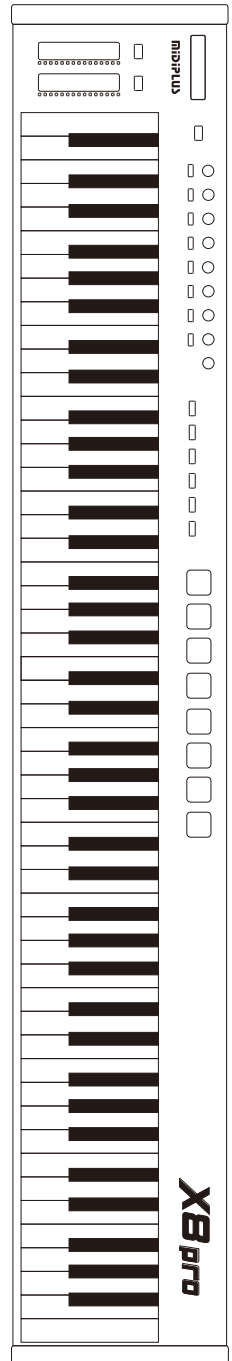
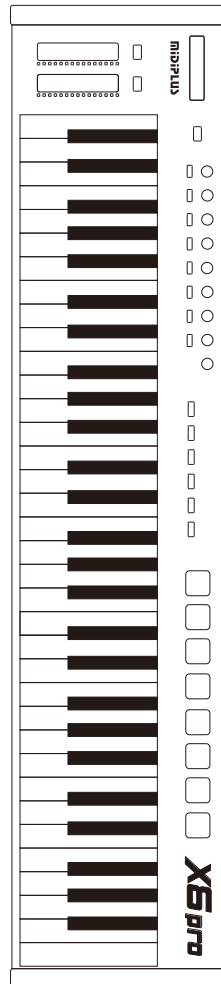


X pro

61 Keyboard/88 Keyboard User Manual



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1.Introduction

Thank you for purchasing **MIDIPLUS** X pro series MIDI keyboard which is not just a MIDI keyboard but is also a keyboard controller with built-in sound sources. X pro series MIDI keyboard has plenty of controls - pads , knobs , buttons and touch faders; 128 high quality ones; a dedicated percussion tone channel; numerous effectors like reverb , chorus , etc . You can connect X pro series MIDI keyboard with USB cable and enjoy music creation anytime . This user manual can help you understand the functions and operations of X pro series MIDI keyboard quickly . Please keep it safely for future references.

2.Safety

To prevent any damages to the unit or any harms to human, please be aware of the below safety advises.

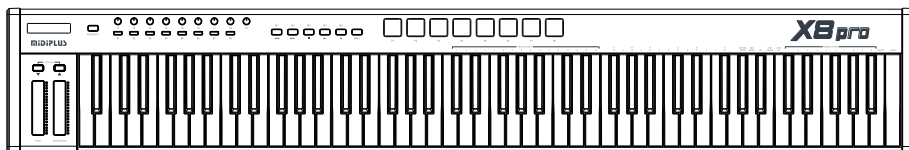
1. Avoid storing or operating the unit in humid environments, e.g. bathroom, swimming pool.
2. Avoid exposing the unit under the sun or high temperature environments, e.g. heat sink, electric heater.
3. Avoid operating the unit in thunderstorm.
4. Do not leave idle unit plugged into the power outlet.
5. Beware of metal fragments dropping into the unit which could short the circuit.
Do not open the unit by yourself. Consult professionals when necessary.
6. Children only operate the unit under adult's guidance.
7. Avoid EMI, do not use the unit near to other electric devices like radio, speaker, television.
8. Do not use gasoline, alcohol and other solvent to clean the unit. Unplug the power and USB and use a piece water-soaked cloth instead.

3.Product Features

- X pro series includes X6 pro and X8 pro which have respectively 61 and 88 full size semi-weight velocity keys.
- Plug and play. USB powered. No external power supply needed.
- Comes with 128 most updated high quality GM tones. No external sound source needed.
- With touch-sensitive control technology for PITCH and MODULATION, provide new experience for you.
- With function editing buttons MIDI / SELECT and octave shifting button OCTAVE.
- 9 editable knob controllers (T1 - T10) for setting CC functions.
- 8 editable button controllers (B1 - B8) for setting tones and CC functions.
- 5 editable button controllers (M1 - M5) for setting MMC transport and CC functions.
- 8 editable velocity-sensitive drum pads (P1 - P8) for setting notes and CC functions.
- With USB (for power and data transmission), sustain pedal, expression pedal, MIDI In, MIDI Out, balanced output L/R, stereo headphone jack (front panel).

4.Operations

4.1.MIDI / SELECT

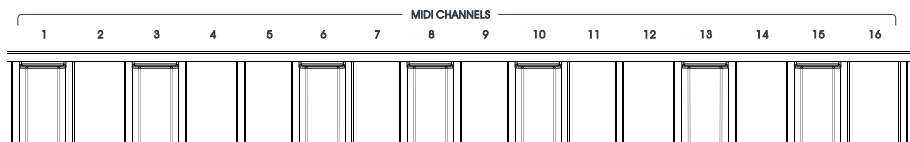


MIDI / SELECT button: Switching between performance mode and sub-function edit mode.

When switched on, the keyboard is in performing mode and the piano keys play notes. Press the MIDI / SELECT button, the keyboard will switch to edit mode (indicator LED glows and LCD display shows "EDIT"). Each piano key functions as what is labelled above it. Select the function you want and press ENTER. Press MIDI / SELECT again and switch back to performance mode. Piano note shifting is not labelled but can be done by using numeric keypad under sub-function edit mode. See Example 3 for detailed instructions.

4.2.Sub-functions under edit mode

4.2.1.Selecting MIDI channels (1 - 16)



For selecting keyboard channels.(Channel 10 for percussion instruments)

4.2.2.Selecting transpose



For selecting piano key transpose.

4.2.3.Other sub-functions



- (1) BUTTON mode: Switching functions of button controllers (B1 - B8) between express tone mode (TONE) and CC function send mode.
- (2) PAD mode: Switching functions of drum pads between note and CC function send mode.

(3) VEL: Key velocity-sensitive curve (1 - 8)

1-2: Light dynamics 3-4: Normal dynamics

5-6: Heavy dynamics 7-8: Settled dynamics

(4) CTRL ASSIGN: Assigning functions to controllers

(TONE: 0 - 127) and CC functions (0-127).

(5) CTRL CHL: Controller channel setting (0 - 16)

N.B. See Appendix 2: List of GM tones for express tone (TONE) details;

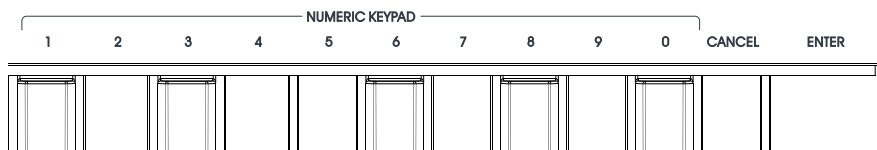
See Appendix 3: List of drum pad tones details;

See Appendix 4: List of drum pad notes details;

See Appendix 5: List of CC controllers for CC function details;

When CTRL CHL is set as 0, the controller is set as full channel and shifts automatically with piano key channel.

4.2.4. NUMERIC KEYPAD, CANCEL and ENTER:



For numeric input cancel and enter when setting
"Other piano key sub-functions".

