iCON Pro Audio

# aio2

**A Compact All-in-One Audio Control Hub that includes:**

- **2-channel recording interface**
- **3.9 inch Full-Touch Control Screen**
- **Physical Encoder knob**

**For precise control of Pro Quality I/O and DAW software.**
**Built for Creators, Streamers and Musicians on the move!**




User manual

# Contents


Safety Precautions ..... 3
Introduction ..... 6
What's in the package? ..... 6
Register your ICON ProAudio product to your personal account ..... 7
aio2 Technical Specifications: ..... 8
Overview ..... 9
Features ..... 11
How to Set up and Use the aio2 ..... 12
The Audio Signal Path ..... 15
Connecting the aio2 to a Computing Device for Operation ..... 16
Connecting the aio2 to a Mobile Device for Streaming ..... 16
Using the aio2 as an Audio Interface with a Digital Audio Workstation (DAW) ..... 17
Using the aio2 with OTG ..... 18
Using the aio2 with OTG, continued ..... 19
Using iO Core with the aio2 ..... 20
Top Panel - Main Window ..... 21
Output Panel ..... 23
Input Panel ..... 24
Front Panel ..... 25
Bottom Panel ..... 25
Top Panel - Settings Window ..... 26
Top Panel - Transport Window ..... 27
Top Panel - Controller ..... 28
Top Panel - Plugin ..... 29
iO Core for aio2 ..... 30
iMap for aio2 ..... 31
Firmware upgrade ..... 33
Preference Settings in your DAW ..... 36
Digital Performer 11 ..... 42
Harrison Mixbus 32C ..... 46
Pro Tools ..... 47
Reaper ..... 48
Reaper- Part 2 ..... 49
Reason ..... 50
Samplitude ..... 51
Studio One ..... 52
Tracktion Waveform ..... 53
Smart Install - Introduction ..... 54
Smart Install - Windows ..... 56
Smart Install - Mac ..... 57
Services ..... 58

# Safety Precautions

Read these Usage and Safety Precautions carefully before use to ensure proper handling of the product. This document uses symbols to highlight important precautions aimed at preventing harm or damage to users or others due to improper use. Below are the symbols and their meanings:

⚠ **WARNING**
Indicates actions that may result in severe injury or death.

⚠ **CAUTION**
Indicates actions that may lead to injury or equipment damage.

**Other symbols used**
⊘ Indicates a prohibited action.
❗ Indicates an action that is mandatory.

⚠ **WARNING:**

■ **Power** (Refer to the manual for detailed information on applicable power sources).

❗ Always use the specified power supply adapter (specific to the product).

⊘ Never exceed the ratings of outlets and other electrical wiring equipment.

❗ Prior to using equipment in a foreign country or region with a different electrical voltage, always consult with your local iCON distributor/retailer that carries iCON Pro Audio products or iCON Pro Audio support. Always use the approved, appropriate adapter as specified by iCON Pro Audio.

❗ Carefully study the warning indications regarding the AC power supply before use.

## ■ Temperature

❗ This device may generate a slight amount of heat on its bottom side, approximately 30-40°C depending on ambient temperature. If the device emits more heat than this and if you are in anyway concerned, disconnect the device and contact iCON's tech support team who will be happy to advise you regarding next steps.

## ■ Repairs and Alterations

⚠ Do **not** open the case or make a repair to the device yourself. **Always** refer repairs or required alteration to iCON Pro Audio's tech support.

## ■ Connecting cables and devices

❗ Ensure all equipment is **powered off** before connecting any cables or external devices.

❗ Disconnect all cables and accessories before moving the device to avoid damage.

## Microphones

- **Turn off** the power to all devices **before** connecting any microphone
- Handle microphone plugs gently to prevent damage

## Volume

- Avoid prolonged use at high volume levels to protect your hearing.

# Precautions for Operational Use

## Interference

This product is designed to limit electromagnetic emissions and resist external interference. However, placing it near devices that are highly sensitive to interference or emit strong electromagnetic waves may cause disruptions. If interference occurs, increase the distance between this product and the other equipment. Try reorienting the devices, changing frequency/channel (if appropriate).

Electromagnetic interference can affect any electronic device, potentially causing malfunctions, data corruption, or other issues. Exercise caution when using this product in proximity to other electronic devices.

## Cleaning

To clean the exterior, use a soft, dry cloth If required, very slightly dampen a suitable cloth.
For rubber or silicone components, gently clean with a damp, lint-free cloth.
Avoid abasive cleaners, waxes, or solvents such as alcohol, benzene or paint thinners.

## Temperature

Prolonged use may cause the device to feel warm. This is normal as long as it remains safe to touch. If you judge the equipment to be too warm, turn the device off, disconnect from the mains supply and/or remove batteries (removeable batteries only - do not attempt to remove built-in batteries). Contact the iCON tech support department for guidance.

## Malfunction

In the event that the device malfunctions or is damaged, immediately turn it off, disconnect the power source, remove batteries, and unplug all cables and connected devices. Contact iCON Pro Audio technical support.

## ⚠ CAUTION:

### ■ How to Handle the Product

❗ Handle the product carefully to prevent drops, bumps, or applying excessive force to the unit. Avoid allowing liquids or foreign objects to enter the unit.

### ■ Operational environment

⊘ Do not use in extremely high or low temperatures.

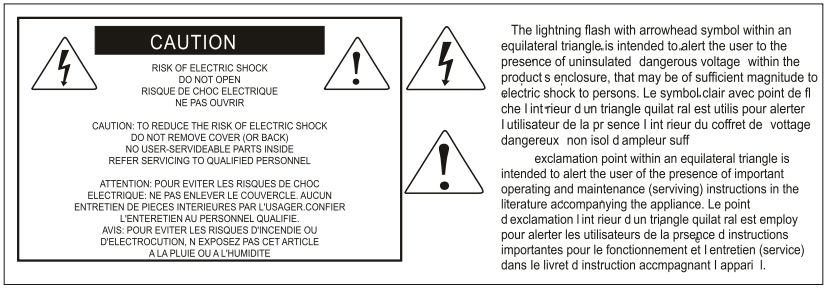
⊘ Do not use near heaters, stoves and other heat sources

⊘ Avoid high humidity or areas prone to water splashes.

⊘ Avoid areas with excessive vibration, dust, or sand.

## In addition, please....

1. Do not block any ventilation openings or interfere with the proper ventilation of this unit. Install in accordance with the manufacturer's instructions.
2. To avoid the risk of electrical shock, do not touch any exposed wiring while the unit is in operation.
3. Only use attachments/accessories specified by iCON.




**WARNING: To reduce the risk of fire or electric shock, do not expose this unit to rain or moisture**

# Introduction

Firstly, congratulations on your purchase of the iCON aio2. In this manual, you'll find a detailed description of its features, uses and a full list of specifications.

Please register the product on our website at the link below **www.iconproaudio.com/registration**

As with most electronic devices, we strongly recommend you retain the original packaging. In the unlikely event that the product is returned for servicing, the original packaging (or reasonable equivalent) is required. With proper care and adequate air circulation, your aio2 unit will operate flawlessly for many years to come.

We trust that this product will provide years of excellent service, but in the unlikely event that your product does not perform to the highest standard, every effort will be made to address the issue.

# What's in the package?

- aio2 Audio Interface
- 1 USB-C cable
- 1 OTG cable
- 1 micro XLR male to to XLR female audio cable



# Register your ICON ProAudio product to your personal account

1. **Check serial number of your device**
   Please go to http:// iconproaudio.com/registration or scan the QR code below.



   Input your device's serial number and the other information on the screen. Click "Submit".

