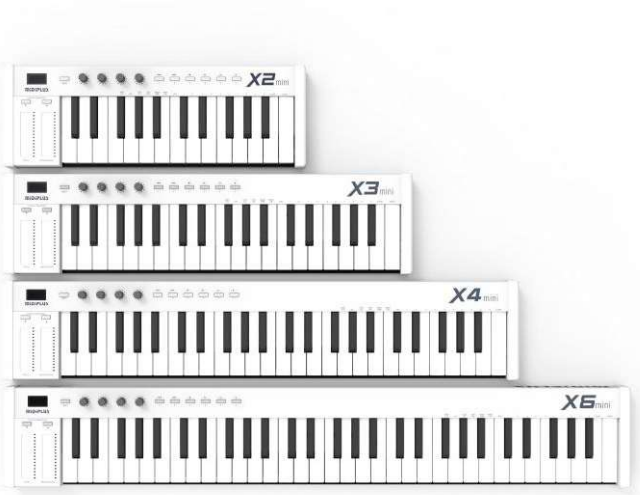
MIDIPLUS

X mini MIDI KEYBOARD

USER'S MANUAL

VERSION 1.0



CATALOG

1. Introduction

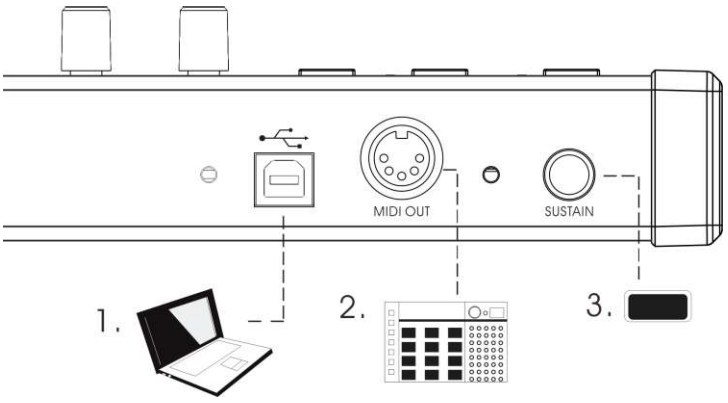
Thank you for buying MIDIPLUS X mini MIDI keyboard. X mini MIDI keyboard has a lot of features and is easy to use. With USB connection, you can enjoy making music whenever you want to. This user handbook can help you quickly understand the features and the operations of X mini MIDI keyboard. Please keep this user handbook carefully for future references.

2. Cautions

Please pay attentions to the below in order to avoid any damage to the unit and any harm to yourself

1. Avoid placing or using the unit in wet environment, e.g. bathroom, swimming pool, etc.
2. Avoid placing or using the unit in high temperature, e.g. under the sun, close to heatsink or heater.
3. Unplug the external power supply when not in use.
4. Beware of metal fragmemts dropping into the unit which could short the circuit.
5. Only professional repairmans are allowed to disassemble the unit.
6. Avoid keeping the unit powered on for a long time.
7. Children should not use the unit without adult's guidance.
8. Avoid using the unit close to radio sets, speakers, TV sets and other EMI sensitive devices.
9. To clean the unit, use a lightly soaked cloth and keep the unit unplugged. Never use gasoline, alcohol and other solvent to clean the unit.
10. Avoid using the unit during a thunderstorm.

3. Connections

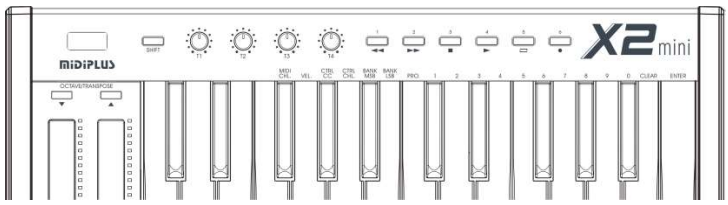


1. USB: Connecting PC and other USB devices for data transmission and power supply
2. MIDI OUT: Stand MIDI output for connecting other MIDI devices.
3. SUSTAIN: Connecting a standard switching sustain pedal

4. Features

1. X mini MIDI keyboards include X2 mini, X3 mini, X4 mini and X6 mini which have 25, 37, 49 and 61 weighted keys respectively.
2. X mini MIDI keyboard is hot plug supported. No driver is needed. It is powered by USB and no external power supply is needed.
3. Capactive touch sensors to control PITCH and MODULATION.
4. Featured with SHIFT for customised functions and OCTAVE/TRANSPOSE.
5. 4 customisable knobs; Default setting: T1 (Volume), T2 (Pan), T3 (Expression Controller), T4 (Reverb).
6. 6 customisable buttons; Default set up for playback.
7. 1 MIDI out, 1 SUSTAIN pedal, 1 USB

5. Operations

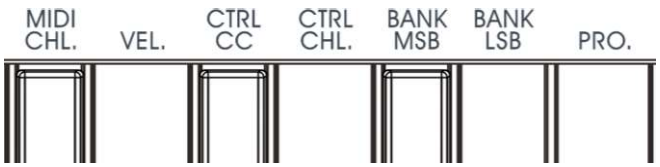


5.1 SHIFT

When switched on, the keyboard is in performing mode and each key functions as labelled above itself. Pressing and holding the SHIFT button, the keyboard will shift to edit mode (LCD display shows "SHF"). Then select your function and press ENTER. Release SHIFT and the keyboard will be back in performing mode.