4.3. Setting functions of knobs and buttons

4.3.1. Knob controllers (T1 - T0)



(1) 9 270 degree potentiometer knobs with backlight

(2) User can customise CC functions on the knobs

(3) Turn left to decrease value while turn right to increase value.

Default functions:

T1-T5 :User-defined function

T6: Pan

T7: Expression control

T8: Reverb

T0: Volume

4.3.2.Button controllers (B1 - B8)



(1) 8 bi-colour LED buttons.can be set to shortcut tone function or CC function.

When the button set to express tone function,the background LED colour is blue,when set to CC function,the background LED colour is white.

(2) For customising express tones and CC functions

Default tones:

B1: 0 Cello

B2: 1 Bright acoustic piano

B3: 25 Folk guitar

B4: 32 Soundtrack bass

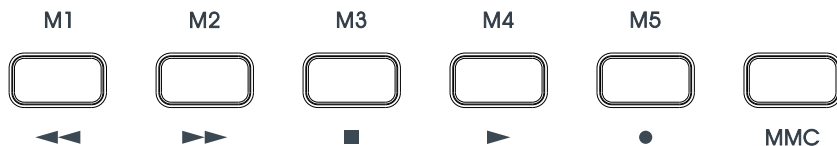
B5: 40 violin

B6: 65 Tenor Saxophone

B7: 71 Clarinet

B8: 45 Multiple strings

4.3.3.Button controllers (M1 - M5)



(1) 5 bi-colour LED On/Off buttons.,can be set to MCC transport or CC function .

(2) MMC buttons using to switch MMC transport and CC customised functions.

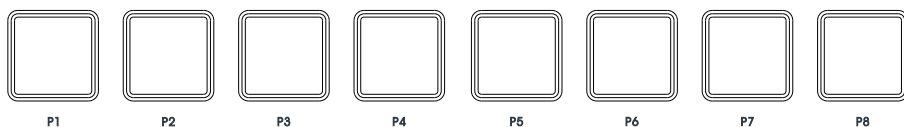
When MMC button is pressed, white light glows and MMC transport function is sent. M1 - M5 button send transport message and the light of them glow blue.

When MMC button is pressed again, white light turns off and CC function is sent.

M1 - M5 glow white.

(3) MMC playback: rewind, forward, stop, play, record.

4.3.4.Drum pad controllers (P1 - P8)



(1) 8 bi-colour LED velocity sensitive drum pads,can be set to notes (Note) or CC function.

(2) When the pad set to notes (Note),light grows blue.When the pad set of CC function,light grows white.

Default notes:

P1:C + 2

P2:C# + 2

P3:D + 2

P4:D# + 2

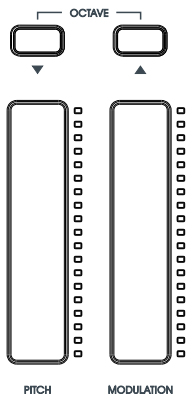
P5:E + 2

P6:F + 2

P7:F# + 2

P8:G + 2

4.4.Jog wheel and OCTAVE Adjusting



4.4.1 .PITCH jog wheel

Use the PITCH jog wheel to make pitch sound effect: Slide up or down to adjust the pitch. Release and reset to default.

4.4.2MODULATION jog wheel

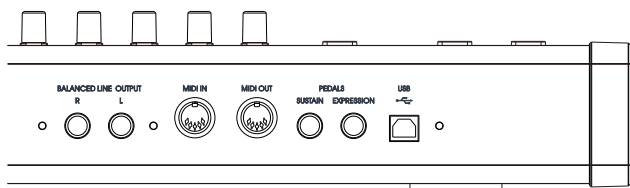
Use the MODULATION jog wheel to make trill effect: Slide up or down to adjust the level of trill.

4.4.3.OCTAVE

Amplitude: (X6 pro: -2 ~ +2 , X8 pro: -1 ~ +1) ;

Press OCTAVE to adjust. Press both buttons and reset to default.

5.Back Panel Interface



5.1 .USB

Connecting X pro series MIDI keyboard to computer and other devices for data transmission and power supply.

5.2.PEDALS (SUSTAIN, EXPRESSION)

Connecting from here to sustain pedals or expression pedals.

5.3.Standard MIDI IN, MIDI OUT

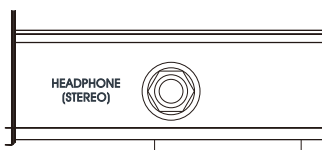
MIDI IN: Input MIDI data from other devices

MIDI OUT: Output MIDI data to other devices

5.4.BALANCED LINE OUTPUT (R/L)

Output to audio equipment

5.5.HEADPHONE (STEREO)



6.Operation Examples

Example 1: Changing channel (e.g. channel 10)

- (1) Press MIDI / SELECT button and get into sub-function edit mode (LED glows and display shows "EDIT").
- (2) Press the piano key below MIDI CHANNEL label 10. Display shows "10" (LED turn off and the selection is effective now).

Example 2: Changing tune (e.g. A)

- (1) Press MIDI / SELECT button and get into sub-function edit mode (LED glows and display shows "EDIT").
- (2) Press the piano key labelled as "A". Display shows "Transpose-3 (A-1)" (LED turn off and the selection is effective now).

Example 3: Changing tone

- (1) Press "MIDI / SELECT" button and get into sub-function edit mode (LED glows and display shows "EDIT").
- (2) Use NUMERIC KEYPAD to input "25" and press ENTER to confirm. Display shows the name and number of the new tone. Change succeeds.
- (3) Press again MIDI / SELECT to go back to performance mode. Display shows tone number and channel number (LED turns off. Piano keys are now changed to tone number 25 and it is memorised).

Example 4: Setting key velocity sensitive curve as "1"

- (1) Press MIDI / SELECT button and get into sub-function edit mode (LED glows and display shows "EDIT").
- (2) Press the piano key labelled VEL. Display shows the current key velocity sensitivity curve value. The default factory value is "4".
- (3) Use " NUMERIC KEYPAD "to input "1" and press ENTER to confirm. Display shows the new value of key velocity sensitive curve. Change succeeds.
- (4) Press again MIDI / SELECT to go back to performance mode. Display shows tone number and channel number (LED turns off. Key velocity sensitive curve is now changed to 1 and it is memorised).

Example 5: Assigning knob controller T0 CC91 for controlling reverb

- (1) Press MIDI / SELECT button and get into sub-function edit mode (LED glows and display shows "EDIT").
- (2) Press the piano key labelled CTRL ASSIGN, switch knob "T0", display shows the CC number of the current active controller.
- (3) Press the piano key labelled with number under the "NUMERIC KEYPAD", input "91" and press ENTER to confirm. Display shows the CC value. Change succeeds.
- (4) Use NUMERIC KEYPAD to input "91" and press ENTER to confirm. Display shows the CC value. Change succeeds.
- (5) Press again MIDI / SELECT to go back to performance mode. Display shows tone number and channel number (LED turns off. Knob T0 is now assigned CC91 for controlling reverb and it is memorised).

Note: Assigning the other knobs in the same way.

Example 6: Assigning knob controller for controlling channel 10

- (1) Press MIDI / SELECT button and get into sub-function edit mode (LED glows and display shows "EDIT").
- (2) Press the piano key labelled CTRL CHL, switch "T0", display shows the channel number of the current active controller.
- (3) Press piano key labelled NUMERIC KEYPAD, input "10" and press ENTER to confirm. Display shows the new channel number. Change succeeds.
- (4) Press again MIDI / SELECT to go back to performance mode. Display shows tone number and channel number (LED turns off. Knob T0 is now assigned for controlling channel 10 and it is memorised).

