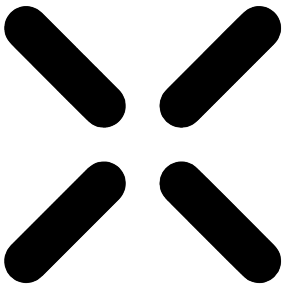


Mini

GENERATION II

SERIES
USER MANUAL

MIDIPLUS

Contents

Introduction

Thank you for purchasing the MIDIPLUS X mini 2nd Generation Series MIDI Keyboard. This series includes three models — X3 mini II, X4 mini II, and X6 mini II, featuring 37, 49, and 61 keys respectively. Each model uses slim keys that are slightly smaller than standard-sized keys, offering excellent playability while maintaining portability.

With the same design as the X III Series, the X mini 2nd Generation is equipped with knob controllers, transport controls, and touch-sensitive pitch and modulation strips. It also features 16 smart scales, including Chinese, Japanese, and Blues scales, among others.

Additionally, it provides five velocity curves — Normal, Soft, Hard, Fixed, and Custom — and supports DAW transport control, giving you a more versatile and enjoyable playing experience.

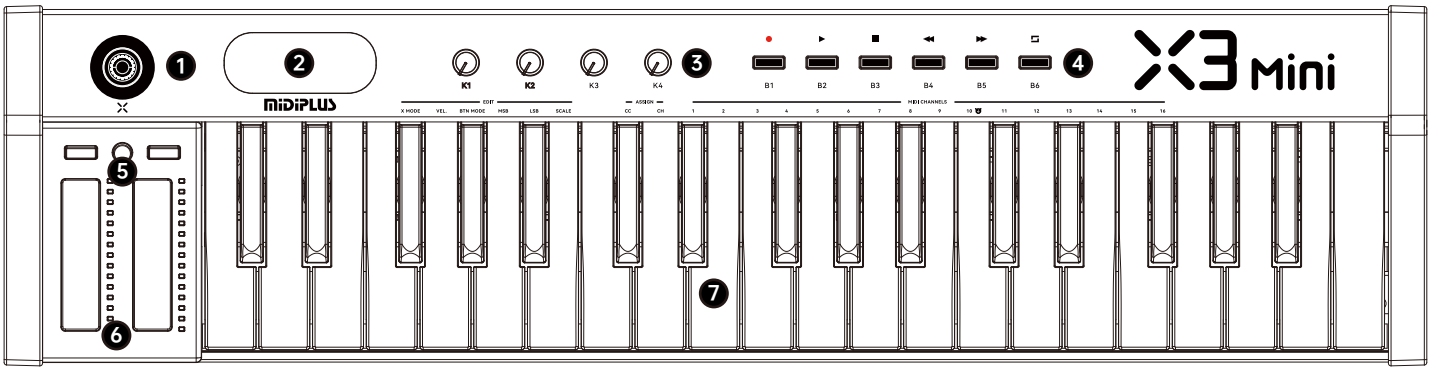
Important Notes

Please read the following precautions carefully before use to avoid damaging the equipment or causing personal injury. Precautions include but are not limited to the following:

1. Read and understand all instructions before use.
2. Always follow the instructions provided on the device.
3. Before cleaning the device, disconnect the USB cable. Use a soft, dry cloth for cleaning. Do not use gasoline, alcohol, acetone, turpentine, or any other organic solvents. Avoid using liquid cleaners, sprays, or excessively wet cloths.
4. Disconnect the USB power when the device will not be used for an extended period.
5. Do not use the device near water or moisture, such as a bathtub, sink, swimming pool or similar.
6. Do not place this device on unstable surfaces to prevent accidental falls.
7. Do not place heavy objects on top of the device.
8. Avoid placing this device in areas with poor ventilation.
9. Do not attempt to open the device or insert any metal objects inside, as this may cause fire or electric shock.
10. Avoid spilling any liquids on the device.
11. Do not expose the device to direct sunlight or high temperatures.
12. Do not use the device in areas where gas leakage is present.

1. Overview

1.1 The Top Panel



❶ **X Knob:** Control DAW and software instrument parameters or setting the keyboard parameters.

❷ **Display:** Provides real time feedback of control information.

❸ **Knobs:** Control DAW or software instrument parameters.

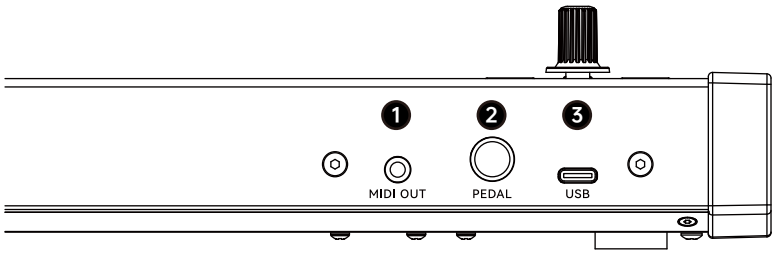
❹ **Transport Buttons:** Control the transport of DAW.

❺ **Transpose & Octave Button:** Used to control the keyboard's semitone and octave shifts.

❻ **Pitch & Modulation Touch Strips:** Control the pitch bend and modulation parameters of your sound.

❼ **Keyboard:** Trigger notes on/off, also can be used as shortcuts to access edit more parameters.

1.2 The Rear Panel



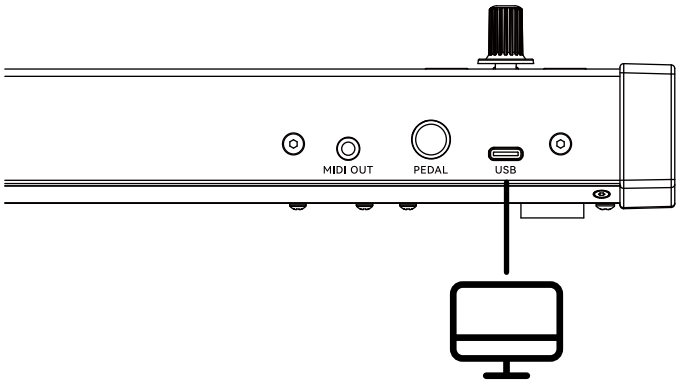
❶ **MIDI OUT:** A 3.5 mm TRS connector that outputs standard MIDI signals (MIDI Type-A wiring). It can be used to connect outboard MIDI devices or modules.

❷ **PEDAL:** Connect to a sustain pedal or an expression pedal (Changing the pedal type in the Midiplus Control Center software).

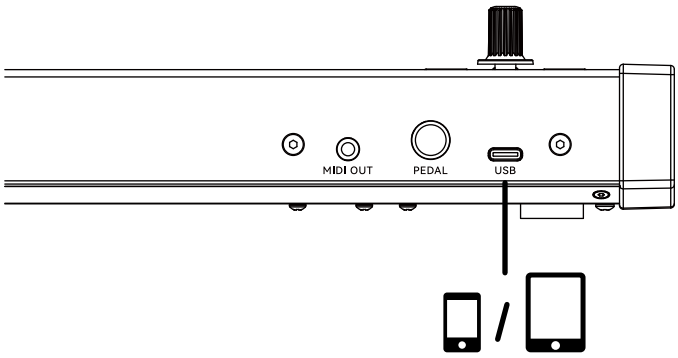
❸ **USB:** Connect to your computer for power supply and MIDI data transmission.

2. Guide

2.1 Ready to use

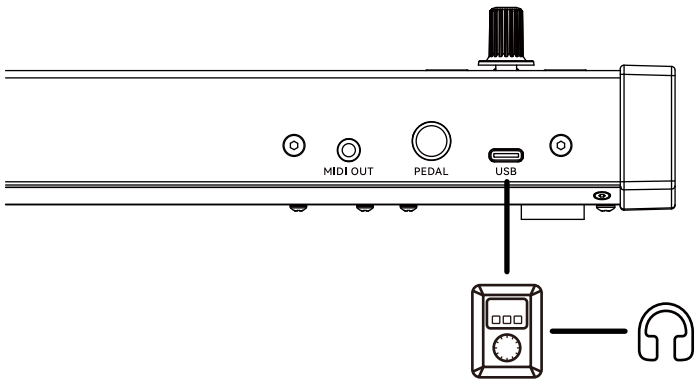


Use with computer: Connect X mini II to your PC or Mac using the included USB cable. Power is also supplied through this connection. X mini II is a class-compliant USB device, so its drivers are automatically installed when connecting to a computer.

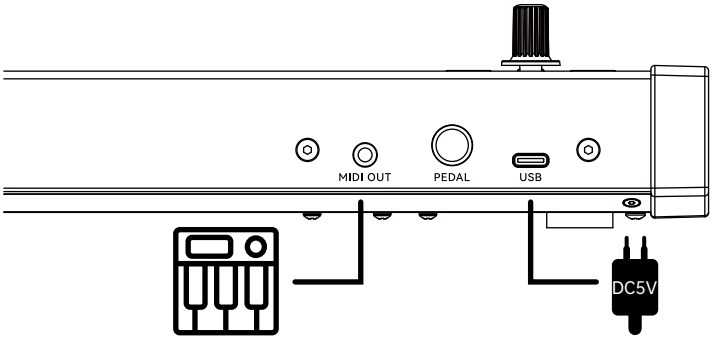


Connecting to a Mobile Device: Use a USB-C to C cable (sold separately) to connect the X mini II keyboard to the USB port of your smartphone or tablet. The keyboard will be powered via USB and recognized automatically. Open your mobile DAW app, such as Cubasis or GarageBand, to start creating music.

Note: *To connect an Apple device with a Lightning port, please use the official Apple Lightning to USB 3 Camera Adapter. Connect the X mini II keyboard to the USB port on the adapter, and connect the adapter's power port to an external power source.*

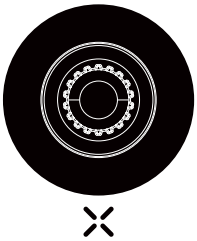


Connecting to the MIDIPLUS miniEngine series hardware: Use the included USB cable to connect the X mini II keyboard to the miniEngine's USB Host port. Then, turn on the miniEngine and connect headphones or speakers to its headphone output to start playing.



Connecting to external MIDI devices: Use the included USB cable to connect the X mini II keyboard to a 5V USB power source, then connect the X mini II's MIDI OUT and the external MIDI device's MIDI IN by using a 3.5mm TRS MIDI cable. Using a 3.5mm TRS to MIDI DIN (Type-A) adapter (not included) if necessary.For details, refer to 8.5 MIDI DIN to 3.5mm TRS Adapter.

2.2 X Knob



The X knob has two working modes, power on defaults to normal mode, press it about 0.5 seconds to switch to setting mode, the relevant parameter options of the keyboard can be set in this mode, for more details, please refer to 3. Setting Mode.

Normal Mode: Turn the X knob to send Program Change(default) or CC 7 message, this option can be changed by Setting Mode.

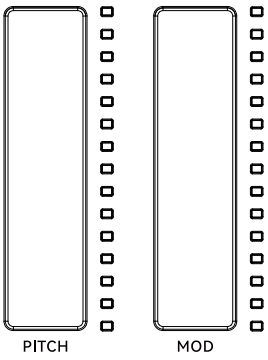
Setting Mode: Turn the X knob to select options, press to confirm, press about 0.5 seconds to exit the setting mode.

2.3 Transpose and Octave

Pressing the ◀ or ▶ button to shift the octave range of keyboard, when activated, the selected octave button will light up, pressing the ◀ + ▶ buttons simultaneously will quickly reset the octave shift.

Press and hold the TRANS button, then pressing the ◀ or ▶ button to transpose, when activated, the TRANS button will light up, and this can be toggled on and off by pressing the TRANS button, when off, the TRANS button backlit will dimmer, the previously used transpose setting will be stored while the unit remains powered.

2.4 Pitch and Modulation



Two capacitive touch strips allow for real-time pitch bend and modulation control. The LED light strips will reflect the current status of each controller.

Sliding up or down on the Pitch touch strip will raise or lower the pitch of the selected tone. The range of this effect is set within the hardware or software instrument being controlled.

Sliding up on the Modulation touch strip increases the amount of modulation on the selected tone. The response depends on the settings of the instrument being controlled. Certain instruments or presets will not use the modulation parameter.

