X8 MAX H

User Manual

MIDIPLUS

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Introduction

Thank you for purchasing the **X8H Max** MIDI keyboard. It has 88-key hammer action FATAR full-weighted keybed with velocity-sensitive and aftertouch. They come with over 200 built-in voices, equipped with pitch bend and modulation wheels, transport controls, encoders, and pads. In addition, the **X8H Max** is compatible with many popular DAWs. It offers 20 smart scales, including Chinese Pentatonic, Japanese, Blues and more. With four velocity response curves, including Grand Piano, Orchestra, Synth and Max Fixed, it provides an enhanced user experience. Please read this guide carefully before use to get started quickly.

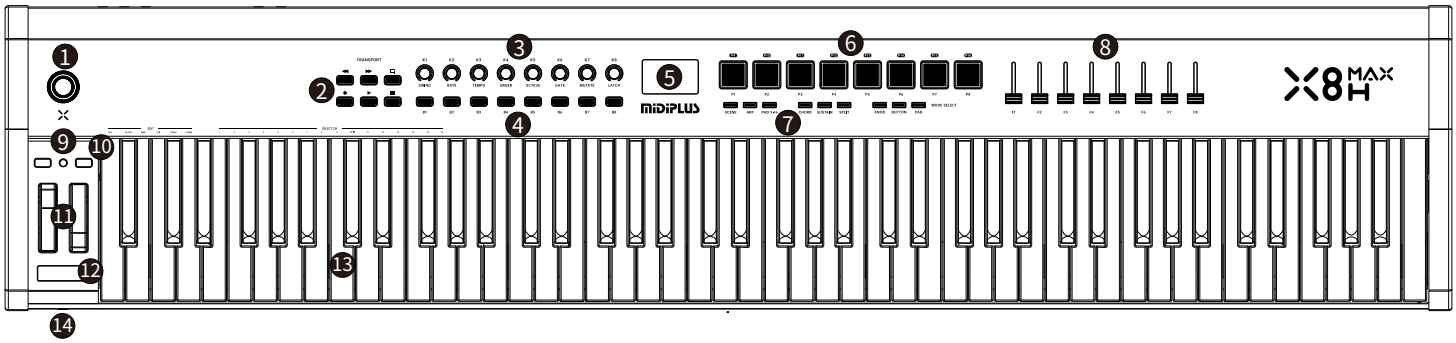
Important Notes:

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 the illustrations.
2.Always follow the instructions on the device.
3.Before cleaning the device, always remove the batteries and the USB cable. When cleaning, use a soft and dry cloth. Do not use gasoline, alcohol, acetone, turpentine or any other organic solutions; do not use a liquid cleaner, spray or cloth that's too wet.
4.Disconnect the USB cable and remove the batteries if not used for extended periods.
5.Do not use the device near water or moisture, such as a bathtub, sink, swimming pool or similar place.
6.Do not place the device in an unstable position where it might accidentally fall over.
7.Do not place heavy objects on the device.
8.Do not place the device near a heat vent at any location with poor air circulation.
9.Do not open or insert anything into the device that may cause a fire or electrical shock.
10.Do not spill any kind of liquid onto the device.
11.Do not expose the device to hot sunlight.
12.Do not use the device when there is a gas leak nearby.

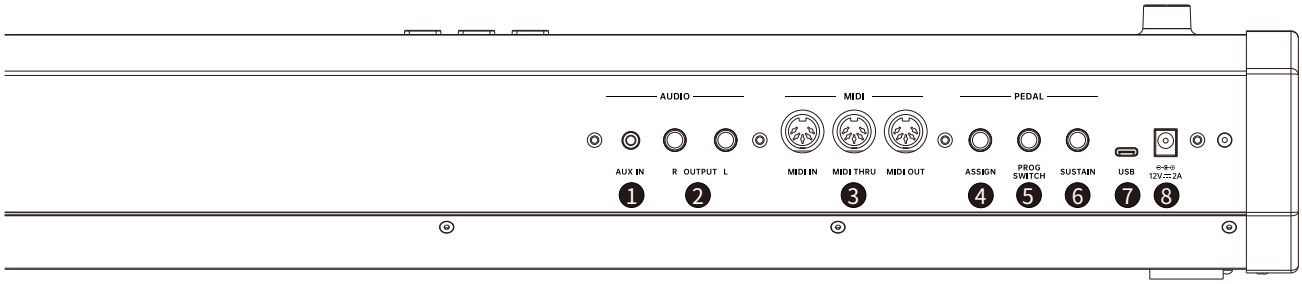
1. Overview

1.1 The Top Panel



❶ **X knob:** For controlling DAW and software instrument parameters or setting the keyboard parameters.
❷ **Transport buttons:** For controlling the transport of DAW.
❸ **Knobs:** For the control of DAW and software instrument parameters.
❹ **Buttons:** For the control of DAW and software instrument parameters.
❺ **Display:** Provides real time feedback of control information.
❻ **Pads:** Send channel 10 instrument notes.
❼ **Function buttons:** For controlling the keyboards function.
❽ **Faders:** For the control of DAW and software instrument parameters.
❾ **Transpose button:** Activate keyboard's semitone control.
❿ **Octave buttons:** Activate keyboard's octave control.
⓫ **Pitch & Modulation wheel:** For controlling the pitch bend and modulation parameters of the sound.
⓬ **X band:** For controlling the expression of sounds.
⓭ **Keyboard:** Trigger notes on/off, also can be used as shortcuts to access edit more parameters.
⓮ **Headphone:** For access to 6.35mm headphones.

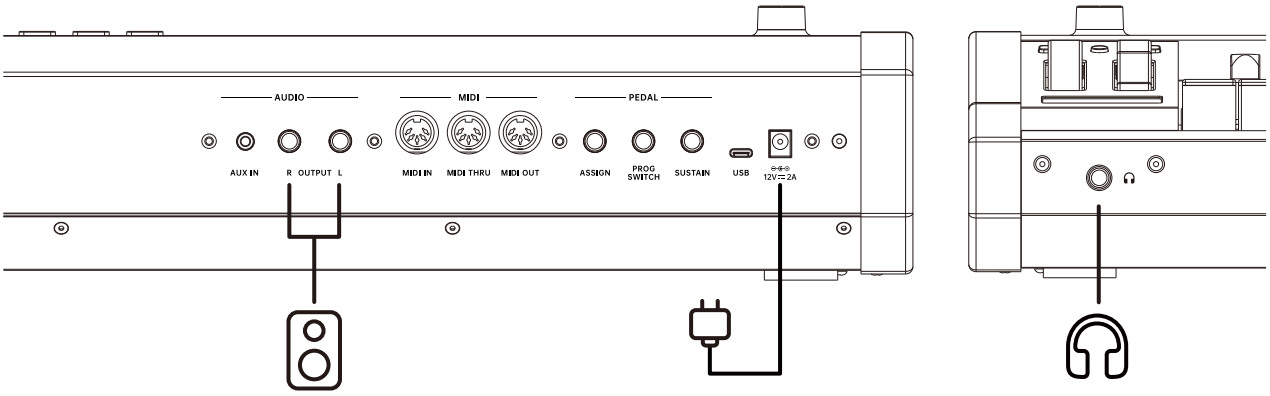
1.2 The Rear Panel



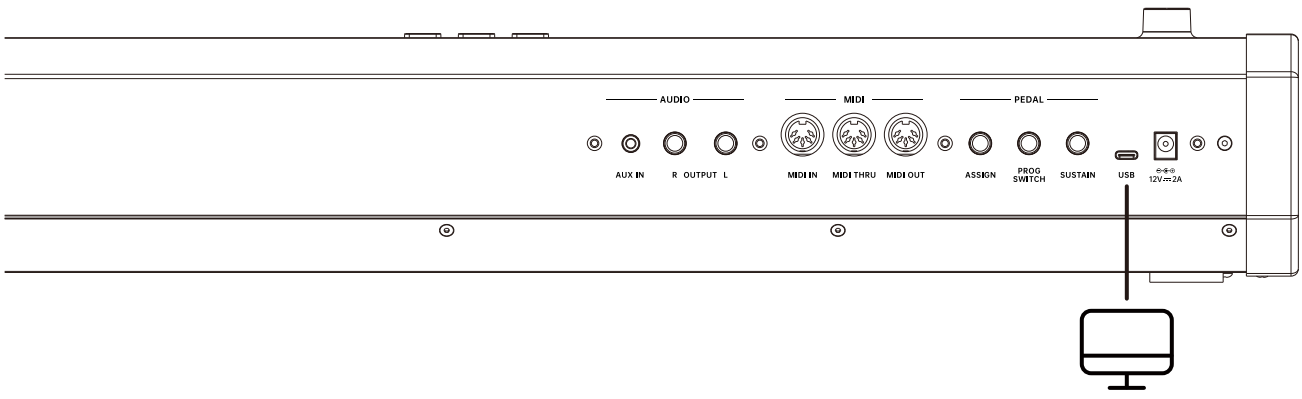
❶ **AUX IN:** Stereo audio input. External devices can be connected **(TRS cable only).**
❷ **OUTPUT L/R:** Use balanced cable for connecting active speaker.
❸ **MIDI IN/THUR/OUT:** Receive or send MIDI message, connect the external MIDI device.
❹ **ASSIGN:** Assignable pedal input, connect an expression pedal by default.
❺ **PROG SWITCH:** Assignable pedal input, connect a program change pedal by default.
❻ **SUSTAIN:** Assignable pedal input, connect a sustain pedal by default.
❼ **USB:** Connect to your computer, this port provides both power and MIDI data.
❽ **DC:** Connect the power adapter.