   A message will pop up showing your device information such as model name and its serial number - Click "Register this device to my account". if you see any other message, please contact our after-sales service team

2. **Log in to your User Center for existing users or sign up as a new user**

   Existing user: Please log into your personal User Center by inputting your user name and password.

   New user: Please click "**Sign Up**" and fill in all the information.

3. **Download all useful materials**
   All of the devices registered to your account will show on the page. Each product will be listed along with all of its available files such as drivers, firmware, user manuals in different languages, bundled software, etc. for download.

# aio2 Technical Specifications:

**Audio to Digital Conversion (ADC)**
Dynamic Range ..... 11 6dB (A-weighted)
Signal-to-Noise Ratio ..... -116dB (A-weighted)
Total Harmonic Distortion (THD+N)..... -108dB (@-1dBFS)

**Digital to Audio Conversion (DAC):**
Dynamic Range ..... 116dB (A-weighted)
Signal-to-Noise Ratio ..... -116dB (A-weighted)
Total Harmonic Distortion (THD+N)..... -110dB (@-1dBFS)

**Microphone Input (XLR, Balanced):**
Frequency Response ..... 20Hz-20kHz (±0.25dB)
Equivalent Input Noise (EIN) ..... 127dBu (A-weighted)
Dynamic Range ..... 113dB
Total Harmonic Distorion + Noise (THD+N) 107dB (A-weighted)
Input Impedance ..... 2kQ
Maximum Input Level ..... 5dBu
Gain Range ..... 3dB- +62dB (+20dB digital gain)
Gain Range (Digital). ..... OdB-20dB
Phantom Power: ..... +48V (+4V, 8mA)

**Instrument Inputs(6.35 TS, Unbalanced)**
Frequency Response ..... .20Hz-20kHz ±1.2dB
Dynamic Range ..... 93dB (A-Weighted)
THD+N ..... 76dB (A-Weighted)
Input Impedance ..... 100kQ
Maximum Input Level ..... -3.5dBu
Gain Range ..... 4dB- 34dB (+20dB digital gain)

**Headphone Output (3.5mm Stereo, Unbalanced)**
Frequency Response... ..... 20Hz-20kHz (+0.06dB)
Dynamic Range. ..... 110dB (A-Weighted)
THD+N. ..... 105dB (A-Weighted)
Channel Separation ..... 137dB@1kHz
Output Impedance. ..... 1Q
Maximum Output Level ..... 298mW+298mW@320
..... 192mW+192mW@ 64Q
..... 140mW+140mW @100Q
..... 52mW+52mW@300Q
..... 27mW+27mW @ 600Q

**UNI OTG:**
Interface. ..... USB Type-C/USB 2.0 (480 Mbps)
Dynamic Range.. ..... 140dB (A-Weighted)
Channel Separation ..... 125dB@ 1kHz
Bit Depth/Sample Rate ..... 16, 24, 32 bit/ 44.1kHz to 384kHz

**Power Supply Requirements:**
Interface Type ..... USB Type-C

**Power Supply Recommendations:** For optimal audio quality we recommend connecting via USB 3.0 interface to ensure sufficient power.

# Overview




The aio2 is a 2 channel Audio Control Hub specifically designed for the self-contained creator that combines Professional quality components, Powerful internal processing and handy Practical controls into a sturdy, stylish and compact package. The aio2 is a perfect companion for the PC-centered musician, Web streamer or Presenter who needs a high-quality Audio signal chain, Digital Processing muscle and an easy-to-use control panel for their most used adjustments.

The aio2 is easy to set up, easy to use, stable to work with, and it delivers superlative results in the palm of your hand.

## Pro Quality Audio Signal Chain

**Ultra-high Dynamic Range** of up to 116 dB means that the aio2 can capture everything from gentle breathing to pounding drums in full detail, enhancing your immersive audio experience.

**Powerful Microphone Gain** is provided by a two stage mic preamp that adds 20dB of digital gain on top of a robust analog stage. Even soft, subtle sounds are captured with fullness and clarity.

**Professional Grade Sampling Rates** of 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, 176.4 kHz, 192 kHz and 384kHz are all supported along with up to 32-bit precision coding to ensure the highest fidelity, and file compatibility with most audio applications.

**Clean and Quiet Performance** from the ai02 is a real thing, with a signal-to-noise ratio of 116 dB, and Total Harmonic Distortion (plus Noise) as low as -108 dB.

**Loud Clean Output** comes from upgraded headphone drivers that provide remarkably high output without cracking or distorting; ensuring trustworthy monitoring and good sound quality to audiophiles and music lovers alike.

## High Powered Performance

**Powerful Internal Processing** means that the aio2 is more than just an audio interface. It's a Compact Control Hub that handles both audio signal flow and MIDI powered DAW controls in a handheld, portable design.

**Real-Time Control of Multiple Audio Sources** can be achieved during recording or live streaming. The aio2 can independently control microphone, instrument, OTG and headphone volume as well as effects, plug-ins and mixers to quickly adapt to different creative scenarios.

**Built-in UNI™ (OTG) Lossless Streaming** allows mobile computing devices like your phone or tablet to interact with the aio2. OTG, or "On-The-Go", operation in the ai02 is designed to be ultra stable. UNI OTG ensures the integrity of data streamed between your aio2, laptop, tablet or phone, and helps to reduce dropouts and jitter. For more information on using OTG refer to page 17 of this document.

## Practical Set-up and Usage

**Intelligent Control at Your Fingertips** comes from a 3.9 inch **Full Touch Interface** (FTI). Operation is as smooth as a smartphone and complex audio settings can be adjusted with a light touch of the fingertips.

**The Precision Encoder Knob** is accurately scaled to enable precise adjustment of selected microphone inputs or instrument volume outputs. It can also control other selected parameters.

**Stylish, Sturdy and Compact:** The aio2's palm-sized form factor means it fits easily into pockets or backpacks. It's lightweight, easy to carry and takes up very little space. The magnetic ring and mounting socket featured on the bottom shell are compatible with commonly available mounts, brackets and tripods.

**Adjustable for Deeper Control:** The aio2 comes with iMap, a software application that can map the aio2's controls to specific functions in your Digital Audio Workstation (DAW) enhancing your audio quality and creativity. It also comes with iO Core, an application that acts as a separate control panel for Audio preferences and controls in your aio2 when you aren't using a DAW

Simplicity and functionality is at the heart of the design - whether you are a podcaster, recording musician, radio broadcaster, karaoke enthusiast or liveact - the ai02 can adapt to your needs

# Features

## Main features include:

- 3.9 inch Illuminated touch screen provides access to functions.
- Hardware Control encoder knob for precise control of selected functions
- 1 mini XLR input
- 1 3.5mm Stereo Input
- 1 6.35mm Stereo Input
- 63dB Analog Mic gain coupled with an additional 20dB of digital gain
- Pro level Digital to Analog Conversion (DAC) - 116dB
- Pro level Analog to Digital Conversion (ADC) - 116dB
- UNI™ OTG USB-C connection for easy streaming to mobile devices.
- USB-C connection for PC/Mac or for direct connection to your mobile phone (for use with iO Core software on a computer)
- USB-C buss power
- 2 3.5mm headphone outputs
- Internal +48V Phantom Power for condenser microphones
- Ultra-low distortion
- Compact size - ideal for remote locations with a laptop
- Ideal for compact studio set ups
- iCON Pro Audio's proprietary software iO Core available for download
- iCON's self-developed, high quality UNI™ OTG cable is available for purchase separately

## Note to New Users - Get to know your aio2

The aio2 is as handy as a Swiss-Army knife and it has as many functions, but it may seem a little complicated at first. The following pages will describe:

- The featured controls
- The companion software that connects the aio2 to your PC/Mac
- How to install that software and use it in your set up
- Some suggestions on using it to enhance your audio creativity.