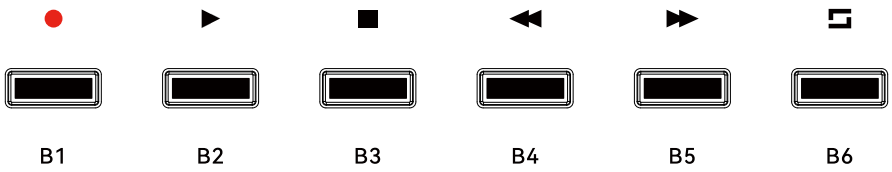
2.5 Knobs

X mini II has 4 assignable knobs with backlit, the default control functions of each knob are as follows:

Knob	Purpose	MIDI CC Number
K1	Chorus Send Level	CC 93
K2	Reverb Send Level	CC 91
K3	Timbre/Harmonic	CC 71
K4	Brightness	CC 74

You can assign any MIDI CC (continuous controller) number to each knob in Setting Mode. Please refer to 3.7.1 Changing The CC Numbers of Knobs for detailed operation steps.

2.6 Transport Buttons



X mini II has 6 buttons with three modes: DAW(default), MMC, CC mode, you can change this in Setting Mode. Please refer to 3.2 Changing The Transport Buttons Mode for operation steps.

In DAW and MMC mode, these buttons controls the transport of DAWs. For detailed setup instructions, please refer to 6. DAW Settings.

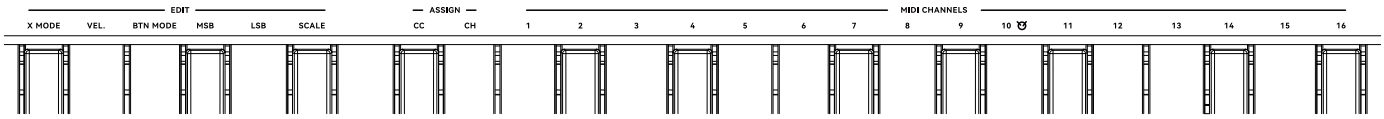
The CC mode can be used with the DAW's MIDI Learn function to customize the desired controls. The default CC mappings are shown in the table below:

Button	Purpose	MIDI CC Number
B1	Undefined	CC 25
B2	Undefined	CC 26
B3	Undefined	CC 27
B4	Undefined	CC 28
B5	Undefined	CC 29
B6	Undefined	CC 30

You can change the MIDI CC number of the buttons to control other functions by adjusting the mode settings. For detailed instructions, please refer to section 3.7.2. Changing the CC Numbers of Buttons.

2.7 Keyboard

X mini II features 37, 49 or 61 velocity sensitive keys for playing and sending note on/off messages. These keys also can be used as shortcuts to set controllers, MIDI channel in Setting Mode, for details, please refer to 3. Setting Mode.



When in Setting Mode, the keys with labeled functions will be used as shortcuts to access the parameters, the labeled keys as follows:

X MODE: Changing the X knob mode, select between Program Change (default) or CC mode.

VEL.: Setting the keyboard velocity sensitive curve, select between Normal (default), Soft, Hard, Fixed and Custom.

BTN MODE: Select the Transport button mode (DAW, MMC, or CC), Default: DAW.

MSB: Setting the controller number for "Most Significant Byte" (ie, MSB) of Bank Select. This message has a range between 0 and 127. The default is 0.

LSB: Setting the controller number for "Least Significant Byte" (ie, LSB) of Bank Select. This message has a range between 0 and 127. The default is 0.

SCALE: Selecting the build in Smart Scale, when a scale is selected, the scale notes will be mapped on the white keys, for details, please refer to 8.3 Scales, the default is Off.

ASSIGN CC: Setting the CC Number of each controller, including Pitch and Mod touch strip, 4 knobs and 6 buttons, the range between 0 and 127.

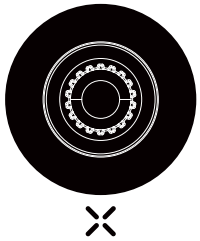
ASSIGN CH: Setting the MIDI Channel of each controller, including Pitch and Mod touch strip, 4 knobs and 6 buttons. Available channel options are GLb and 1 to 16, the default is GLb(global channel).

MIDI CHANNELS: Setting the MIDI Channel of keyboard, the range between 1 and 16, the default is 1.

3. Setting Mode

In the Setting Mode, you can set your keyboard easily. Long press the X knob about 0.5 second, the screen will display "SEL" when enter the Setting Mode.

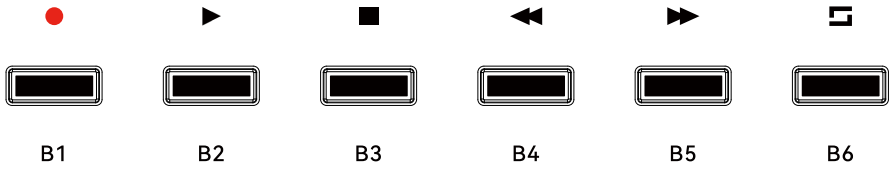
3.1 Changing The X Knob Mode



Long press the X knob about 0.5 second, when the screen display "SEL", then follow these steps:

1. Press the key labeled "X MODE", the screen will display the currently selected mode,
2. Turn the X knob to select Program Change or CC mode (the screen will display "Pc" or "cc"),
3. Press the X knob to confirm.

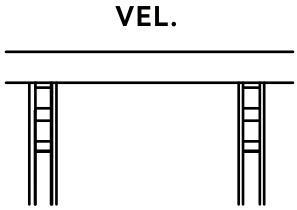
3.2 Changing The Transport Buttons Mode



When the screen display "SEL", follow these steps:

1. Press the key labeled "BTN MODE", the screen will display the currently selected mode,
2. Turn the X knob to select DAW, MMC, CC mode (the screen will display "dAW", "MMC", "cc"),
3. Press the X knob to confirm.

3.3 Changing The Keyboard Velocity Curve



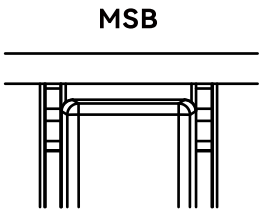
When the screen display "SEL", follow these steps:

1. Press the key labeled "VEL.", the screen will display the currently selected velocity curve,

2. Turn the X knob to select Normal, Soft, Hard, Fixed, Custom(the screen will display "nor", "SFt", "hrd", "F IH", "cSt"),

3. Press the X knob to confirm.

3.4 Changing The Bank MSB



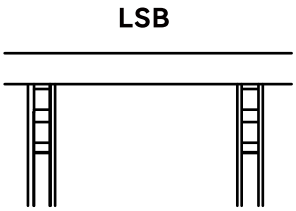
When the screen display "SEL", follow these steps:

1. Press the key labeled "MSB", the screen will display the current value,

2. Turn the X knob to set the controller number between 0 and 127,

3. Press the X knob to confirm.

3.5 Changing The Bank LSB



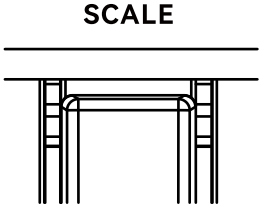
When the screen display "SEL", follow these steps:

1. Press the key labeled "LSB", the screen will display the current value,

2. Turn the X knob to set the controller number between 0 and 127,

3. Press the X knob to confirm.

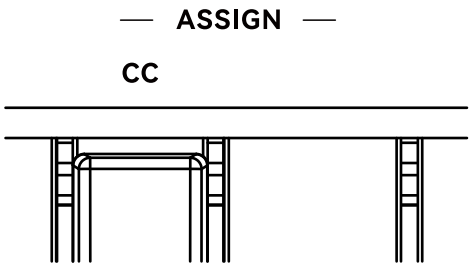
3.6 Selecting a Smart Scale



When the screen display "SEL", follow these steps:

1. Press the key labeled "SCALE", the screen will display the currently selected scale,
2. Turn the X knob to select a scale (Play the keyboard while adjusting to preview the scale),
3. Press the X knob to confirm, the screen will display you just selected scale name.

3.7 Changing The CC Number



The controllers of X mini II can be assigned to any CC Number as you like, please refer to 8.4 MIDI CC List for details. These controllers included: Mod touch strip, 4 knobs and 6 buttons, the range between 0 and 127.

3.7.1 Changing The CC Numbers of Knobs

When the screen display "SEL", follow these steps:

1. Press the key labeled "ASSIGN CC",
2. Turn the knob you want to assign, K1 for instance, the screen displays "93",
3. Turn the X knob to select a CC number, select "52" for instance,
4. Press the X knob to confirm.

3.7.2 Changing The CC Numbers of Buttons

When the screen display "SEL", follow these steps:

1. Press the key labeled "ASSIGN CC",
2. Press the button you want to assign, B2 for instance, the screen displays "26",
3. Turn the X knob to select a CC number, select "53" for instance,
4. Press the X knob to confirm.

Now the CC number of B2 button is assigned to CC 53 successfully. Then you should change the button into CC mode refer to 3.2 Changing the Transport Buttons Mode.

Note: *When changing the CC numbers of buttons B1–B6, repeatedly pressing a button switches its mode. A steady light indicates Gate mode, while a flashing light indicates Toggle mode. The default mode is Gate.*

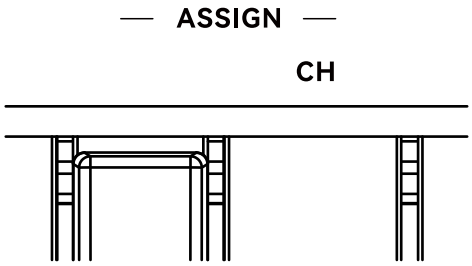
3.7.3 Changing The CC Numbers of Touch Strips

When the screen display "SEL", follow these steps:

1. Press the key labeled "ASSIGN CC",
2. Touch the MOD touch strip, the screen displays " 1",
3. Turn the X knob to select a CC number, select "54" for instance,
4. Press the X knob to confirm.

Now the CC number of MOD touch strip is assigned to CC 54 successfully.

3.8 Changing The Controller Channel



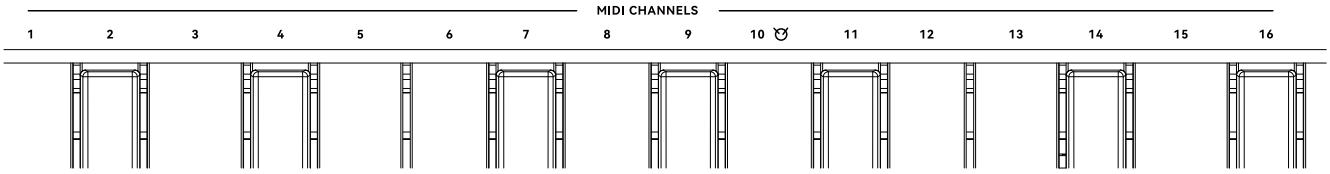
When the screen display "SEL", follow these steps:

1. Press the key labeled "ASSIGN CH",
2. Select the controller you want to assign, touch strip, Knobs or Buttons,
3. Turn the X knob to select a Channel, select " 10" for instance,
4. Press the X knob to confirm.

Now the channel of the controller you selected in step 2 is assigned to Channel 10 successfully.

Note: *When the controller channel is set to GLb, the controller channel will follow the keyboard channel. For example, if the keyboard channel is set to 2, the controller events will also be sent to channel 2.*

3.9 Changing The MIDI Channel



Long press the X knob about 0.5 second, when the screen display "SEL", press the corresponding note on the keyboard below the MIDI channels you wish to select. 10 for instance, the screen will displays "c 10", and the keyboard will exit the Setting Mode, the MIDI Channel is changed to channel 10 successfully.

4. Pedal Jack Settings

The pedal jack on the X mini II can be configured via the Midiplus Control Center as either a switch-type (for sustain pedal) or continuous-type (for expression pedal). It features automatic pedal polarity reversal and expression pedal calibration, ensuring broad compatibility with various pedals on the market. By default, the pedal jack is set to switch-type (sustain pedal) function. When a sustain pedal is connected, the X mini II automatically detects and reverses the pedal's polarity upon startup, allowing for immediate use without manual polarity switching.

4.1 Expression Pedal Calibration

After configuring the pedal jack to continuous-type (expression pedal) via the Midiplus Control Center software, if the connected expression pedal cannot reach its maximum or minimum value, follow the steps below to calibrate it:

1. Unplug the USB cable,
2. Press and hold the X Knob, then reconnect the USB cable to power on the keyboard. Release the X Knob when "CAL" appears on the screen, then press the B1 button to start calibration,
3. The screen will display "P In," indicating the minimum value calibration. Lift the expression pedal to its minimum position and press the B1 button to save and proceed to the next step,
4. The screen will display "PAH," indicating the maximum value calibration. Press the expression pedal down to its maximum position and press the B1 button to complete the calibration.

5. Factory Reset

At some point you may wish to reset your device back to factory settings. To perform a factory reset on your X mini II, please follow these steps:

1. Disconnect the USB cable,
2. Press and hold the "B1" and "B2" buttons,
3. Plug in the USB cable,
4. Release the "B1" and "B2" buttons when the screen displays "rES".

