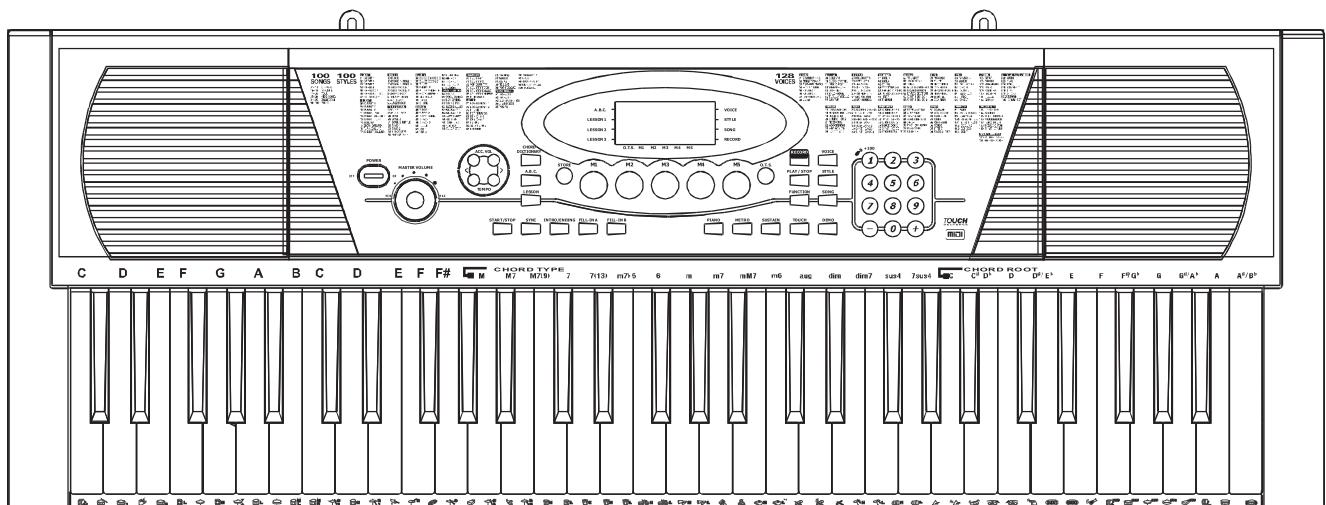


nEXXTECH™
MC



61-Key Electronic Keyboard

INSTRUCTION MANUAL

4219634

Congratulations!

Congratulations on your purchase of the Nexxtech Electronic Keyboard! This electronic keyboard is a high quality with up to 128 voices, 100 styles and 100 songs. Before you use this keyboard, we recommend that you carefully read through this manual. Please keep the instruction manual for future reference.

Care of Your Keyboard

Your keyboard will remain in good condition if you follow these simple guidelines:

Location

Do not expose the unit to the following conditions in order to avoid deformation, discolouration or more serious damage:

- Direct sunlight
- High temperatures (near heat sources or in an enclosed heated area)
- Excessive humidity
- Excessive dust
- Strong vibrations

Electrical Interference

- This instrument contains digital circuitry and may cause interference if placed too close to radio or television receivers. If this occurs, move the instrument further away from the affected equipment.

Power Supply

- Turn the power switch OFF when the instrument is not in use.
- The AC adapter should be unplugged from the AC outlet if the instrument is not to be used for a long period of time.
- Unplug the AC adapter during storms.
- Avoid plugging the AC adapter into the same outlet as other appliances with high power consumption, such as electric heaters or ovens. Also, avoid using multi-plug adaptor since these can result in reduced sound quality, operation errors and possible damage.

Turn Power OFF When Making Connections

- To avoid damage to the instrument and other devices to which it is connected, turn the power switches of all related devices OFF prior to connecting or disconnecting cables.

Handling and Transport

- Never apply excessive force to the controls, connectors or other parts of the instrument.
- Always unplug cables by gripping the plug firmly, but not pulling on the cable.
- Disconnect all cables before moving the instrument.
- Physical shocks caused by dropping, bumping or placing heavy objects on the instrument can result in scratches and more serious damage.

Cleaning

- Clean the cabinet and panel with a dry soft cloth.
- A slightly damp cloth may be used to remove stubborn grime and dirt.
- Never use cleaners such as alcohol or thinner.
- Avoid placing vinyl object on top of the unit (vinyl can stick to and discolor the surface).

The FCC Wants You to Know

Modifications not authorized by the manufacturer may void users authority to operate this device.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

Circuit City Global Sourcing, Ltd.

CAUTION: DO NOT ALLOW THE PRODUCT TO BE EXPOSED TO RAIN OR MOISTURE. USE ONLY WITH SPECIFIED ADAPTER OR CABLE.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and
(2) This device must accept any interference received,
including interference that may cause undesired operations.

This Class B digital apparatus complies with Canadian ICES-003.



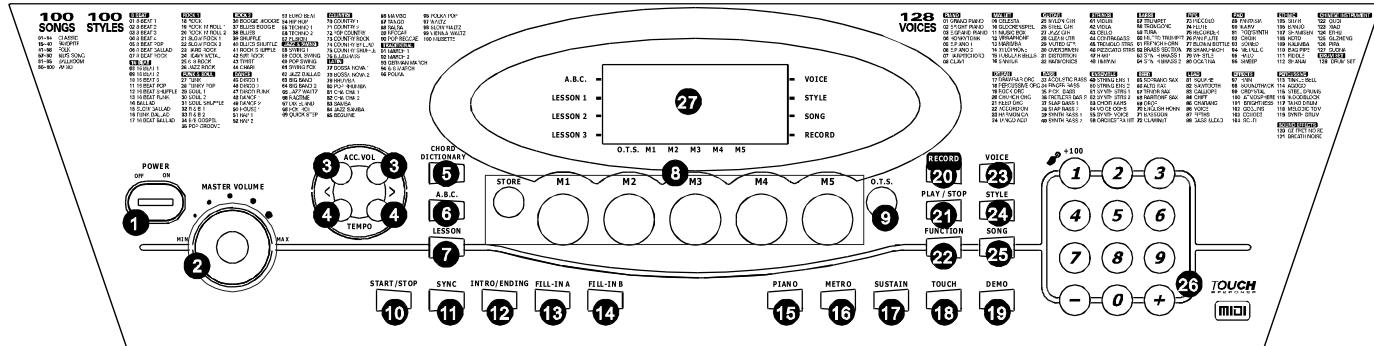
Main Features

- 61 keys touch keyboard, 16 velocity level, TOUCH ON/OFF
- Multi-functional LCD which can display the keyboard and staff
- 128 realistic voices (including 123 PCM voices, 4 Chinese voices and one drum kit)
- 100 auto accompanying styles
- 100 songs
- 3 lesson modes
- Auto Chord Bass ON/OFF
- Record and playback
- 5 memory spaces
- 16 levels of ACCOMP VOLUME
- SYNC, START/STOP, FILL IN/VARIATION, FILL IN/NORMAL and INTRO/EDITING controls for different styles.
- CHORD DICTIONARY for beginners.
- Others: Piano, Sustain
- 16-channel for MIDI OUT

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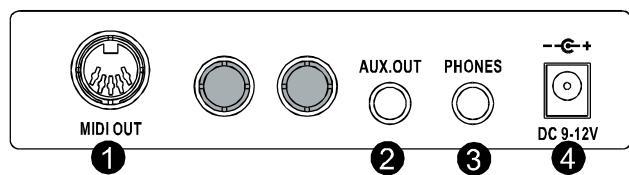
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General Guide



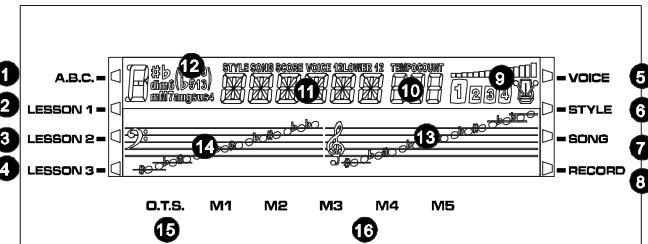
1. FRONT PANEL

- 1) POWER SWITCH
- 2) MASTER VOLUME
- 3) ACCOMP VOLUME
- 4) TEMPO
- 5) CHORD DIRECTORY
- 6) AUTO BASS CHORD
- 7) LESSON
- 8) STORE/M1-M5
- 9) O.T.S.
- 10) START/STOP
- 11) SYNC
- 12) INTRO/EDITING
- 13) FILL-IN A
- 14) FILL-IN B
- 15) PIANO
- 16) METRONOME
- 17) SUSTAIN
- 18) TOUCH
- 19) DEMO
- 20) RECORD
- 21) PLAY/STOP
- 22) FUNCTION
- 23) VOICE
- 24) STYLE
- 25) SONG
- 26) NUMERIC KEYPAD
- 27) LCD DISPLAY