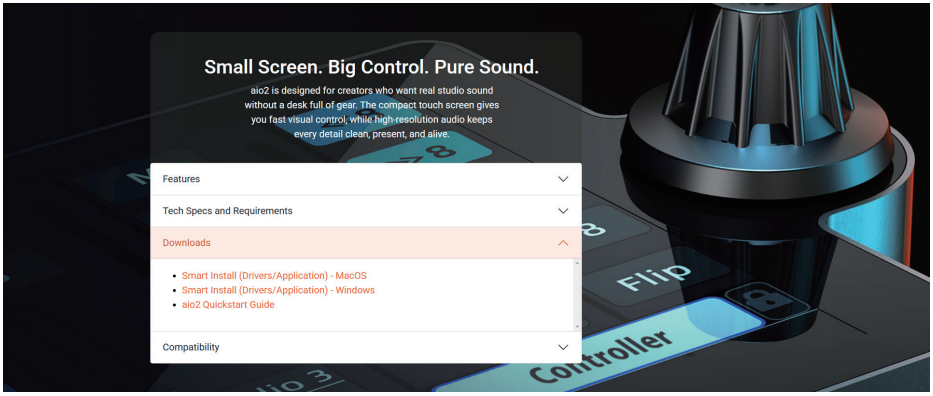
Take the opportunity to familiarize yourself with the aio2's functionality before using it under the hot lights of a live performance or a critical session. It will save you time, enhance your creativity and, quite possibly, save the show.

# How to Set up and Use the aio2

The aio2 is designed to work simply and directly. It delivers pro quality audio performance in a compact package. Here is a list of setup and work-flow tips to help maximize its performance and save you time.

1. **Connect** the aio2's USB port to your computer's USB-C port. Your computer will power the aio2. Use a USB 2.0 cable capable of 480Mbps data transfer rate no longer than 2 meters.

2. In your web browser go to **iconproaudio.com/product/aio2/**. Find and select the **Downloads** tab. Under the **Downloads** tab you will find links to the Smart Install app for both MacOS and Windows. Select the appropriate version for your computer and run it following the on-screen directions. (For a more detailed guide to the Install process see pg. 31)




3. If you are on a Windows computer you need to download and run iO Core. iO Core works as a **Control Panel** for your aio2 Use it for changing operational preferences like sample rate, bit depth and buffer size. It is downloaded to your system along with the ASIO drivers your system needs to operate the aio2. If you are on a Mac, your computer should recognize the aio2 automatically. Download and use iO Core to adjust your hardware settings.

4. If you are using a DAW (Digital Audio Workstation), open the application. Once it has loaded, check its **Preferences** window/menu. Make sure that the audio **input** and **output** are set to the aio2. You will want to make sure that the proper sample rate for your session is selected.

5. Also, in your DAW's **Preferences**, you should make sure that the aio2 is selected and recognized as a **MIDI input** and a receiver of **MIDI output**. This is necessary in order for the aio2's controller functions to work.

6. Download the iMap for aio2 application from the iCON Pro Audio website. In the row labeled **Control Mode**, select **MCU** from the first dropdown menu, then select your DAW application from the available list in the second window. iMap will map the aio2's controls to the corresponding parameters in your DAW. Use the **HUI** setting to work with Pro Tools or another HUI compatible platform. Consult your DAW manual for specific requirements.

## How to Set up and Use the aio2,... continued

7. Once **Preferences** are set properly, you should be able to create a new channel in your DAW, select your device as its input and any signal level coming from the mic input will register on the meters.

8. Plug a **microphone** into the Input 1 Mic jack using the included 3-pin mini XLR cable. If you are plugging in an **instrument**, or a **dynamic microphone** wired to accommodate a 1/4 inch/6.35mm jack, plug into Input 2. If you are using something with a smaller 3.5 mm connector like an iCON AirMic Pro **wireless receiver**, plug into the center 3.5mm input jack.

9. Tap the **Main** tab on the touchscreen to access the **Main** Screen. Here you can adjust **Mic** and **Instrument** level inputs, the output level to your **OTG** device and **Headphone/Monitor** output level.




10. If you have connected a condenser microphone, press the **48V Phantom Power** button to supply operating power to it. **DO NOT** engage **48V Phantom Power** if you are using a dynamic microphone as this can cause damage. Check your mic manufacturer's user guide if you are unsure. The **Phantom Power** supply only works on Input 1.

11. **Plug in** your headphones or speakers with the volume turned down, to avoid ear or speaker damage.

12. **Route** your audio signal to your DAW or Streaming software.

13. When you are **Streaming** by using a separate mobile device like a phone or tablet, connect that device to aio2's **USB** port. It is generally best to activate your streaming software only **AFTER** making this connection.

14. Check your levels. Press the **PC** button and it will change to say **DIR**. Gradually increase the **Mic Input gain** and the **headphone gain**. If connected properly you will hear whatever the mic picks up. Press the button again and it will display PC to hear all audio signals coming from your PC. Your Mic signal will be audible if it is properly routed through your DAW.

## How to Set up and Use the aio2,... continued

15. Press the **Physical Encoder Knob** inward to step through and select the channel you wish to control. Then dial the knob to adjust the level setting. If you would like the **Main** screen to default to **Touch Screen Operation**, this can be changed using the **Enable Touch Gain** Adjustment in the aio2's iMap software.

16. If you are not using a DAW, but streaming directly with OTG and need to check your input and output signals, open the iO CORE application. You will be able to gauge your **Input level** and set parameters like sample rates and **buffer size** from here.

17. If you have not done so yet, configure your aio2's controls for your DAW using iMap. None of the following steps will work until you have configured the DAW controller by selecting the **MIDI input** and **MIDI Outputs** using the iMap software. (see Step 5)

18. Tap the T**ransport** tab to access the controls that will control your DAW's **Play, Stop, Rewind, Fast Forward** and **Record** functions.

19. Tap the **Controller** tab at the bottom of the screen to access controls that will adjust channel levels inside of your DAW.

20. Tap the **Plugin** tab to access controls that will give you access to parameter controls inside of the DAW plugin you select in your PC. These controls may work differently inside of different DAW applications.

21. You are ready to roll!

# The Audio Signal Path

## Input

The aio2 Audio Signal Path is engineered to deliver professional quality results no matter what microphone or signal source you feed into it.

Input 1's mini XLR connection is ideal for any type of microphone and is able to provide 48v phantom power to condenser mics. Use the cable included with your aio2 to connect a standard XLR Microphone to the Mini XLR input.

Input 2's 1/4 inch (6.35mm) unbalanced connection is ideal for instruments, synthesizers and drum machines. It will also accept signals from dynamic microphones which do not require phantom power, but there may be a slight loss in signal quality when compared to plugging into Input 1.

The third input is a 1/8 inch (3.5 mm) connection suitable for line level output devices such as iCON's AirMic Pro wireless microphone receivers, or other audio devices which use this output type. This third input shares the same signal path as Input 2 and its signal will register on Channel 2's VU meter.