Note: *Performing a factory reset will clear all your changes to the keyboard. Please operate carefully.*

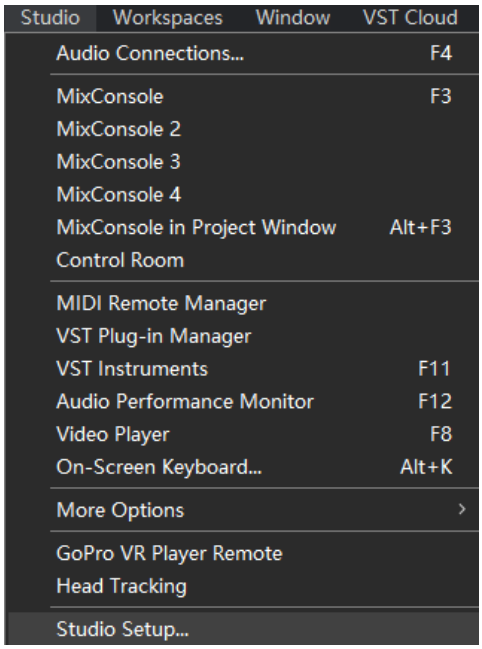
6. DAW Settings

X mini II has 6 buttons with three modes: DAW, MMC, CC mode. The default factory setting is DAW mode, which is compatible with most DAW software for transport control. The following examples show setup in common DAWs using the X6 mini II.

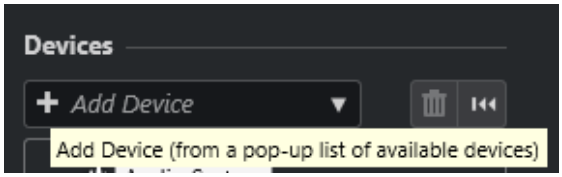
Note: *In the following transport instructions, desktop DAWs use DAW mode by default, FL Studio Mobile and GarageBand use MMC mode. Please refer to* *3.2 Changing The Transport Buttons Mode* *for operation steps.*

6.1 Cubase/Nuendo

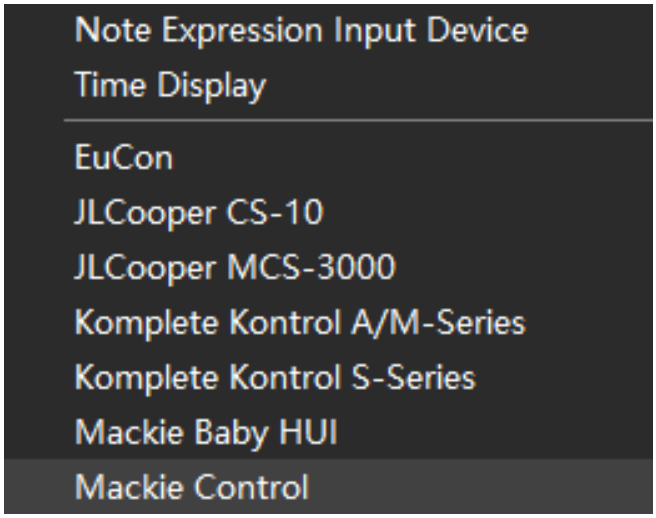
1. Go to menu: **Studio** > **Studio Setup...**



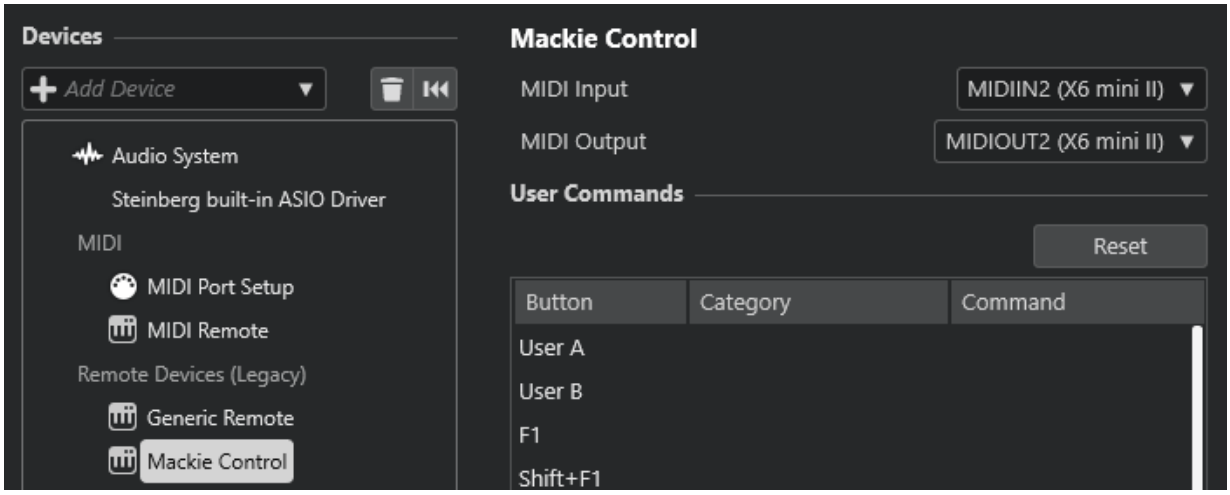
2. Click on the **Add Device**



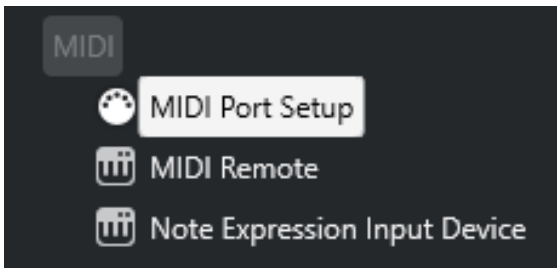
3. Select the **Mackie Control** from the pop-up list



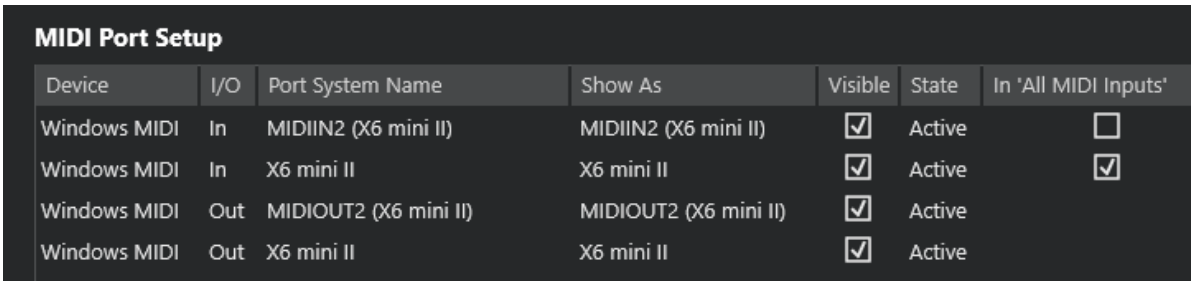
4. In the **Mackie Control** window, set the MIDI Input as **MIDIIN2 (X6 mini II)** and the MIDI Output as **MIDIOUT2 (X6 mini II)**



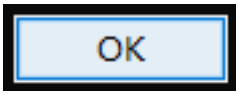
5. Click on the **MIDI Port Setup**



6. In the right side of the window, find the **MIDIIN2 (X6 mini II)**, then uncheck the **In 'All MIDI Inputs'**

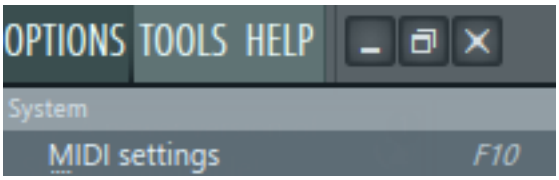


7. Click on **OK** to finish setup

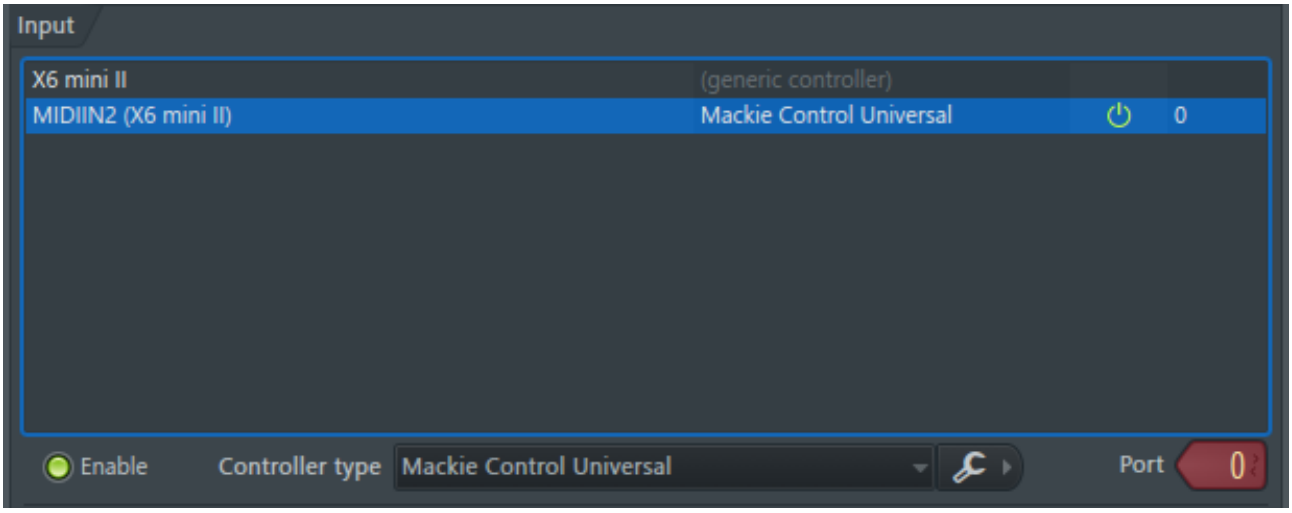


6.2 FL Studio

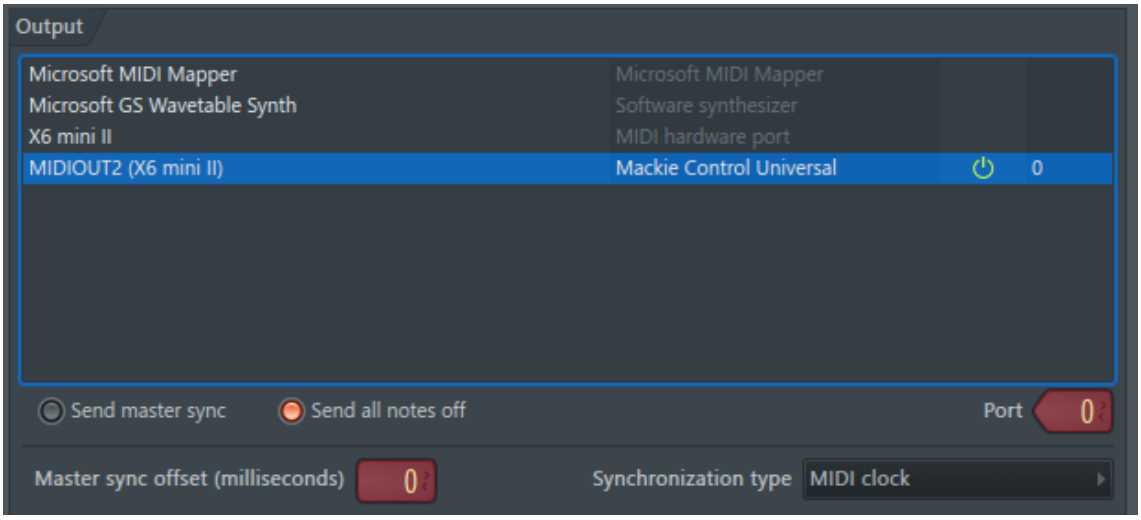
1. Go to menu: **Options** > **MIDI settings** (keyboard shortcut F10)



2. In the **Input** tab, find and Enable both **X6 mini II** and **MIDIIN2 (X6 mini II)**, set the Controller type of **MIDIIN2 (X6 mini II)** as **Mackie Control Universal**, **Port 0**