2. Guide

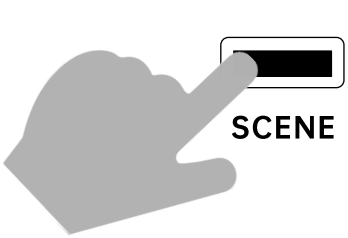
2.1 Ready to use

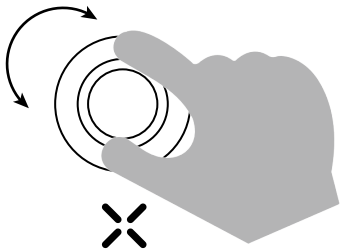


Play in standalone: Please use the included power adapter to connect the **X8H Max**, at the same time, please plug your headphones into the headphone jack of the **X8H Max**. Alternatively, you can connect to the active speaker through the rear OUTPUT L/R jacks, turn the X knob to select a voice and start playing.

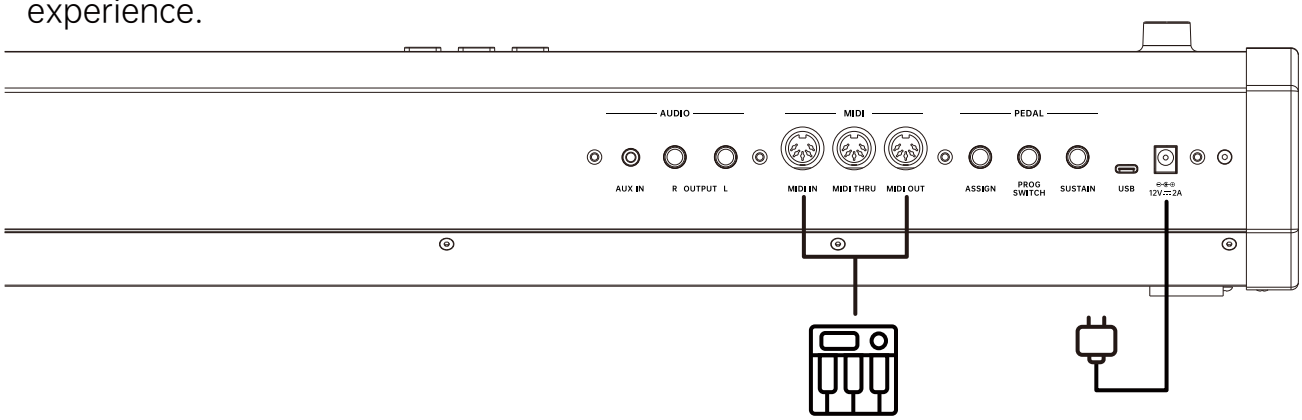


Connect to a Computer: Please use the included USB cable to connect the **X8H Max** to your computer. The **X8H Max** is a plug-and-play device on both Windows and Mac OS, and it will automatically install the necessary drivers without any additional installation. After launching your DAW software, select the **X8H Max** as your MIDI input device to get started.





Select a scene: **X8H Max's** default scene is Performance, which is designed for standalone use for practice and performance. When you connect **X8H Max** to your computer and use DAWs, you can press the SCENE button and then turn the X knob to select the scene that corresponds to your DAW software for a better experience.



Use with external MIDI device: Use the included power adapter to connect the **X8H Max**, and then connect the **X8H Max's** MIDI OUT/MIDI IN jacks to the MIDI jacks of an external MIDI device using a 5-pin MIDI cable (not included).

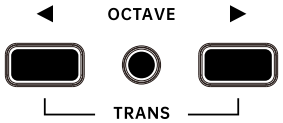
2.2 X Knob

The X knob has two working mode, the default mode is General Mode, long press about 0.5 seconds to switch to Setup Mode, which allows you to set the keyboard's relevant parameter options, for more details please refer to 4. Setting Mode.

Normal Mode: Turn the X knob to switch sound. Mode change when using some of the function buttons and key sub-functions.

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

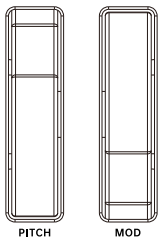
2.3 Transpose and Octave



Pressing the ◀ or ▶ button to shift the octave range of keyboard, when activated, the selected octave button will light up, press the ◀ and ▶ buttons simultaneously to 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, at this time press the **TRANS button** once to turn off the shift temporarily, press the **TRANS button** again to restore the shift memory of the last shift, and press the **TRANS button** to reset the shift setting, the **TRANS button** light will indicate that the shift has been activated with bright orange, the button light will indicate that there exists a shift memory with 70% bright orange, and the button light will indicate that the shift has not been activated or that the shift is zero with dark orange.

2.4 Pitch and Modulation



Two wheels allow for real-time **pitch bend** and **modulation control**.

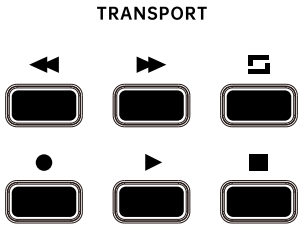
Rolling up or down on the **Pitch** wheel will raise or lower the pitch of the selected tone. Pitch defaults to the middle position and will automatically return to the middle point when you release your hand.

Rolling up on the Modulation wheel increases the amount of modulation on the selected sound. **Mod** defaults to the bottom position and will remain in the last position when you release your hand.

2.5 X band

X8H Max keyboard has a capacitive touch strip for real-time expression control. Sliding left or right on the **X band** will raise or lower the expression. Leftmost is 0, default is the max. Sliding left or right, the parameters will remain in the last position touched by you release your hand.

2.6 Transport Buttons



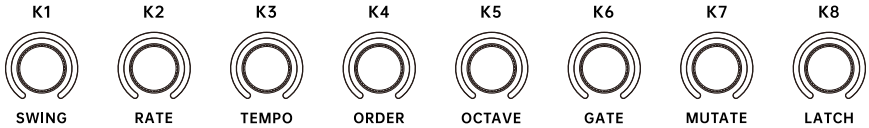
X8H Max keyboard has 6 transport buttons with two mode: **Performance** (default) and **DAWs** mode. Pressing the **SCENE button**, you can change different DAWs mode. Please refer to 3.1 SCENE Button for detailed operation.
The transport buttons in **Performance mode** have an undefined MIDI CC number, you can map within the DAW software based on your personal usage habits.

In **DAWs mode**, these buttons controls the transport of DAWs, Please refer to 6. DAW Settings for detailed operation steps.

Button	DAW Mode	Performance mode（MIDI CC)
◀◀	Rewind	CC116
▶▶	Fast Forward	CC115
⮌	Cycle	CC114
●	Record	CC117
▶	Play	CC118
■	Stop	CC119

You can change the buttons' MIDI CC (Continuous Controller) number to control other functions via the configuration software **MIDIPLUS Control Center**. Please refer to 7. MIDIPLUS Control Center for detailed operation.

2.7 Knobs



X8H Max keyboard has 8 assignable **knobs** with three mode: Performance (default), DAWs and ARP mode. The control functions of each knob are as follows:

Knob	Function	MIDI CC Number
K1	Portamento Time	CC05
K2	Portamento Control	CC84
K3	Timbre/Harmonic Intens	CC71
K4	Brightness	CC74
K5	Chorus Send Level	CC93
K6	Reverb Send Level	CC91
K7	Pan	CC10
K8	Channel Volume	CC07

You can change the knobs' MIDI CC (Continuous Controller) number to control other functions via the configuration software **MIDIPLUS Control Center**. Please refer to 7. MIDIPLUS Control Center for detailed operation.