Note: Assigning the other knobs in the same way.

Example 7: Assigning button B1 as express tone (TONE) / CC function

- (1) Press MIDI / SELECT button and get into sub-function edit mode (LED glows and display shows "EDIT").
- (2) Press the piano key labelled BUTTON MODE to switch express tone / CC function customising mode. MIDI / SELECT button LED turns off when switch succeeds.
Note: Under CC function customising mode, button can only edit CC functions.
Under express tone mode, button can only edit express tone (TONE).
- (3) Press again MIDI / SELECT button and get into sub-function edit mode (LED glows and display shows "EDIT").
- (4) Press the piano key labelled CTRL ASSIGN. Display shows the current CC number.
- (5) Press the piano key labelled NUMERIC KEYPAD ,input the desired express tone (TONE) / CC function number and press ENTER to confirm. Display shows the new express tone (TONE) / CC number. Change succeeds.
- (6) Use NUMERIC KEYPAD to input the desired express tone (TONE) / CC function number and press ENTER to confirm. Display shows the new express tone (TONE) / CC number. Change succeeds.
Note: Assigning the other buttons in the same way.

Example 8: Assigning button controller M1 for sending CC number "51"

- (1) Press MIDI / SELECT button and get into sub-function edit mode (LED glows and display shows "EDIT").
- (2) Press the piano key labelled CTRL ASSIGN, then press M1 , Display shows the CC number of the current active controller.
- (3) Press the piano key labelled NUMERIC KEYPAD ,input "51" and press ENTER to confirm. Display shows the new CC number. Change succeeds.

(4) Use NUMERIC KEYPAD to input "51" and press ENTER to confirm. Display shows the new CC number. Change succeeds.

Note: Assigning the other buttons in the same way.

Example 9: Assigning drum pad controller P1 as express tone/ CC function

(1) Press MIDI / SELECT button and get into sub-function edit mode (LED glows and display shows "EDIT").

(2) Press the piano key labelled PAD MODE to switch express tone / CC function customising mode. MIDI / SELECT button LED turns off when switch succeeds.

Note: Under CC function customising mode, button can only edit CC functions. Under express tone mode, button can only edit express tone (TONE)..

(3) Press again MIDI / SELECT button and get into sub-function edit mode (LED glows and display shows "EDIT").

(4) Press the piano key labelled CTRL ASSIGN. Display shows the current CC number.

(5) Press the piano key labelled NUMERIC KEYPAD , input the desired express tone (TONE) / CC function number and press ENTER to confirm. Display shows the new express tone (TONE) / CC number. Change succeeds.

(6) Use NUMERIC KEYPAD to input the desired express tone (TONE) / CC function number and press ENTER to confirm. Display shows the new express tone (TONE) / CC number. Change succeeds.

Note: Assigning the other buttons in the same way.

N.B.:

1. New setting is saved 10 seconds after it's been completed.
2. Saved setting will be kept even the unit is powered off.

7. Factory reset

1. Power off and unplug the keyboard.
2. Press and hold B1 and B2 at the same time.
3. Connect a USB cable to the keyboard and the display shows "RESET".
Release the buttons after 3 seconds and the keyboard is now reset.

8. Appendices

Appendix 1: Specifications

Product Specifications	
Product names	X6 pro / X8 pro
Piano Key	61/88 velocity sensitive keys
Display	16*2 LCD Display
Tone	128 GM tone
Buttons	MIDI/SELECT, OCTAVE, Buttons (B1 - B8), Drum pads (P1 - P8) Editable playback (M1 - M5, MMC)
Knobs	T1 - T0 customisable knob controllers
Sockets	USB, PEDALS (SUSTAIN, EXPRESSION), MIDI OUT, MIDI IN, BALANCED LINE OUTPUT(R/L), HEADPHONE (STEREO)
Polyphony	Supports up to 64 polyphonies
Accessories	USB cable, User manual
Weights	X6 pro: 5.5kg X8 pro: 7.5kg
Dimensions	X6 pro: 978*215*74 (mm) X8 pro: 1356*215*74 (mm)

Appendix 2: List of GM Tones

Piano	28 Electric Guitar (muted)
0 Acoustic Grand Piano	29 Overdriven Guitar
1 Bright Acoustic Piano	30 Distortion Guitar
2 Electric Grand Piano	31 Guitar Harmonics
3 Honky-tonk Piano	Bass
4 Rhodes Piano	32 Acoustic Bass
5 Chorused Piano	33 Electric Bass(finger)
6 Harpsichord	34 Electric Bass (pick)
7 Clavichord	35 Fretless Bass
Color percussion	36 Slap Bass 1
8 Celesta	37 Slap Bass 2
9 Glockenspiel	38 Synth Bass 1
10 Music box	39 Synth Bass 2
11 Vibraphone	String
12 Marimba	40 Violin
13 Xylophone	41 Viola
14 Tubular Bells	42 Cello
15 Dulcimer	43 Contrabass
Organ	44 Tremolo Strings
16 Hammond Organ	45 Pizzicato Strings
17 Percussive Organ	46 Orchestral Harp
18 Rock Organ	47 Timpani
19 Church Organ	Ensemble/Chorus
20 Reed Organ	48 String Ensemble 1
21 Accordion	49 String Ensemble 2
22 Harmonica	50 Synth Strings 1
23 Tango Accordion	51 Synth Strings 2
Guitar	52 Choir Aahs
24 Acoustic Guitar (nylon)	53 Voice Oohs
25 Acoustic Guitar (steel)	54 Synth Voice
26 Electric Guitar (jazz)	55 Orchestra Hit
27 Electric Guitar (clean)	

Brass	91 Pad 4 (choir)
56 Trumpet	92 Pad 5 (bowed)
57 Trombone	93 Pad 6 (metallic)
58 Tuba	94 Pad 7 (halo)
59 Muted Trumpet	95 Pad 8 (sweep)
60 French Horn	96 FX 1 (rain)
61 Brass Section	97 FX 2 (soundtrack)
62 Synth Brass 1	98 FX 3 (crystal)
63 Synth Brass 2	99 FX 4 (atmosphere)
Clarinet	100 FX 5 (brightness)
64 Soprano Sax	101 FX 6 (goblins)
65 Alto Sax	102 FX 7 (echoes)
66 Tenor Sax	103 FX 8 (sci-fi)
67 Baritone Sax	Folk instrument
68 Oboe	104 Sitar
69 English Horn	105 Banjo
70 Bassoon	106 Shamisen
71 Clarinet	107 Koto
Flute	108 Kalimba
72 Piccolo	109 Bagpipe
73 Flute	110 Fiddle
74 Recorder	111 Shanai
75 Pan Flute	Percussion instruments
76 Bottle Blow	112 Tinkle Bell
77 Shakuhachi	113 Agogo
78 Whistle	114 Steel Drums
79 Ocarina	115 Woodblock
Synthesis Of Tonic	116 Taiko Drum
80 Lead 1 (square)	117 Melodic Tom
81 Lead 2 (sawtooth)	118 Synth Drum
82 Lead 3 (caliope lead)	119 Reverse Cymbal
83 Lead 4 (chiff lead)	Sound Effects
84 Lead 5 (charang)	120 Guitar Fret Noise
85 Lead 6 (voice)	121 Breath Noise
86 Lead 7 (fifths)	122 Seashore
87 Lead 8 (bass+lead)	123 Bird Tweet
Synthesis Of Timbre	124 Telephone Ring
88 Pad 1 (new age)	125 Helicopter
89 Pad 2 (warm)	126 Applause
90 Pad 3 (polysynth)	127 Gunshot

