
INDONESIA		
450	Talempong	Talempng
451	Suling HI	SulingHI
452	Suling Hs	SulingHs
453	Suling Lv	SulingLv
VIETNAM		
454	Taj Mahal	TajMahal
455	QuDi Vib	QuDiVib
456	Twin Sine	TwinSine
ORIENTAL		
457	Accordion c1	Acord.c1
458	Accordion 4L	Acord.4L
459	Oud Sad Verd	OudSdVrd
460	Divan Orn 1	DivanOrn
461	NAY 1	NAY1
462	Kanoun 3 Trm	Kanun3Tr
463	Mizmar Trm V	MizmrTrV
464	Strings Stage	StrStage
465	Aks-Baglama	AksBaglm
466	Ney	Ney
467	Zurna TR	ZurnaTR
468	Pick Bs Line	PickBsLn
469	Violin Mono	VlnMono
470	Truba	Truba
471	Bouzuki /Gld	Bozuk/GI
TURKEY		
472	Aks-Baglama	AksBaglm
473	Elk-Baglama	ElkBaglm
474	4st-Elk Bagla	4ElkBglm
475	Kanun	Kanun
476	TR-Klarnet	TR-Klrnt
477	TR-Yayli	TR-Yayli
478	TR-Keman	TR-Keman
479	UD	UD
480	Ney	Ney
481	Zurna-E	Zurna-E
482	Zurna TR	ZurnaTR

483	Vib-Zurna-A	VibZrnA
484	Vib-Zurna-D	VibZrnD
485	Vib-Zurna-E	VibZrnE
BRAZIL		
486	Acc. Master	AcMaster
487	Acc. Classic	AcClasic
488	Cavaquinho	Cavaqnho
489	Warm JP STR	WmJP-STR
490	Blow Alto Vib	BlwAltVb
491	2600 Sine	2600Sine
ETHNIC MISC.		
492	Banjo 1	Banjo1
493	Banjo 2	Banjo2
494	Banjo 3	Banjo3
495	Shamisen 1	Shamise1
496	Shamisen 2	Shamise2
497	Shamisen 3	Shamise3
498	Koto 1	Koto1
499	Koto 2	Koto2
500	Taisho Koto	TaishoKt
501	Kalimba 1	Kalimba1
502	Kalimba 2	Kalimba2
503	Kalimba 3	Kalimba3
504	Bag Pipe 1	BagPipe1
505	Bag Pipe 2	BagPipe2
506	Bag Pipe 3	BagPipe3
507	Fiddle 1	Fiddle1
508	Fiddle 2	Fiddle2
509	Fiddle 3	Fiddle3
510	Shanai 1	Shanai1
511	Shanai 2	Shanai2
512	Shanai 3	Shanai3
PERCUSSION		
513	Tinkle Bell 1	TnklBel1
514	Tinkle Bell 2	TnklBel2
515	Tinkle Bell 3	TnklBel3
516	Agogo 1	Agogo1
517	Agogo 2	Agogo2
518	Agogo 3	Agogo3
519	Steel Drums 1	StelDrm1
520	Steel Drums 2	StelDrm2
521	Steel Drums 3	StelDrm3
522	Woodblock 1	WodBlok1
523	Woodblock 2	WodBlok2
524	Woodblock 3	WodBlok3
525	Castanets 1	Castant1
526	Castanets 2	Castant2
527	Taiko Drum 1	TaikDrm1
528	Taiko Drum 2	TaikDrm2
529	Taiko Drum 3	TaikDrm3
530	Concert Bass Drum 1	ConBsDm1
531	Concert Bass Drum 2	ConBsDm2
532	Acoustic Bass Drum	BassDrum
533	Room Kick	RoomKick
534	Power Kick	PowrKick
535	Electric Bass Drum	EIBsDrum