2. REAR PANEL

- 1) MIDI OUT port
- 2) AUX. OUT jack
- 3) PHONES jack
- 4) DC 9-12V jack

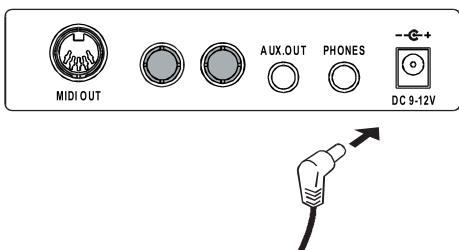


3. LCD DISPLAY

- 1) A.B.C.
- 2) LESSON 1
- 3) LESSON 2
- 4) LESSON 3
- 5) VOICE
- 6) STYLE
- 7) SONG
- 8) RECORD
- 9) BEAT
- 10) TEMPO/COUNT
- 11) VOICE NUMBER
- 12) CHORD
- 13) TREBLE CLEF
- 14) BASS CLEF
- 15) O.T.S.
- 16) M1-M5

Power Supply

This electronic keyboard can be powered by a current from a standard household wall outlet (using the specified AC adapter) or by batteries.



Using the AC Adapter

Make sure that only the specified AC adapter for this electronic keyboard is used. The adapter shall be 12V DC output, 800mA, and centre positive type. Make sure to turn off the electronic keyboard before you connect the adapter into the AC wall outlet and the cord into the unit.

CAUTIONS!

- Use only the specified AC adapter. Use of another type of adapter creates a danger of fire and electrical shock
- For safety's sake, make sure to unplug the AC adapter from the wall outlet whenever leaving the electronic keyboard unattended for a long time.

Using Batteries

Always make sure to turn the keyboard off before inserting new batteries or replacing old ones.

To insert new batteries:

1. Open the battery compartment underneath the keyboard.
2. Insert 6 D size (SUM-1, R-20) batteries into the battery compartment, noting the correct polarity.
3. Replace the compartment cover and make sure it locks firmly in place.

Low battery indications:

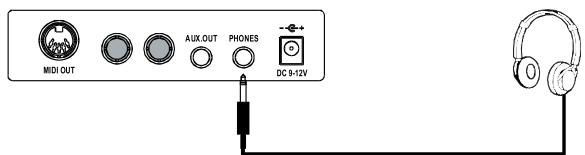
Any of the following symptoms may indicate low battery power. Replace batteries as soon as possible whenever any of the following occurs:

- A dim and difficult to read LCD display.
- Abnormally low speaker/headphone volume.
- Distortion on the sound output.
- Sudden power failure when playing at a high volume.
- Abnormal playing of the rhythms or demo songs.
- Dimming of the display when playing at a high volume.

CAUTIONS!

- When inserting batteries, make sure to follow the polarity markings.
- Never use batteries of different types.
- Never mix old batteries with new ones.
- Replace the batteries as soon as possible after any sign of discharge.
- Always remove the batteries from the keyboard's batteries compartment when the keyboard is not expected to be used for a long period of time.

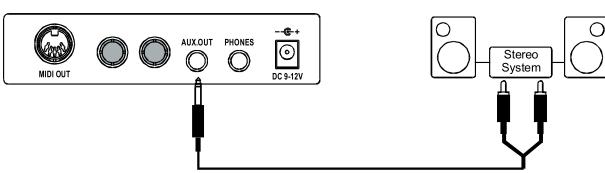
Connections



The Headphone Jack

If you prefer to play with headphones for high quality personal monitoring, plug a stereo headphone set into the rear panel PHONES jack.

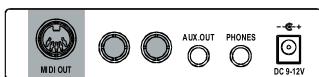
Plugging a set of headphones into the PHONES jack will shut off the speakers automatically.



The AUX OUT Jack

The AUX OUT jack delivers the output of the keyboard for connection to an external amplifier.

Using an audio cord, plug it into the AUX OUT jack located on the rear panel. Then plug the other end of the cord into LINE IN or AUX IN of the amplifier.



The MIDI OUT Jack

The MIDI IN connector receives MIDI data from an external MIDI device. The MIDI OUT connector transmits MIDI data generated by the electronic keyboard to an external MIDI device.

DEFINITION:

- MIDI (Musical Instrument Digital Interface) is a world-standard digital communications interface/language that allows multiple electronic instruments, computers, and other related devices to communicate with each other within a connection.

WARNING

To avoid damage to the instrument and other devices to which it is connected, turn the power switches of this keyboard and all related devices OFF when you want to plug in or unplug between this instrument and all related devices.

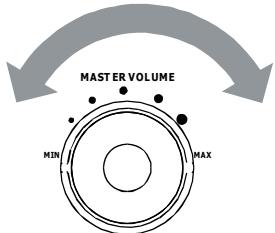
Play Demo Songs

Turn the Power On and Adjust the Volume

1. Connect the DC power correctly and then press [POWER] to turn it on.



2. Adjust the volume to an appropriate level by turning the [MASTER VOLUME] switch.

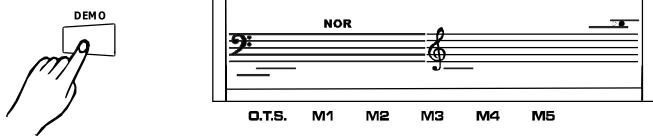


Playing a Demo Song

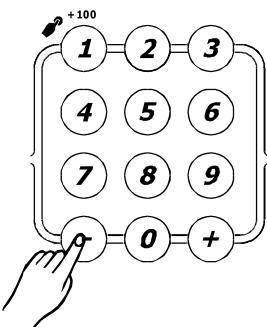
A selection of 6 demo songs are built-in for your listening pleasure or for fun.

This will give you a good idea of what your keyboard can do.

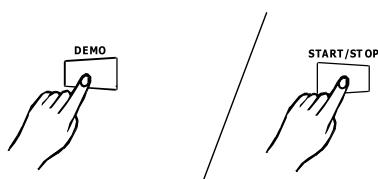
1. Press the [DEMO] button at any time to enter demo mode. All 6 demos will play from the first in the sequence. At this time the LCD displays d-xx.



2. You can use the [0-9] or the (-/OFF)/(+/ON) button to select a demo song. When a song is selected, the song number of the selected song will flash for 3 seconds before the demo song starts.



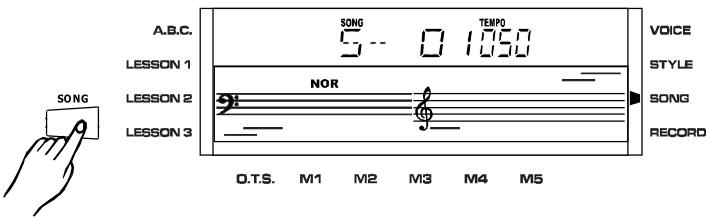
3. To stop the demo song, press the [DEMO] button again or simply press the [START/STOP] button.



NOTE:

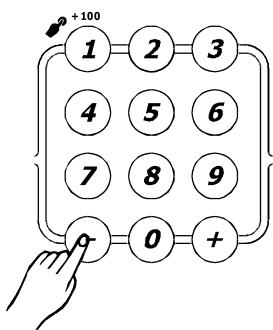
- All the keys are inactive in this mode except for the [DEMO], [START/STOP], [TEMPO] and [0-9] number keys. The keyboard is inactive as well.

Play Songs



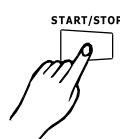
A selection of 100 songs are built-in for your listening pleasure or for fun.

You can use the Melody Off function to turn off the melody of the song and learn to play by following the signals on the display.