Appendix 3:List of Drum Pad Tones

1 D#1 High Q	8 A#1 Metronome Bell
2 E1 Slap	9 B1 Acoustic Bass Drum
3 F1 Scratch Push	10 C2 Bass Drum 1
4 F#1 Scratch Pull	11 C#2 Side Stick
5 G1 Sticks	12 D2 Acoustic Snare
6 G#1 Square Clink	13 D#2 Hand Clap
7 A1 Metronome Click	14 E2 Electric Snare
15 F2 Low Floor Tom	39 F4 High Timbale
16 F#2 Closed Hi Hat	40 F#4 Low Timbale
17 G2 High Floor Tom	41 G4 High Agogo
18 G#2 Pedal Hi Hat	42 G#4 Low Agogo
19 A2 Low Tom	43 A4 Cabasa
20 A#2 Open Hi Hat	44 A#4 Maracas
21 B2 Low-Mid Tom	45 B4 Short Whistle
22 C3 Hi-Mid Tom	46 C5 Long Whistle
23 C#3 Crash Cymbal	47 C#5 Short Guiro
24 D3 High Tom	48 D5 Long Guiro
25 D#3 Ride Cymbal 1	49 D#5 Claves
26 E3 Chinese Cymbal	50 E5 Hi Wood Block
27 F3 Ride Bell	51 F5 Low Wood Block
28 F#3 Tambouine	52 F#5 Mute Triangle
29 G3 Splash Cymbal	53 G5 Open Triangle
30 G#3 Cowbell	54 G#5 Mute Triangle
31 A3 Crash Cymbal 2	55 A5 Open Triangle
32 A#3 Vibraslap	56 A#5 Shaker
33 B3 Ride Cymbal 2	57 B5 Jingle Bell
34 C4 Hi Bongo	58 C6 Bell tree
35 C#4 Low Bongo	59 C#6 Castanets
36 D4 Mute Hi Conga	60 D6 Mute Surdo
37 D#4 Open Hi Conga	61 D#6 Open Surdo
38 E4 Low Conga	

Appendix 4: List of Drum Pad Notes

Serial Number	Syllable	Serial Number	Syllable	Serial Number	Syllable	Serial Number	Syllable
0	C-1	32	G# +1	64	E +4	96	C +7
1	C#-1	33	A+1	65	F+4	97	C# +7
2	D-1	34	A# +1	66	F# +4	98	D +7
3	D#-1	35	B+1	67	G+4	99	D# +7
4	E-1	36	C+2	68	G# +4	100	E +7
5	F-1	37	C# +2	69	A+4	101	F +7
6	F#-1	38	D+2	70	A# +4	102	F# +7
7	G-1	39	D# +2	71	B+4	103	G +7
8	G#-1	40	E+2	72	C+5	104	G# +7
9	A-1	41	F+2	73	C# +5	105	A +7
10	A#-1	42	F# +2	74	D+5	106	A# +7
11	B-1	43	G+2	75	D# +5	107	B +7
12	C0	44	G# +2	76	E+5	108	C +8
13	C#0	45	A+2	77	F+5	109	C# +8
14	D0	46	A# +2	78	F# +5	110	D +8
15	D#0	47	B+2	79	G+5	111	D# +8
16	E0	48	C+3	80	G# +5	112	E +8
17	F0	49	C# +3	81	A+5	113	F +8
18	F#0	50	D+3	82	A# +5	114	F# +8
19	G0	51	D# +3	83	B+5	115	G +8
20	G#0	52	E+3	84	C+6	116	G# +8
21	A0	53	F+3	85	C# +6	117	A +8
22	A#0	54	F# +3	86	D+6	118	A# +8
23	B0	55	G+3	87	D# +6	119	B +8
24	C+1	56	G# +3	88	E+6	120	C +9
25	C# +1	57	A+3	89	F+6	121	C# +9
26	D+1	58	A# +3	90	F# +6	122	D +9
27	D# +1	59	B+3	91	G+6	123	D# +9
28	E+1	60	C+4	92	G# +6	124	E +9
29	F+1	61	C# +4	93	A+6	125	F +9
30	F# +1	62	D+4	94	A# +6	126	F# +9
31	G+1	63	D# +4	95	B+6	127	G +9

Appendix 5: List of CC Controllers

0	Bank Select	1	Modulation Wheel or Lever	2	Breath Controller
3	Controller Change #3	4	Foot Controller	5	Portamento Time
6	Data Entry MSB	7	Channel Volume(formerly Main Volum	8	Balance
9	Undefined	10	Pan	11	Expression Controller
12	Effect Control 1	13	Effect Control 2	14	Controller Change # 14
15	Controller Change	16	General Purpose Controller 1	17	General Purpose Controller
18	General Purpose Controller 3	19	General Purpose Controller 4	20	Controller Change #20 - #31
21 - 32	LSB for Control 0 (Bank Select)	33	LSB for Control 1 (Modulation Wheel or Lever)	34	LSB for Control 2 (Breath Controller)
35	LSB for Control 3 (Undefined)	36	LSB for Control 4 (Foot Controller)	37	LSB for Control 5 (Portamento Time)
38	LSB for Control 6 (Data Entry)	39	LSB for Control 7 (Channel Volume, formerly Main Volume)	40	LSB for Control 8 (Balance)
41	LSB for Control 9 (Undefined)	42	LSB for Control 10 (Pan)	43	LSB for Control 11 (Expression Controller)
44	LSB for Control 12 (Effect control 1)	45	LSB for Control 13 (Effect control 2)	46	LSB for Control 14 (Undefined)
47	LSB for Control 15 (Undefined)	48	LSB for Control 16 (General Purpose Controller 1)	49	LSB for Control 17 (General Purpose Controller 2)
50	LSB for Control 18 (General Purpose Controller 3)	51	LSB for Control 19 (General Purpose Controller 4)	52	Controller Change #52 - #63
53-64	Damper Pedal on/off (Sustain)	65	Portamento On/Off	66	Sostenuto On/Off
67	Soft Pedal On/Off	68	Legato Footswitch	69	Hold 2
70	Sound Controller 1 (default Sound Variation)	71	Sound Controller 2 (default Timbre/Harmonic Intens.)	72	Sound Controller 3 (default Release Time)
73	Sound Controller 4 (default Attack Time)	74	Sound Controller 5 (default Brightness)	75	Sound Controller 6 (default Decay Time - see MMA RP-021)
76	Sound Controller 7 (default Vibrato Rate - see MMA RP-021)	77	Sound Controller 8 (default Vibrato Depth - see MMA RP-021)	78	Sound Controller 9 (default Vibrato Delay - see MMA RP-021)
79	Sound Controller 10 (default undefined - see MMA RP-021)	80	General Purpose Controller 5	81	General Purpose Controller 6
82	General Purpose Controller 7	83	General Purpose Controller 8	84	Portamento Control
85	Controller Change #85	86	Controller Change #86	87	Controller Change #87
88	High Resolution Velocity Prefix	89	Controller Change #89	90	Controller Change #90
91	Effects 1 Depth (default Reverb Send Level - see MMA RP-023) (formerly External Effects Depth)	92	Effects 2 Depth (formerly Tremolo Depth)	93	Effects 3 Depth (default Chorus Send Level - see MMA RP-023) (formerly Chorus Depth)
94	Effects 4 Depth (formerly Celeste [Detune] Depth)	95	Effects 5 Depth (formerly Phaser Depth)	96	Data Increment (Data Entry +1) (see MMA RP-018)
97	Data Decrement (Data Entry -1) (see MMA RP-018)	98	Non-Registered Parameter Number (NRPN) - LSB	99	Non-Registered Parameter Number (NRPN) - MSB
100	Registered Parameter Number (RPN) - LSB	101	Registered Parameter Number (RPN) - MSB	102	Controller Change #102 - #119
103-120	[Channel Mode Message] All Sound Off	121	[Channel Mode Message] Reset All Controllers (See MMA RP-015)	122	[Channel Mode Message] Local Control On/Off
123	[Channel Mode Message] All Notes Off	124	[Channel Mode Message] Omni Mode Off (+ all notes off)	125	[Channel Mode Message] Omni Mode On (+ all notes off)
126	[Channel Mode Message] Mono Mode On (+ poly off, + all notes off)	127	[Channel Mode Message] Poly Mode On (+ mono off, + all notes off)		