536	Analog Bass Drum	AnBsDrum
537	Jazz Kick	JazzKick
538	Side Stick	SidStick
539	Analog Rim Shot	AnRiShot
540	Acoustic Snare	A.Snare
541	Room Snare	RomSnare
542	Power Snare	PowSnare
543	Electric Snare	E.Snare
544	Analog Snare	AnaSnare
545	Jazz Snare	JazSnare
546	Brush Tap	BrushTap
547	Concert SD	ConcetSD
548	Hand Clap	HandClap
549	Tom	Tom
550	Room Tom	RoomTom
551	Power Tom	PowerTom
552	Electric Tom	ElecTom
553	Analog Tom	AnaTom
554	Brush Tom	BrushTom
555	Closed Hi-hat	ClosedHH
556	Analog Closed Hi-hat	AnCloHH
557	Pedal Hi-hat	PedalHH
558	Open Hi-hat	OpenHH
559	Crash Cymbal	CrashCym
560	Analog Cymbal	AnaCym
561	Ride Cymbal	RideCym
562	China Cymbal	ChinaCym
563	Ride Bell	RideBell
564	Tambourine	Tambouri
565	Splash Cymbal	SplashCy
566	Cowbell	Cowbell
567	Analog Cowbell	AnaCowbl
568	High Bongo	HiBongo
569	Low Bongo	LoBongo
570	Mute Hi Conga	MuHiCnga
571	Open Hi Conga	OpHiCnga
572	Low Conga	LowConga
573	Analog Hi Conga	AnHiCnga
574	Analog Mid Conga	AnMiCnga
575	Analog Low Conga	AnLoCnga
576	High Timbale	HiTimbal
577	Low Timbale	LoTimbal
578	Cabasa	Cabasa
579	Maracas	Maracas
580	Analog Maracas	AnMaraca
581	Short Guiro	ShGuiro
582	Long Guiro	LoGuiro
583	Claves	Claves
584	Mute Cuica	MuCuica
585	Open Cuica	OpCuica
586	Mute Triangle	MuTrgle
587	Open Triangle	OpTrgle
588	Shaker	Shaker
589	Mute Surdo	MuSurdo
590	Open Surdo	OpSurdo
591	Melodic Tom 1	MeloTom1

592	Melodic Tom 2	MeloTom2
593	Melodic Tom 3	MeloTom3
594	Synth Drum 1	SynDrum1
595	Synth Drum 2	SynDrum2
596	Rhythm Box Tom	RhythBox
597	Electric Drum 1	EleDrum1
598	Electric Drum 2	EleDrum2
599	Reverse Cymbal 1	RevCymb1
600	Reverse Cymbal 2	RevCymb2
SFX		
601	Guitar Fret Noise 1	FreNoiz1
602	Guitar Fret Noise 2	FreNoiz2
603	Guitar Cutting Noise 1	GtCtNoz1
604	Guitar Cutting Noise 2	GtCtNoz2
605	Acoustic Bass String Slap 1	BsStSlp1
606	Acoustic Bass String Slap 2	BsStSlp2
607	Breath Noise 1	BrthNoz1
608	Breath Noise 2	BrthNoz2
609	Flute Key Click 1	FlKeyCk1
610	Flute Key Click 2	FlKeyCk2
611	Seashore 1	Seashor1
612	Seashore 2	Seashor2
613	Rain	Rain
614	Thunder	Thunder
615	Wind	Wind
616	Stream	Stream
617	Bubble	Bubble
618	Bird Tweet 1	Tweet1
619	Bird Tweet 2	Tweet2
620	Dog	Dog
621	Horse Gallop	HorseGlp
622	Telephone Ring 1	Telphon1
623	Telephone Ring 2	Telphon2
624	Door Creaking	DoorCrek
625	Door	Door
626	Scratch	Scratch
627	Wind Chime	WindChim
628	Helicopter	Helicptr
629	Car Engine	CarEngin
630	Car Stop	CarStop
631	Car Pass	CarPass
632	Car Crash	CarCrash
633	Siren	Siren
634	Train	Train
635	Jetplane	Jetplane
636	Starship	Starship
637	Burst Noise	BurtNois
638	Applause	Applause
639	Laughing	Laughing
640	Screaming	Scream
641	Punch	Punch
642	Heart Beat	HeartBet
643	Footsteps	Footstep
644	Gunshot	Gunshot
645	Machine Gun	MachnGun
646	Lasergun	Lasergun
647	Explosion	Explosio
COMBINED VOICE		
648	Stereo Piano & Strings Pad	Pn&StrPd
649	Stereo Piano & Choir	Pn&Choir
650	Stereo Piano & Synth Strings	Pn&SyStr
651	Stereo Piano & Warm Pad	Pn&WrmPd