1. Press the [SONG] button during the voice, style, piano, dictionary, etc. modes. All 100 songs will play from the current song in sequence. At this time, the Song indicator on the LCD will light up, and the LCD displays the song number s-xx.

2. You can use the [0-9] or the (-/OFF)/(+/ON) buttons to select a song. When a song is selected, the song number of the selected song will flash for 3 seconds before the song starts.

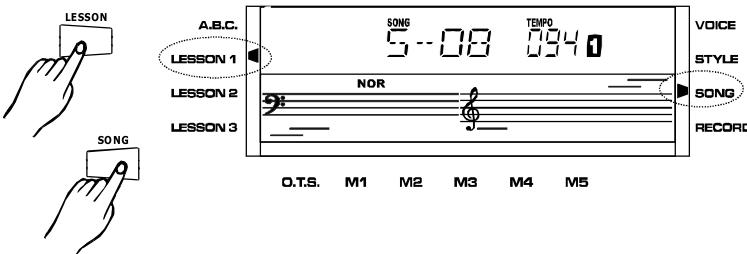


3. If you want to listen to a specific song, press the [START/STOP] button to start the song in song mode. The song will play repeatedly. At this time the keyboard is inactive. Press [START/STOP] again to stop the song.

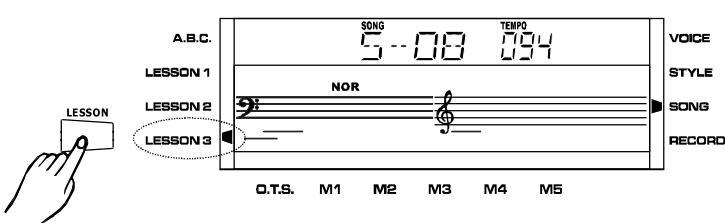
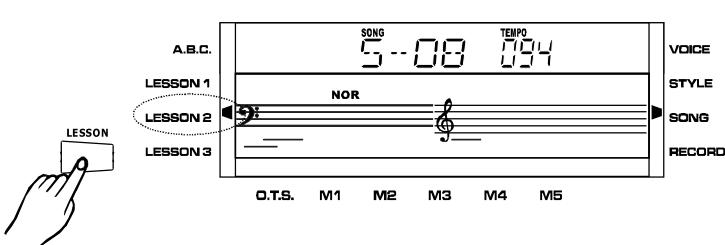
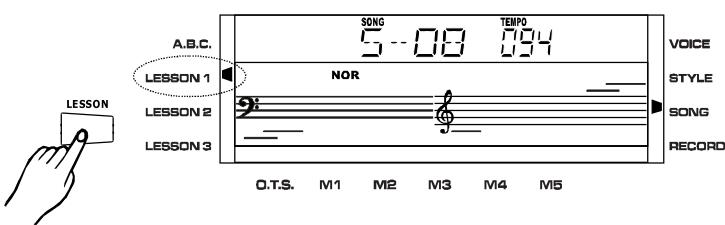
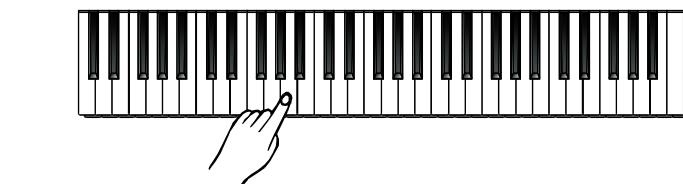
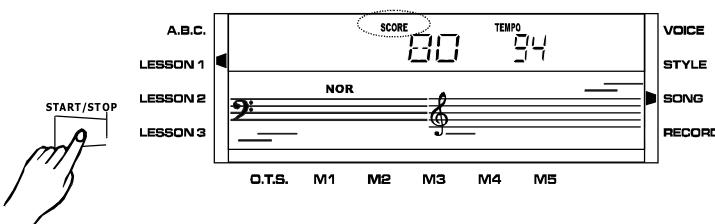
NOTE:

- All the keys are inactive in this mode except for the [DEMO], [START/STOP], [TEMPO] and [0-9] number keys. The keyboard is inactive as well, except for pressing [LESSON].

Lesson



In song mode, press the [LESSON] to enter the lesson mode. Three lesson modes (LESSON 1, 2, 3) are provided for users to learn, grading the user's performance when complete.



Start Lesson

In song mode, press the [LESSON] button to choose to enter one of the three lesson modes or to exit the lesson mode in a loop. Press the [START/STOP] button to start or stop the lesson.

If you play the wrong notes or miss one, the score will decrease.

LESSON 1 (One key)

The melody notes are displayed on the LCD. If you press any keys when there is a note in the song, the note will sound out correctly no matter what keys you have pressed.

LESSON 2 (Waiting)

The song will not sound until you play the right notes.

LESSON 3 (Melody off)

The song will be playing and the melody is off. You should play the notes correctly at the proper time.

Grade

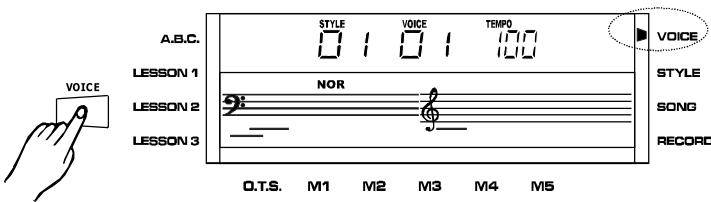
LESSON 1, LESSON 2 and LESSON 3 all have the grading function. During the lesson mode, the LCD will display your score and tell you what level you are at.

There are four levels:

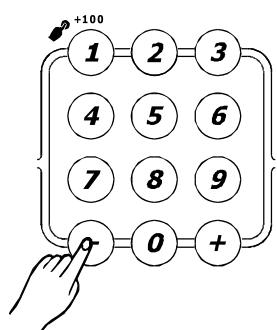
Level One:	80-100	excellent
Level Two	60-79	very good
Level Three	30-59	good
Level Four	below 30	ok

After the results are given by the keyboard, the song plays again and remains in Lesson mode.

Selecting and Playing a Voice



The keyboard has 128 voices that you can select and play on the keyboard. Before you select a voice, make sure you have selected VOICE mode. Press the [VOICE] button to select the VOICE mode.

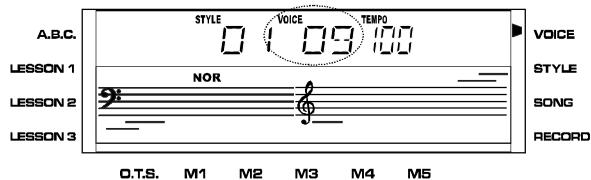


The [-/OFF] and [+/ON] Buttons

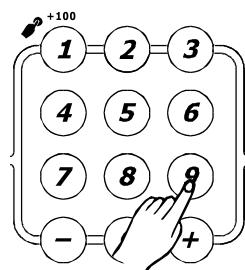
When the VOICE mode is selected, these buttons step up or down through the voice list. Press these buttons briefly to step to the next voice in the corresponding direction, or hold the button to scroll rapidly through the voices in the corresponding direction.

The selected voice number shows on the display.

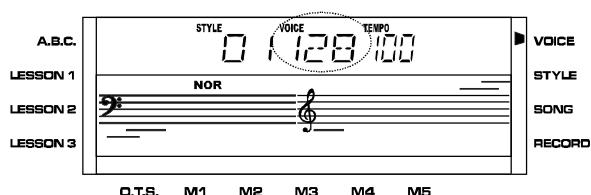
The Number Buttons



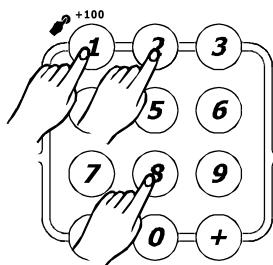
The number buttons can be used to directly enter the number of the desired voice, thereby immediately selecting the voice without having to step through a number of other voices.



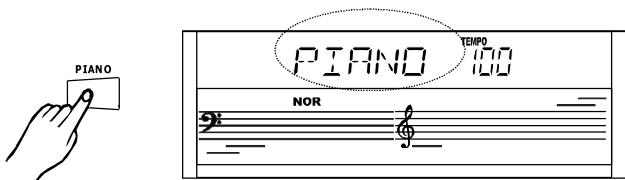
- When selecting a voice 01-99, you can directly use the number keys [0-9] to input the voice number.