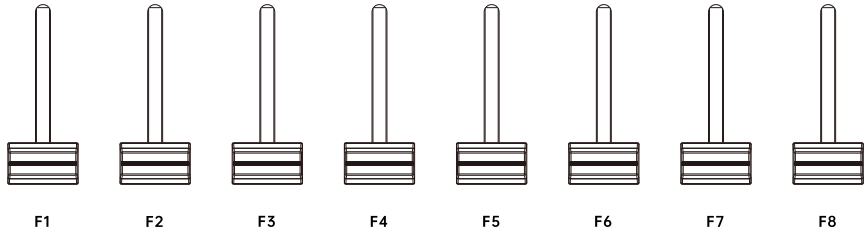
2.8 Buttons

X8H Max keyboard has 8 assignable **buttons** with three mode: Performance (default), DAWs and Program Change mode. The control functions of each button are as follows:

Button	Function	MIDI CC Number
B1	Portamento On/Off	CC65
B2	Sostenuto On/Off	CC66
B3	Soft Pedal On/Off	CC67
B4	Legato FootControl	CC68
B5	General Purpose Controller 5	CC80
B6	General Purpose Controller 6	CC81
B7	General Purpose Controller 7	CC82
B8	General Purpose Controller 8	CC83

You can change the buttons' MIDI CC (Continuous Controller) number to control other functions via the configuration software **MIDIPLUS Control Center**. Please refer to 7. MIDIPLUS Control Center for detailed operation.

2.9 Faders

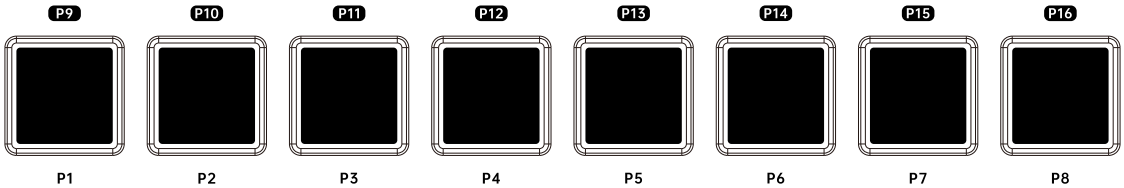


X8H Max keyboard has 8 assignable faders with two mode: Performance (default) and DAWs mode. The control functions of each fader are as follows:

fader	Function	MIDI CC Number
F1	Breath Controller	CC02
F2	Vibrato Rate	CC76
F3	Vibrato Depth	CC77
F4	Celestes Depth	CC94
F5	Tremolo Depth	CC92
F6	Phaser Depth	CC95
F7	Attack Time	CC73
F8	Release Time	CC72

You can change the faders' MIDI CC (Continuous Controller) number to control other functions via the configuration software **MIDIPLUS Control Center**. Please refer to 7. MIDIPLUS Control Center for detailed operation.

2.10 Pads



The **X8H Max** features 8 velocity-sensitive pads with RGB lights, featuring 4 modes that are switched via the PAD button and CHORD button.

Press the **CHORD button** to switch between **Note mode** and **Chord Memory mode**, and press the **PAD button** to switch between **Note mode** and **CC mode**. You can press the **PAD button** to activate the **Chord Trigger mode** after opening the **CHORD button**.

NOTE mode (Default): Press any PAD to play drums, default control MIDI channel 10.

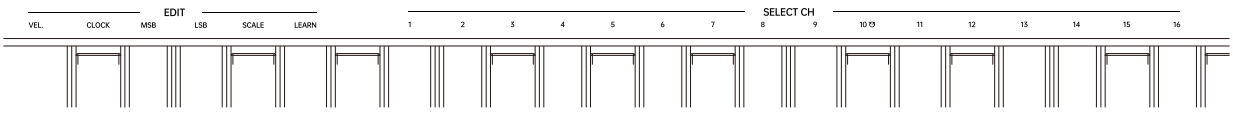
Chord Memory mode: Store chords in the PAD, press any one PAD and play one key to play the chord.
CC mode: Press any PAD send MIDI CC.
Chord Trigger mode: Press any one PAD to play the chord, default control MIDI channel 1.

2.11 Function Buttons

X8H Max keyboard has 9 function buttons, please refer to 3. Function Buttons for detailed operation steps.
SCENE: Change DAW preset.
ARP: Arpeggiator.
PAD 9-16: Page turning of PADs.
CHORD: Switch the PADs to chord memory mode.
SUSTAIN: Sustain on or off.
SPLIT: Keyboard split.
KNOB: Switch the knobs to arpeggiator control.
BUTTON: Switch the buttons to quickly change the sound.
PAD: Switch the PADs to chord trigger and CC mode.

2.12 Keyboard

X8H Max provides 88-key hammer action FATAR fully-weighted keybed. These keys also can be used as shortcuts to set controllers, MIDI channel in Setting Mode, for details, please refer to 4. Setting Mode.



When in Setting Mode, the keys with labeled functions will be used as shortcuts to access the parameters, the labeled keys as follow:
VEL.: Setting the keyboard velocity sensitive curve, select between **Grand Piano**, **Orchestra**, **Synth** and **Max Fixed**. The default is **Grand Piano**.
CLOCK: Setting the ARP clock control, select between **Internal**, **USB** and **MIDI IN**. The default is **Internal**.
MSB: Setting the controller number for "Most Significant Byte" (i.e., MSB) of Bank Select. This message has a range between 0 and 127. The default is 0.

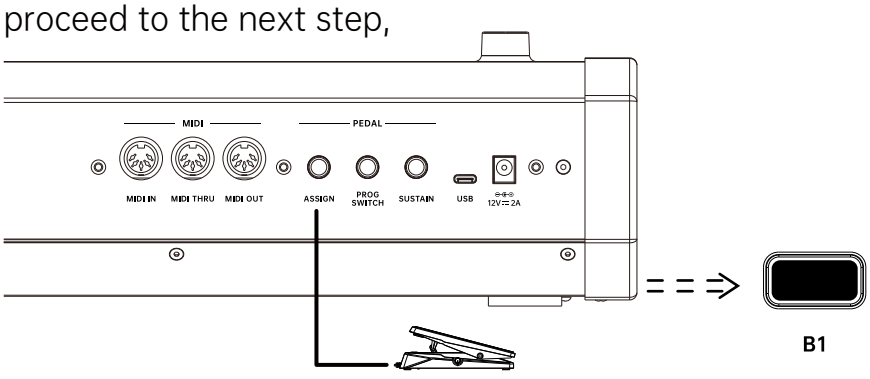
LSB: Setting the controller number for "Least Significant Byte" (i.e., LSB) of Bank Select. This message has a range between 0 and 127. The default is 0.
SCALE: Selecting the build in Smart Scale, when a scale is selected, the scale notes will be mapped on the white keys, for details, please refer to 8.2 Scales, the default is Off.
LEARN: Set the scale mode to **EASY** or **LEARN**.
MIDI CHANNELS: Setting the MIDI Channel of keyboard, the range from 1 to 16,

Note: The keyboard aftertouch can be assigned to any CC controller. The default functions for each scene preset are as follows:

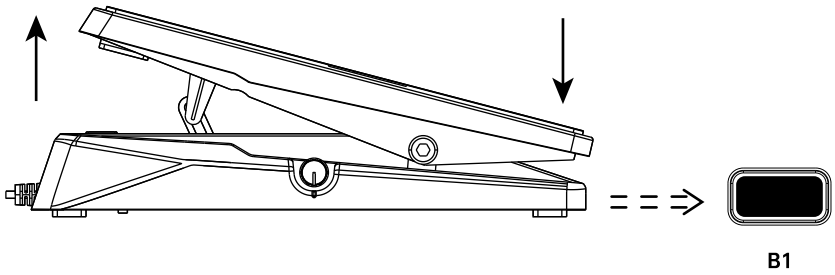
Scene	Aftertouch	Assignable
Performance	CC01	No
Ableton Live	Channel Aftertouch	No
Steinberg Cubase	Channel Aftertouch	No
FL Studio	Channel Aftertouch	No
Logic Pro	Channel Aftertouch	No
Performance1	CC01	Yes
Performance1	CC01	Yes

2.13 Calibrate you Expression Pedal

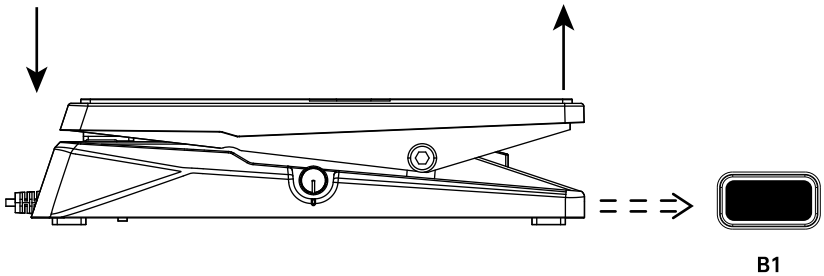
X8H Max features an expression pedal calibration function. You can enter the pedal calibration mode by following these steps: While the device is powered off, press and hold the **X knob** without releasing it. Then, connect the USB/power cable to power on the keyboard. When the calibration screen appears on the display, release the **X knob**. Follow the on-screen prompts to calibrate the expression pedal according to the steps below:
1.Plug the expression pedal into the **ASSIGN** jack of the device and press **B1** to proceed to the next step,



2.Set the expression pedal to its min value (heel down/toe up) and press **B1** to proceed to the next step,



3.Set the expression pedal to its max value (heel up/toe down) and press **B1** to save the calibration data and restart the device.