Voice List

652	Stereo Piano & Soft EP	Pn&SfEP
653	FM Electric Piano	FMEP
654	Digital Piano	DigitlPn
655	E.Piano & Strings	EP&Str
656	E.Piano & Acoustic Guitar	EP&Gtr
657	E.Piano & Vibraphone	EP&Vibra
658	E.Piano 2 & Pad	EP2&Pad
659	E.Piano 2 & Strings	EP2&Str
660	Harpsichord & Stereo Strings	Hrps&Str
661	Music Box & Stereo Strings	MBox&Str
662	Vibraphone & Stereo Strings	Vib&Str
663	Vibraphone Octave	VibraOct
664	Vibraphone & Marimba & Kalimba	Vib&M&K
665	Marimba & Kalimba	Mar&Kal
666	Marimba Delay	MarDelay
667	Xylophone Octave	XylopOct
668	Organ & Stereo Strings	Orgn&Str
669	Stereo Organ & Piano	Orgn&Pno
670	Rock Organ & Strings	RkOr&Str
671	Church Organ & Choir	ChOr&Cho
672	Church Organ & Strings	ChOr&Str
673	Acoustic Guitar & Flute	Gtr&Flut
674	Acoustic Guitar & Clavi	Gtr&Clav
675	24 String Guitar	24StrGtr
676	Steel Guitar & Warm Pad	StGt&Pad
677	Stereo Strings & Horn	Str&Horn
678	Orchestra	Orchestr
679	Full Strings 1	FullStr1
680	Full Strings 2	FullStr2
681	Symphonic	Symphon
682	Stereo Choir & Strings	Cho&Str
683	Stereo Choir & Steel Guitar	Cho&Gtr
684	3 Trumpets Loose	3Trumpet
685	Trombone & Stereo Strings	Tomb&Str
686	3 Trombones Loose	3Trmbone
687	3 Muted Trumpets Loose	3MuTrump
688	Club Brass	ClubBras
689	Brass & Woodwinds	Brs&Wood
DRUMS		
690	Standard Kit	StandKit
691	Room Kit	RoomKit
692	Power Kit	PowerKit
693	Electronic Kit	ElectKit
694	Analog Kit	AnalgKit
695	Jazz Kit	JazzKit
696	Brush Kit	BrushKit
697	Orchestra Kit	OrcheKit
698	SFX Kit	SFXKit
699	Khaligi 1	Khaligi1
700	Khaligi 2	Khaligi2
701	Sharkiyat Kit	Sharkiyt
702	Oriental Kit 2	OrKit2
703	TR-Perc-Kit	TR-Perc1
704	TR-Drum-Kit	TR-Drum
705	Latin Drm Kit	LatinDrm
706	LD Std Kit	LD-Std

Style List

NO.	English Name	LCD Name
8BEAT		
1	8Beat Ballad	8BtBld
2	8Beat Piano	8BtPiano
3	8Beat 1	8Beat1
4	Guitar Pop 1	GtPop1
5	8Beat Hip Hop	8BtHiHop
6	8Beat Blues Rock	8BtBluRk
7	8Beat Pop	8BtPop
8	Pop Funk 1	PopFunk1
9	Rhythm&Beat 1	Rhy&Bt1
10	8Beat Disco 1	8BtDisc1
11	8Beat Rock	8BtRock
12	Guitar Pop 2	GtPop2
13	8Beat 2	8Beat2
14	Sweet Beat	SweetBt
15	8Beat Dance	8BtDance
16	8Beat Disco 2	8BtDisc2
17	Pop Funk 2	PopFunk2
18	8Beat 3	8Beat3
19	60's 8Beat	60's8Bt
20	Rhythm&Beat 2	Rhy&Bt2
16BEAT		
21	16Beat 1	16Beat1
22	16Beat Funk 1	16BtFuk1
23	16Beat Ballad 1	16BtBld1
24	16Beat R&B	16BtR&B
25	Pop 16Beat 1	Pop16Bt1
26	16Beat Funk 2	16BtFuk2
27	16Beat Dance	16BtDanc
28	Pop 16Beat 2	Pop16Bt2
29	16Beat 2	16Beat2
30	Pop 16Beat 3	Pop16Bt3
31	16Beat Ballad 2	16BtBld2
32	16Beat 4	16Beat4
33	Pop Shuffle	PopShfl
POP&BALLAD		
34	Pop Rock 1	PopRock1
35	Pop Dance 1	PopDanc1
36	Pop Fusion	PopFusn
37	Analog Night 1	AnalgNt1
38	6/8 Pop	6/8Pop
39	Brit. Pop 1	BritPop1
40	Brit. Pop 2	BritPop2
41	Pop Hit	PopHit
42	Fusion Shuffle	FusShufl
43	Analog Night 2	AnalgNt2
44	Guitar Pop 3	GtPop3
45	Pop Beat	PopBeat
46	Soft Beat	SoftBeat
47	60's Pop	60'sPop
48	Sting Latin	StigLatn
49	R&B Ballad 1	R&BBld1
50	Guitar Ballad	GtBallad
51	Ballad Rock	BaldRock
52	Piano Pop	PianoPop