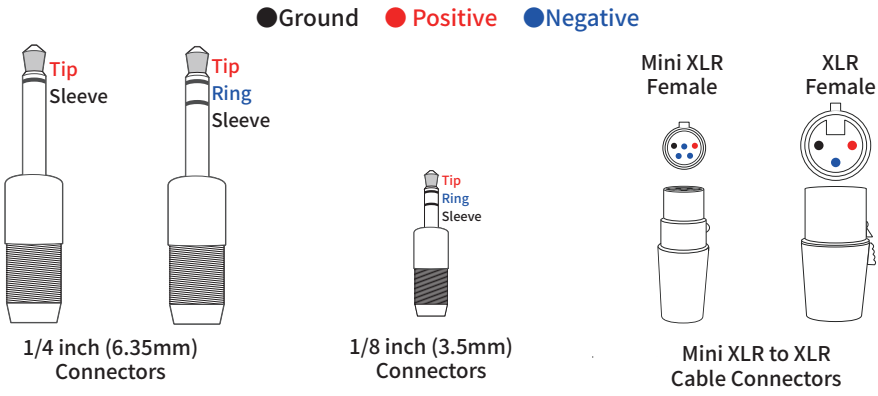
## Output

Audio output is available at either of the two 1/8 inch (3.5mm) stereo output jacks marked with headphones on the side of the aio2. Both jacks share the same output so two users can monitor the same program under separate headphones. You can also use one of these outputs to send stereo output to channels in a mixer, or to a pair of powered monitor speakers using an appropriate "Y" connector. This can be handy in live performance, presentation or lecture applications.







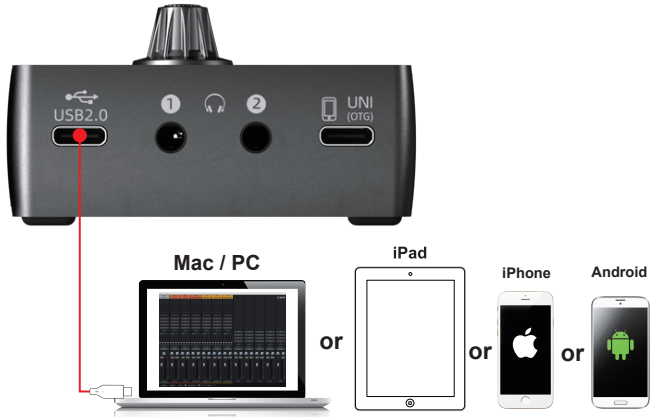


# Connecting the aio2 to a Computing Device for Operation

Connect your aio2's USB port to your PC or Mac's USB 2.0 port. The aio2 will transmit and receive audio data and control parameters to and from your DAW. It will also be powered by this connection. Note that the USB port is slightly recessed within the case to ensure a more reliable connection. Some USB-C cables may not fit. Use a USB-C cable that has:

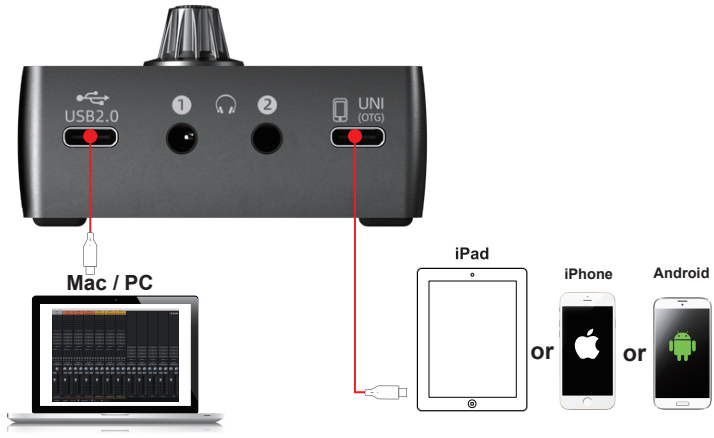
- Copper shielding
- 480Mbps Data
- 5V/2A Power/Durrent Capacity
- 1.3m Maximum Cable length
- 10.5 x 6.0mm physical connector dimensions

Compatible cables are available from you iCON Pro Audio dealer.




# Connecting the aio2 to a Mobile Device for Streaming

To Stream content to the Internet, connect your tablet or phone to the aio2's UNI OTG port.



# Using the aio2 as an Audio Interface with a Digital Audio Workstation (DAW)

When connected to your PC (or Mac) the aio2 becomes an extension of your audio application. Since there are a large number of audio applications available you may need to adjust a few things to ensure a smooth workflow. You will need to be familiar with your software's preference settings and iCON's aio2 iO Core software.

1. Once things are plugged in and the application is running, check your DAW's preference settings. The exact layout will vary from application to application but the functions are largely the same. Make sure that the aio2 is set as both the INPUT and OUTPUT device.
2. Create a new audio track and give it a unique name. Set its Input as Channel 1 if you are recording from the aio2's microphone input. Set its Input as Channel 2 if you are recording from a Line In signal on Channel 2. Your Channel's output should default to the aio2 due to your preferences setting.
3. Arm the track so that it's ready to record. You can do this either in the DAW or in the aio2's Controller window by pressing the Record Ready button of the matching channel.
4. Tap the Transport Tab to open the Transport window. Pressing the Record button will start the recording. Press Stop when you are finished.

For more information on the aio2's Transport, Controller, and Plugin controls go to page 28, 29 and 30.

# Using the aio2 with OTG

"OTG" connectivity is available via the **aio2**.

"OTG" stands for "On-The-Go". It is a feature available on many modern smartphones and tablets. OTG allows these devices to act as "hosts", enabling them to connect and interact with various USB peripherals.

"UNI" is iCON's own, improved method of OTG connection using advanced coding. The **aio2**'s 'UNI OTG' capability allows the user to broadcast on social media and take advantage of its superb audio capabilities and super stable connectivity.

To use this feature, a special 'OTG' cable must be used. An OTG enabled USB cable with an OTG adapter or an Apple camera kit for older iPhones may also work. A standard USB cable will not work as it lacks the additional pin required to make it OTG capable.

iCON has designed and manufactured its own UNI OTG cable specifically for iCON devices like the **aio2**. It is our recommended connection method for OTG use and available through your iCON Pro Audio dealer.

## Streaming with a mobile phone only

1. Ensure that your smartphone or tablet supports OTG functionality. Most newer Android devices support OTG, but it's always a good idea to verify this in the device specifications or manual. Android devices may need to be configured for use with OTG - please check your phone manufacturer's instructions.

2. Launch your chosen streaming or ASIO compatible recording application on the mobile device.

3. For standard operations, such as using your aio2 to provide audio for streaming or for recording on your phone, you must connect directly to the USB port.

# Using the aio2 with OTG, continued

## Streaming with a mobile phone and PC or Mac

1. To stream a signal that combines the input of your aio2 and other sounds from your PC or Mac, connect your mobile phone to the UNI OTG Port on the aio2 with an OTG cable (or cable + adapter/Apple Camera Kit). Then connect your aio2 to your computer's USB-C port.
2. Once your devices are connected route your input signal through your DAW or other audio application and make sure its output is being sent to the aio2. Adjust the OTG Out Level in the Main window on the aio2.
3. Ensure that your smartphone or tablet supports OTG functionality. Most newer Android devices support OTG, but it's always a good idea to verify this in the device specifications or manual. Android devices may need to be configured for use with OTG - please check your phone manufacturer's instructions.
4. Launch your chosen streaming or ASIO compatible recording application on the mobile device.
5. Check the icon next to the MAIN tab on the aio2 that looks like a cellphone. If the connection is working properly it should be lit.
6. Check to see if it is receiving audio from the device. You should be able to hear the output of the aio2 on your phone/device and/or see the signal of the output (depending on the app you are using).
7. Start streaming – the audio output from the aio2 device will be reflected in your broadcast.
8. When you have completed your broadcast, safely eject the aio2. You can usually find an option to eject or safely remove USB 'peripherals' in the settings or notification panel of your device.