3. Function Buttons

3.1 SCENE Button

Press the **Scene button**, turn the X knob to switch DAW. Press again to confirm the current selection, and the knobs, buttons, faders and transport buttons become the corresponding DAW control. **X8H Max** keyboard also includes 2 Performance presets and 3 USER presets for users to create their own presets.

3.2 ARP Button

Press the **ARP button** to activate the arpeggiator, and the Knob button will light up. You can press any note to play the arpeggiator, and turn the knobs to change ARP parameters. Please refer to 3.7 KNOB Button for detailed operation of **Knob button**.

3.3 PAD 9-16 Button

PAD 9-16

Press the **PAD 9-16 button** to page turning of PADs, you can turn pages in **note mode, Chord Memory mode** and **Chord Trigger mode**.

3.4 CHORD Button

CHORD

Chord button have 2 function mode:
Short press the button activate **Chord Memory mode**, select any one PAD can play the PAD chord.
Pressing and holding the button to enter **Chord Recording mode**, select any one PAD and the PAD light will flash. Then play any note on the keyboard, and press the PAD to save the chord. Press and hold the chord button again to exit recording, and the chord can be used for **Chord Memory mode** and **Chord Trigger mode**.

3.5 SUSTAIN Button

SUSTAIN

Sustain button has 2 trigger modes:
1.Short press the button to switch on, press again to switch off.
2.Pressing and holding the button without releasing it switches the sustain function on, and releasing it switches it off.

3.6 SPLIT Button

SPLIT

Split button have 2 triggering mode:
Short press button to switch on, the default split point is C4. Any operation after power on will only affect the left partition. Press again to switch off.
If you press and hold the button without releasing it and press any note to change the split point, that note will be the new split point when the button is released.

3.7 KNOB Button

KNOB

When the **Knob button** is pressed, the 8 controller knobs' functions change to ARP parameter control functions. When the **ARP button** is turned on, the **Knob button** is also turned on. The functions of the knobs when the **Knob button** is switched on are as follows.

K1/Swing: Control the swing of even notes. You can select OFF or the range from 51~75, the default is OFF.

K2/Rate: Set the duration of each arpeggiator step. You can select 1/4, 1/4 Triplet, 1/8, 1/8 Triplet, 1/16, 1/16 Triplet, 1/32 or 1/32 Triplet, the default is 1/8.

K3/Tempo: Control the tempo of arpeggiator, and the tempo range is from 30~300 BPM. The default is 120 BPM.

K4/Order: Change the playing order of arpeggiator. You can select Up, Down, EXCL, INCL, Played, Random or Mutate. The default is Up.

Up: Plays the current notes from lowest to highest.

Down: Plays the current notes from highest to lowest.

EXCL: Plays the current notes from lowest to highest and back again, the lowest note and the highest note play once.

INCL: Plays the current notes from lowest to highest and back again, the lowest note and the highest note play twice.

Played: Plays the current notes in the order they were originally played.

Random: Plays the current notes in a random, non-repeating order.

Mutate: Plays the current notes in mutate.

K5/Octave: Control the octave of arpeggiator, and the octave range is from 1~4. The default is 1.

K6/Gate: Control the length of the individual notes, and the range is from 5%~95%. The default is 50%.

K7/Mutate: Control the parameters of mutate, and the range is from 0~100. The default is 0.

K8/Latch: Control the state of arpeggiator when your hands leave the keyboard. You can select OFF and ON, the default is OFF.

3.8 BUTTON Button

BUTTON

8 buttons default CC mode, when the "**BUTTON**" is pressed, the 8 button functions change to quick sound select. Press the "**BUTTON**" again back to the CC mode function of buttons. When the "**BUTTON**" is switched on, the functions of the 8 buttons are as follows.

Number	Sound
B1	Grand Piano
B2	Dyno E.Piano
B3	FM E.Piano DX
B4	Class.Strs&Pad
B5	Class.Polysyn
B6	M12 Brass
B6	Bangdi
B6	Guzheng

3.9 PAD Button

PAD

PAD button has 2 function mode:

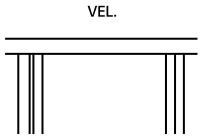
The 1st mode: Press the **PAD button** to switch between **Note mode** and **CC mode**. The first press switches the PAD to **CC mode** and the **PAD button** with bright orange, press any PAD to send MIDI CC. The second press switches the PAD to **Note mode** and the **PAD button** with dark orange, press any PAD to play drums.

The 2nd mode: When the **CHORD button** is open with bright orange, the **Chord Memory mode** of the PAD is activated. Then press the **PAD button**, the **CHORD button** will turn dark orange and the **PAD button** will turn green, PAD will go into **Chord Trigger mode**. In **Chord Trigger mode**, press the **PAD** to play chords directly. Press the **PAD button** again to change to **Chord Memory mode**, the **PAD button** will turn dark orange and the **CHORD button** will turn bright orange, press any one PAD to play one key chord.

4. Setting Mode

In the Setting Mode, you can set your keyboard easily. Long press the X knob for 0.5 second, the knob light breathing when enter the Setting Mode.

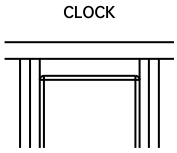
4.1 Changing The Keyboard Velocity Curve



Press and hold the X knob for 0.5 seconds, when the knob light is breathing, follow these steps:

1. Press the key labeled "**VEL.**", the screen displays the currently selected velocity curve,
2. Turn the X knob to select **Grand Piano**, **Orchestra**, **Synth** or **Max Fixed**,
3. Press the X knob to confirm, the screen displays the velocity curve you just selected.

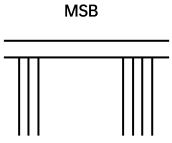
4.2 Changing The MIDI Clock Source



Press and hold the X knob for 0.5 seconds, when the knob light is breathing, follow these steps:

1. Press the key labeled "**CLOCK**", the screen displays the currently selected MIDI clock source,
2. Turn the X knob to select **Internal**, **USB** or **MIDI IN**,
3. Press the X knob to confirm, the screen displays the MIDI clock source you just selected.

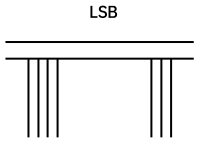
4.3 Changing The Bank MSB



Press and hold the X knob for 0.5 seconds, when the knob light is breathing, follow these steps:

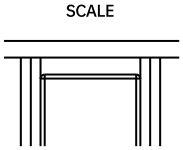
1. Press the key labeled "**MSB**", the screen displays the currently value,
2. Turn the X knob to set the controller number between 0 and 127,
3. Press the X knob to confirm, the screen displays the value you just selected.

4.4 Changing The Bank LSB



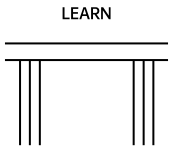
Press and hold the X knob for 0.5 seconds, when the knob light is breathing, follow these steps:
1. Press the key labeled "**LSB**", the screen displays the currently value,
2. Turn the X knob to set the controller number between 0 and 127,
3. Press the X knob to confirm, the screen displays the value you just selected.

4.5 Selecting a Smart Scale



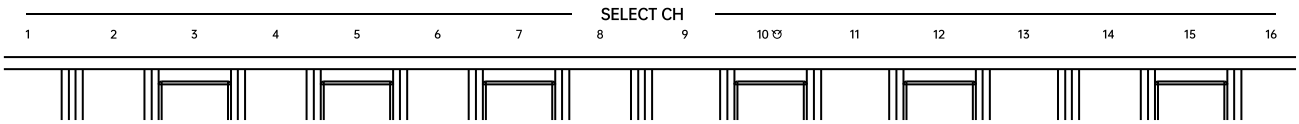
Press and hold the X knob for 0.5 seconds, when the knob light is breathing, follow these steps:
1. Press the key labeled "**SCALE**", the screen displays the currently scale,
2. Turn the X knob to select a scale,
3. Press the X knob to confirm, the screen displays the scale name you just selected.

4.6 Changing The Scale Mode



Press and hold the X knob for 0.5 seconds, when the knob light is breathing, follow these steps:
1. Press the key labeled "**LEARN**", the screen displays the currently scale mode,
2. Turn the X knob to select **EASY** or **LEARN**,
3. Press the X knob to confirm, the screen displays the scale mode you just selected.

4.7 Changing The MIDI Channel



1. Press and hold the X knob for 0.5 seconds, when the knob light is breathing.
2. Press the corresponding note on the keyboard below the MIDI channels you wish to select. 10 for instance, the screen displays "10",

The keyboard will exit the Setting Mode, and the MIDI Channel is changed to channel 10 successfully.