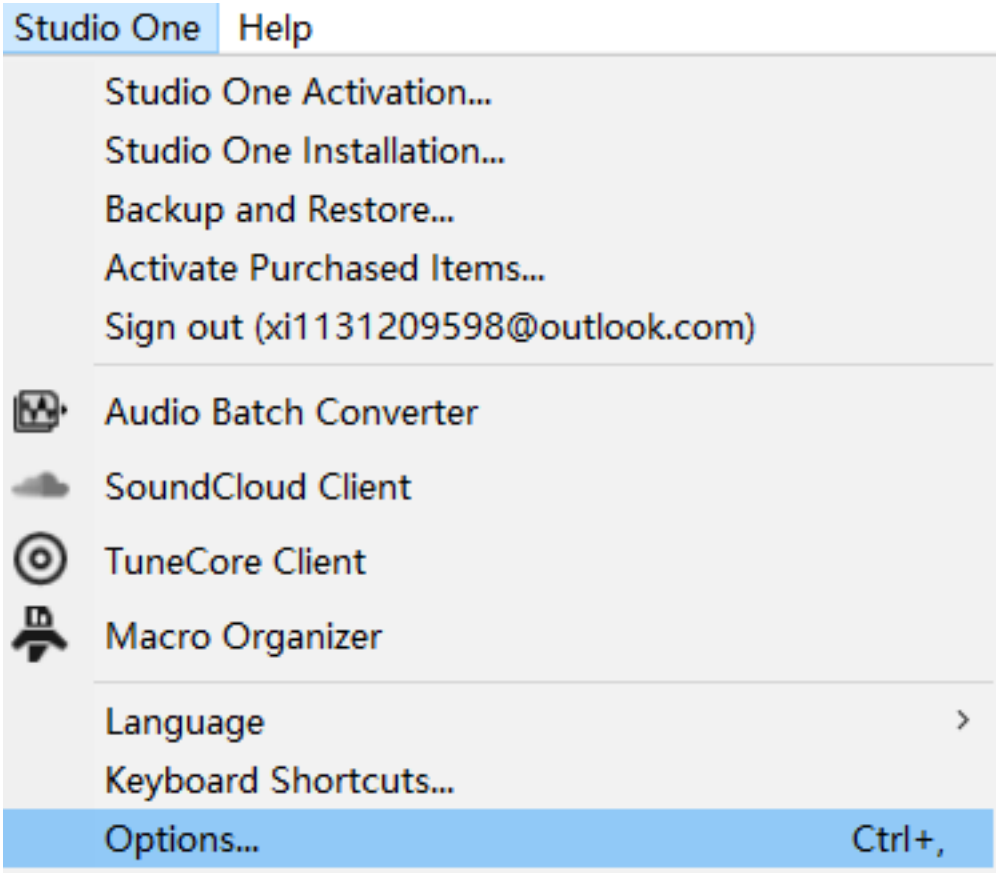


3. In the **Output** window, set the port of **MIDIOUT2 (X6 mini II)** to **0**, then close the window to complete the setup

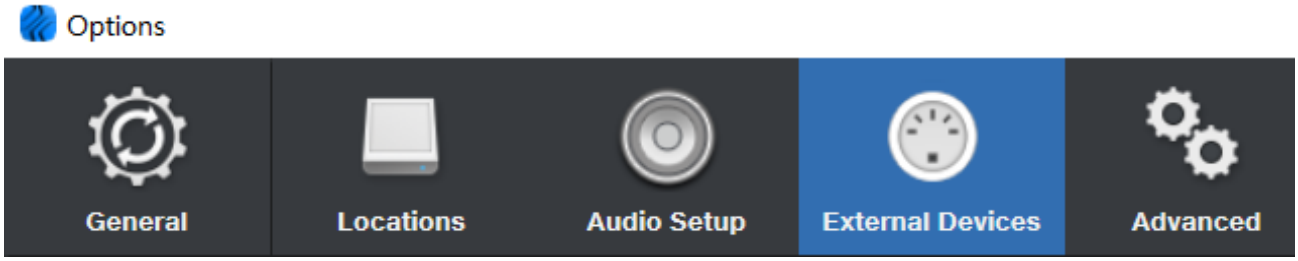


6.3 Studio One

1. Go to menu: **Studio One** > **Options...**(keyboard shortcut: Ctrl+,)

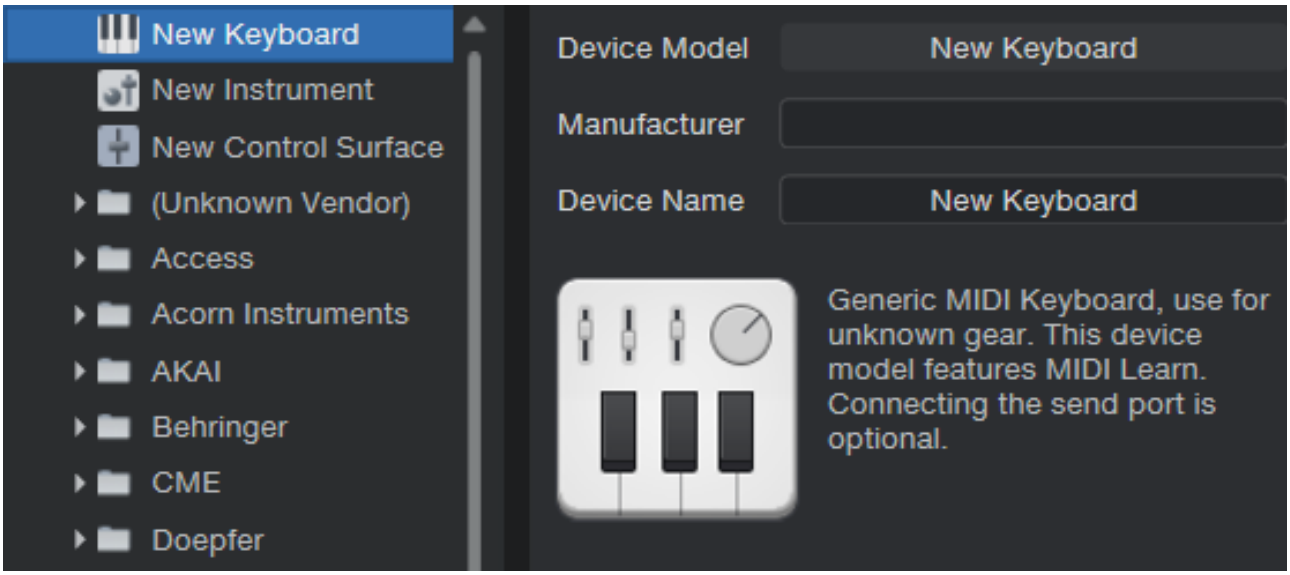


2. Select the **External Devices**

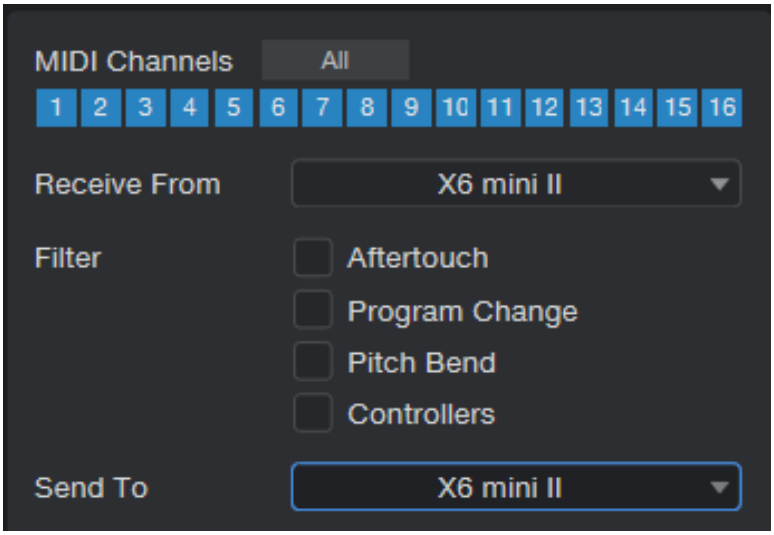


3. Then click on **Add...**

4. Select **New Keyboard**

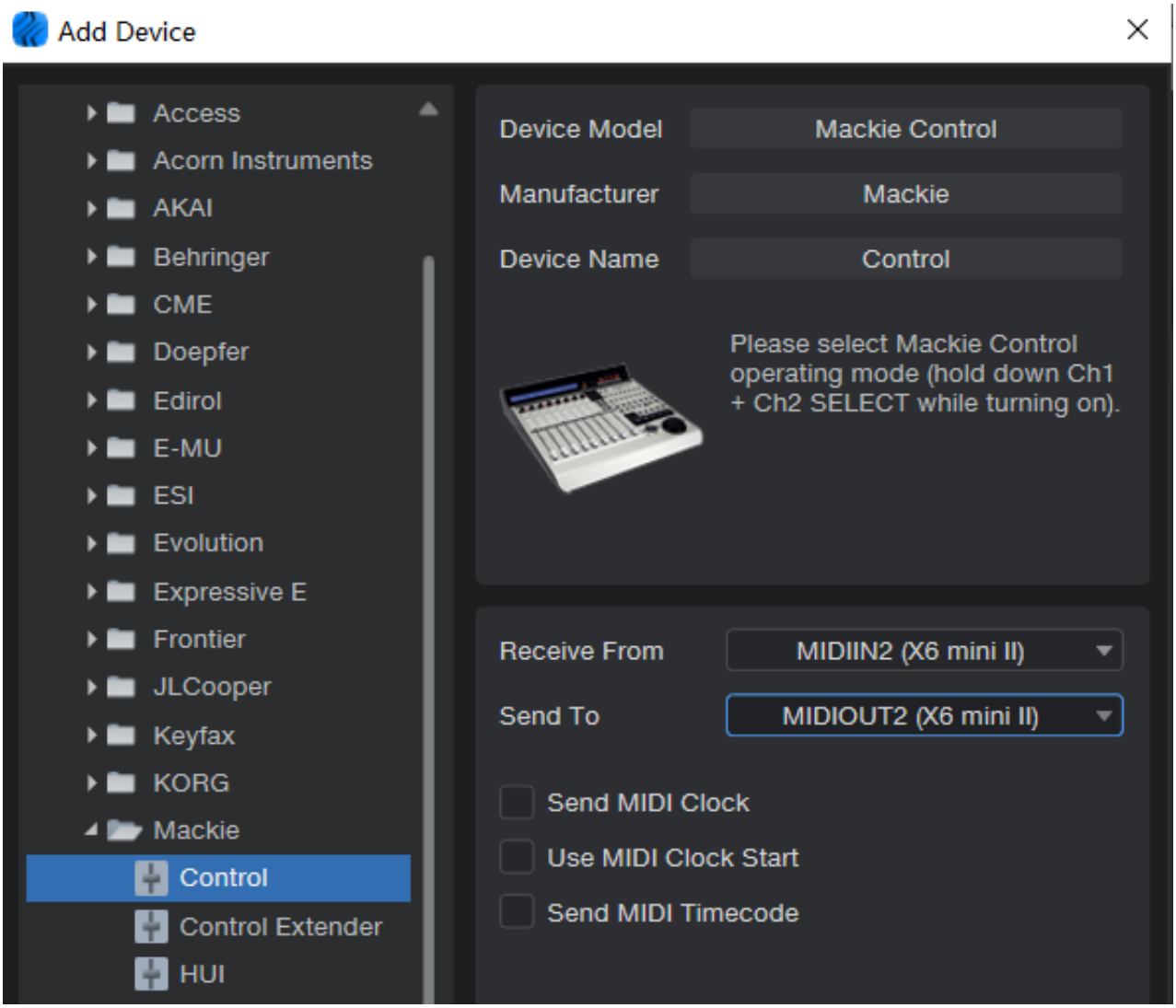


5. Set both **Receive From** and **Send To** as **X6 mini II**



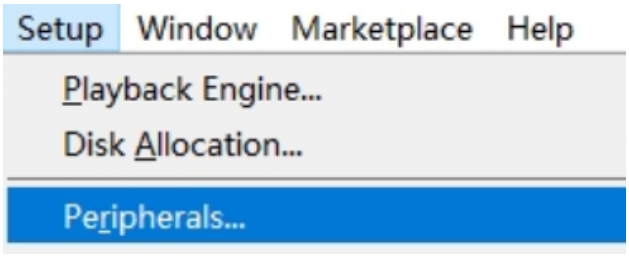
6. And click on **Add...**

7. Find the **Mackie** folder in the list and select **Control**, set both **Receive From** and **Send To** as **MIDIIN2 (X6 mini II)** and **MIDIOUT2 (X6 mini II)**, then click **OK** to finish setup