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1.前言

感谢你购买**MIDIPLUS** X pro系列MIDI键盘。它不单纯是MIDI键盘，还是一款自带音源的键盘控制器。它拥有丰富控制部件——PAD、旋钮、按键和触摸条，拥有128高品质音色和一个独立打击乐器音色通道，同时有非常丰富的效果器，比如混响，合唱等等，大大的增加了键盘的操控性。你可以通过USB线连接X pro系列MIDI 键盘，随时享受音乐创作的乐趣。本说明书可以帮助你快速了解X pro系列MIDI键盘的功能和操作方法。请妥善保存，以便查阅。

2.安全事项:

请注意以下安全事项，以免损坏设备或者造成人身伤害。

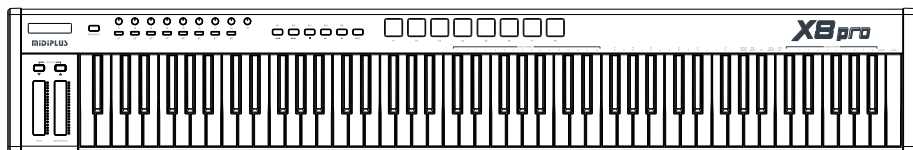
1. 避免在潮湿的环境放置或操作本设备，如浴室，游泳池等。
2. 避免在高温或太阳直射的环境放置本设备，如散热器，暖气机附近。
3. 避免在雷雨天气使用本设备，以防雷击。
4. 若长时间不使用该设备，请断开外部电源连接。
5. 避免小金属块落入设备，从而导致内部电路短路。
6. 请勿自行打开设备内部，如果需要请咨询相关专业人士。
7. 儿童需在成人的指引下使用。
8. 避免在收音机，音箱，电视机及其他设备附近使用本设备，以免引起电磁干扰。
9. 不要使用汽油、酒精以及其它的溶解性溶剂清洗设备，以免造成设备损伤。应用稍微湿润的布擦拭设备；擦拭时，请拔掉外部电源和USB连接线，避免造成电击。

3. 产品特点

- X pro系列具有X6 pro、X8 pro 两个型号，分别拥有61和88个全尺寸半配重力度琴键。
- 即插即用，USB供电，无需连接外部电源即可弹奏。
- 自带128个最新的高品质GM音色，无需连接音源设备。
- 舍弃传统调音轮，采用触摸感应控制技术实现PITCH和MODULATION的触控调节新体验。
- 配有功能编辑按键MIDI/SELECT和八度切换按键OCTAVE。
- 9个可编辑旋钮控制器（T1-T9），用于配置CC功能。
- 8个可编辑按键控制器（B1-B8），用于配置音色快捷（TONE）或CC功能。
- 5个可编辑按键控制器（M1-M5），用于配置MMC走带功能或CC功能。
- 8个带力度感应鼓垫（P1-P8），用于配置音符（Note）信息功能或CC功能。
- 拥有USB接口（供电及信息传输）、延音踏板、表情踏板、MIDI IN、MIDI OUT、平衡输出 L或R、立体声耳机接口（前面板）。

4. 操作介绍

4.1 .MIDI/SELECT按键



MIDI/SELECT按键:演奏模式与副功能编辑模式切换按键。

开机时琴键默认处于演奏模式，按下琴键发送Note信息。按下MIDI/SELECT按键，琴键进入副功能编辑模式（指示灯点亮，显示屏显示“EDIT”），每个琴键上方对应相应的标注功能。选择你所需要的功能，按下“ENTER”确认，再次按下MIDI/SELECT按键完成编辑，琴键返回到演奏模式。

琴键音色切换没有对应标注，可以在副功能编辑模式下直接使用“NUMERIC KEYPAD”进行编辑切换，具体操作请查看本说明书“操作举例三”

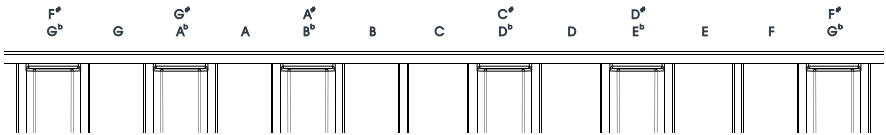
4.2.编辑模式下的副功能

4.2.1.MIDI CHANNELS(1~16)琴键通道选择



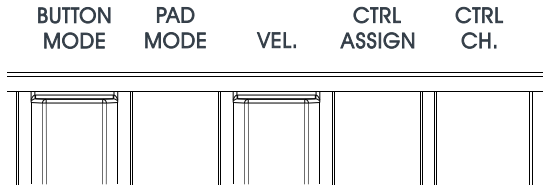
用于琴键通道的选择（通道10为打击乐器通道）。

4.2.2.移调选择



用于移动琴键的调性。

4.2.3.其它琴键副功能



- (1) **BUTTON MODE:**按键控制器(B1~B8)的功能切换，用于切换快捷音色模式(TONE)/CC功能的发送模式。
- (2) **PAD MODE:**鼓垫控制器的功能切换，用于切换成音符(Note)信息/CC功能的发送模式。
- (3) **VEL.:**琴键力度感应曲线切换(调整范围:1-8)。
1-2:轻力度 3-4:正常力度 5-6:重力度 7-8:固定力度

(4) CTRL ASSIGN;控制器功能配置。(CC调整范围:0-127;音色调整范围:0-127)。

(5) CTRL CHL.;控制器通道选择 (调整范围: 0-16) 。

注: 快捷音色 (TONE) 详情请查看《附表2: GM音色一览表》

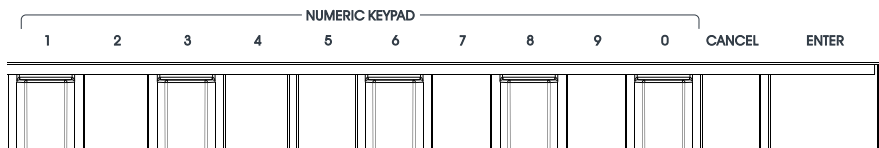
鼓垫音色详情请查看《附件3: 鼓垫音色一览表》

鼓垫音符详情请查看《附表4: 鼓垫音符一览表》

CC功能详情请查看《附表5: CC控制器一览表》

CTRL CHL. (控制通道) 选择0时, 该控制器配置为全局通道, 控制器的通道将自动跟随琴键通道。

4.2.4. NUMERIC KEYPAD、CANCEL和ENTER



用于配置“其它琴键副功能”时用的数字输入、清除和确认。

4.3. 旋钮和按键控制器的配置及功能选择

4.3.1. 旋钮控制器 (T1~T0)