5. Factory Reset

At some point you may wish to reset your device back to factory settings. To perform a factory reset on your X8H Max, please follow these steps:

1. Disconnect the USB cable or power adapter,
2. Press and hold the "**B1**" and "**B2**" buttons,
3. Plug in the USB cable or power adapter,
4. Release the "**B1**" and "**B2**" buttons when the screen displays "**RESET**".

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

**Press and hold the 2 Octave buttons and plug in the USB cable or power adapter, X8H Max will enter update mode. Then plug in the USB cable or power adapter and X8H Max will switch on normally.*

6. DAW Settings

X8H Max keyboard have two mode: Performance mode (default) and DAW mode. In DAW mode, X knob, Tansport buttons, 8 knobs, 8 buttons and 8 faders can be control of some popular DAWs. You need to change **X8H Max** to the corresponding DAW mode, please refer to 3.1 SCENE Button.

Script download from: XMax Script

6.1 Ableton Live

Installation Steps

1. Locate the following directory:

PC Users

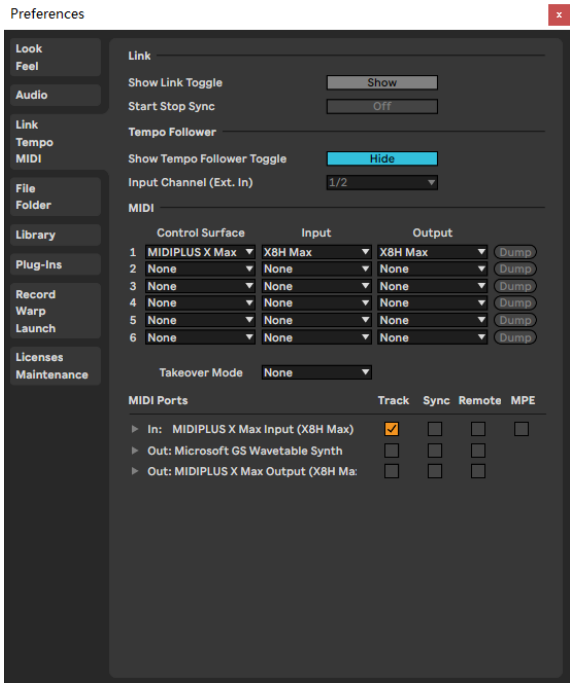
C:\Users\(Your Username)\AppData\Roaming\Ableton\Live (Version Number)\Preferences\User Remote Scripts

Mac Users

mac/Users/(Your Username)/library/preferences/Ableton/Live (Version Number)/User Remote Scripts

On macOS, the Library folder is hidden by default. You can reveal it by holding the Option (Alt) key in Finder → Go.

2. Copy the decompressed script folder (including the outer MIDIPLUS script folder) into the User Remote Scripts folder.
3. Connect the MIDI keyboard to your computer, press the **SCENE** button on the MIDI keyboard, and use the **X knob** to select the **ABLETON LIVE** preset. Then open the Ableton Live software.
4. Open **Options - Preferences** and go to the **Link/Tempo/MIDI** tab.
5. In the **Control Surface** section, select your keyboard model.
6. In the **Input/Output** section, select your MIDI keyboard.
7. Set the **MIDI Ports** as shown in the image below to start using.



Script Features

6 transport buttons correspond to: Rewind, Fast Forward, Loop, Record, Play, and Stop.
8 knobs correspond to: Quick mapping parameters for software instruments and plugins.
8 buttons control mute for 8 tracks.

6.2 Steinberg Cubase/Nuendo

Installation Steps

1. Locate the following directory:

PC Users

C:\Users\(Your Username)\Documents\Steinberg\Cubase\MIDI Remote\DriverScripts\Local

Mac Users

mac/Users/(Your Username)/Documents/Steinberg/Cubase/MIDI Remote/Driver Scripts/Local
If you need to install Nuendo scripts, simply replace Cubase with Nuendo in the path.

2. Copy the decompressed script folder (including the outer MIDIPLUS script folder) into the **Local** folder.
3. Connect the MIDI keyboard to your computer, press the **SCENE** button on the MIDI keyboard, and use the **X knob** to select the **CUBASE** preset. Then open Cubase to start using.

Script Features

The **X knob** rotates to switch tracks; pressing it opens software instruments.
6 transport buttons correspond to: Rewind, Fast Forward, Loop, Record, Play, and Stop.
8 knobs correspond to: Quick mapping parameters for software instruments and plugins.
8 buttons correspond to: **B1:** Undo, **B2:** Redo, **B3:** Solo, **B4:** Mute, **B5:** Metronome, **B6:** MixConsole, **B7:** Export Audio, **B8:** Save Project.
8 faders adjust the volume for the current eight tracks. Use the **X knob** to switch between different track groups, enabling volume adjustment for all tracks in the project.

Note

If the script does not work or is not recognized, please check the following:

1. The **SCENE** button is set to **CUBASE** mode.
2. The MIDI keyboard channel is set to Channel 1. (Long-press the **X knob** and use the keyboard's secondary function to switch channels)
3. Disable and re-enable the script. (Required when reconnecting multiple X8H Max models)
4. Ensure that you are using Cubase 11 or later.

6.3 FL Studio

Installation Steps

1. Locate the following directory:

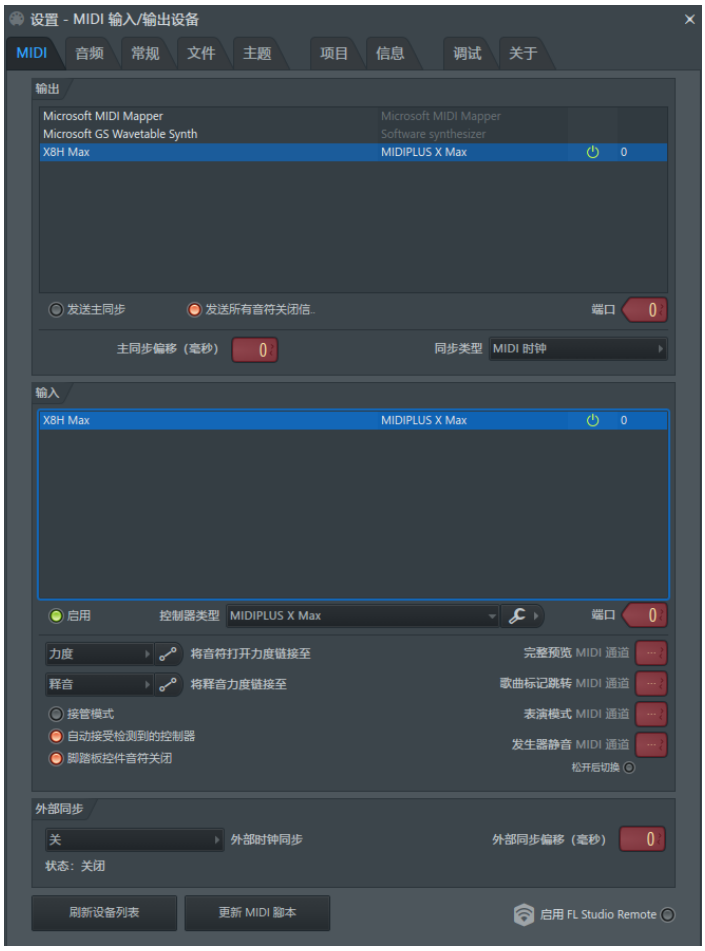
PC Users

C:\Users\(Your Username)\Documents\Image-Line\FL Studio\Settings\Hardware

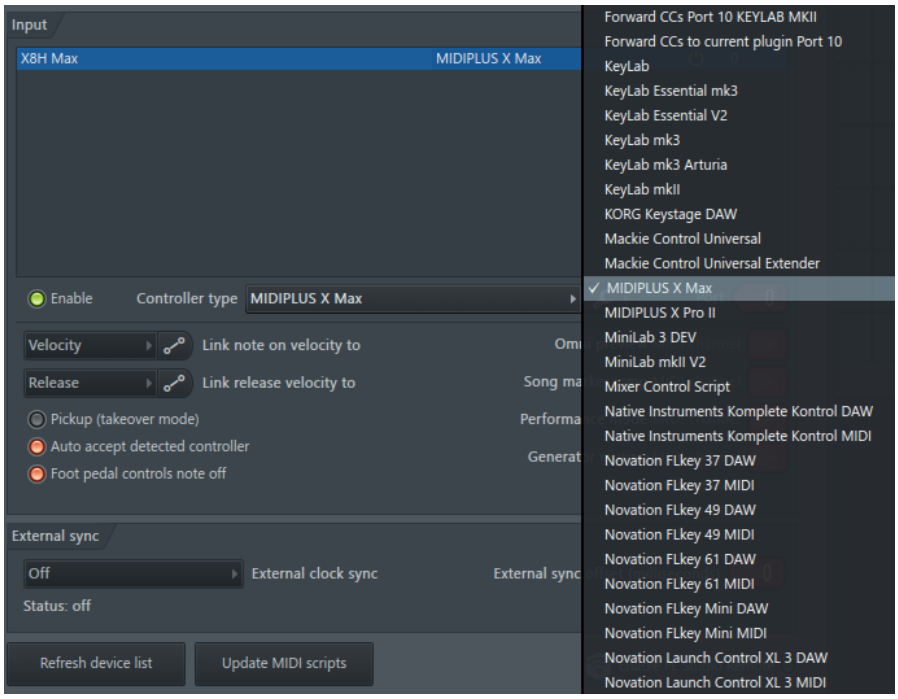
Mac Users

mac/Users/(Your Username)/Documents/Image-Line/FL Studio/Settings/Hardware

2. Copy the decompressed script folder (including the outer MIDIPLUS script folder) into the **Hardware** folder.
3. Connect the MIDI keyboard to your computer, press the **SCENE** button on the MIDI keyboard, and use the X knob to select the **FL STUDIO** preset. Then open FL Studio.
4. Click **Options - MIDI Settings** in the FL Studio.
5. In the **Settings - MIDI Input/Output Devices** window, select the **MIDI** tab, then highlight and select your X8H Max series keyboard in both the **Output** and **Input** sections.