- To select a voice 100-128, press the number key [1] and hold it for a few seconds. The LCD will then display 1 which indicates one-hundred. After that, use the number keys to input 00-28 for voices 100-128.

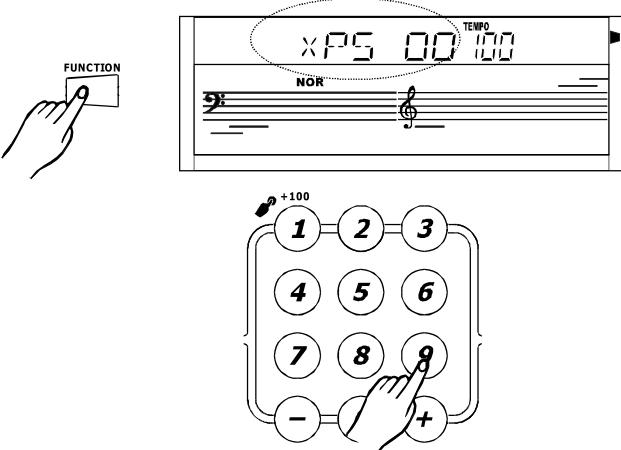


Voices and Effects



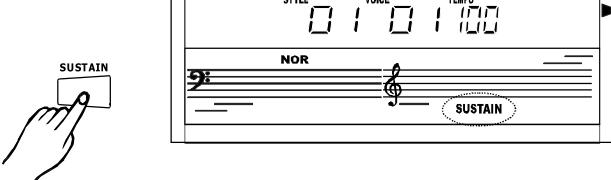
Piano Voice

1. Press [PIANO] to set the entire keyboard to Piano mode. The LCD displays PIANO and the voice is changed to piano immediately.
2. The piano mode does not function when the style is playing. Press [PIANO] again or [FUNCTION], [DEMO] [VOICE], [O.T.S.], [PLAY/STOP], [SONG], [STYLE], [RECORD] and the memory keys will make the keyboard exit PIANO mode. The LCD and the voice will go back to the previous settings.
3. If you don't use the [PIANO] to exit, the voice will remain as the piano voice.



Transpose

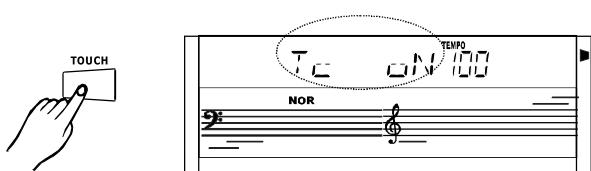
Press [FUNCTION], and the LCD will display: XPS 00. Use the [+] or [-] to shift the pitch in intervals of ±6 semitones.



Sustain Voice

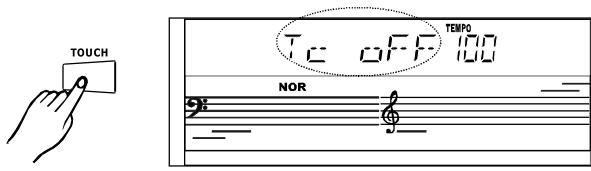
1. After powering on, the Sustain function is automatically set to off.
2. Press the [SUSTAIN] button to shift the SUSTAIN ON/OFF status and the SUSTAIN indicator on the LCD will light on or off in this mode.

Touch

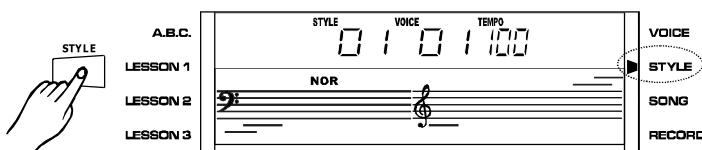


There are 16 velocity levels. After powering on, the Touch function is automatically set to ON.

1. Press the [TOUCH] button and the LCD displays TC ON.
2. Press the [TOUCH] button again and the LCD displays TC OFF.

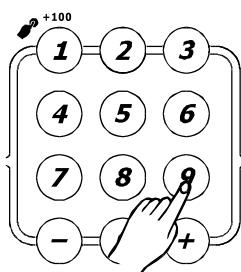
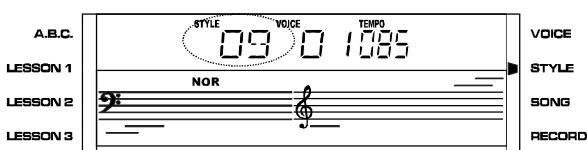


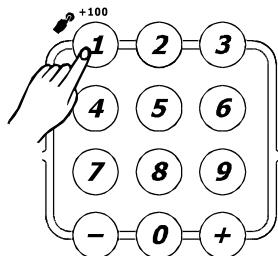
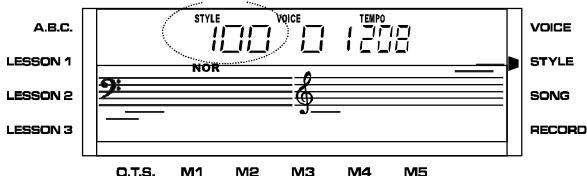
Selecting a Style



The keyboard has 100 different Auto-Accompaniment styles that can be used to provide fully-orchestrated accompaniment. The sophisticated Auto-Accompaniment system can provide automated bass and chord backing that is perfectly matched to the selected accompaniment style.

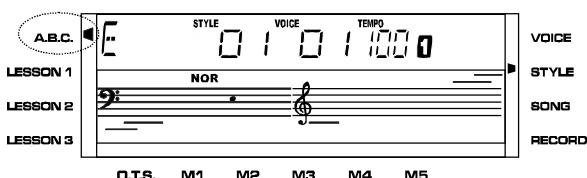
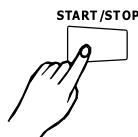
1. After powering on, the style is automatically set to number one. When you press [STYLE] button, you can use [+]/[-] or the number keys to select the desired style.
2. When selecting styles 01-99, you can directly use the number keys [0-9] to input the voice number.





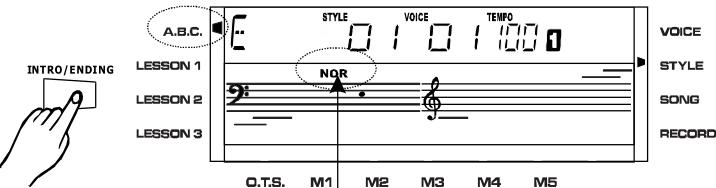
- To select a style above 100, you can press the number key [1] and hold it for a few seconds.
- When a style is playing, you can select a new style at any time. The number of the new style will display on the LCD immediately. If the style changes at beat one, the new style will play at once; if the style changes at any other beat, the new style will start playing from the next measure. The new style will play with the old tempo.

Playing a Style



Playing a Selected Style

- Start a style**
Press [**START/STOP**] button, and the drum part of the style will play at once. When the ABC is on, you can hear the drum part as well as the bass and chord after you play a chord.
- Sync start**
Press [**SYNC**] button and the beat indicator will flash at the speed of the current tempo. You can start playing the song by tapping any keys on the keyboard when the ABC is off.
You can only start the style with the chord and bass by tapping a chord in the chord range of the keyboard when ABC is on.



The remark is flashing

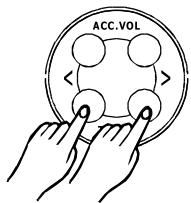
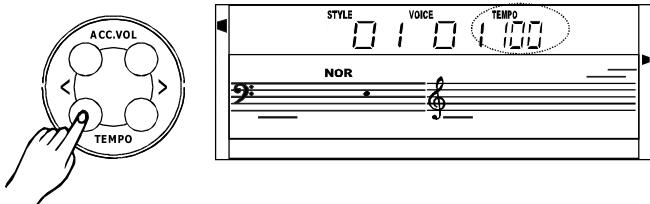
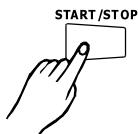
3. Press the [INTRO/ENDING] before selecting a style:

The style will enter NORMAL or VARIATION after playing an intro. You can insert a fill in and enter two different status': NORMAL and VARIATION by using [FILL-IN A] and [FILL-IN B] respectively.