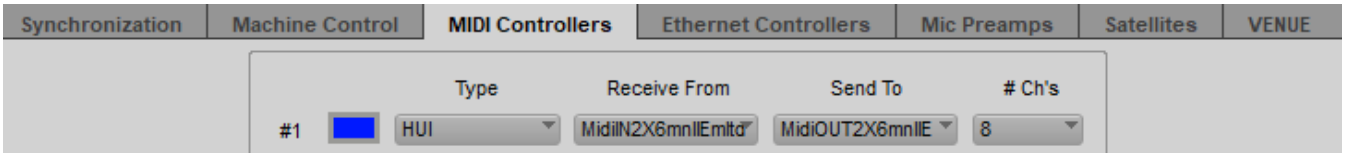


6.4 Pro Tools

1. Go to menu: **Setup** > **Peripherals...**

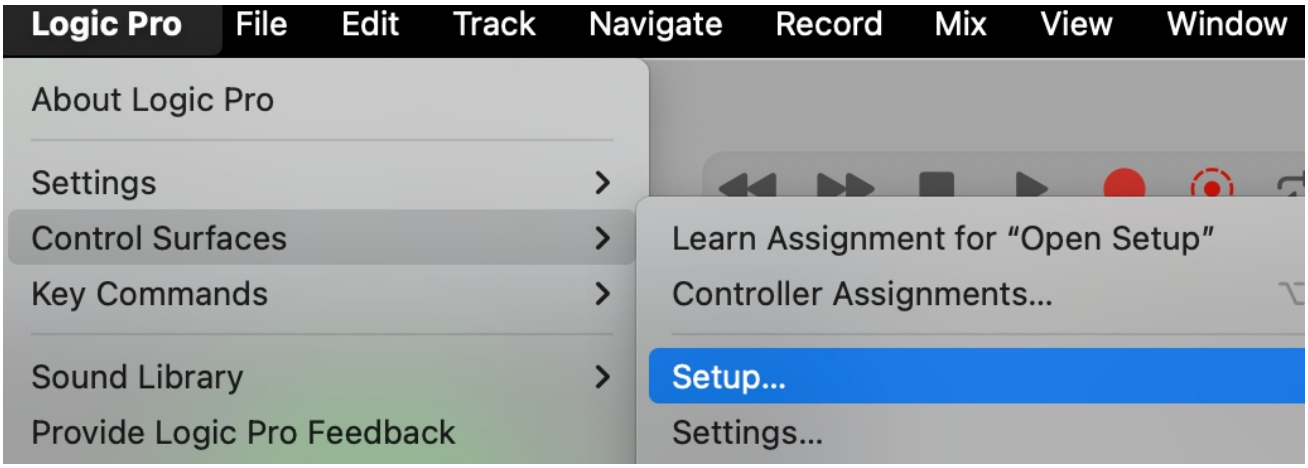


2. In the pop-up window, click the **MIDI Controllers** tab, find the **#1** row, select **HUI** in the pop-up list of Type, select **MIDIIN2 (X6 mini II) [Emulated]** and **MIDIOUT2 (X6 mini II) [Emulated]** both in the pop-up list of the **Receive From** and **Send To**, then close the Peripherals window to finish setup.

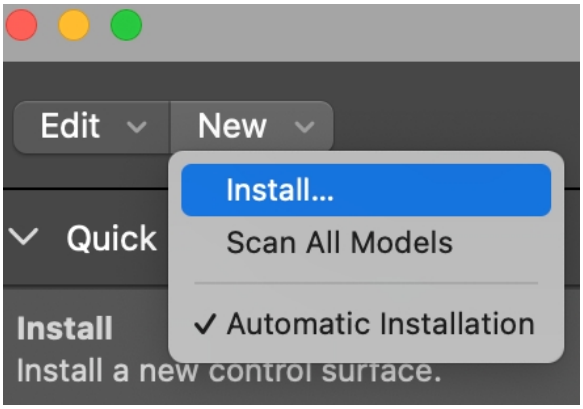


6.5 Logic Pro

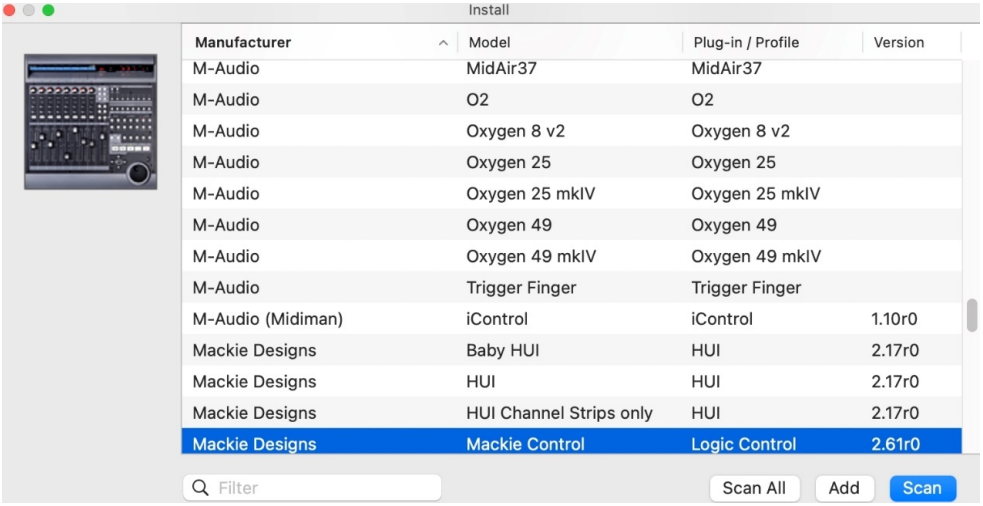
1. Go to menu: **Control Surfaces** > **Setup...**



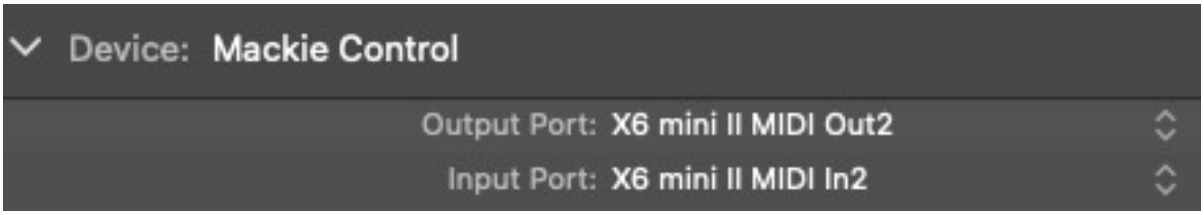
2. In the Control Surface Setup window, click on New, select **Install** from the pop-up list



3. In the Install window, select **Mackie Control**, then click on **Add**

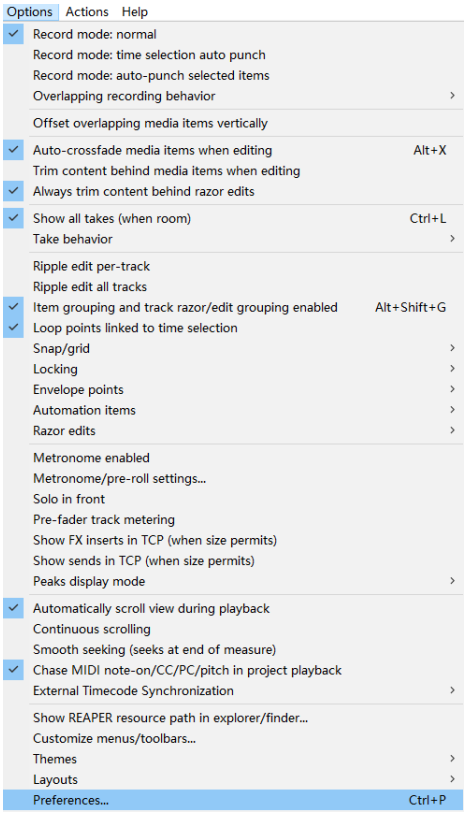


4. In the Control Surface Setup window, find the Device: Mackie Control, set the Output Port and Input Port as **X6 mini II MIDI Out2** and **X6 mini MIDI In2**, close the window to finish setup

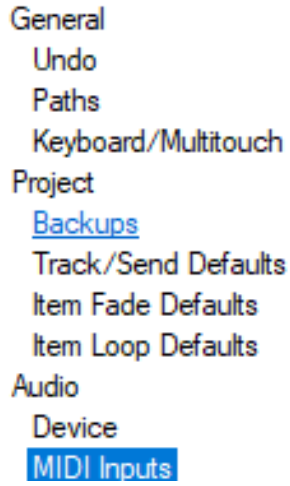


6.6 Reaper

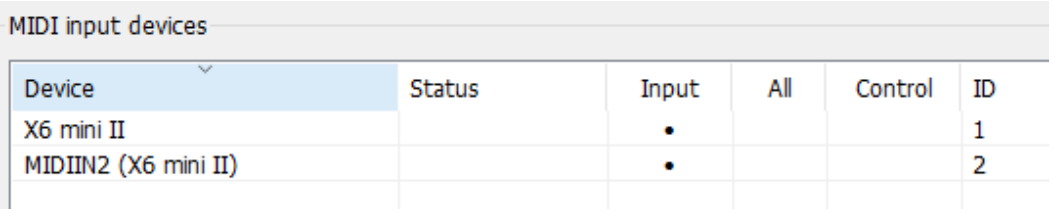
1. Go to menu: **Options** > **Preferences...** (keyboard shortcut: Ctrl + P)



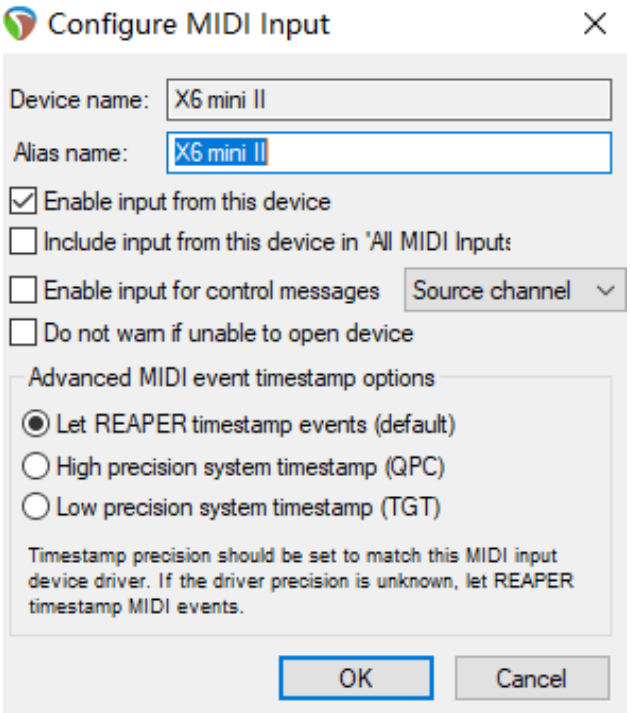
2. In **Preferences**, select **Audio** > **MIDI Inputs** on the left



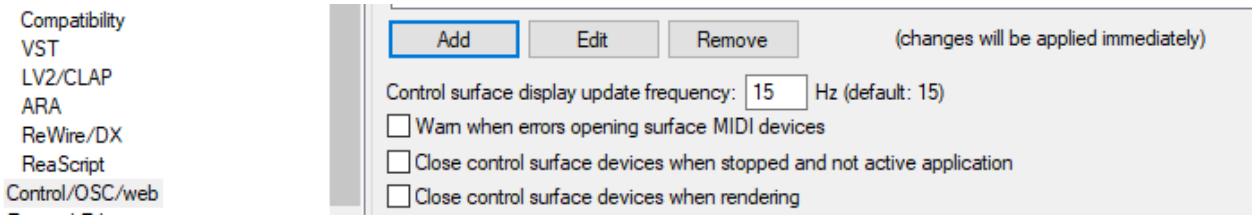
3. Double-click the **X6 mini II and MIDIIN2 (X6 mini II)** device name in the right panel.