(1) 9个独立270度带背光灯的电位器旋钮。

(2) 用户可自定义CC功能。

(3) 向左减益, 向右增益。

旋钮默认功能:

T1-T5旋钮: 自定义功能

T6旋钮: Pan (声像)

T7旋钮: Expression Controller (表情控制)

T8旋钮: Reverb (混响)

T0旋钮: Volume (音量)

4.3.2. 按键控制器 (B1~B8)



(1) 8个带双色灯按键，可配置成快捷音色功能或CC功能。

(2) 当按键配置成快捷音色功能时，背景灯为蓝色;当按键配置成CC功能时，背景灯为白色。

按键默认音色:

- B1: 0 大钢琴
- B2: 1 明亮的钢琴
- B3: 25 民谣吉他
- B4: 32 原声贝斯
- B5: 40 小提琴
- B6: 65 次中音萨克斯
- B7: 71 单簧管
- B8: 45 弦乐组

4.3.3. 按键控制器 (M1~M5)



(1) 5个带双色指示灯独立控制开关按键,可配置成MMC走带功能或CC功能。

(2) MMC按键用于切换MMC走带功能或CC功能。

按下MMC按键,白灯亮起, (M1~M5) 按键发送MMC走带信息。

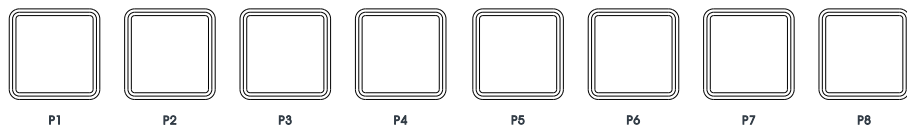
(M1~M5) 按键背景灯为蓝色。

按下MMC按键,白灯熄灭, (M1~M5) 发送CC功能信息。

(M1~M5) 按键背景灯为白色。

(3) MMC走带信息:后退、前进、停止、播放、录音。

4.3.4.鼓垫控制器 (P1~P8)

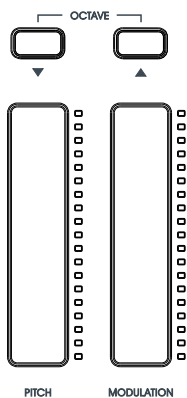


- (1) 8个带双色灯力度感应鼓垫，可配置成音符信息 (Note) 或 CC功能
- (2) 当鼓垫配置成音符信息时，背景灯为蓝色；当鼓垫配置成CC功能，背景灯为白色。

按键默认Note信息:

- P1: C +2 、
- P2: C# +2 、
- P3: D +2 、
- P4: D# +2
- P5: E +2 、
- P6: F +2 、
- P7: F# +2 、
- P8: G +2

4.4.滑轮和八度调节



4.4.1.PITCH滑轮

调制弯音效果: 通过触摸向上滑动, 音高升高; 向下滑动, 音高下降; 松开自动还原到默认值。

4.4.2.MODULATION滑轮

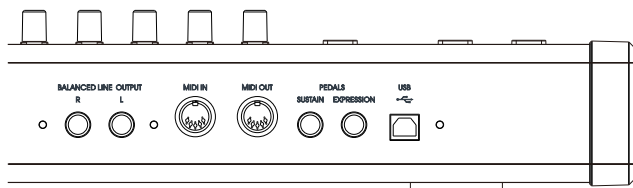
调制颤音效果: 通过触摸向上滑动, 颤音增加; 向下滑动, 颤音减小。

4.4.3.八度调节

幅度为: (X6 pro: -2~+2, X8 pro: -1~+1);

通过按“OCTAVE”按键直接调节, 两个按键同时按下时恢复默认八度。

5.后面板接口简介



5.1.USB接口

X pro系列MIDI键盘与电脑和其它设备连接, 用于信息传输及供电。

5.2.PEDALS (SUSTAIN、EXPRESSION)踏板接口

根据需要, 接入延音踏板和表情踏板。

5.3.标准的MIDI IN、MIDI OUT接口

MIDI IN: 接收其它设备输入的MIDI信息;

MIDI OUT: 将MIDI信息输出给其它设备。

5.4.BALANCED LINE OUTPUT(R、L)平衡输出左右声道接口

用于连接音响等输出设备。

5.5.HEADPHONE (STEREO) 立体声耳机接口



6.操作举例

操作举例一：通道切换（例如：选择通道10）

- (1) 按下MIDI/SELECT按键，进入副功能编辑模式（指示灯点亮，显示屏显示“EDIT”）。
- (2) 按下标注在MIDI CHANNELS下“10”的琴键，显示屏显示所选琴键通道号“10”。（指示灯熄灭，此时所选琴键通道生效）。

操作举例二：移调（例如：变换成A调）

- (1) 按下MIDI/SELECT按键，进入副功能编辑模式（指示灯点亮，显示屏显示“EDIT”）。
- (2) 按下标注“A”的琴键，显示屏显示“Transpose-3 (A-1)”（指示灯熄灭，此时所选移调生效）。

操作举例三：音色切换

- (1) 按下“MIDI/SELECT”按键，进入副功能编辑模式（指示灯点亮，显示屏显示“EDIT”）。
- (2) 通过“NUMERIC KEYPAD”下方标注数字的琴键，输入“25”，再按下“ENTER”标注对应琴键进行确认，显示屏显示更换后音色名称和序号。
- (3) 再次按下“MIDI/SELECT”按键，返回演奏模式，显示屏显示音色编号和通道号。（指示灯熄灭，此时琴键音色改变成“25”号音色且被记忆）

操作举例四: 把琴键力度曲线配置到“1”

- (1) 按下“MIDI/SELECT”按键，进入副功能编辑模式（指示灯点亮，显示屏显示“EDIT”）。
- (2) 按下“VEL.”标注对应琴键，显示屏显示当前力度曲线编号，默认出厂设置下力度曲线编号为“4”。
- (3) 通过右边“NUMERIC KEYPAD”下方标注数字的琴键，输入“1”，再按下“ENTER”标注对应琴键进行确认，显示屏显示更换后力度曲线。
- (4) 再次按下“MIDI/SELECT”按键，返回演奏模式，显示屏显示音色编号和通道号。（指示灯熄灭，此时琴键力度曲线改变成“1”且被记忆）

操作举例五: 配置旋钮控制器“T0”用于CC91 (REVERB)混响效果控制

- (1) 按下“MIDI/SELECT”按键，进入副功能编辑模式（指示灯点亮，显示屏显示“EDIT”）。
- (2) 按下“CTRL ASSIGN”标注对应琴键，转动旋钮“T0”，显示屏显示当前控制器的CC编号。
- (3) 按下“NUMERIC KEYPAD”下方标注数字的琴键，输入“91”，再按下“ENTER”标注对应琴键进行确认，显示屏显示旋钮CC信息。
- (4) 再次按下“MIDI/SELECT”按键，返回演奏模式，显示屏显示音色编号和通道号。（指示灯熄灭，此时旋钮“T0”选配CC91 (REVERB)功能被记忆）