53	Soft Ballad	SoftBald
54	Natural Ballad	NatulBld
55	Love Ballad	LoveBald
56	Easy Ballad	EasyBald
57	Miami Folk	MiamiBld
58	Slow Ballad	SlowBald
59	Folk Ballad	FolkBald
60	Pop Ballad 1	PopBald1
61	Pop Ballad 2	PopBald2
62	EP Ballad	EPBallad
63	New R&B Ballad	NewRBBld
ROCK		
64	Rock	Rock
65	New Wave	NewWave
66	Ska	Ska
67	Pop Rock 2	PopRock2
68	Slow Rock	SlowRock
69	70's Rock&Roll	70'sRock
70	Folk Rock	FolkRock
71	Soft Rock	SoftRock
72	Old Rock	OldRock
73	Easy Rock	EasyRock
74	New Shuffle	NewShufl
75	Rock Hip Hop	RkHipHop
76	Rock&Roll 1	R'N'R1
77	Rock Shuffle	RockShfl
78	Rock&Roll 2	R'N'R2
BALLROOM		
79	Tango 1	Tango1
80	Spain Matador	Matador
81	Slow Waltz 1	SlowWlz1
82	Swing Fox	SwingFox
83	Salsa 1	Salsa1
84	Cha Cha 1	ChaCha1
85	Cha Cha 2	ChaCha2
86	Beguine 1	Beguine1
87	Beguine 2	Beguine2
88	Rumba 1	Rumba1
89	Samba 1	Samba1
90	Samba 2	Samba2
91	Jive	Jive
92	Fox Trot	FoxTrot
DANCE		
93	Techno 1	Techno1
94	Hip Hop 1	HipHop1
95	House 1	House1
96	House 2	House2
97	Pop Dance 2	PopDanc2
98	Down Beat	DownBeat
99	Techno 2	Techno2
100	Progressive	Progress
101	Rap 1	Rap1
102	Rap 2	Rap2
103	Disco	Disco
104	Soft Disco	SoftDisc
105	Disco Party	DscParty

Style List

106	70's Disco	70'sDisc
107	70's Disco Funk	70'sFunk
108	Club Dance	ClubDanc
109	Euro Dance	EuroDanc
110	Hip Hop 2	HipHop2
111	Garage	Garage
SOUL & FUNK		
112	Funk 1	Funk1
113	Classic Funk	ClasFunk
114	Jay R&B	JayR&B
115	Gospel Swing	GopSwing
116	Gospel	Gospel
117	Hip Hop Soul	HipHopSl
118	Hip Hop Beat	HipHopBt
119	R&B	R&B
120	Soul Beat	SoulBeat
121	R&B Ballad 2	R&BBld2
122	British Soul Pop	BritSoul
SWING & JAZZ		
123	Latin Jazz 1	LatinJz1
124	Big Band 1	BigBand1
125	Dixieland 1	Dixland1
126	Guitar Swing 1	GtSwing1
127	Broadway Big Band	BwayBand
128	Swing	Swing
129	Latin Jazz 2	LatinJz2
130	Fusion	Fusion
131	Acid Jazz	AcidJazz
132	Cool Jazz Ballad	CoolJzBd
133	Swing Shuffle	SwingSfl
134	Big Band Medium	BandMid
135	Dixieland 2	Dixland2
136	Acoustic Jazz	AcoustJz
137	Guitar Swing 2	GtSwing2
138	Ragtime	Ragtime
139	Modern Jazz Ballad	MdJzBald
140	Swing Ballad	SwingBal
141	Orchestra Swing	OrhSwing
COUNTRY		
142	Country Pop 1	CntyPop1
143	Bluegrass 1	Blugras1
144	8Beat Country	8BtCnty
145	Modern Country	ModrCnty
146	Country Pop 2	CntyPop2
147	Bluegrass 2	Blugras2
148	2/4 Country	2/4Cntry
149	Country Quick Steps	QuickStp
150	Country Folk	CntyFolk
151	Country Shuffle	CnyShuffl
LATIN & LATIN DANCE		
152	Samba 3	Samba3
153	Bossa Nova	BosaNova
154	Latin	Latin
155	New Reggae	NewRegga
156	Reggae Dance	DanRegga
157	Paso Doble	Pasodobl