6. In the Controller type dropdown, select the **MIDIPLUS X8H Max** script, set both input and output **Ports** to 0, and click the **Enable** button.



Script Features

The **X knob** rotates to switch channels and control the playback bar; pressing it opens VST instruments.
6 transport buttons correspond to: Rewind, Fast Forward, Loop, Record, Play, and Stop.
8 knobs provide mapping for plugin parameters or panning.
8 buttons correspond to: **B1:** Undo, **B2:** Redo, **B3:** Solo, **B4:** Mute, **B5:** Metronome, **B6:** Toggle between song/pattern mode, **B7:** Switch edit areas, **B8:** Save Project.
8 faders adjust the volume for the current 8 tracks. Use the X knob to adjust the volume for all tracks in the project.

Note

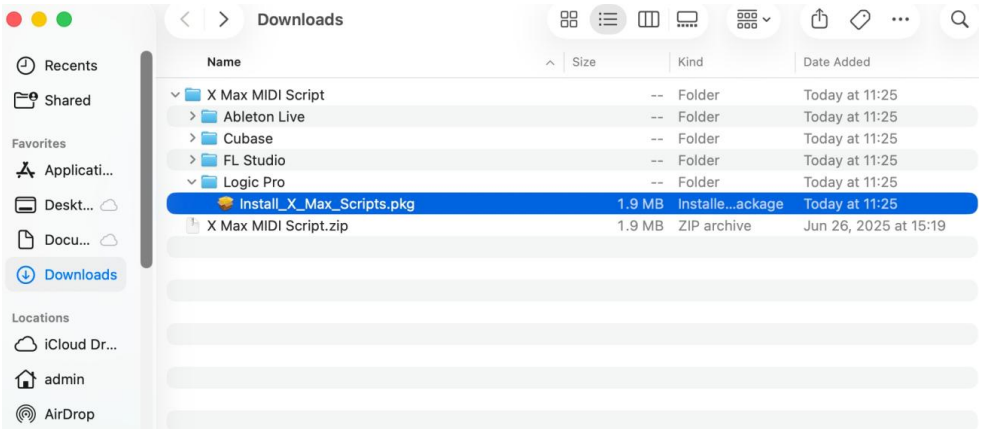
This script requires FL Studio 2024 or later. Earlier versions may have compatibility issues.

6.4 Logic Pro X

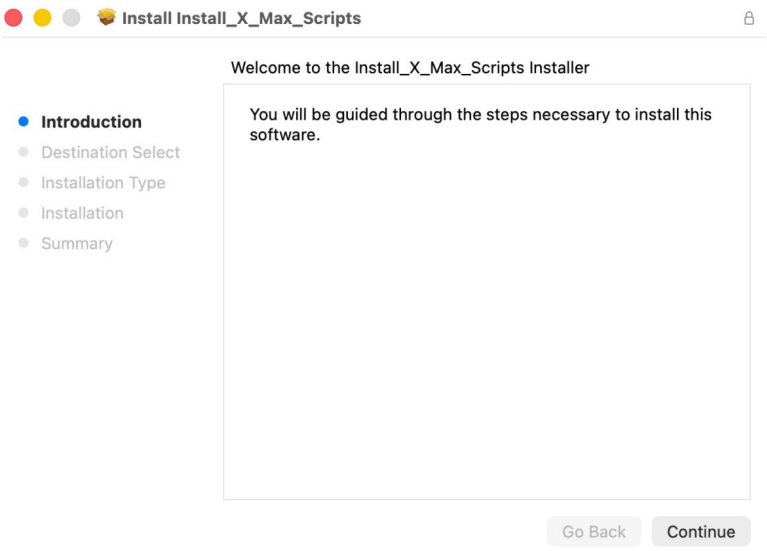
Installation Steps

1. Decompress the script file.

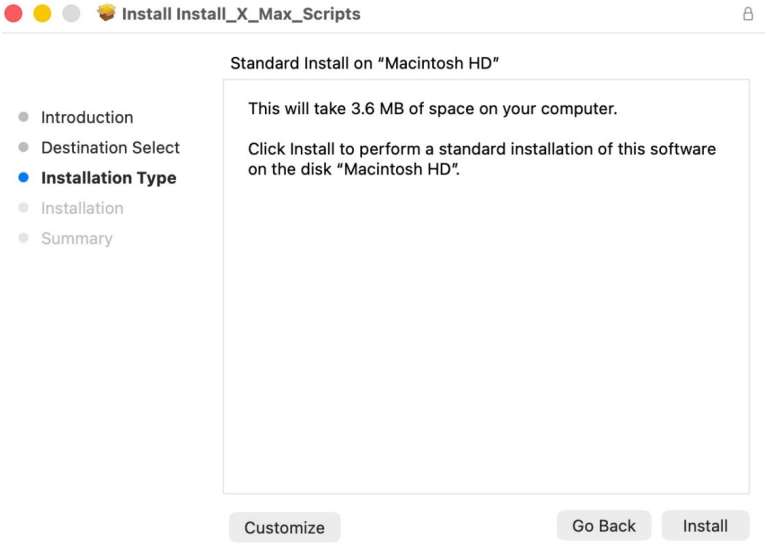
2. Double-click to install the **Install_X_Max_Scripts.pkg.**



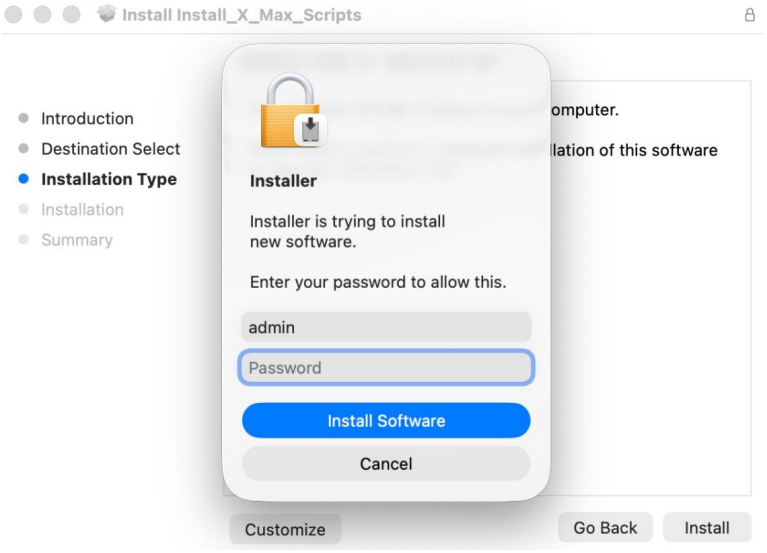
3. Enter the script installer interface and click the **Continue** button.



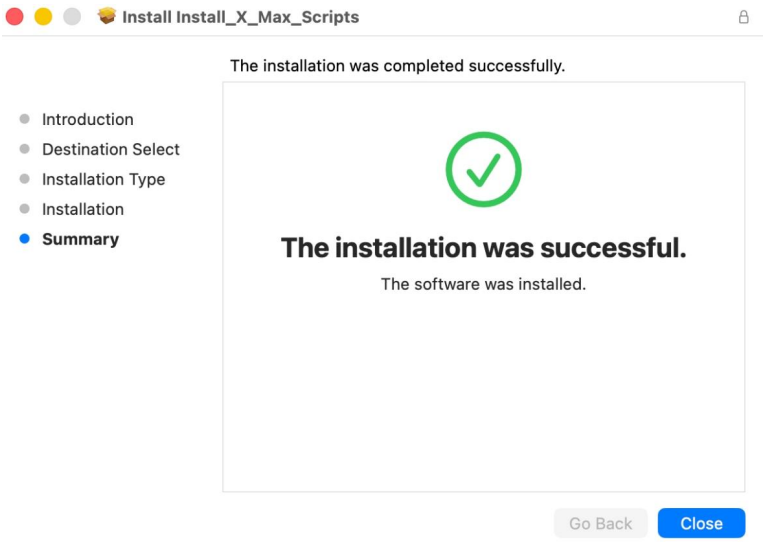
4. Select the installation location, keep the default settings, and click the **Install** button.