注意: 如需编辑其它旋钮，请模仿上述操作。

操作举例六: 配置旋钮控制器“T0”用于控制通道10

- (1) 按下“MIDI/SELECT”按键，进入副功能编辑模式（指示灯点亮，显示屏显示“EDIT”）。
- (2) 按下“CTRL CHL.”标注对应琴键，转动旋钮“T0”，显示屏显示当前控制器的CC编号。
- (3) 按下“NUMERIC KEYPAD”下方标注数字的琴键，输入“10”，按下“ENTER”标注对应琴键进行确认，显示屏显示更换后通道号，说明设置成功。
- (4) 再次按下“MIDI/SELECT”按键，返回演奏模式，显示屏显示音色编号和通道号。（指示灯熄灭，此时旋钮“T0”选配的控制通道被记忆）

注意: 如需编辑其它旋钮，请模仿上述操作。

操作举例七：配置按键“B1”的快捷音色（TONE）或 CC功能。

(1) 按下“MIDI/SELECT”按键，进入副功能编辑模式（指示灯点亮，显示屏显示“EDIT”）。

(2) 按下“BUTTON MODE”标注对应琴键，切换快捷音色或CC功能模式。

“MIDI/SELECT”按键指示灯熄灭。

注意：当按键为CC功能时，只能编辑其CC功能；

当按键为快捷音色时，只能编辑其快捷音色（TONE）。

(3) 再次按下“MIDI/SELECT”按键，进入副功能编辑模式（指示灯点亮，显示屏显示“EDIT”）。

(4) 按下“CTRL ASSIGN”标注对应琴键，再按下“B1”按键，显示屏显示当前功能编号。

(5) 按下“NUMERIC KEYPAD”下方标注数字的琴键，输入所需要的快捷音色（TONE）或 CC功能编号，再按下“ENTER”标注对应琴键进行确认，显示屏显示设置成功的快捷音色（TONE）或 CC功能信息。

(6) 再次按下“MIDI/SELECT”按键，返回演奏模式，显示屏显示音色编号和通道号。（指示灯熄灭，此时“B1”值被记忆）

注意：如需编辑其它按键，请模仿上述操作。

操作举例八：配置按键控制器“M1”发送CC信息“51”。

(1) 按下“MIDI/SELECT”按键，进入副功能编辑模式（指示灯点亮，显示屏显示“EDIT”）。

(2) 按下“CTRL ASSIGN”，再按下“M1”按键显示屏显示当前控制器的CC编号。

(3) 按下“NUMERIC KEYPAD”下方标注数字的琴键，输入“51”，按下“ENTER”标注对应琴键进行确认，显示屏显示设置成功的CC功能信息，

(4) 再次按下“MIDI/SELECT”按键，返回演奏模式，显示屏显示音色编号和通道号。（指示灯熄灭，此时按键“M1”选配CC功能被记忆）

注意：如需编辑其它按键，请模仿上述操作。

操作举例九：配置鼓垫控制器“P1”为音符信息（Note）功能或 CC功能

- (1) 按下“MIDI/SELECT”按键，进入副功能编辑模式（指示灯点亮，显示屏显示“EDIT”）。
- (2) 按下“PAD MODE”：标注对应琴键，切换音符信息（Note）功能或CC功能，“MIDI/SELECT”按键指示灯熄灭。
注意：当按键为CC功能时，只能编辑其CC功能；
当按键为音符信息（Note）功能时，只能编辑其快捷音色（Note）。
- (3) 再次按下“MIDI/SELECT”按键，进入副功能编辑模式（指示灯点亮，显示屏显示“EDIT”）。
- (4) 按下“CTRL ASSIGN”，再按下鼓垫控制器“P1”，显示屏显示当前功能编号。
- (5) 按下“NUMERIC KEYPAD”下方标注数字的琴键，输入所需要的音符信息（Note）或 CC 编号，再按下“ENTER”标注对应琴键进行确认，显示屏显示设置成功的音符信息（Note）或 CC功能信息。
- (6) 再次按下“MIDI/SELECT”按键，返回演奏模式，显示屏显示音色编号和通道号。（指示灯熄灭，此时“P1”值被记忆）
注意：如需编辑其它鼓垫控制器，请模仿上述操作。

注：1.完成配置琴键数据，在10秒之后才被保存。

2.被保存的数据在下次开机依然保持。

7.恢复出厂设置：

1. 断开电源，键盘处于关机状态下。
2. 同时按下“B1”“B2”两个按键。
3. 再接上USB线启动设备，显示屏显示“RESET”，3秒后松开按键即可恢复出厂设置。

8.附表

附表1：规格表

产品规格	
产品名称	X6 pro/X8 pro
琴键	61 /88 力度感应琴键
显示屏	16*2 液晶显示屏
音色	128个标准GM音色 (Dream 5000)
按键	MIDI /SELECT、OCTAVE组、按键组(B1-B8)、鼓垫按键组(P1-P8)和走带组(M1-M5、MMC)
旋钮	T1-T0可编辑旋钮控制器
插孔	USB,PEDALS(SUSTAIN,EXPRESSION),MIDI OUT MIDI IN ,BALANCED LINE OUTPUT(R,L), HEADPHONE(STEREO)
复音	最大支持64复音
附件	USB连接线，使用说明书
重量	X6 pro: 5.5kg X8 pro: 7.5kg
尺寸	X6 pro: 978*215*74 (mm) X8 pro: 1356*215*74 (mm)

附表2：GM音色一览表

钢琴		色彩打击乐器		风琴	
0	大钢琴	8	钢琴片	16	击杆风琴
1	明亮的钢琴	9	钟琴	17	打击式风琴
2	电钢琴	10	八音盒	18	摇滚风琴
3	酒吧钢琴	11	颤音琴	19	教堂风琴
4	柔和的电钢琴	12	马林巴	20	簧管风琴
5	加合唱效果的电钢琴	13	木琴	21	手风琴
6	羽管钢琴（拨弦古钢琴）	14	管琴	22	口琴
7	科拉维科特琴	15	大杨琴	23	探戈手风琴