158	Lite Bossa	LteBossa
159	Latin Rock	LatinRck
160	Beguine 3	Beguine3
161	Slow Bolero	SlBolero
162	Disco Samba	DscSamba
163	Mambo	Mambo
164	Meneito	Meneito
165	Rumba 2	Rumba2
166	Rumba 3	Rumba3
167	Tikitikita	Tikitkta
168	Lambada	Lambada
169	Pop Cha Cha 1	PChaCha1
170	Pop Cha Cha 2	PChaCha2
171	Salsa 2	Salsa2
WALTZ & TRADITIONAL		
172	Waltz	Waltz
173	Old Waltz	OldWaltz
174	English Waltz	EngWaltz
175	German Waltz	GemWaltz
176	Italian Mazurka	ItaMazuk
177	Mexico Waltz	MexWaltz
178	Vienna Waltz	VinaWltz
179	Slow Waltz 2	SlwWltz2
180	Jazz Waltz	JazzWltz
181	Polka	Polka
182	6/8 March	6/8March
183	German Polka	GemPolka
184	Party Polka	PtyPolka
185	Army March	ArmMarch
186	March	March
187	US March	USMarch
188	Musette	Musette
189	French Musette	FMusette
190	Mazurka	Mazurka
WORLD		
191	Enka Ballad	EnkaBald
192	Laendler	Laendler
193	Hawaiian	Hawaiian
194	Sirtake	Sirtake
195	Dangdut	Dangdut
196	6/8 Flipper	6/8Flipp
197	New Age	NewAge
198	Tarantella	Tarantel
199	Scottish	Scottish
200	Norteno	Norteno
INDIA		
201	Dep/Rupak	Dep/Rupak
202	Dadra	Dadra
203	Bangla	Bangla
204	Bhajan	Bhajan
205	Keherwa 1	Keherwa1
206	Keherwa 2	Keherwa2
207	Dholki	Dholki
208	Ghazal	Ghazal
209	Aasamee	Aasamee
210	Koli Pattern	KoliPtn

211	Lavani	Lavani
212	South Pattern 1	SouthPt1
213	South Pattern 2	SouthPt2
214	Pramad NM	PramadNM
215	Keral	Keral
216	Dhamaal	Dhamaal
217	DesiRock	DesiRock
218	Sufi	Sufi
219	Filmy Masti 1	FilmyMs1
220	Filmy Masti 2	FilmyMs2
221	In Masti 1	InMasti1
222	In Masti 2	InMasti2
223	Punjabi	Punjabi
224	Bhangra 1	Bhangra1
225	Bhangra 2	Bhangra2
226	Garba 1	Garba 1
227	Garba 2	Garba2
228	Qawaali	Qawaali
229	Raja Bha	RajaBha
230	Sun Belia	SunBelia
231	Rajasthan	Rajsthan
232	Goa Masti	GoaMasti
233	Congo	Congo
INDONESIA		
234	Dangdut Std	DngdtStd
235	Dangdut Koplo	DngdtKpl
236	Langgam Jawa	LngmJawa
237	Keroncongan	Kerncngn
238	Melayu	Melayu
239	Batak	Batak
240	Karo Batak	KaroBatk
241	Minang	Minang
242	Sunda	Sunda
VIETNAM		
243	Bolero 1	Bolero 1
244	Bolero 3	Bolero 3
245	Boston	Boston
246	Cha Asia	Cha Asia
247	Cha Danca	ChaDanca
248	Cha LKhuc	ChaLKhuc
249	Dance Remix	DanceRmx
250	Disco Band	DiscoBnd
251	DJ 2	DJ 2
252	Rumba Sen	RumbaSen
253	Slow Rock 2	SlowRk 2
254	Slow Surf 2	SlowSrf2
255	Slow Surf 3	SlowSrf3
256	Tango Rumba	TangoRmb
ORIENTAL		
257	Baladi Live	BaladiLv
258	T-Raye2	T-Raye2
259	Maksoum Sarei	MaksmSar
260	T-ReMix All	T-RmxAll
261	4444	4444
262	Baladi Modern	BldModrn
263	Fox Mix	Fox Mix