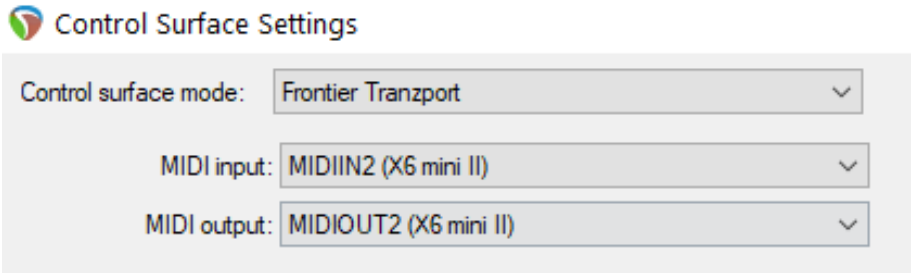
4. In the **Configure MIDI Input** window, check **Enable input for this device**, then click **OK**



5. In the **Preferences** window, select **Control/OSC/Web** on the left, then click **Add** in the right panel

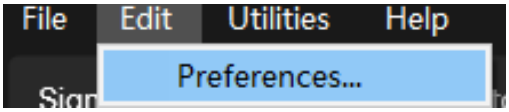


6. In the Control Surface Mode dropdown menu, select **Frontier Tranzport**. In the **MIDI input** dropdown, select **MIDIIN2 (X6 mini II)**, and in the **MIDI output** dropdown, select **MIDIOUT2 (X6 mini II)**. Click **OK** at the bottom of the window to complete the keyboard setup

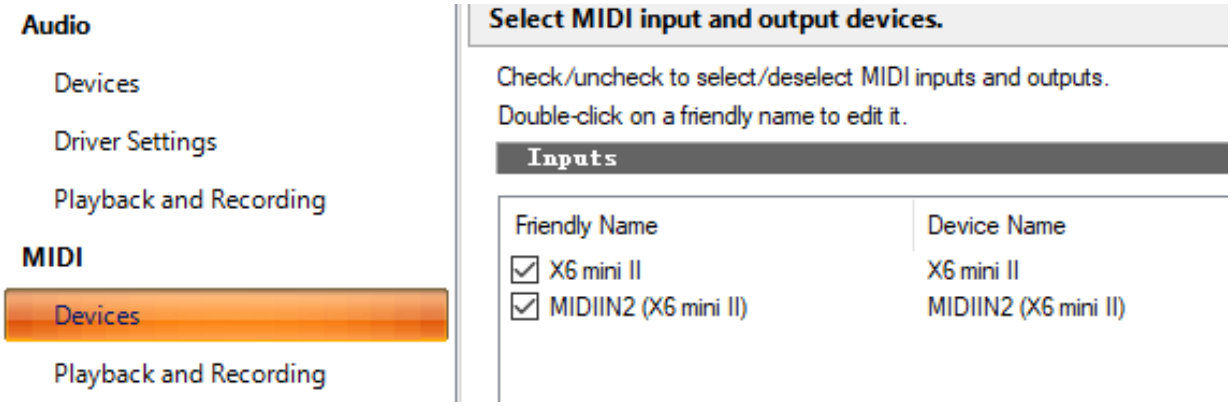


6.7 CakeWalk Sonar

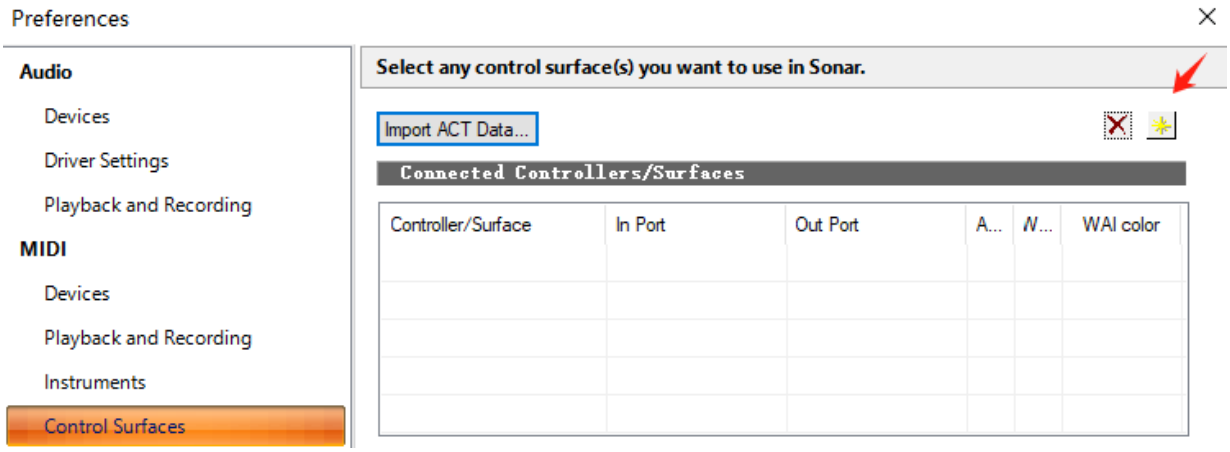
1. Go to menu: **Edit** > **Preferences...**



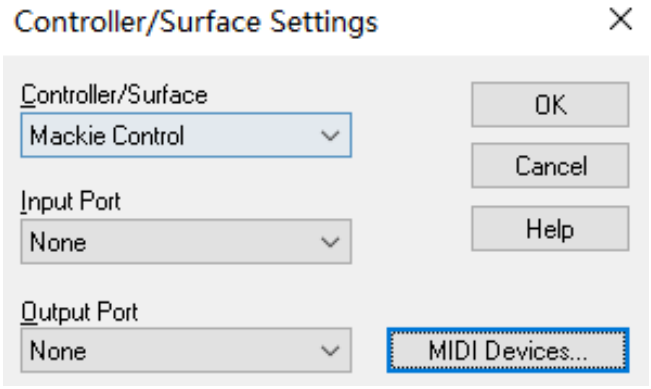
2. In the **Preferences** window, click Devices tab, then check the **X6 mini II** and **MIDIIN2 (X6 mini II)** from the **Friendly Name** of the **Inputs**



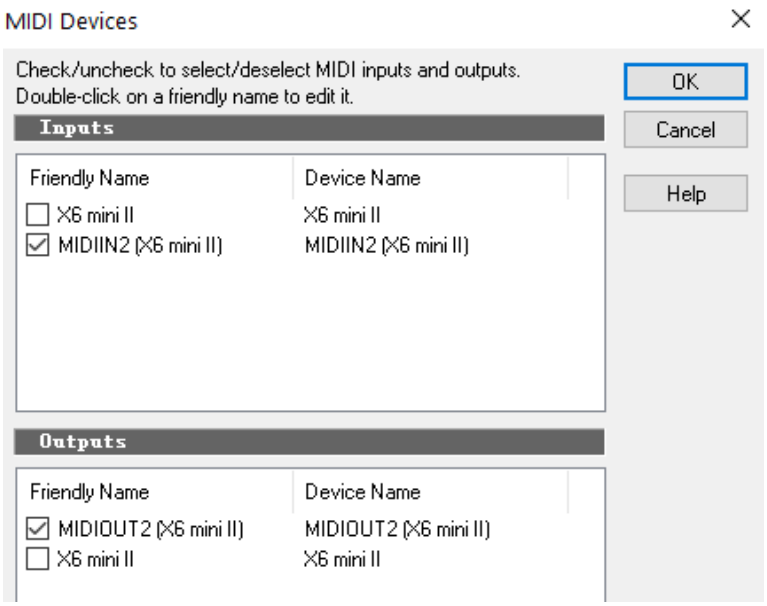
3. In the **Preferences** window, click **Control Surfaces** tab, then click the **Add** icon as picture below



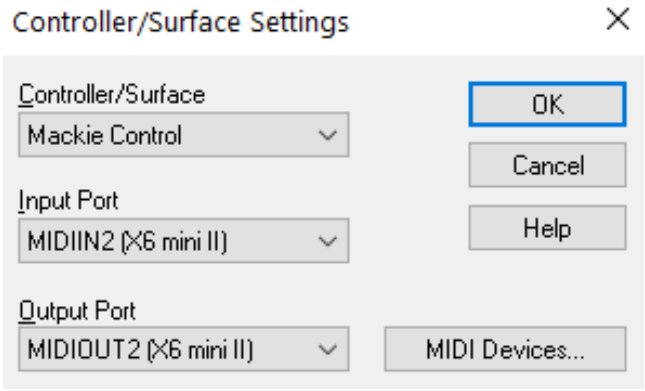
4. In the **Controller/Surface Settings** window, select **Mackie Control** from the pop-up list of Controller/Surface, then click the **MIDI Devices...** button



5. In the **MIDI Devices** window, check **MIDIIN2 (X6 mini II)** under Inputs and **MIDIOUT2 (X6 mini II)** under Outputs, then click **OK**

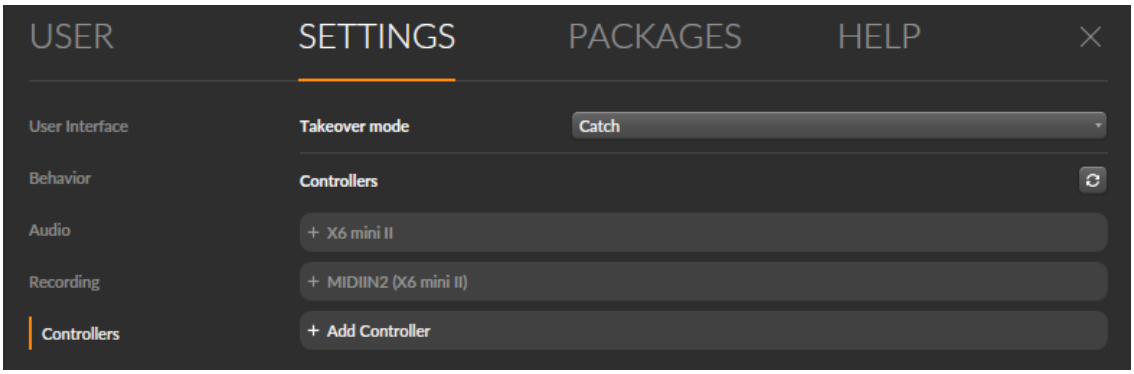


6. In the **Controller/Surface Settings** window, select **MIDIIN2 (X6 mini II)** from the pop-up list of **Input Port**, select **MIDIOUT2 (X6 mini II)** from the pop-up list of **Output Port**, then click on the **OK** button

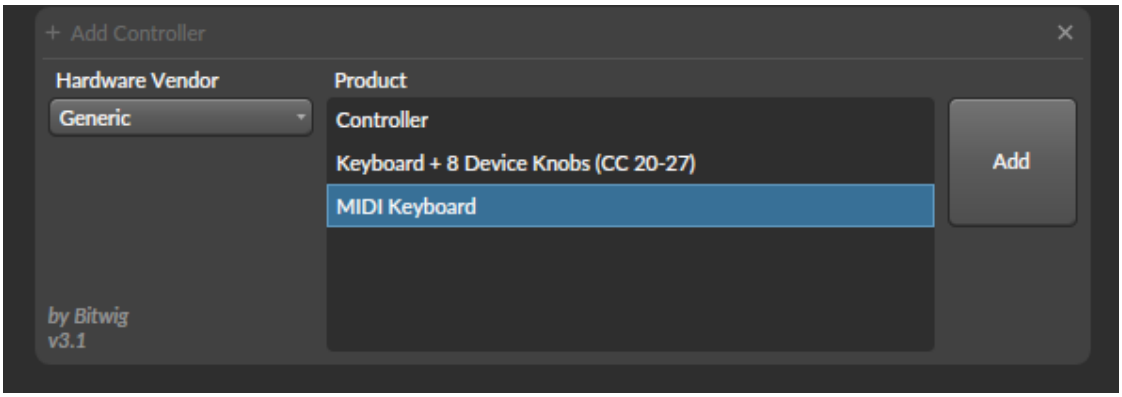


6.8 Bitwig Studio

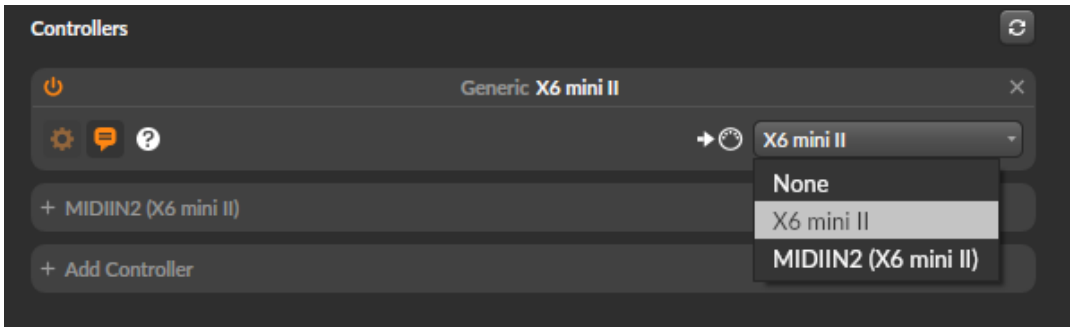
1. Open Bitwig, click on **SETTINGS** tab in dashboard, then select **Controllers** tab, click on **Add Controller**