吉他		58	大号	93	合成音色6 (金属声)
24	尼龙弦吉他	59	加弱音器小号	94	合成音色7 (光环)
25	民谣吉他	60	法国号 (圆号)	95	合成音色8 (合成效果)
26	爵士电吉他	61	铜管组(铜管乐器合奏音色)	合成效果	
27	清音电吉他	62	合成铜管音色1	96	合成效果1 雨声
28	闷音电吉他	63	合成铜管音色2	97	合成效果2 音轨
29	加驱动效果的电吉他	单簧管		98	合成效果3 水晶
30	加失真效果的电吉他	64	高音萨克斯风	99	合成效果4 大气
31	吉他和音	65	次中音萨克斯风	100	合成效果5 明亮
贝司		66	中音萨克斯风	101	合成效果6 鬼怪
32	大贝司 (原声贝司)	67	低音萨克斯风	102	合成效果7 回声
33	电贝司 (指弹)	68	双簧管	103	合成效果8 科幻
34	电贝司 (拨片)	69	英国管	民间乐器	
35	无品贝司	70	巴松 (大管)	104	西塔尔 (印度)
36	击掌贝司1	71	单簧管 (黑管)	105	班卓琴 (美洲)
37	击掌贝司2	笛		106	三味线 (日本)
38	电子合成贝司1	72	短笛	107	十三弦箏 (日本)
39	电子合成贝司2	73	长笛	108	卡林巴
弦乐		74	竖笛	109	风笛
40	小提琴	75	排箫	110	名族提琴
41	中提琴	76	Bottle Blow (中文名称暂缺)	111	山奈
42	大提琴	77	日本尺八	打击乐器	
43	低音提琴	78	口哨声	112	叮当铃
44	弦乐群颤音音色	79	人奥卡雷那	113	Agogo (中文名称暂缺)
45	弦乐群拨弦音色	合成主音		114	钢鼓
46	竖琴	80	合成主音1 (方波)	115	木鱼
47	定音鼓	81	合成主音2 (锯齿波)	116	太鼓
合奏/合唱		82	合成主音3	117	通通鼓
48	弦乐合奏音色1	83	合成主音4	118	合成鼓
49	弦乐合奏音色2	84	合成主音5	119	铜钹
50	合成弦乐合奏音色1	85	合成主音6 (人声)	声音效果	
51	合成弦乐合奏音色2	86	合成主音7 (平行五度)	120	吉他换把杂音
52	人声合唱“啊”	87	合成主音8 (贝司加主音)	121	呼吸声
53	人声“嘟”	合成音色		122	海浪声
54	成人声	88	合成音色1 (新世纪)	123	鸟鸣
55	管弦乐敲击齐奏	89	合成音色2 (温暖)	124	电话铃
铜管		90	合成音色3	125	直升机
56	小号	91	合成音色4 (合唱)	126	鼓掌声
57	长号	92	合成音色5	127	枪声

附表3: 鼓垫音色一览表

01	D#1	High Q	32	A#3	Vibraslap
02	E1	Slap	33	B3	Ride Cymbal 2
03	F1	Scratch Push	34	C4	Hi Bongo
04	F#1	Scratch Pull	35	C#4	Low Bongo
05	G1	Sticks	36	D4	Mute Hi Conga
06	G#1	Square Clinkl	37	D#4	Open Hi Conga
07	A1	Metronome Click	38	E4	Low Conga
08	A#1	Metronome Bell	39	F4	High Timbale
09	B1	Acoustic Bass Drum	40	F#4	Low Timbale
10	C2	Bass Drum 1	41	G4	High Agogo
11	C#2	Side Stick	42	G#4	Low Agogo
12	D2	Acoustic Snare	43	A4	Cabasa
13	D#2	Hand Clap	44	A#4	Maracas
14	E2	Electric Snare	45	B4	Short Whistle
15	F2	Low Floor Tom	46	C5	Long Whistle
16	F#2	Closed Hi Hat	47	C#5	Short Guiro
17	G2	High Floor Tom	48	D5	Long Guiro
18	G#2	Pedal Hi Hat	49	D#5	Claves
19	A2	Low Tom	50	E5	Hi Wood Block
20	A#2	Open Hi Hat	51	F5	Low Wood Block
21	B2	Low-Mid Tom	52	F#5	Mute Triangle
22	C3	Hi-Mid Tom	53	G5	Open Triangle
23	C#3	Crash Cymbal	54	G#5	Mute Triang le
24	D3	High Tom	55	A5	Open Triang le
25	D#3	Ride Cymbal 1	56	A#5	Shaker
26	E3	Chinese Cymbal	57	B5	Jingle Bell
27	F3	Ride Bell	58	C6	Bell tree
28	F#3	Tambouine	59	C#6	Castanets
29	G3	Splash Cymbal	60	D6	Mute Surdo
30	G#3	Cowbell	61	D#6	Open Surdo
31	A3	Crash Cymbal 2			

附表4：鼓垫音符一览表

序名	音色	序名	音色	序名	音色	序名	音色
0	C-1	32	G#+1	64	E+4	96	C+7
1	C#-1	33	A+1	65	F+4	97	C#+7
2	D-1	34	A#+1	66	F#+4	98	D+7
3	D#-1	35	B+1	67	G+4	99	D#+7
4	E-1	36	C+2	68	G#+4	100	E+7
5	F-1	37	C#+2	69	A+4	101	F+7
6	F#-1	38	D+2	70	A#+4	102	F#+7
7	G-1	39	D#+2	71	B+4	103	G+7
8	G#-1	40	E+2	72	C+5	104	G#+7
9	A-1	41	F+2	73	C#+5	105	A+7
10	A#-1	42	F#+2	74	D+5	106	A#+7
11	B-1	43	G+2	75	D#+5	107	B+7
12	C0	44	G#+2	76	E+5	108	C+8
13	C#0	45	A+2	77	F+5	109	C#+8
14	D0	46	A#+2	78	F#+5	110	D+8
15	D#0	47	B+2	79	G+5	111	D#+8
16	E0	48	C+3	80	G#+5	112	E+8
17	F0	49	C#+3	81	A+5	113	F+8
18	F#0	50	D+3	82	A#+5	114	F#+8
19	G0	51	D#+3	83	B+5	115	G+8
20	G#0	52	E+3	84	C+6	116	G#+8
21	A0	53	F+3	85	C#+6	117	A+8
22	A#0	54	F#+3	86	D+6	118	A#+8
23	B0	55	G+3	87	D#+6	119	B+8
24	C+1	56	G#+3	88	E+6	120	C+9
25	C#+1	57	A+3	89	F+6	121	C#+9
26	D+1	58	A#+3	90	F#+6	122	D+9
27	D#+1	59	B+3	91	G+6	123	D#+9
28	E+1	60	C+4	92	G#+6	124	E+9
29	F+1	61	C#+4	93	A+6	125	F+9
30	F#+1	62	D+4	94	A#+6	126	F#+9
31	G+1	63	D#+4	95	B+6	127	G+9

附表5: CC控制器一览表

0	音色库选择MSB	67	弱音踏板
1	颤音深度 (粗调)	68	连滑音踏板控制器
2	呼吸控制器 (粗调)	69	保持音踏板2
3	N/A	70	变调
4	踏板控制器 (粗调)	71	音色
5	连滑音速度 (粗调)	72	放音时值
6	高位元组数据输入	73	起音时值
7	主音量 (粗调)	74	亮音
8	平衡控制 (粗调)	75--79	声音控制
9	N/A	80--83	一般控制器 (#5-#8)
10	声像调整 (粗调)	84	连滑音控制
11	情绪控制器 (粗调)	85--90	N/A
12--15	N/A	91	混响效果深度
16--19	一般控制器	92	(未定义的效果深度)
20--31	N/A	93	合唱效果深度
32	插口选择	94	(未定义的效果深度)
33	颤音速度 (微调)	95	移调器深度
34	呼吸控制器 (微调)	96	数据累增
35	N/A	97	数据递减
36	踏板控制器 (微调)	98	未登记的低元组数 (NRPN LSB)
37	连滑音速度 (微调)	99	未登记的高元组数值 (NRPN MSB)
38	低位元组数据输入	100	已登记的低元组数值
39	主音量 (微调)	101	已登记的高元组数值 (RPN MSB)
40	平衡控制 (微调)	102--119	N/A
41	N/A	120	关闭所有声音
42	声像调整 (微调)	121	关闭所有控制器
43	情绪控制器 (微调)	122	本地键盘开关
44	效果FX控制1 (微调)	123	关闭所有音符
45	效果FX控制2 (微调)	124	Omni模式关闭
46--63	N/A	125	Omni模式开启
64	保持音踏板1 (延音踏板)	126	单音模式
65	滑音	127	复音模式
66	持续音		

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