264	Gypsy Laff	GypsyLaf
265	Katakofti	Katakoft
266	Konga Mix	KongaMix
267	T-Sha3by	T-Sha3by
268	Saidi Live Mix	SaidLvMx
269	T-Slow Rock	T-SlwRck
270	Super Waltz	SuperWlz
271	T-Ayoub Dance	T-AybDnc
272	Wahda Modern	WahdMdrn
273	Zaffa Mix	ZaffaMix
274	T-Dance	T-Dance
275	Baladi	Baladi
276	Romba 1	Romba 1
277	Adani	Adani
278	Khubety 2	Khubety2
279	Dosary	Dosary
280	Bandiry	Bandiry
281	Harby	Harby
282	Ayala	Ayala
283	Basta	Basta
284	Khubety 1	Khubety1
285	Sharh 2	Sharh 2
286	Adany 2	Adany 2
287	Adany 3	Adany 3
288	Liwa	Liwa
289	Mallaya 1	Mallaya1
290	Rumba 1	Rumba 1
291	Rumba 2	Rumba 2
292	Sout 2	Sout 2
293	Zaffa Khaligi	ZafKhalg
TURKEY		
294	2-4-Dugun	2-4Dugun
295	4-4-OR-1	4-4-OR-1
296	6-8-TSM	6-8-TSM
297	7-8-KRDNZ	7-8KRDNZ
298	9-8-1	9-8-1
299	9-8-TSM	9-8-TSM
300	10-8-TSM	10-8-TSM
301	10-THM-1	10-THM-1
302	10-THM-2	10-THM-2
303	ACS-2-4	ACS-2-4
304	Ciftetelli-1	Ciftet1
305	Duble-Vahde	DbIvahde
306	Harmandali	Harmandl
307	Misket	Misket
308	Moufio	Moufio
309	Pop Halay	PopHalay
310	Top Pop	Top Pop
311	Turk-Pop-1	TurkPop1
312	Turku Pop	TurkuPop
313	Vahde-R&B	VahdeR&B
314	Zeybek	Zeybek
BRAZIL		
315	Arrastape	Arrastap
316	Arrocha 1	Arrocha1
317	Bossa Nova 1	BosaNov1

Style List

318	Chamame	Chamame
319	Forro 1	Forro 1
320	Forro 2	Forro 2
321	Guarania	Guarania
322	Marchinha	Marchinh
323	Samba	Samba
324	Samba de Rua	SmbDeRua
325	Sertanejo 2	Sertanj2
326	Vanerao	Vanerao
327	Xote	Xote
PIANIST		
328	Pianist 1	Pianist1
329	Pianist 2	Pianist2
330	Pianist 3	Pianist3
331	Jazz 1	Jazz1
332	Jazz 2	Jazz2
333	Jazz Pub	JazzPub
334	Piano Rock	PianoRk
335	Pop Bossa	PopBossa
336	March 1	March1
337	March 2	March2
338	Piano Beat	PianoBt
339	Piano Bar	PianoBar
340	Blues	Blues
341	Pop Waltz	PopWaltz
342	Slow Waltz	SlowWltz
343	Ballad 1	Ballad1
344	Ballad 2	Ballad2
345	6/8 Ballad	6/8Bald
346	Pop 1	Pop1
347	Pop 2	Pop2