5.2 Sub-functions under edit mode

5.2.1 Other key sub-functions (Setting will be memorised after setup)

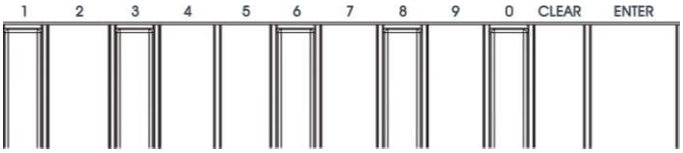


(1) VEL: Key force sensitivity curve (1 - 3)
(2) CTRL CC: Controller CC setting (0 - 127)
(3) CTRL CHL: Controller channel setting (0 - 16)
(4) BANK MSB: Sound library tens adjustment (0 - 127)
(5) BANK MSB: Sound library digits adjustment (0 - 127)

N.B. See the Appendix 2 for CTRL CC functions

When CTRL CHL is set to 0, the controller is set to be full channel. The controller channel will follow the keyboard channel.

5.2.2 NUMERIC KEYPAD, CANCEL and ENTER



For numeric input, cancel and enter when setting other sub-functions.

5.3 Setting up Knobs and Buttons

5.3.1 Default CC functions of knobs

T1: Volume

T2: Pan

T3: Expression Controller

T4: Reverb

Knob functions can be customised in SHIFT edit mode.

5.3.2 Buttons (1 - 6)

Factory setting of the buttions are for MMC playback. You can swtich between MMC and CC mode by pressing SHIFT. In MMC mode, the backlight colour is red. In CC mode, the backlight colour is blue and you can customise the button functions in SHIFT edit mode.

5.4 Examples

5.4.1 Set the piano force sensitivity curve to '2'

1. Press and hold SHIFT and you will be in sub-function edit mode (LCD display shows "SHF").
2. Press the key labelled "VEL" and the display shows the current piano force sensitivity curve setting, The default factory setting is "1".
3. Press "2" on the keypad and press "ENTER".
4. Release SHIFT and back in performing mode. The display shows the current channel. (The piano force is set to "2" now)

5.4.2 Set up knob T1 for CC91 (REVERB control)

1. Press and hold SHIFT and you will be in sub-function edit mode (LCD display shows "SHF").
2. Press the key labelled "CTRL CC" and the display shows the CC value of the active controller.
3. Turn the knob "T1" to make it active. The default value of T1, 7, is shown on the display.
1. Input "91" with the keypad and press "ENTER". The display shows "-" now.
2. Release SHIFT and back in performing mode. The display shows the current channel. (T1 is now set up for CC91 (Reverb control)

5.4.3 Set up knob T1 for controlling channel 10

1. Press and hold SHIFT and you will be in sub-function edit mode (LCD display shows "SHF").
2. Press the key labelled "CTRL CHL" and the display shows the channel number of the active controller.
3. Turn the knob "T1" to make it active. The default channel of T1, 1, is shown on the display.
4. Input "10" with the keypad and press "ENTER". The display shows "-" now.
5. Release SHIFT and back in performing mode. The display shows the current channel. (T1 is now set up for controlling channel 1)

5.4.4 Set Sound library program as "123"

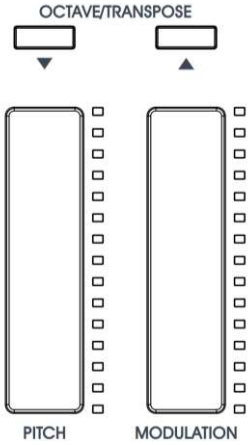
1. Press and hold SHIFT and you will be in sub-function edit mode (LCD display shows "SHF").
2. Press the key labelled "PRO" and the display shows the current sound library number. The default "PRO" is "0".
3. Input "123" with the keypad and press "ENTER". The display shows "-" now.
4. Release SHIFT and back in performing mode. The display shows the current channel.

5.4.5 Set up customisable button "1" to send CC function "51"

1. Press and hold SHIFT and you will be in sub-function edit mode (LCD display shows "SHF").
2. Press the key labelled "CTRL CC" and the display shows the CC value of the active controller.
3. Press customisable button "1". The default value, "57" shows on the display.
4. Input "51" with the keypad and press "ENTER". The display shows "-" now.
5. Release SHIFT and back in performing mode. The display shows the current channel.

Note: All the settings will be kept even when the power is off.

5.5 Capacitive Touch Sensors



5.5.1 PITCH Bend Wheel

Use the PITCH bend wheel to get the bend. Slide up or down to adjust the pitch. Release and return to neutral.

5.5.2 MODULATION Wheel

Use the MODULATION wheel to get the result of vibrato : Slide up or down to adjust the level of vibrato.

5.5.3 OCTAVE/TRANSPOSE

Use OCTAVE / TRANSPOSE buttons to adjust the piano octave. Press the two buttons simultaneously to reset.

With holding SHIFT, use OCTAVE/TRANSPOSE buttons to adjust the piano transpose. With holding SHIFT, press the two buttons simultaneously to reset.

5.6 Reset to factory settings

1. Power off and unplug the keyboard.
2. Press and hold button 1 and 2 at the same time.
3. Connect a USB cable to the keyboard and the display shows "YES", Release the buttons after 3 second sand the keyboard is now Factory settings.

Appendix 1: Specifications

Product specifications	
Product name	X2mini/X3mini/X4mini/X6mini
Piano key	25/37/49/61 force sensitive keys
Display	3-digit LED display
Buttons	SHIFT, OCTAVE/TRANSPOSE, customisable playback buttons
Knobs	T1 to T4 customisable knobs
Jacks	USB, MIDI OUT, sustain pedal,
Accessories	USB cable, information card, user's manual
Dimensions	X2: 409×137×51(mm) X3: 556×137×51(mm) X4: 703×137×51(mm) X6: 850×137×51(mm)

Appendix 2: CC Controller Parameters

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 Volume)	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)		