Please note that these steps may vary slightly depending on your mobile/tablet device's manufacturer, model, operating system version, and streaming application. Additionally, not all mobile and tablet devices are guaranteed to work with OTG, as some may require specific drivers or have compatibility limitations.

**Struggling?**

**Contact the technical support team who will assist you with your OTG connection.**

**https://support.iconproaudio.com**

# Using iO Core with the aio2

Not everyone uses or even needs a sophisticated DAW application to do an audio job, but they may still need to control the aio2 remotely from their connected PC or Mobile Device. iCON Pro Audio created iO Core software to handle basic audio controls and, when needed, adjust specific operational settings inside the aio2 that might otherwise be controlled in a DAW's Preferences window.

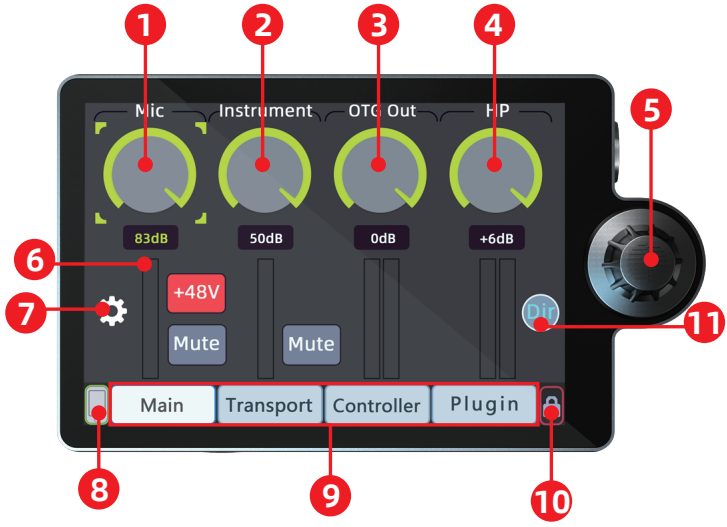
iO Core's main window mirrors the MAIN window of the aio2. The Channel Input and Output controls in the application directly control the same controls in the aio2.

Pressing the Settings button opens an aio2 Preferences window where, like in a DAW's Preferences window, you can change the Sample Rate, the Buffer Size as well as Input and Outputs settings that may need to be adjusted for the sake of performance or compatibility in unique, or other-than-normal situations

For more details on working with iO Core please refer to page 30.



# Top Panel - Main Window




1. **Mic Gain Dial**
   Select this dial to control the gain for the mini-xlr microphone input on the Input side of the device

2. **Instrument Dial**
   Select this dial to control the gain level for both the 6.35 mm Instrument input and the 3.5 mm input on the Input side of the device.

3. **OTG Out Dial**
   Select this dial to control the output level of the signal the device sends to other OTG devices.

4. **HP (Headphone) Output Level Dial**
   The gain of both headphone outputs are controlled by the HP dial.

5. **Precision Encoder Knob**
   In the Main Window pressing the Precision Encoder Knob inward will scroll through the four level setting dials (Mic, Instrument, OTG & HP). The selected parameter will be highlighted. Use the Encoder to precisely adjust that parameter.

   The Encoder knob's control of the gain dials ensures accurate adjustments without sudden or unwanted jumps in volume. If you prefer touch screen control of these parameters, the default can be changed by enabling Touch Gain Adjustment using the aio2's iMap software.

   The Encoder Knob's function varies slightly in the Transport, Controller or Plugin Window. (for more information see pgs. 27, 28 & 29.)

## 6. 48 volt Phantom Power Switch

Press to activate or deactivate the 48v of phantom power supplied to your condenser
microphone or DI box.

## 7. Settings Switch

Enter the Settings window to switch the aio2 between MCU or HUI mode depending
on which of these controller modes works with your DAW.

## 8. PC Connection Status

When lit, this indicates that your aio2 and your PC or mobile device are connected.

## 9. Mode Selection

Press “Main”, “Transport”, “Controller” or “Plugin” to enter that active function screen.

## 10. The Padlock

Press and hold this button for 3 seconds to lock or unlock the touch screen functions.
In Lock mode the Lock icon turns Red.
In Unlock mode the Lock icon turns Gray.

## 11. PC/Direct Switch

Use the PC/Direct switch toToggle between PC and Direct modes depending on your monitoring needs.

In PC mode the microphone and instrument input signals are fed into the personal computer running your DAW, which then outputs the signals to the Headphone output.

In Direct mode the mic and instrument input signals will be fed directly to the Headphone output.

# Output Panel




1. **USB (Type-C) +5V DC connector**
   The aio2 is USB 2.0 powered and requires connection to a computer via the adjacent USB-C connector. For adequate power and stable operation, it is recommended to connect to a device with a USB 3.0 port. Use a USB 2.0 cable capable of 480Mbps data transfer rate no longer than 2 meters.

2. **Two - 3.5mm Stereo Heaphone Jacks**
   You can plug stereo headphones into either of these jacks. The identical signal is sent to both from the HP (headphone) dial in the main screen.

3. **UNI OTG (USB 2.0 Type-C)**
   OTG connects the audio from the aio2 to your mobile phone or tablet and your PC for broadcasting to social media. Please note that not all mobile phones are OTG compatible and your phone may require additional configuration to make it functional with OTG. Additionally, please note that iCON's specially developed OTG cable (available via your iCON retailer) is recommended. OTG cables by other manufacturers may be used, together with an OTG adapter or an Apple Camera kit (for older iPhones with a lightning connector).

# Input Panel




1. **6.35 mm Input**
   Connect your single-channel line level sources here. Use this input to bring in signals from your synthesizer, guitar, clarinet or other electronic instrument.

2. **3.5 mm Input**
   Connect your single-channel line level sources with smaller plugs like the iCON Pro Audio AirMic series wireless microphones here.

   *Note: Note: The 6.35 mm and 3.5 mm inputs share the same signal path and appear as “input 2” in the aio2’s mixer window

3. **Mini-XLR Microphone Input**
   Connect your microphone using the included mini XLR cable to analog input 1 here.

# Front Panel




1. **IR Sensor**
   In some markets, the aio2 comes with a hand-held remote control. This IR sensor is where the aio2 receives signals from the remote control unit. Check with your iCON Pro Audio dealer for availability.

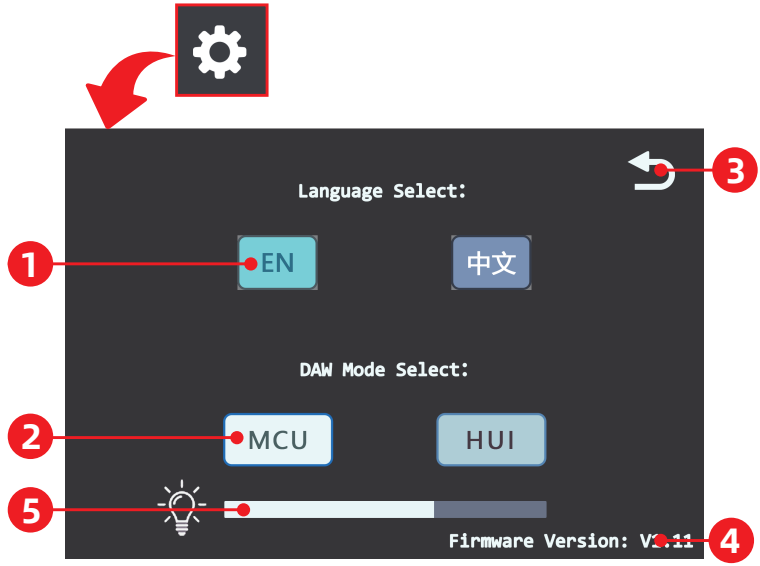
# Bottom Panel




1. **Magnetic Ring**
   The magnetic ring allows your aio2 to fasten to many commonly available mounting stands.