Song List

No.	English Name	LCD Name
FOLK & COUNTRY		
1	Red River Valley	RedRiver
2	Troika	Troika
3	Oh! Susanna!	Susanna
4	Wave Of The Danube	Danube
5	Long Long Ago	LongAgo
6	Old Folks at Home	OldFolk
7	Jambalaya	Jambalay
8	Ding! Dong! Merrily On High	DingDong
9	Battle Hymn Of The Republic	Battle
10	The Old Gray Mare	GrayMare
11	American Patrol	USPatrol
12	Christmas Is Coming	IsComing
13	Sippin' Cider Through A Straw	SCTStraw
14	Christmas Sound	Sound
15	On London Bridge	LdBridge
GOLDEN & POP		
16	House Of The Rising Sun	HouseSun
17	The Blue Bells Of Scotland	BlueBell
18	Beautiful Dreamer	Dreamer
19	It's Been A Long, Long Time	LongTime
20	O Sole Mio	OSoleMio
21	Der Deitcher's Dog	DerDDog
22	Joy To The World	JoyWorld
23	Silent Night	SitNight
24	Ave Maria	AveMaria
25	Five Hundred Miles	FHMiles
26	Happy New Year	HappyNY
27	It's Beginning To Look A Lot Like Christmas	LikeXmas
28	Jeanie With The Light Brown Hair	LighHair
29	Music Box Dancer	Dancer
30	Go Tell It On The Mountain	GoTellIt
31	Entertainer	Entertai
32	Annie Laurie	AnnieLau
33	Rumba Romance	Romance
34	The Last Rose Of Summer	LastRose
35	The Old King Cole	OldKingC
JAZZ & FUSION		
36	Samba In June	JunSamba
37	Funk	Funk
38	I Can...	I Can...
39	Sea Shore	SeaShore
40	Guitar&Saxphone	Gt&Sax
41	The Hip Hop's Night	HipHopNt
42	Blue Lunch	BluLunch
43	Cobweb	Cobweb
44	Wine	Wine
45	Jazz Old Man	JzOldMan
46	Dark Eyes	DarkEyes
47	Carlos	Carlos
48	Sad	Sad
PIANO		
49	Lyrical Rondo	Rondo
50	Rialto Ripples (Rag)	Ripples

51	Neapolitan Song	NapISong
52	Waltzes	Waltzes
53	Turkish March	Turkish
54	Schos Doll's Dance No. 2	DanceNo2
55	Minuet In D Major	Minuet
56	Inquietude	Inquiet
57	Italian Polka	ITPolka
58	Moment Musical	Musical
59	Prelude In C-Sharp Major	PreludeC
60	The Happy Farmer	Farmer
61	The Rag-Time Dance	RagTime
62	Piano Sonata In C Major, K.330. III	SonataC
63	Mazurka	Mazurka
64	Prelude In E Major	PreludeE
65	Piano Sonata In A Major, K.331. I	SonataA
66	Waltz For Piano In G-Sharp Minor	WaltzG
67	Gavotte	Gavotte
68	L' Arabesque	Arab
69	Austria Variation	Austria
70	Schos Doll's Dance No. 7	DanceNo7
71	To A Wild Rose	WildRose
72	Gavotte I	Gavotte1
73	Waltz	Waltz
74	Minuet In G Major (BWV Anh. 116)	MinuetG
75	Innocence	Innocent
76	Tchaikovsky Waltz	Tchikvsk
77	Salut d' Amour	Amour
78	Barcarolle	Bacarole
79	Robot Doll	Robot
80	Consolation	Consola
81	2-Part Invention #13 In A Minor.B.W. Iii	InvtionA
82	Minuet In G Major (BWV Anh. 114)	BWV114
83	Barcarolle	Bacarole
84	Norwegian Dance No.2	Norway
85	Moseta Dance	Moseta
86	The Small Gathering	Gatherin
87	The Return	Return
88	The Wagtail	Wagtail
89	Bulie Dance	Bulie
90	Tender Blossom	Blossom
91	Grace	Grace
92	Cherish The Memories	Memories
93	Chopsticks	Chopstik
94	Four Little Swans	FLSwans
95	Progress	Progress
96	Eclogue	Eclogue
97	The Limpid Stream	Stream
98	Brave Cavalier	Cavalier
99	The Chatterbox	Chatbox
100	Tarantella	Taratela
101	Frankness	Frakness
102	Tender Grieving	Grieving
103	The Farewell	Farewell
104	The Chase	Chase
105	Habanera	Habanera