You can also use the [INTRO/ENDING] to stop the style when the style is playing at end.

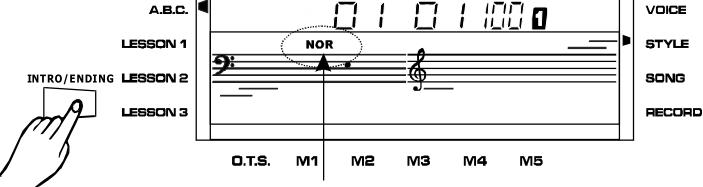
4. Stop a style:

Press [START/STOP] to stop the playing style.



Set the tempo

Press [TEMPO+] and [TEMPO-] buttons to change the style tempo. (Ranging from 30-280).



The remark is flashing

When style stops, the tempo will change with the style automatically to the default tempo.

When style is playing, the tempo will not change with the style.

At this time, pressing both [TEMPO+] and [TEMPO-] simultaneously will change the tempo to change the style's default tempo value.

Style control

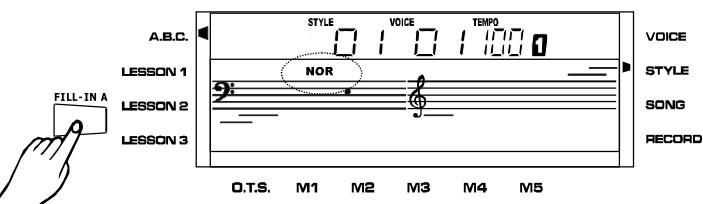
1. INTRO:

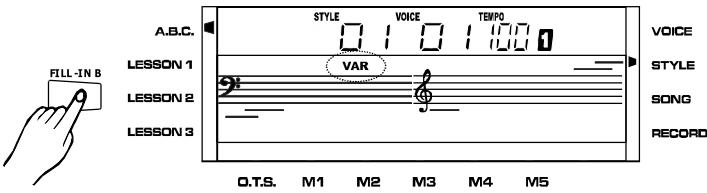
To start an intro, you can press [START/STOP] or [SYNC], and then press [INTRO/ENDING].

If you press a valid chord, you will hear an intro which leads you into the main style. An indicator of either NOR or VAR will flash on the LCD while the intro is playing.

2. FILL-IN A:

When the style is playing, you can press [FILL-IN A] to enter normal status. When Fill-In is playing, the indicator NOR will be flashing on the LCD.

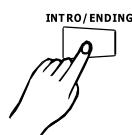




3. FILL-IN B:

When the style is playing, you can press [**FILL-IN B**] to enter the variation status.

When Fill-In is playing, the indicator VAR on the LCD is flashing



4. ENDING:

When the style is playing, you can press [**INTRO/ENDING**] to play an ending. Normally the style ends with the ending.

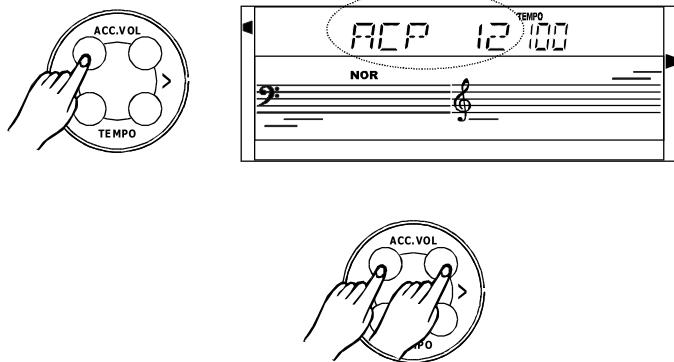
You can use the [**FILL-IN A**][**FILL-IN B**] to make the style go back to the normal or variation status.

The indicator NOR or VAR on the LCD will flash when an ending is playing.

Accomp Volume

1. Press [**ACC.VOL+**]/[**ACC.VOL-**] button to change the style volume.
The LCD will display: ACP XX. The range is from 0 to 15. These buttons are inactive during SONG mode.

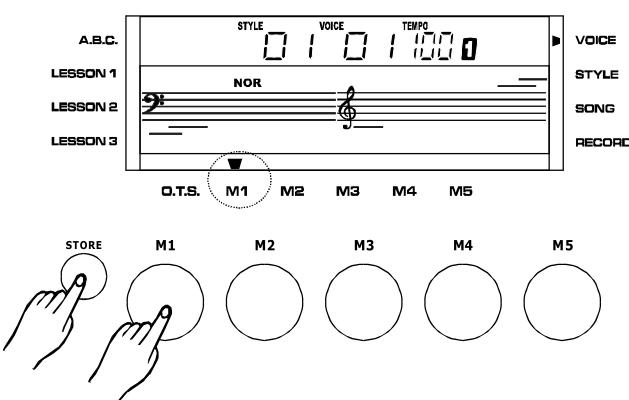
2. Press both [**ACC.VOL+**] and [**ACC.VOL-**] at the same time, it will set the accompaniment volume back to default level 12.



Memory

1. There are 5 memory spaces in the keyboard.

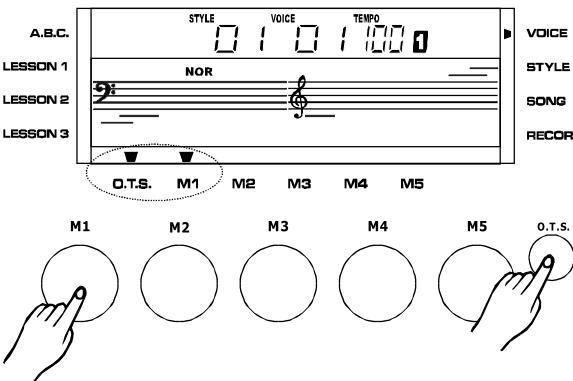
2. Press [**STORE**], hold and then press [**M1**] or [**M2-M5**] and you can store voice, style, tempo, accomp. volume, sustain, touch and functions to [**M1**] (or [**M2-M5**]) to memory. You can easily recall them by pressing the button once during the performance.



NOTE:

- The memory data will change to its default powering off.

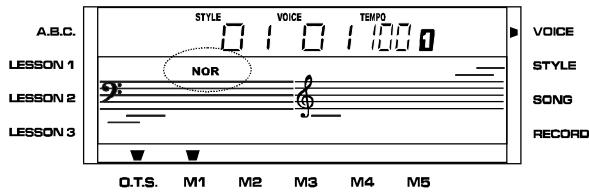
One Touch Settings



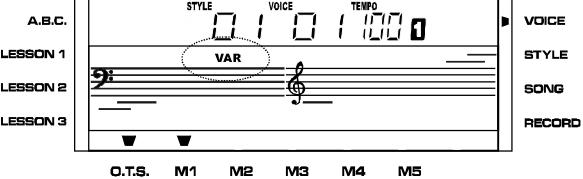
Using the O.T.S. buttons to select the desired voices to the match the style. Each style has 4 sets of O.T.S. Settings.

Press the [O.T.S.] button to change to O.T.S. setting. The indicators O.T.S. and M1 both light up on the LCD.

[M1] and [M2] are used for normal.



[M3] and [M4] are used for variation.



[M5] is not used here.

Press [O.T.S.] again to exit the O.T.S. mode. Now the [M1-M5] spaces are used as memory registers again.

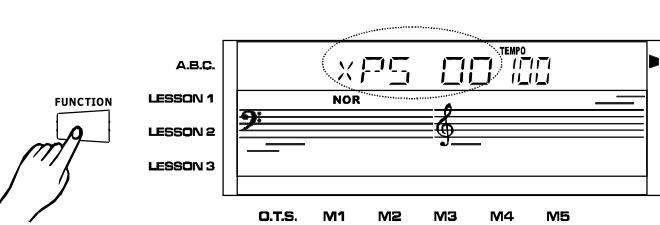
NOTE:

- You can only use the memory in O.T.S. mode.