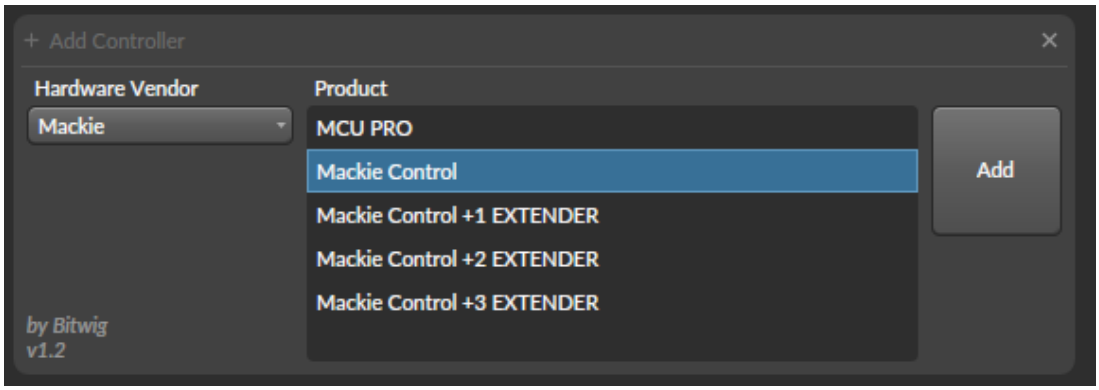
2. In the Add Controller window, select **Generic** from the pop-up list of **Hardware Vendor**, select **MIDI Keyboard** under the **Product** box, then click on **Add**



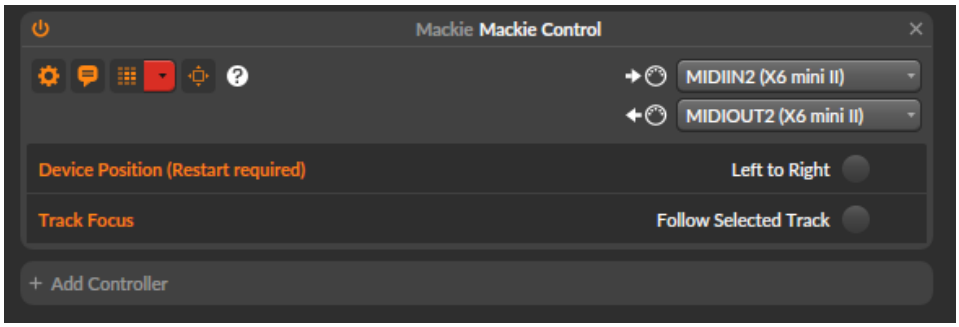
3. In the **General MIDI Keyboard** window, select **X6 mini II** as Input port



4. Repeat step 1 **Add Controller**, select **Mackie** from the pop-up list of Hardware Vendor, select **Mackie Control** under the Product box, then click on **Add**

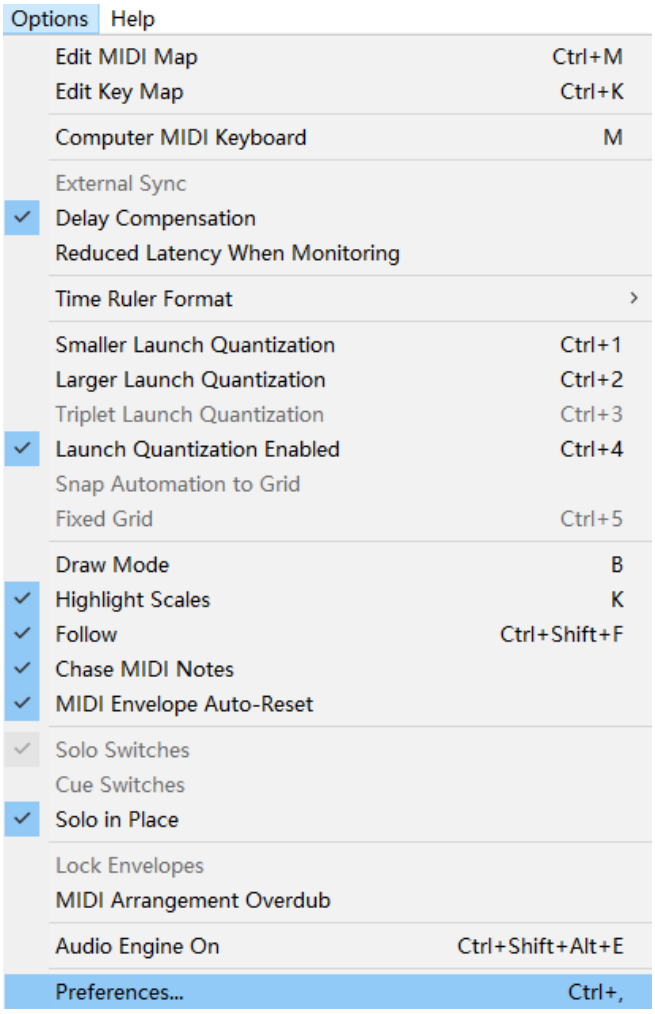


5. Select **MIDIIN2 (X6 mini II)** as Input port, and select **MIDIOUT2 (X6 mini II)** as Output port, close the window to finish setup

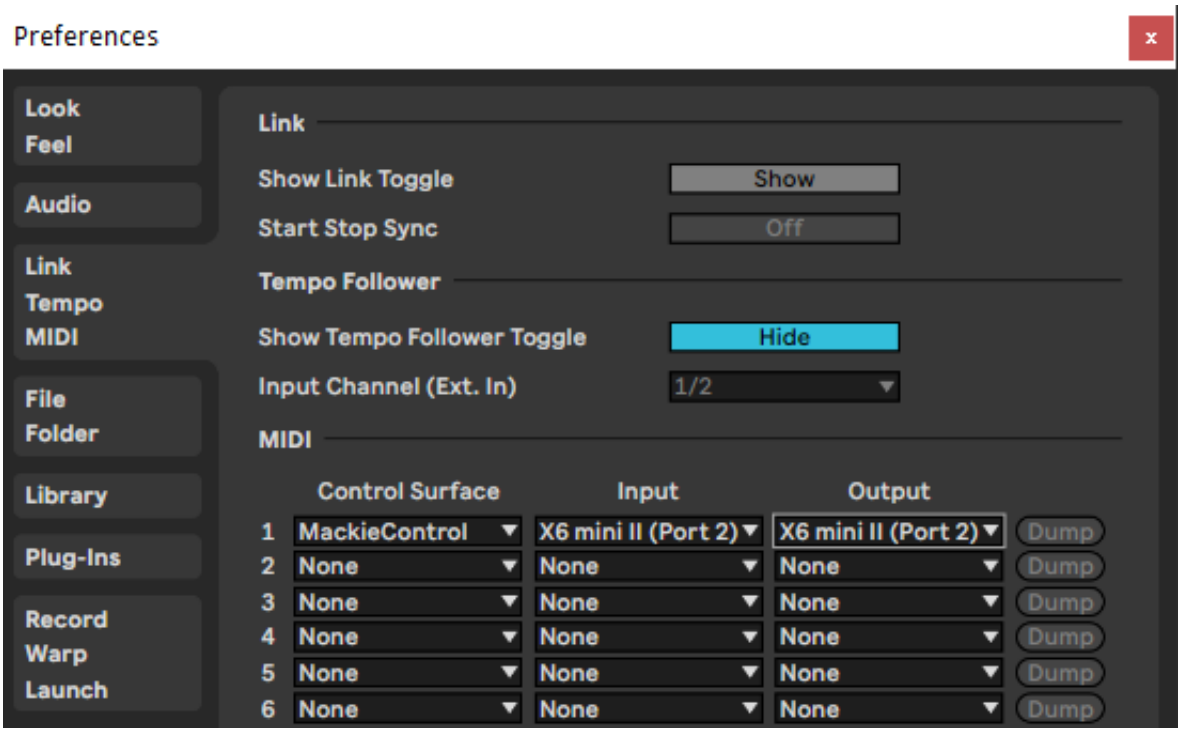


6.9 Ableton Live

1. Go to menu: **Options** > **Preferences...**



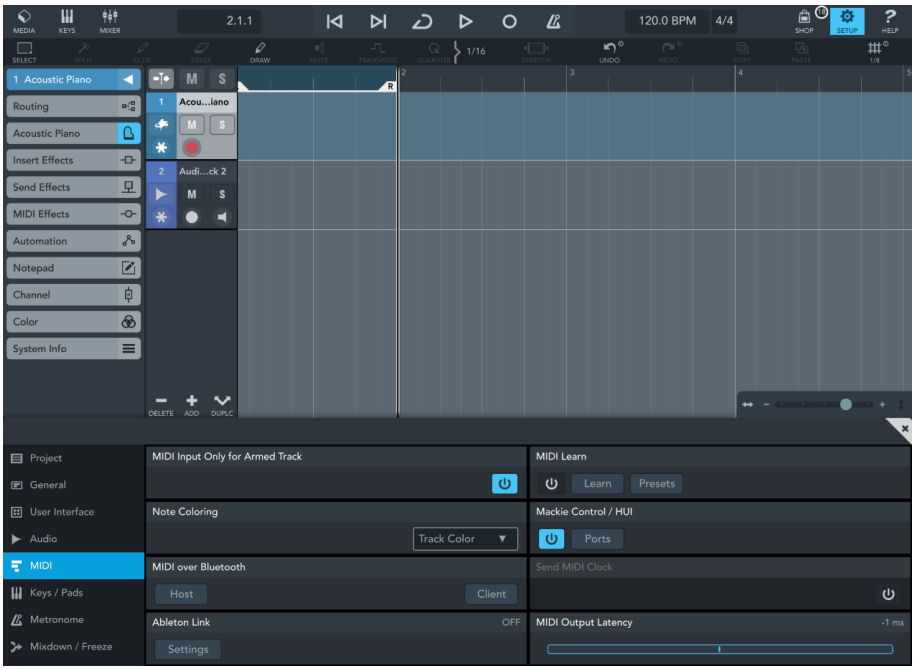
2. Click on the **Link Tempo MIDI** tab, select **MackieControl** from the pop-up list of Control Surface, and select **X6 mini II (Port 2)** from the pop-up list of both **Input** and **Output**



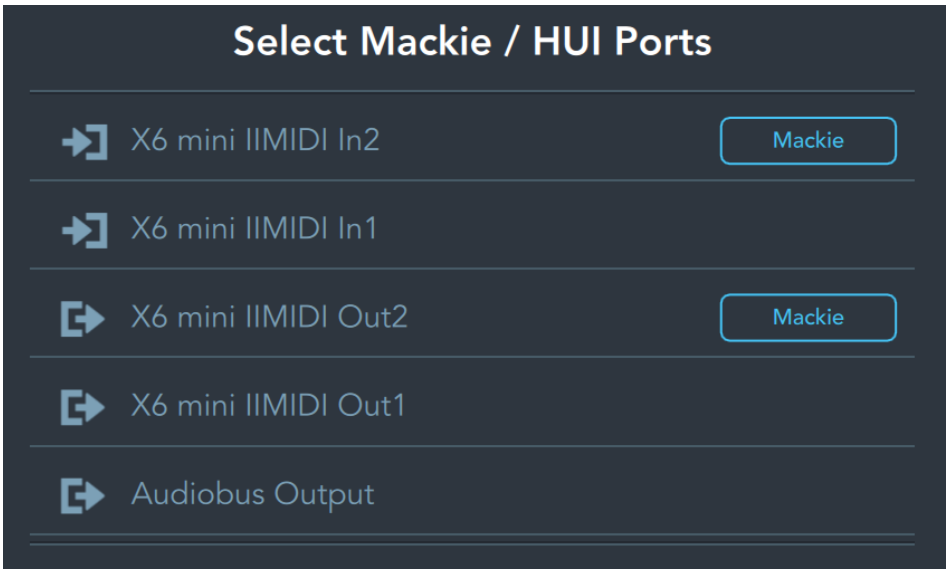
6.10 Cubasis

1. Set the Transport button mode of the X mini II to **DAW** mode. Please refer to 3.2 Changing The Transport Buttons Mode for operation steps

2. Tap the **SETUP** button, in the **MIDI** tab, locate **Mackie Control/HUI** and click the **Ports** button to select the MIDI ports