Song List

106	Prelude In C Major	Prelude
107	Piano Sonata In C Major, K.545.	K545
108	Piano Sonata op.49-2	Sonata
109	Serenade	Serenade
110	Prelude D-Dur/D major BWV936	BWV936
111	Prelude C-Dur/C major BWV924	BWV924
112	Toys Ragtime	ToysRag
113	Maple leaves Ragtime	Maple
114	Chicken pecking Ragtime	ChickRag
115	Pretty girl Ragtime	PretGirl
116	Menuett G dur 3	MenuettG
117	Perpetuum mobile	Perpetua
118	The Nightingale was singing	Nightgal
119	Gipsy Rondo	Gipsy
120	Fountain	Fountain
121	Fur Elise	FurElise
122	Prelude F-Dur/F major BWV927	BWV927
123	Prelude d-Moll/D minor BWV935	BWV935
124	Prelude e-Moll/E minor BWV938	BWV938
125	Prelude G-Dur/G major BWV936	BWV936
126	Dove	Dove
127	Knight	Knight
128	Ave Maria	AveMaria
129	Prelude G-Dur/G major BWV902a	BWV902
130	Menuett G dur 4	MenuettG
131	The two part inventions 1	Invtion1
132	The two part inventions 2	Invtion2
133	Gavotte	Gavotte

134	The angels singing	Angels
135	Minuet	Minuet
136	The entertainer	Entertai
137	Swallow	Swallow
138	Minute Waltz	MintWalt
139	Carl Czerny 599 NO79	599NO79
140	Carl Czerny 599 NO80	599NO80
141	Carl Czerny 599 NO81	599NO81
142	Carl Czerny 599 NO82	599NO82
143	Carl Czerny 599 NO83	599NO83
144	Carl Czerny 599 NO84	599NO84
145	Carl Czerny 599 NO85	599NO85
146	Carl Czerny 599 NO86	599NO86
147	Carl Czerny 599 NO87	599NO87
148	Carl Czerny 599 NO88	599NO88
149	Carl Czerny 599 NO89	599NO89
150	Carl Czerny 599 NO90	599NO90
151	Carl Czerny 599 NO91	599NO91
152	Carl Czerny 599 NO92	599NO92
153	Carl Czerny 599 NO93	599NO93
154	Carl Czerny 599 NO94	599NO94
155	Carl Czerny 599 NO95	599NO95
156	Carl Czerny 599 NO96	599NO96
157	Carl Czerny 599 NO97	599NO97
158	Carl Czerny 599 NO98	599NO98
159	Carl Czerny 599 NO99	599NO99
160	Carl Czerny 599 NO100	599NO100

Demo List

No.	English Name	LCD Name
1	Demo 1	Demo 1
2	Demo 2	Demo 2
3	Demo 3	Demo 3
4	Demo 4	Demo 4
5	Demo 5	Demo 5
6	Demo 6	Demo 6
7	Demo 7	Demo 7
8	Demo 8	Demo 8

MIDI Implementation Chart

Function		Transmitted	Recognized	Remarks
Basic	Default	1	1-16	
Channel	Changed	1-16	1-16	
Mode	Default	x	3	
	Messages	x	x	
	Altered	*****	x	
Note Number	Note :True voice	0-127 *****	0-127 0-127	
Velocity	Note on Note off	o 9nH,V=1-127 x (9nH,V=0)	o 9nH,V=1-127 o(9nH,V=0; 8nH,V=0-127)	
After Touch	key's Ch's	x x	x x	
Pitch Bend		x	o	
Control Change	0, 32 1 5 6, 38 7 10 11 64 65 66 67 80 81 91 93 120 121 123	o o x o o x x o o x o o o o o o x o	o o o o o o o o o o o o o o o o x o	Bank Select Modulation Portamento Time Data Entry Volume Pan Expression Sustain Pedal Portamento ON/OFF Sostenuto Pedal Soft Pedal Reverb Program Chorus Program Reverb Level Chorus Level All Sound Off Reset All Controllers All Notes Off
Program Change	: True Number	o *****	o 0-127	
System Exclusive		x	o	
System Common	:SongPosition :Song Select :Tune	x x x	x x x	
System Real Time	:Clock :Commands	o x *1	x x	
Aux Messages	:LOCAL ON/OFF :Active sense :System Reset	x x x	x o x	
Notes: *1 When the accompaniment is started, an FAH message is transmitted. When the accompaniment is stopped, an FCH message is transmitted.				

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

- Mode 3: OMNI OFF, POLY
- Mode 4: OMNI OFF, MONO

- x: NO
- o: YES