Function Select

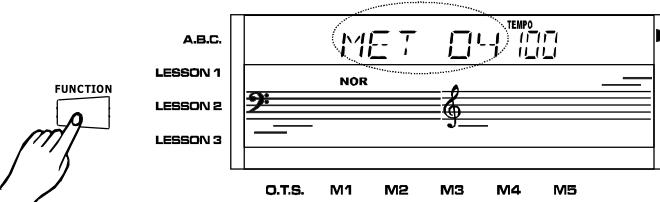
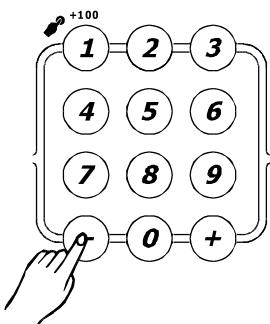
Function Parameters

Contents	LCD Display	Range	Default
TRANSPOSE	XPS 00	-6-+6	0
BEAT	MET 04	00, 02-09	04
MIDI	CHA 01	01-16	01
EFFECT	EFF ON	ON/OFF	OFF



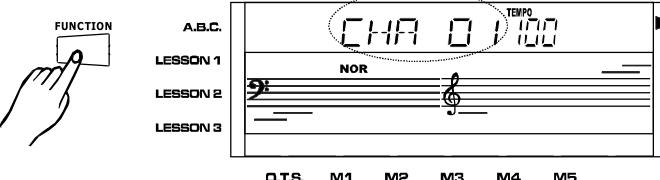
Accomp Volume

Press the [FUNCTION] button and the LCD displays XPS 00, then use the [+]/[-] to change the transpose value from -6 to +6.



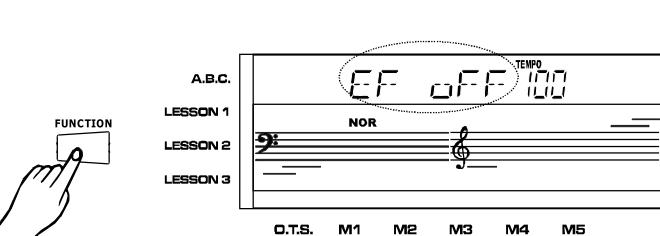
Beat

Press the [FUNCTION] button two times and the LCD displays: MET 04, then use the [+]/[-] to change the metro beat 0, 2, 3, 4, 5, 6, 7, 8, 9.



MIDI Channel

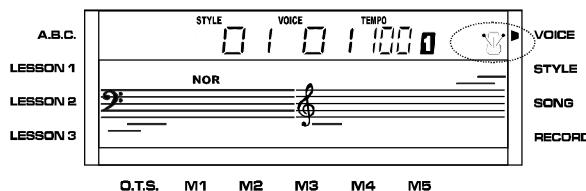
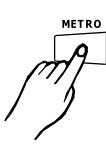
Press the [FUNCTION] button three times and the LCD displays: CHA XX, then use the [+]/[-] to change the MIDI out channel ranging from 01 to 16.



Effect

Press the [FUNCTION] button four times and the LCD displays: EFF OFF, then use the [+]/[-] to change the effect to on or off.

Metronome



Press the **[METRO]** button, the metronome will work as the current tempo, and the beat dot will flash in time with the tempo. The tempo can be changed. Press the **[METRO]** button again to turn the metronome off.

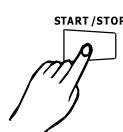
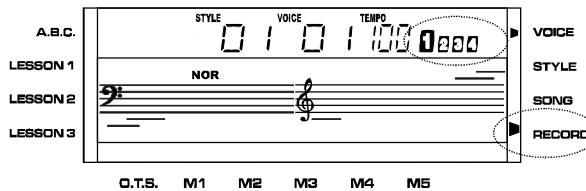
The beat count follows a style when a style is playing. The value remains in beat when the style is stopped.

The metronome is inactive during SONG and DICT mode.

NOTE:

- When recording, you can turn the metronome on but it will not be recorded.

Record and Playback



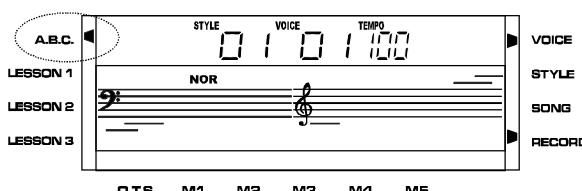
Record

1. Ready Recording:

Press the **[RECORD]** button, and the RECORD indicator on the LCD lights up. Four beat dots will flash together indicating that it is in Ready Record mode. You can now change the voice style and so on before you start recording.

2. Start Recording:

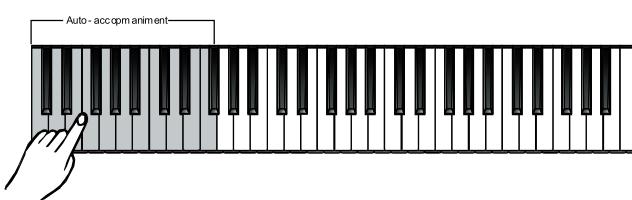
In Ready Record mode, press **[START/STOP]** to start the style and enter recording mode. You can use the **[START/STOP]** to start or stop the style during recording.



In Record Ready mode, you can enter the recording mode by pressing the keyboard.

When ABC is turned on, you can press the keys on the chord area to start the style directly.

(When ABC is off, you can start the style only by the **[START/STOP]** button.)



In Record Ready mode, the **[SYNC]** button is inactive.

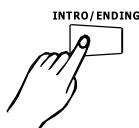


3. Finish Record:

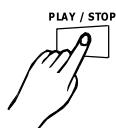
Press [RECORD] button to stop recording.

FULL

If the recording memory is full, the recording stops automatically and the LCD displays: FULL for a few seconds.



When style is playing, press the [INTRO/ENDING] button.
When ending is over, the recording stops automatically.



When recording stops, press [PLAY/STOP] to playback your recording.

Press [PLAY/STOP] again to stop playback.

Playback

- NOTE:**
- The data in the memory will be lost if you turn off the keyboard.
You can only record one track and the re-recording operation will replace the old one.

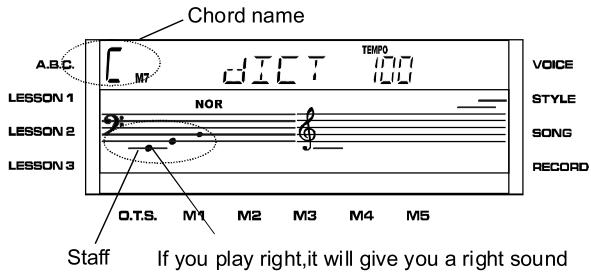
Record and Playback

You can use this to learn how to play chords. You can not enter the DICTIONARY mode when metro, song or style is on.

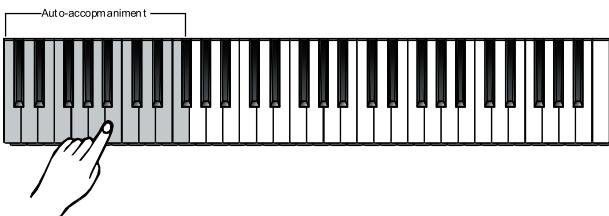
Operation Guide

1. Press the [CHORD DICTIONARY] button, and the LCD displays DICT. The default chord is CM.

2. Press any keys on chord area or press the corresponding keys according to the label showing the chord root and chord type. The LCD will give you the right keys you should play.



3. Press the keys according to the LCD. If you play right, the keyboard will give a sound indicator.

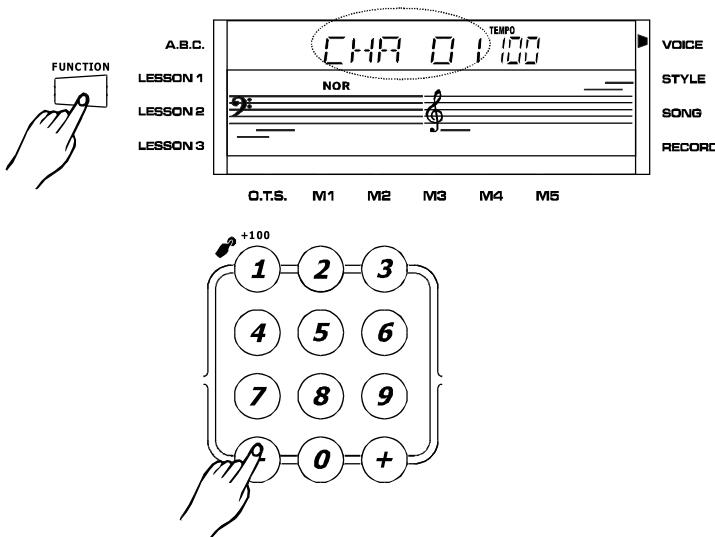


MIDI

What is MIDI?