2. **Mounting Socket**
   The threaded mounting socket is compatible with many common screw-on style stands and tripods.

# Top Panel - Settings Window




To access this Settings Window press the button that looks like a Gear on the left side of the "MAIN" window.

1. **Language Select**
   Select your Language preference here.

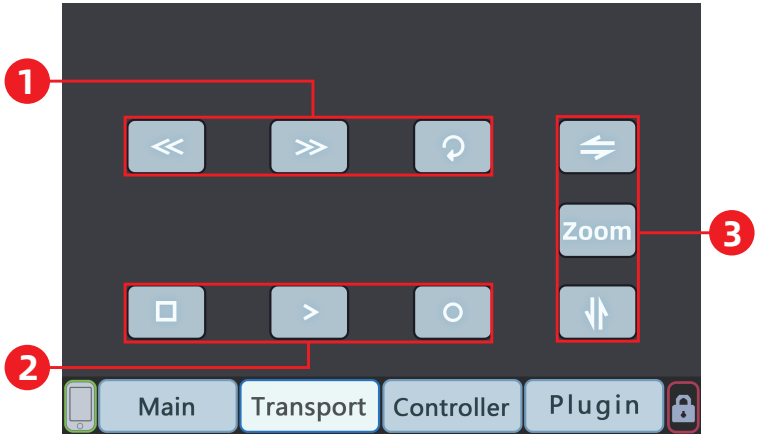
2. **DAW Controller Mode Select**
   For the aio2's controllers to communicate properly with your chosen DAW it may be necessary to change the mode to match your application. Most commercially available DAW applications will use the MCU (Mackie Control Universal) protocol. Certain applications, like ProTools, use HUI (Human User Interface).

3. **Return to Main Screen**
   Press here to leave the settings window and return to the Main Screen.

4. **Firmware Version**
   When updating your aio2's firmware you can check which version is currently installed here. Firmware updates are available through the iCON Pro Audio web site using iCON Pro Audio's iMap software.

5. **Brightness Control**
   Tap here and slide your finger, or use the aio2's encoder knob, to adjust and set the brightness of the screen.

# Top Panel - Transport Window




The Transport Window in the aio2 gives you control of your DAW's record and playback transport controls and puts them within easy reach of your finger tips. It's an excellent compliment to the solo musician or presenter who needs low-profile, simple control apart from their PC and in easy reach.

1. **Top Row - Transport**
   The buttons in the top row (from Left to Right) are: REWIND, FAST FORWARD, and LOOP PLAYBACK.

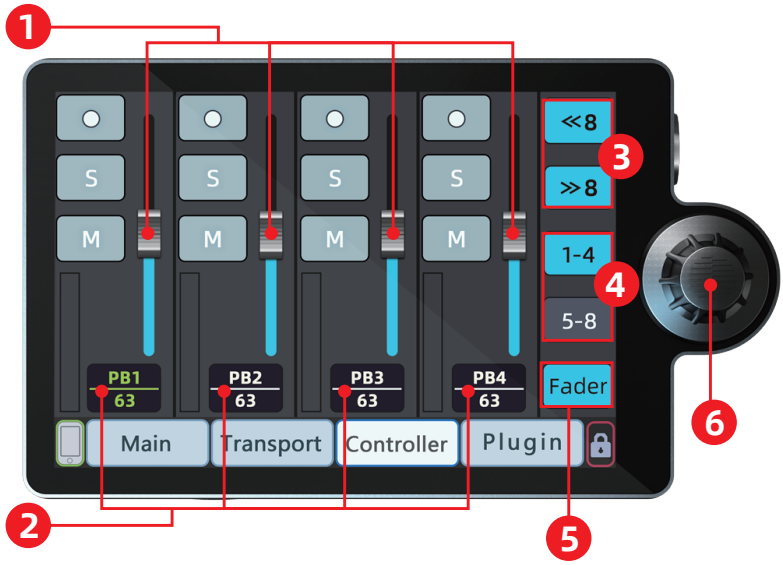
2. **Bottom Row - Transport**
   The buttons in the bottom row (from Left to Right) are: STOP, PLAY, and RECORD.

3. **Zoom, Scrub, Jog Controls and the Physical Encoder knob**
   In this window the Encoder Knob controls the Jog Wheel function by default. Pressing the Encoder inward enables the Scrub function

   When Zoom is not enabled, pressing the LEFT/RIGHT and rotating the encoder knob will scroll your cursor horizontally through your track window.
   Press the UP/DOWN button to scroll through your tracks vertically.

   When Zoom is enabled, pressing the LEFT/RIGHT button and rotating the encoder knob will Zoom in or out horizontally. Pressing the UP/DOWN and rotating the encoder will Zoom in or out vertically.

# Top Panel - Controller




1. **Mixer Channel Controls**
   Each one of the 4 faders shown on the touch screen controls the volume of an assigned channel in your connected Mackie Control or HUI compatible DAW. The top button with a Circle will arm the selected track for recording. “S” will solo the channel. “M” will Mute the channel. Adjust channel volume settings by sliding the faders with your fingertip.

2. **Mixer Channel Parameter Display**
   Each of the 4 windows shown here displays the name of its assigned track and its current numeric value.

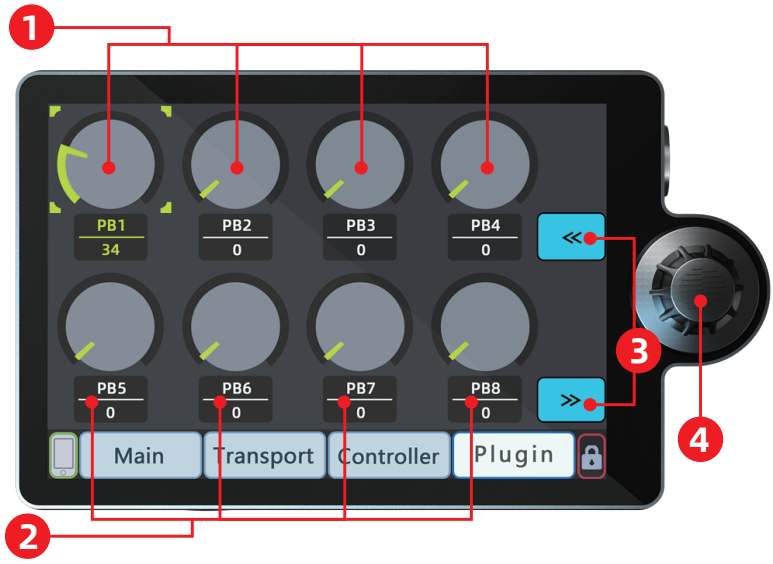
3. **Mixer Channel Bank Scrolling**
   Use these buttons to scroll up or down through banks of 8 at a time on your DAW’s fader channels.

4. **Mixer Channel Bank Focus**
   To save screen space the **aio2** displays 4 of the 8 faders selected by the Bank Scrolling switch. Use these buttons to select which 4 are displayed.

5. **Fader/Pan Button**
   By default the faders in the touch screen control the volume. Pressing this button will switch the faders to control channel panning instead. Use this to toggle between the two functions.

6. **Precision Encoder Knob**
   As an alternative to the touch screen, the Encoder Knob can precisely adjust any parameter you select. Press the encoder button to highlight and scroll through each of the 4 visible tracks. Once the track is highlighted, dialing left or right with the encoder knob will set the fader’s volume or pan value.