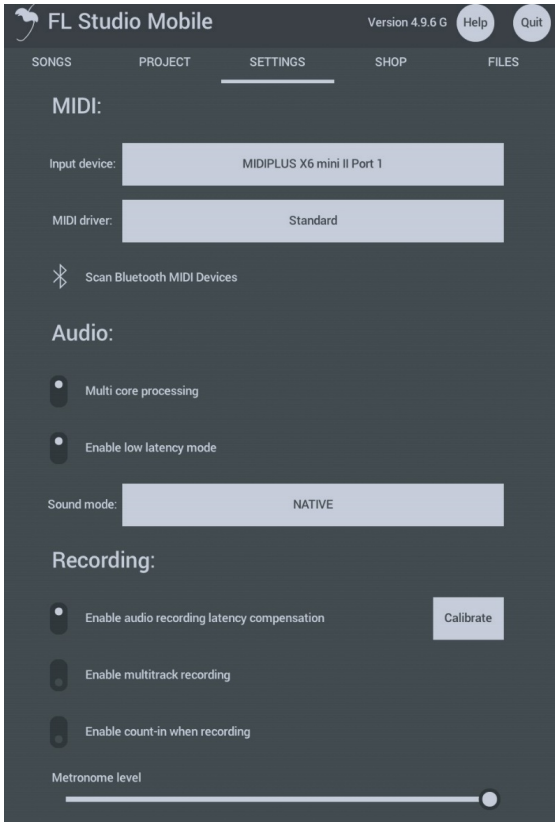
3. In the **Select Mackie/HUI Ports** window, select **X6 mini II MIDI In2** and **X6 mini II MIDI Out2** and set them to **Mackie**



6.11 FL Studio Mobile

1. Set the Transport button mode of the X mini II to **MMC** mode. Please refer to 3.2 Changing The Transport Buttons Mode for operation steps

2. Tap the icon in the upper-right corner. In the **SETTINGS** tab, set **Input device** to **MIDIPLUS X6 mini II Port 1** and **MIDI driver** to **Standard**

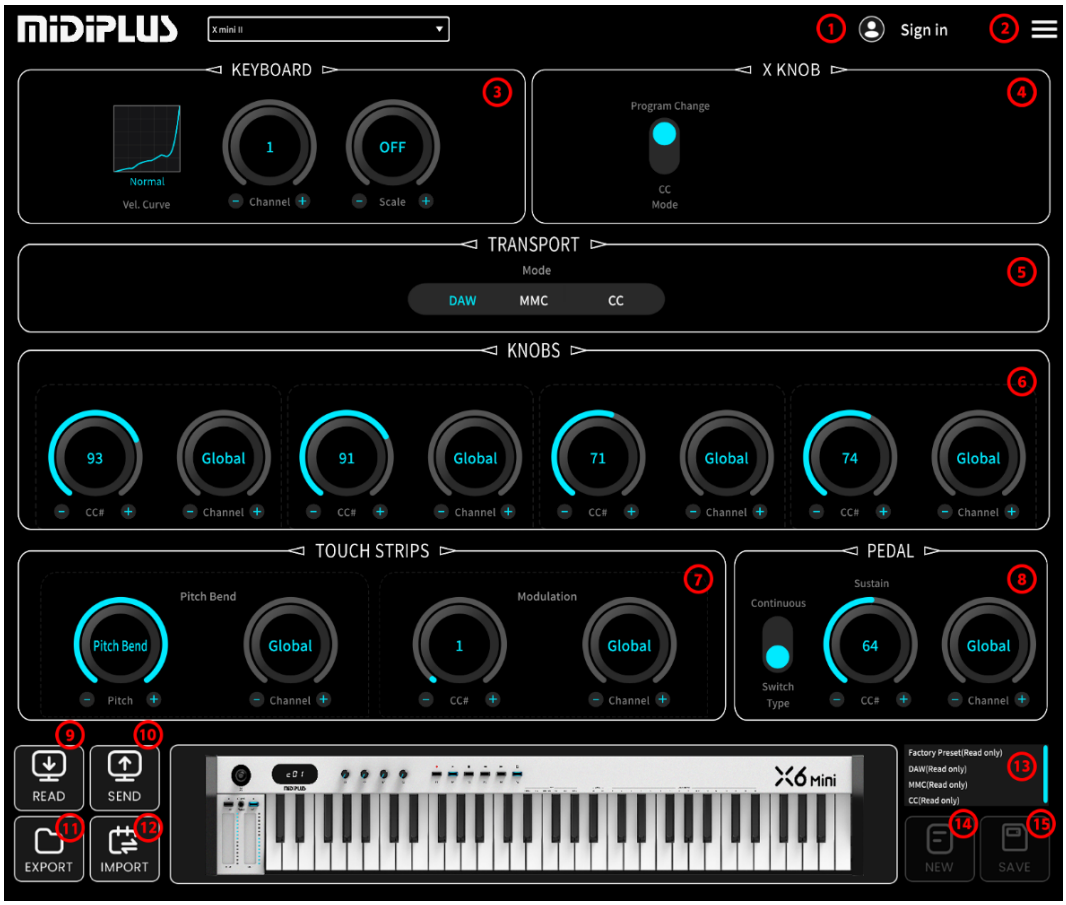


6.12 GarageBand

1. Set the Transport button mode of the X mini II to **MMC** mode. Please refer to 3.2 Changing The Transport Buttons Mode for operation steps

2. Connect the MIDI keyboard to an Apple device to begin using it. For devices with a Lightning port, use the Apple Lightning to USB 3 Camera Adapter

7. Midiplus Control Center



Midiplus Control Center is a configuration software designed for the X mini II and other MIDIPLUS keyboards, compatible with both Windows and macOS. It allows users to customize keyboard controller base on personal preferences, import/export custom configurations, and update firmware. Below is a detailed introduction to the functional features of the X mini II interface in the Midiplus Control Center:

❶ **User Center:** Register or log in to manage your presets, sync them to the cloud, and load saved presets.

❷ **Menu:** Verify product authenticity, change the software language, and update the software and firmware version.

❸ **keyboard:** Configure the keyboard Velocity Curve, MIDI Channel and Smart Scale setting.

❹ **X Knob:** Configure the mode of X Knob. In CC mode, you can change the CC number and MIDI Channel.

❺ **Transport:** Configure the transport buttons for DAW mode, MMC mode, CC mode. In CC mode, you can assign CC numbers, MIDI channels, and trigger types for each of the 6 transport buttons.

❻ **Knobs:** Assign CC numbers and MIDI channels for the 4 control knobs.

❼ **Touch Strips:** Configure the pitch bend and modulation touch strips by assigning their CC numbers and MIDI channels.

❽ **Pedal:** Set the pedal to switch-type (for sustain pedal) or continuous-type (for expression pedal), and customize its CC number and MIDI channel.

❾ **Read:** Read the current parameter settings from the hardware device.

❿ **Send:** Send the currently configured parameters from the software to the hardware device.

⓫ **Export:** Save the current configuration parameters to a local file.

⓬ **Import:** Load parameters from a local configuration file into the software.

⓭ **Presets List:** Click to load default presets or previously saved presets.

⓮ **New:** Create a new user preset (requires logging in to your account).

⓯ **Save:** Save user-created presets to the cloud.

Note: *1. Please CLICK HERE to download and install the Midiplus Control Center.*

2. The import/export feature allows saving and loading local preset files offline, with no login or network connection needed.

8. Appendix

8.1 Specifications

Model	X mini II
Keyboard	37/49/61 velocity-sensitive slim keys
Maximum Polyphony	64
Display	Nixie tube
Buttons	2 Octave buttons, 1 Transpose button and 6 Transport buttons
Knobs	Clickable encoder and 4 knobs
Connectors	USB port, MIDI OUT, Multi-function Pedal Input
Dimensions (W x D x H)	X3 mini II: 556mm x 140mm x 57mm X4 mini II: 703mm x 140mm x 57mm X6 mini II: 850mm x 140mm x 57mm
Net Weights	X3 mini II: 1.4kg X4 mini II: 1.7kg X6 mini II: 2.0kg

8.2 Screen display and functional interpretation

Display	Description
c01	MIDI Channel 1
SEL	Setting Mode
dAU	DAW Mode
MMc	MMC Mode
cc	CC Mode
Pc	Program Change Mode
nor	The Normal velocity curve of keyboard
SFt	The Soft velocity curve of keyboard
hrd	The Hard velocity curve of keyboard
F IH	The Fixed velocity curve of keyboard
cSt	The Custom velocity curve of keyboard
Pch	Pitch touch strip
GLb	Controller channel follows the keyboard's global channel
rES	Factory resetting
cAL	Expression Pedal Calibration Mode
M In	Minimum Value for Expression Pedal Calibration
MAH	Maximum Value for Expression Pedal Calibration

8.3 Scales

Display	Scale	Description
oFF	-	-
cn 1	China 1	C, D, E, G, A
cn2	China 2	C, E ♭ , F, G, B ♭
JP 1	Japan 1	C, D ♭ , F, G, B ♭
JP2	Japan 2	C, D, E ♭ , G, A ♭
bL 1	Blues 1	C, E ♭ , F, F ♯ , G, B ♭
bL2	Blues 2	C, D, E ♭ , E, G, A
bEb	BeBop	C, D, E, F, G, A, B ♭ , B

UHt	Whole Tone	C, D, E, F♯, G♯, B♭
MEA	Middle East	C, D♭, E, F, G, A♭, B
dor	Dorian	C, D, E♭, F, G, A, B♭
LYd	Lydian	C, D, E, F♯, G, A, B
HAM	Harmonic Minor	C, D, E♭, F, G, A♭, B
M In	Minor	C, D, E♭, F, G, A♭, B♭
PHY	Phrygian	C, D♭, E♭, F, G, A♭, B♭
HUM	Hung Min	C, D, E♭, F♯, G, A♭, B
EGY	Egypt	C, D♭, E♭, E, G, A♭, B♭

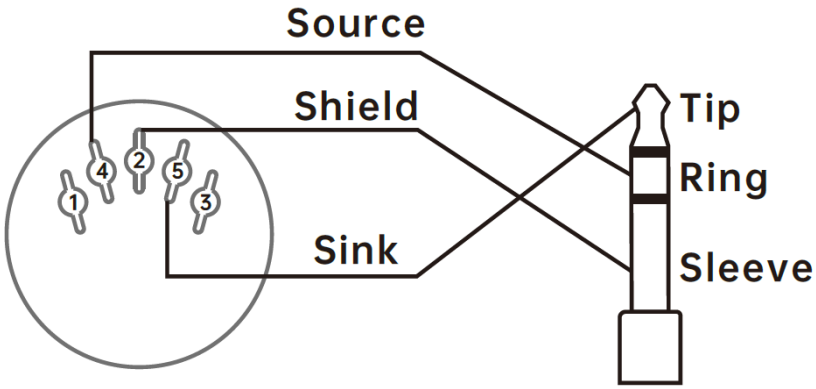
8.4 MIDI CC List

CC Number	Purpose	CC Number	Purpose
0	Bank Select MSB	66	Sostenuto On/Off
1	Modulation	67	Soft Pedal On/Off
2	Breath Controller	68	Legato Footswitch
3	Undefined	69	Hold 2
4	Foot Controller	70	Sound Variation
5	Portamento Time	71	Timbre/Harmonic
6	Data Entry MSB	72	Release Time
7	Main Volume	73	Attack Time
8	Balance	74	Brightness
9	Undefined	75-79	Undefined
10	Pan	80-83	General Purpose Controller 5 ~ 8
11	Expression Controller	84	Portamento Control
12-13	Effect Controller 1 ~ 2	85-90	Undefined
14-15	Undefined	91	Reverb Send Level
16-19	General Purpose Controller 1 ~ 4	92	Effects 2 Depth
20-31	Undefined	93	Chorus Send Level
32	Bank Select LSB	94	Effects 4 Depth

33	Modulation LSB	95	Effects 5 Depth
34	Breath Controller LSB	96	Data Increment
35	Undefined	97	Data Decrement
36	Foot Controller LSB	98	NRPN LSB
37	Portamento LSB	99	NRPN MSB
38	Data Entry LSB	100	RPN LSB
39	Main Volume LSB	101	RPN MSB
40	Balance LSB	102-119	Undefined
41	Undefined	120	All Sound Off
42	Pan LSB	121	Reset All Controllers
43	Expression Controller LSB	122	Local Control On/Off
44-45	Effect Controller LSB 1 ~ 2	123	All Notes Off
46-47	Undefined	124	Omni Mode Off
49-52	General Purpose Controller LSB 1 ~ 4	125	Omni Mode On
53-63	Undefined	126	Mono Mode On
64	Sustain	127	Poly Mode On
65	Portamento On/Off		

8.5 MIDI DIN to 3.5mm TRS Adapter

X mini II features a 3.5mm mini jack MIDI OUT, if you want to connect to the standard 5 pin MIDI IN, you need to use a 3.5mm TRS to MIDI DIN adapter, please note that there are 3 most common type adapter, make sure you are using the Type A, the MIDI-pin arrangement as below:



MIDI 4 (Source) > TRS Ring

MIDI 2 (Shield) > TRS Sleeve

MIDI 5 (Sink) > TRS Tip

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