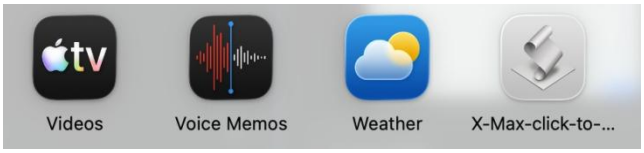
5. Enter your password, then click the **Install Software** button.



6. The installation is successful. **Close** the installer. The app is installed, but the script files are not yet written to the computer. Continue with the next steps.



7. Find **X-Max-click-to-Install** in Applications and click it, then click OK in the pop-up dialog.



8. Connect the MIDI keyboard to the computer, press the SCENE button on the keyboard, and use the **X knob** to select the Logic Pro preset, then launch the host software to start using it.

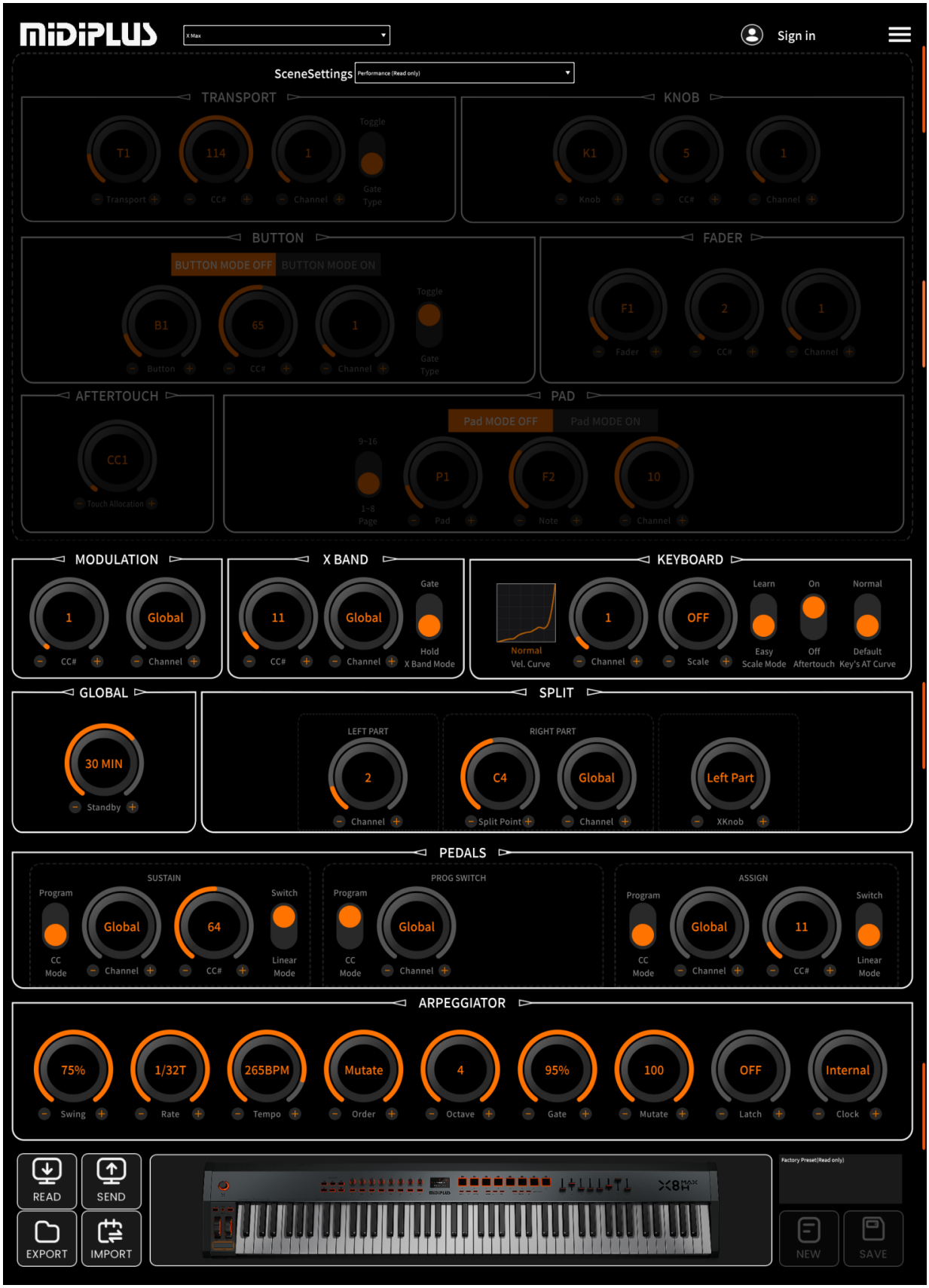
Script Features

The **X knob** rotates to switch tracks; pressing it opens software instruments.
6 transport buttons correspond to: Rewind, Fast Forward, Loop, Record, Play, and Stop.
8 knobs provide mapping for plugin parameters or panning.
8 buttons correspond to: **B1:** Undo, **B2:** Redo, **B3:** Solo, **B4:** Mute, **B5:** Metronome, **B6:** Note Quantize, **B7:** Track/Instrument Switch, **B8:** Save Project.
8 faders adjust the volume for the current 8 tracks. Use the **X knob** to adjust the volume for all tracks in the project.

Note

1. This script is also compatible with GarageBand.
2. It is recommended to use the latest version of macOS and Logic Pro to run this application and script.

7. MIDIPLUS Control Center



1.Scene: You can set the X8H Max to different scenes, the default Performance and DAW scenes cannot be changed. You can select the Performance or User scene to create your own preset, and these presets can be saved in the X8H Max.

① **Tansport:** You can assign the CC number, MIDI Channesl and trigger type for each of the 6 tansport buttons.

② **Knobs:** Assign CC numbers and MIDI channels for the 8 control knobs.

③ **Buttons:** In CC mode (Button mode off), you can assign the CC number, MIDI Channels and trigger type. In program change mode (Button mode on), you can assign the program change number for each of 8 buttons.

④ **Faders:** Assign CC numbers and MIDI channels for the 8 faders.

⑤ **Aftertouch:** You can assign the CC number for keyboard aftertouch.

⑥ **PADs:** In Note mode (PAD mode off), you can assign the note number and MIDI Channels. In CC mode (PAD mode on), you can assign the CC number, MIDI Channels and Pad type.

2.Modulation wheel: You can assign the CC number and MIDI Channel for the modulation wheel.

3.X Band: You can assign the CC number and MIDI Channel for the X Band, and select different trigger modes.

4.Keyboard: You can configure the Vel. Curve, MIDI Channel, Scale, Scale Mode, and aftertouch of keyboard.

5.Stand by: You can configure the stand by time of X8H Max.

6.Split: You can assign the MIDI Channel, split point and controller assign of the left or right part.

7.Pedals: You can configure the mode of 3 pedals. In CC mode, you can assign the CC number and MIDI Channel. In sound mode, you can assign the MIDI Channel.

8.Arpeggiator: You can configure the Swing, Rate, Tempo, Order, Octave, Gate, Mutate, Latch and Clock Source of arpeggiator.

Note: please click here to download the MIDIPLUS CONTORL CENTER.