MIDI stands for Musical Instrument Digital Interface. MIDI is a worldwide standard that makes it possible for various electronic musical instruments and other devices such as computers to 'communicate'.

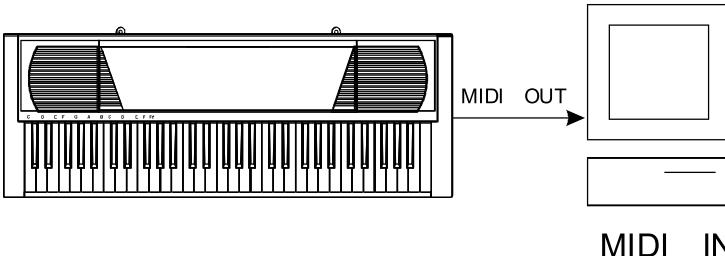
The keyboard is equipped with MIDI OUT terminals, which are located on the rear panel.



MIDI OUT

The keyboard can send out several kinds MIDI messages (such as: PROGRAM CHANGE, NOTE, PITCH BEND and so on). Refer to the MIDI Chart list.

You can change the MIDI OUT channel. Press the [FUNCTION] button two times and the LCD displays CHA XX, then use the [+]/[-] to change the MIDI OUT channel ranging from 01-16.



All messages can be output wherever there is a transpose, a MIDI channel change or start the demo.

Specifications

Keys:	61 keys with Touch Response
LCD Display:	Multi-function LCD
Voices:	128 voices, among them, 121 PCM voices, 6 Chinese voices and one drum kit
Styles:	100 Styles
Song:	100 songs of different styles. They can be used in three different modes (Lesson 1, Lesson 2, Lesson 3)
DEMO Song:	6 demo songs
Overall Controls:	Transpose, Beat, Split Point, Pitch Bend, Effect, MIDI Channel, Metronome, Lesson, O.T.S., Touch, Store, Chord Dictionary, Piano
Accompaniment Control:	Sync, Start/Stop, Fill-In A/Fill-In B, Intro/Ending
Other Controls:	Record & Playback
Connectors:	DC 12V, Phones, AUX OUT, MIDI OUT
Weight:	10.8 lbs (4.9 kg) (without batteries)
Dimensions:	36 x 13.2 x 5.3 inches (915[W] x 335[D] x 135[H] mm)

Appendix 1 - Voice List

PC	GENERAL MIDI	PC	GENERAL MIDI	PC	GENERAL MIDI	PC	GENERAL MIDI
1	(Grand) Piano 1	33	Acoustic Bass	65	Soprano Sax	97	FX 1 (rain)
2	(Bright) Piano 2	34	Finger Bass	66	Alto Sax	98	FX 2 (soundtrack)
3	(El. Grd) Piano 3	35	Picked Bass	67	Tenor Sax	99	FX 3 (crystal)
4	Honky-tonk Piano	36	Fretless Bass	68	Baritone Sax	100	FX4 (atmosphere)
5	El. Piano 1	37	Slap Bass 1	69	Oboe	101	FX 5 (brightness)
6	El. Piano 2	38	Slap Bass 2	70	English Horn	102	FX 6 (goblins)
7	Harpsichord	39	Synth Bass 1	71	Bassoon	103	FX 7 (echoes)
8	Clavi	40	Synth Bass 2	72	Clarinet	104	FX 8 (sci-fi)
9	Celesta	41	Violin	73	Piccolo	105	Sitar
10	Glockenspiel	42	Viola	74	Flute	106	Banjo
11	Music Box	43	Cello	75	Recorder	107	Shamisen
12	Vibraphone	44	Contrabass	76	Pan Flute	108	Koto
13	Marimba	45	Tremolo Strings	77	Blown Bottle	109	Kalimba
14	Xylophone	46	Pizzicato Strings	78	Shakuhachi	110	Bag pipe
15	Tubular Bells	47	Orchestral Harp	79	Whistle	111	Fiddle
16	Santur	48	Timpani	80	Ocarina	112	Shanai
17	Drawbar Organ	49	String Ensemble 1	81	Lead 1 (square)	113	Tinkle Bell
18	Percussive Organ	50	String Ensemble 2	82	Lead 2 (sawtooth)	114	Agogo
19	Rock Organ	51	Synth Strings 1	83	Lead 3 (calliope)	115	Steel Drums
20	Church Organ	52	Synth Strings 2	84	Lead 4 (chiff)	116	Woodblock
21	Reed Organ	53	Choir Aahs	85	Lead 5 (charang)	117	Taiko Drum
22	Accordion (french)	54	Voice Oohs	86	Lead 6 (voice)	118	Melodic Tom
23	Harmonica	55	Synth Voice	87	Lead 7 (fifths)	119	Synth Drum
24	Tango Accordion	56	Orchestra Hit	88	Lead8 (bass+lead)	120	Gt. Fret Noise
25	Ac. Guitar (nylon)	57	Trumpet	89	Pad 1 (fantasia)	121	Breath Noise
26	Ac. Guitar (steel)	58	Trombone	90	Pad 2 (warm)	122	Qudi
27	El. Guitar (jazz)	59	Tuba	91	Pad 3 (polysynth)	123	Xiao
28	El. Guitar (clean)	60	Muted Trumpet	92	Pad 4 (choir)	124	Erhu
29	El. Guitar (muted)	61	French Horn	93	Pad 5 (bowed)	125	Guzheng
30	Overdriven Guitar	62	Brass Section	94	Pad 6 (metallic)	126	Pipa
31	Distortion Guitar	63	Synth Brass 1	95	Pad 7 (halo)	127	Sona
32	Guitar harmonics	64	Synth Brass 2	96	Pad 8 (sweep)	128	Drum Set

Appendix 2 - Style List

No.	Style
	8 Beat
01	8 Beat 1
02	8 Beat 2
03	8 Beat 3
04	8 Beat 4
05	8 Beat Pop
06	8 Beat Ballad
07	8 Beat Rock
	16 BEAT
08	16 Beat 1
09	16 Beat 2
10	16 Beat 3
11	16 Beat Pop
12	16 Beat Shuffle
13	16 Beat Funk
14	Ballad
15	Slow Ballad
16	Funk Ballad
17	16 Beat Ballad
	ROCK 1
18	Rock
19	Rock 'N' Roll 1
20	Rock 'N' Roll 2
21	Slow Rock 1
22	Slow Rock 2
23	Hard Rock
24	Heavy Metal
25	6/8 Rock
26	Jazz Rock
	FUNK & SOUL
27	Funk
28	Funky Pop
29	Soul 1
30	Soul 2
31	Soul Shuffle
32	R & B 1
33	R & B 2
34	6/8 Gospel
35	Pop Groove

No.	Style
	ROCK 2
36	Boogie Woogie
37	Blues Boogie
38	Blues
39	Shuffle
40	Blues Shuffle
41	Rock Shuffle
42	50's Rock
43	Twist
44	Charl
	DANCE
45	Disco 1
46	Disco 2
47	Disco Funk
48	Dance 1
49	Dance 2
50	House 1
51	Rap 1
52	Rap 2
53	Euro Beat
54	Hip Hop
55	Techno 1
56	Techno 2
57	Fusion
	JAZZ & SWING
58	Swing 1
59	Cool Jazz
60	Pop Swing
61	Swing Fox
62	Jazz Ballad
63	Big Band 1
64	Big Band 2
65	Jazz Waltz
66	Ragtime
67	Dixieland
68	Foxtrot
69	Quick Step

No.	Style
	COUNTRY
70	Country 1
71	Country 2
72	Pop Country
73	Country Rock
74	Country Ballad
75	Country Shuffle
76	Bluegrass
	LATIN
77	Bossa Nova 1
78	Bossa Nova 2
79	Rhumba
80	Rop Rhumba
81	Cha Cha 1
82	Cha Cha 2
83	Samba
84	Jazz Samba
85	Beguine
86	Mambo
87	Tango
88	Salsa
89	Reggae
90	Pop Reggae
	TRADITIONAL
91	March 1
92	March 2
93	German March
94	6/8 March
95	Polka
96	Polka Pop
97	Waltz
98	Slow Waltz
99	Vienna Waltz
100	Musette