# Top Panel - Plugin




1. **Plugin Parameter Controls**
   Each of the 8 dials on the Plugin Window touch screen displays a specific parameter about the plugin currently selected and activated in your DAW. Tap on the parameter and use the onscreen dial to adjust the setting, or use the Encoder knob.

   * Functions and compatibility will vary between platforms. The placement and order of parameters in plugins authored by many different providers will vary greatly. If you find that you need to customize controller setup, you may want to use aio2's iMap in conjunction with your DAW's "Learn MIDI Controller" functions to complete your setup.

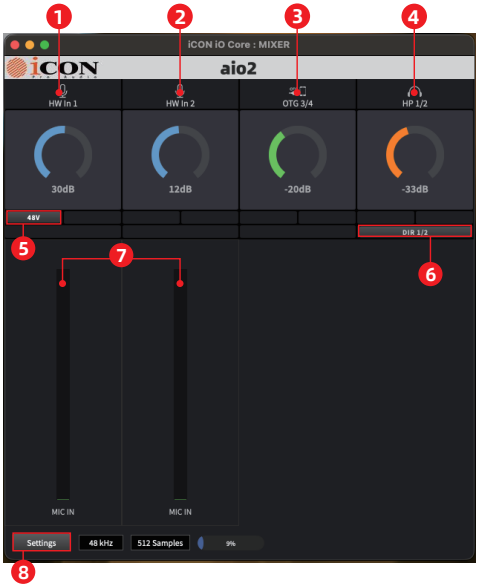
2. **Plug-in Parameter Display**
   Each of the 8 windows shown displays the name of its assigned plug-in parameter and its value.

3. **Plug-in Page Scrolling**
   If the active plug-in has additional pages of parameters, use these buttons to scroll up or down to those pages.

4. **Precision Encoder Knob**
   Press inward to scroll through and select the available parameters. Dial in the desired setting with the Encoder Knob.

# iO Core for aio2

iCON Pro Audio's iO Core software application works as a control panel for your aio2 when you need to control it remotely from your PC or Mobile device. You can download and install it from the iCON website as shown on page 33 and 34.







1. Hardware Input 1 Gain Control
2. Hardware Input 2 Gain Control
3. Output to OTG Level Control
4. Headphone 1 & 2 Level Control
5. 48 Volt Phantom Power On/Off
6. DIR/PC Monitor Toggle Button
7. Input Level Meters 1 & 2
8. Settings Button

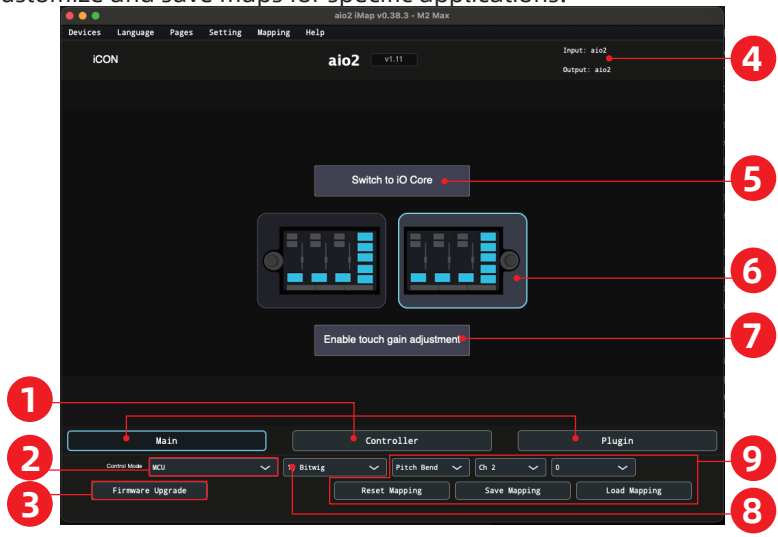
The windows next to the Settings button display the currently selected Sample Rate and Buffer Size settings. Pressing the Settings button and selecting "Audio" from the column on the left opens this window..

9. The Output and Input dropdown select menu.
10. The Sample Rate dropdown select menu.
11. The Audio Buffer Size dropdown select menu. Lower settings yield less latency. Higher settings reduce the operating load of the CPU.

# iMap for aio2

iCON Pro Audio's iMap software application was created to give you deeper, more detailed control over your aio2 and better compatibility with your DAW. With iMap you can:

- Upgrade your unit's firmware
- Map your controls to your DAW from the list of available apps
- Customize and save maps for specific applications.




1. Select the Main, Controller or Plugin Window mode by clicking on one of these three buttons.

2. Select your aio2's control mode to match your DAW. Most DAW's use the MCU protocol. Select HUI if you are using Pro Tools. If you are unsure check your DAW's user manual.

3. Press the "Firmware Upgrade" button and follow the on-screen instructions to upgrade your aio2's firmware. When connected to the internet, iMap detects your aio2 and connects to iCON Pro Audio's website to download and install the latest operating software for your unit. Be patient! A firmware upgrade can take 15 to 20 minutes or longer depending on your internet connection. For more details on performing a Firmware upgrade see page 34.

4. The Input and Output status window indicates that your device is connected and recognized by your PC and aio2 iMap.

5. Pressing the SWITCH TO iO CORE button will open the iO Core application in your PC. iO Core works as an extra Control Panel for the aio2.

6. Press either of these buttons to orient the aio2's screen so that the Precision Encoder Knob will be on the right or the left side. This can be used to place the controls and cabling in a convenient position in tight spaces.

7. By default, the aio2's main window controls can only be set by the Precision Encoder knob. Pressing ENABLE TOUCH GAIN ADJUSTMENT will allow you to adjust Mic, Instrument, OTG Out and HP levels by using the touch screen to dial in your desired adjustments.By default, the aio2's main window controls can only be set by the Precision Encoder knob. Pressing ENABLE TOUCH GAIN ADJUSTMENT will allow you to adjust Mic, Instrument, OTG Out and HP levels by using the touch screen to dial in your desired adjustments.

8. Select your DAW here from a list of preset controller maps. You can download the latest iMAPs from the **aio2 product page** of the iconproaudio.com website.

9. Use this section to map controls using MIDI Controller commands in your DAW, RESET the mapping to its default status, SAVE your custom maps, or LOAD previously saved maps

Here's how it works:




Let's say you want your plugin's REVERB VOLUME available on Dial number 2 of the aio2. Press the PRESS button below PB2. The dial's currently assigned MIDI parameter, MIDI channel and value are each displayed in the 3 boxes next to the DAW selection. Next, consult your DAW's User manual for the corresponding MIDI parameter, MIDI channel and MIDI value for the plugin's REVERB VOLUME control.

Enter the appropriate values in the parameter, channel and value boxes and iMap will map the change to the aio2. Now when you select dial number 2 in the Top Panel PLUGIN window, changing the value of dial 2 will change the value of your REVERB VOLUME, or whichever parameter you wish to assign.

The aio2 will retain the new mapping until it is changed or reset. SAVE and LOAD custom maps for different situations, you can always revert back to your DAW's original map by selecting RESET MAPPING and reselecting your DAW.

This process also works on MAIN window controls of the aio2 using the CONTROLLER window in iMap.

# Firmware upgrade

From time to time iCON Pro Audio will release updates to the firmware for the aio2. Follow these steps when upgrading your unit's firmware.