8. Appendix

8.1 Specifications

Product Name	X8H Max
Keyboard	88-key hammer action FATAR full-weighted keybed with aftertouch
Maximum Polyphony	64
Screen	TFT
Buttons	2 Octave buttons, 1 Transpose button, 6 Transport buttons, 8 Parameter knobs and 9 function knobs
Knobs	1 Clickable encoder and 8 knobs
PADs	8 velocity-sensitive and aftertouch pads with backlit
Faders	8 Faders
Wheels	1 Pitch, 1 Modulation
Touch strip	1 Touch strip
Connectors	USB port, MIDI IN, MIDI THRU, MIDI OUT, Sustain pedal input, Prog Switch pedal Input, Assign pedal input, 2 Balance output, 1 Auxiliary Input and 1 Headphone output
Dimensions (W x D x H)	1336 x 282 x 116 mm
Net Weights	13.3kg

8.2 Scales

SCALE	NOTE
OFF	-
China 1	C, D, E, G, A
China 2	C, E ♭ , F, G,B ♭
Japan 1	C,D ♭ , F, G, B ♭
Japan 2	C, D, E ♭ , G, A ♭
Blues 1	C, E ♭ , F, F ♯ , G, B ♭
Blues 2	C, D, E ♭ , E, G, A
BeBop	C, D, E, F, G, A, B ♭ , B
Whole Tone	C, D, E, F ♯ , G ♯ , B ♭
Middle East	C, D ♭ , E, F, G, A ♭ , B
Dorian	C, D, E ♭ , F, G, A, B ♭
Lydian	C, D, E, F ♯ , G, A, B
Harmonic Minor	C, D, E ♭ , F, G, A ♭ , B
Minor	C, D, E ♭ , F, G, A ♭ , B ♭
Phrygian	C, D ♭ , E ♭ , F, G, A ♭ , B ♭
Hungarian Minor	C, D, E ♭ , F ♯ , G, A ♭ , B
Egypt	C, D ♭ , E ♭ , E, G, A ♭ , B ♭
Vaporwave	C, D, E ♭ , G, B ♭
Dangerous	C, D, F ♯ , A
Ryukyu Island	C, D, E, G, B
Cowboy	C, D, E ♭ , F, G, B ♭

8.3 MIDI CC List

CC No.	Control Function	CC No.	Control Function
0	Bank Select MSB	65	Portamento On/Off
1	Modulation	66	Sostenuto On/Off
2	Breath Controller	67	Soft Pedal On/Off
3	Undefined	68	Legato FootControl
4	Foot Controller	69	Hold 2
5	Portamento Time	70	Sound Variation
6	Data Entry MSB	71	Timbre/Harmonic Intens.

7	Channel Volume	72	Release Time
8	Balance	73	Attack Time
9	Undefined	74	Brightness
10	Pan	75	Decay Time
11	Expression Controller	76	Vibrato Rate
12	Effect Controller 1	77	Vibrato Depth
13	Effect Controller 2	78	Vibrato Delay
14 ~ 15	Undefined	79	Sound Controller 10
16	General Purpose Controller 1	80	General Purpose Controller 5
17	General Purpose Controller 2	81	General Purpose Controller 6
18	General Purpose Controller 3	82	General Purpose Controller 7
19	General Purpose Controller 4	83	General Purpose Controller 8
20 ~ 31	Undefined	84	Portamento Control
32	Bank Select LSB	85 ~ 90	Undefined
33	Modulation LSB	91	Reverb Send Level
34	Breath Controller LSB	92	Tremolo Depth
35	Undefined	93	Chorus Send Level
36	Foot Controller LSB	94	Celestes Depth
37	Portamento LSB	95	Phaser Depth
38	Data Entry LSB	96	Data Increment
39	Channel Volume LSB	97	Data Decrement
40	Balance LSB	98	NRPN LSB
41	Undefined	99	NRPN MSB
42	Pan LSB	100	RPN LSB
43	Expression Controller LSB	101	RPN MSB
44	Effect Controller 1 LSB	102 ~ 119	Undefined
45	Effect Controller 2 LSB	120	All Sound Off
46 ~ 47	Undefined	121	Reset All Controllers
48	General Purpose Controller 1 LSB	122	Local Control On/Off
49	General Purpose Controller 2 LSB	123	All Notes Off
50	General Purpose Controller 3 LSB	124	Omni Mode Off
51	General Purpose Controller 4 LSB	125	Omni Mode On
52 ~ 63	Undefined	126	Mono Mode On
64	Sustain	127	Poly Mode On

8.4 Voice List

Number	Name	Number	Name	Number	Name
Piano		31	Vibraphone 2	61	12 String Guitar 2
1	Grand Piano	32	Marimba	62	Santur
2	Grand Piano 2	33	Marimba 2	63	Santur 2
3	Grand Piano 3	34	Xylophone	64	Mandolin
4	Grand Piano 4	35	Tubular Bell	65	Jazz Guitar
E.Piano		36	Tinkle Bell	66	Hawaiian Guitar
5	Dyno E.Piano	**Organ**		67	Clean Guitar
6	Dyno E.Piano 2	37	Hammond Organ	68	Clean Guitar 2
7	Elec.Grand 80	38	Hammond Organ 2	69	Chorus Guitar
8	A200 E.Piano	39	Percussive Organ	70	Chorus Guitar 2
9	A200 E.Piano 2	40	Rock Organ	71	Muted E.Guitar
10	FM E.Piano DX	41	Church Organ	72	Funk Guitar
11	FM E.Piano SA	42	Church Organ 2	73	Overdrive Guitar
12	FM EP Soft	43	Organ 109	74	Overdrive Guitar 2
13	FM EP Hard	44	60's Organ	75	Distortion Guitar
14	E.Piano	45	Even Bar	76	Guitar Harmonics
15	E.Piano 2	46	Organ Bass	77	Guitar Feedback
16	E.Piano 3	47	Organ	**Bass**	
17	E.Piano 4	48	Detuned Organ	78	E-Bass
18	E.Piano 5	49	Rotary Organ	79	E-Bass 2
19	60's E.Piano	50	Rotary Organ 2	80	Acoustic Bass
20	Detuned EP	51	Reed Organ	81	Fingered Bass
21	Detuned EP 2	**Accordion & Harmonica**		82	Fingered Bass 2
22	Detuned EP 3	52	French Accordion	83	Picked Bass
23	Harpsichord	53	Harmonica	84	Picked Bass 2
24	Harpsichord 2	54	Bandoneon	85	Picked Bass 3
25	Clavinet	**Guitar**		86	Fretless Bass
Percussion		55	Nylon Guitar	87	Slap Bass
26	Celesta	56	Nylon Guitar 2	88	Slap Bass 2
27	Glockenspiel	57	Ukulele	89	Slap Bass 3
28	Music Box	58	Steel Guitar	90	Atmosphere
29	Music Box 2	59	Steel Guitar 2	91	TB303 Bass
30	Vibraphone	60	12 String Guitar	92	Tekno Bass

93	Tekno Bass 2	127	Choir Aahs	160	Oboe
94	Seq 303 Overdrive	128	Rotary String	161	Piccolo
95	Seq 303	129	Voice Oohs	162	Flute
96	Reso SH Bass	130	Synth Voice	163	Recorder
97	Modular Bass 2	**Brass**		164	Pan Flute
98	Seq Bass	131	Trumpet	165	Bottle Blow
99	Analog Bass	132	Trumpet 2	166	Whistle
100	Rubber Bass	133	Flugel Horn	167	Ocarina
101	SH101 Bass	134	Bright Trumpet	**Synth & Pad**	
102	SH101 Bass 2	135	Muted Trumpet	168	OB Lead
103	Synth Bass	136	Muted Trumpet 2	169	Saw Lead
104	Synth Bass 2	137	Trombone	170	Square Lead
105	Synth Bass 3	138	Tuba	171	Chiffer Lead
106	Synth Bass 4	139	French Horns	172	Square Wave
107	Synth Bass 5	140	Brass Section	173	Sine Wave
108	Synth Bass 6	141	Brass Section 2	174	Saw Wave
109	Synth Bass 7	142	M12 Brass	175	Solo Syn.Vox
110	Smooth Bass	143	Synth Brass	176	5th Saw Wave
Strings & Choir		144	Synth Brass 2	177	Bass & Lead
111	Violin	145	Synth Brass 3	178	Soft Pad
112	Viola	146	Synth Brass 4	179	OBX Softpad
113	Cello	**Woodwind & Others**		180	Hook
114	Contrabass	147	Soprano Sax	181	K500 Bell
115	Tremolo Strings	148	Soprano Sax 2	182	Fantasia Pad
116	Pizzico Strings	149	Alto Sax	183	Syn.Calliope
117	Harp	150	Alto Sax 2	184	Bow.Glass Pad
118	Classic String+Pad	151	Tenor Sax	185	Soundtrack
119	String Ensemble	152	Breathy Tenor	186	Warm Pad
120	Classic Poly Synth	153	Baritone Sax	187	Polysyn.Pad
121	Orchestra	154	Baritone Sax 2	188	Space Vox Pad
122	Slow String Ensemble	155	English Horn	189	Halo Pad
123	OB String	156	English Horn 2	190	Sweep Pad
124	Synth Strings	157	Bassoon	191	Brightness
125	Synth Strings 2	158	Clarinet	192	Goblin
126	Synth Strings 3	159	Bass Clarinet	193	Echo Drops

194	Echo Pan	203	Qudi	**Drum Kit**	
195	Star Theme	204	Bangdi	1	Standard Kit
World		205	Bawu	2	Room Kit
196	Sitar	206	Hulusi	3	Power Kit
197	Banjo	207	DongXiao	4	Electro Kit
198	Shamisen	208	Erhu	5	TR808 Kit
199	Koto	209	Matouqin	6	Jazz Kit
200	Taisho Koto	210	Guzheng	7	Brush Kit
201	Kalimba	211	Suona	8	Orchestra Kit
202	Bagpipe	212	Xun		

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v1.0.3