Appendix 3 - Song List

No.	Song Name
Classic	
01	Cannon
02	Thais Meditation
03	Old France
04	Minuet
05	Ode To Joy
06	Wiegenlied
07	"The Surprise" Symphony
08	Swan Lake
09	Spring From "The Four Seasons"
10	Habanera From "Carmen"
11	Joy To The World
12	Toy Symphony
13	Humoreske
14	Kuckuckswalzer
Favorite	
15	Long, Long Ago
16	Old Folks At Home
17	Oh! Susanna
18	Jeannie With The Light Brown Hair
19	Bill Bailey Won't You Come Home
20	Annie Laurie
21	From The New World
22	The Yellow Rose Of Texas
23	Ave Maria
24	My Old Kentucky Home
25	Turkey In The Straw
26	Deck The Halls
27	Grandfather's Clock
28	America The Beautiful
29	The Sideway
30	The Entertainer
31	The Old Gray Mare
32	Aloha Oe
33	Solveig's Song
34	Camptown Races
35	Carry Me Back To Old Viginia
36	The Blue-Bells Of Scotland
37	O'Solo Mio
38	Jingle Bells
39	Battle Hymne Of The Republic
40	Silent Night
Folk	
41	О го н е к
42	Aula Lee
43	House Of The Rising Son
44	Danny Boy
45	I've Been Working On The Railroad
46	In The Rain
47	She Wore A Yellow Ribbon
48	My Bonnie
49	Yankee Doodle
50	Red River Valley
51	Auld Lang Syne
52	When The Saints Go Marching In
53	Twinkle Twinkle Little Star
54	Happy Birthday To You
55	Little Brown Jug
56	Michael Row The Boat Ashore
57	Old King Cole
58	Jamaica Farewell
59	Т р о й к а
60	Cielito Lindo
61	If You're Happy And You Know It, Clap Your Hands

No.	Song Name
62	American Patrol
63	When Johnny Comes Marching Home
64	Green Sleeves
65	Santa Lucia
66	Szla Dzieweczka
Kid's Song	
67	Angels We Have Heard On High
68	Skip To My Lou
69	London Bridge Is Falling Down
70	Humpty Dumpty
71	Home On The Range
72	This Old Man
73	Butterfly
74	Ten Little Indians
75	Polly-Wolly-Doodle
76	Santa Claus Is Coming To Town
77	Sippin Cider Through A Straw
78	La Cucaracha
79	Home Sweet Home
80	Up On The House Top
Ballroom	
81	Kuerchake
82	Samba
83	Tango Of Cuba
84	Russian
85	Polka
Piano	
86	All Kind Of My Everything
87	Rondeau
88	Reggae
89	Impromptu
90	Jesus, Saviour Pilot me
91	Gavotte
92	Nocturne
93	Pizzicato Polka
94	Musical Moments
95	Valse No.6 "Petit Chien"
96	Did You Ever See a Lassie
97	Invention a 2 Voix
98	End Of Summer
99	Alaif
100	Chrysant

Appendix 4 - DEMO List

No.	DEMO Name
1	All Kind Of My Everything
2	Russian
3	Old France
4	Jingle Bells
5	Szla Dzieweczka
6	Butterfly

Appendix 5 - MIDI Implementation Chart

Function	Transmitted	Remarks
Basic Channel	Default Changed 1ch 1ch-16ch	
Note Number:	True Voice 28-104 *****	
Velocity:	Note on Note off 16 Levels 00	
Pitch Bend	O	
Control	64 123 O O	Sustain & Pedal All notes off
Program Change:	True 0~127 *****	

Appendix 6 - Chord Table

Chord Name	Chord \(\text{C}\)	Normal Voicing	Chord (C)	Display
C	Major [M]	1-3-5	C	C
C6	Major Sixth [6]	1-(3)-5-6	C6	C6
CM7	Major seventh [M7]	1-3-(5)-7	CM7	CM7
CM9	Major ninth [M9]	1-2-3-(5)-7	CM9	CM7 (9)
Caug	Augmented [aug]	1-3-#5	Caug	Caug
Cm	Minor [m]	1-b3-5	Cm	Cm
Cm6	Minor sixth [m6]	1-b3-5-6	Cm6	Cm6
Cm7	Minor seventh [m7]	1-b3-(5)-b7	Cm7	Cm7
Cm7b5	Minor seventh flatted fifth [m7b5]	1-b3-b5-b7	Cm7b5	Cm7b5
CmM7	Minor major ninth [mM7]	1-b3-b5	CmM7	CmM7
Cdim7	Diminished seventh [dim7]	1-b3-b5-6	Cdim7	Cdim7
C7	Seventh [7]	1-3-(5)-b7	C7	C7
C7sus4	Seventh suspended fourth [7sus4]	1-4-5-b7	C7sus4	C7sus4
C7 13	Seventh thirteenth [7 13]	1-3-(5)-6-b7 or 2-3-5-6-b7	C7 13	C7 (13)
Csus4	Suspended fourth [sus4]	1-5-5	Csus4	Csus4



LIMITED WARRANTY

Who is Providing This Warranty?

- Orbyx Electronics, LLC ("Orbyx"), as the distributor of this NEXXTECH™ product (your "Product").

What Does This Warranty Cover?

- This warranty covers defects in materials or workmanship in your Product under normal use and conditions.

What is the Period of Coverage?

- This warranty covers your Product for 12 months from the original purchase date.

Who Is Covered?

- This warranty covers the original consumer purchaser. Coverage terminates if you sell or otherwise transfer your Product.

What Will We Do To Correct Problems?

- We will repair your Product or replace your Product with a new or reconditioned equivalent product, at our option.

How Do You Get Service?

- Call Orbyx TOLL FREE at 1-866-363-3059 for instructions for obtaining warranty service from Orbyx's authorized service providers.

- Or, return your Product directly to the retail store from which you purchased the Product.

- When you obtain service for your Product, you must provide a purchase receipt (or other proof of the original purchase date) and a description of the defect(s).

What Does This Warranty Not Cover?

- This warranty DOES NOT COVER:

- damage due to misuse, abuse, alteration, unauthorized repair, or accident (such as improper electrical current);
- damage due to "acts of God" (such as lightning) or other contingencies beyond our control;
- cosmetic damage;
- externally generated static, signal reception or antenna problems not caused by your Product; or batteries.

- This warranty also DOES NOT COVER, and in no case will we be liable for, any incidental damages (such as transportation costs to and from an authorized service provider, or loss of time) or consequential damages (such as costs of repairing or replacing other property which is damaged, including tapes, discs, speakers not included with your Product or other accessories, or external electrical systems) resulting from the use of your Product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

- Defacing the serial number, or using your Product for commercial or institutional purposes, voids this warranty.

Are There Other Warranties?

- There are no express warranties other than those expressed herein. Neither the sales personnel nor any other person is authorized to make any other warranties or to extend the duration of any warranties.
- ANY IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY (AN UNWRITTEN WARRANTY THAT A PRODUCT IS FIT FOR ORDINARY USE), ARE LIMITED TO 90 DAYS. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

How Does State Law Apply?

- This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.



LIMITED WARRANTY

ORBYX ELECTRONICS WARRANTY

ORBYX Electronics warrants that this product will be free from defects in materials and workmanship for a period of one (1) year from the date of purchase. Within this period, simply take the product and your proof of purchase to any ORBYX Electronics store or dealer and the product will be repaired without charge for parts and labour. ORBYX Electronics reserves the right to charge for transportation. Any product which has been subject to misuse or accidental damage is excluded from this warranty.

This warranty is only applicable to a product purchased through ORBYX Electronics' company owned stores and dealers and to a product that is presented for repair in a country where ORBYX Electronics offers the product for sale. While this warranty does not confer any legal rights other than those set out above, you may have additional statutory rights which will vary under the laws of the various countries, states, province and other governmental entities in which ORBYX Electronics operates. This warranty is subject to all statutory rights you may have in the country of purchase.

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Imported in Canada for/Importé au Canada pour
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