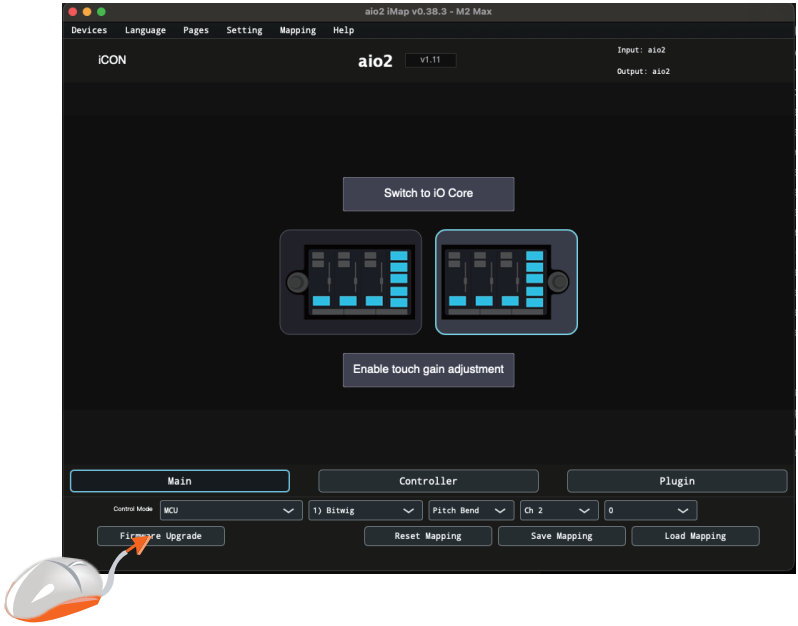



**Step1:** Connect the aio2 to your Mac or PC using a USB C connection.

**Step 2:** Make sure you have downloaded and installed the latest version of iMAP from the website. Run the iMAP.

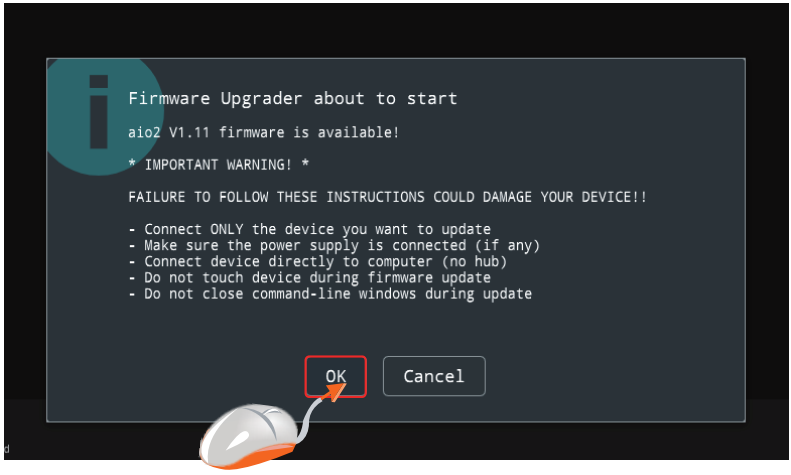



**Step 3:** Locate the "Firmware upgrade" button in the lower left-hand side of iMAP's main window and click it to start the upgrade process.

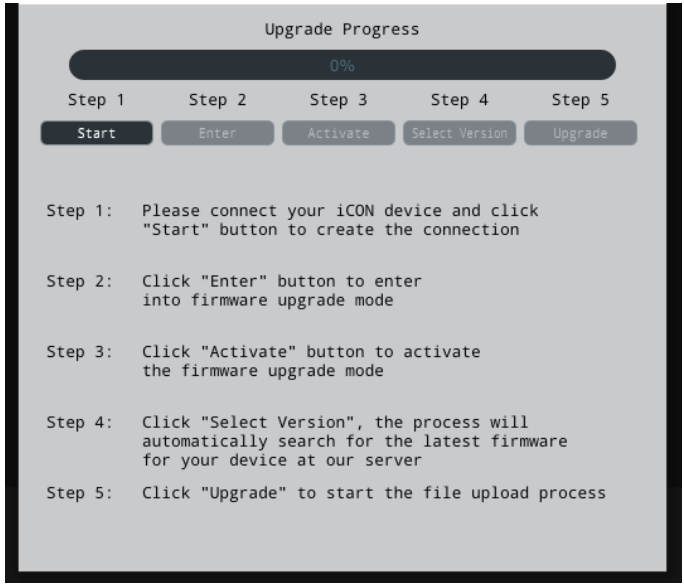



***Warning:*** **The firmware upload process MUST be completed and not interrupted during the file upload, otherwise the firmware may not be rewritten again.**

**Step 4:** Read the warning notice and make sure you are properly connected then click "OK."




**Step 5:** The Firmware Upgrade Progess window will open. Monitor the progress in the status bar at the top and, when directed, follow the onscreen prompts.




**Step 6:** Allow the firmware upgrade process to complete. ***BE PATIENT!*** The process can take 15 to 20 minutes or longer to complete, depending on your internet connection.

**Step 7:** Press ‘ok’ once the firmware update has been completed



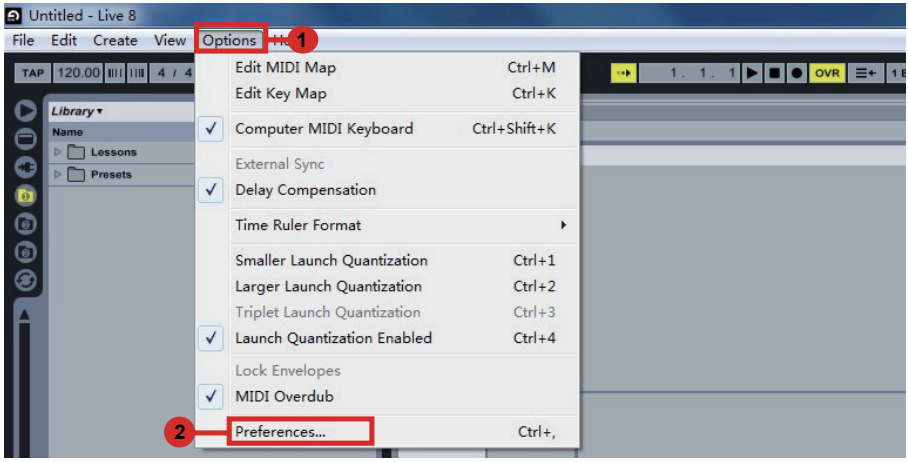

## 15 Golden Rules for a successful firmware upgrade

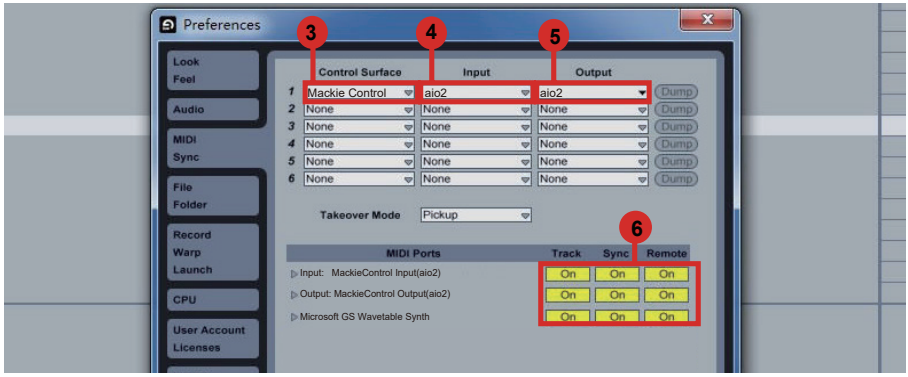
1. Launch the aio2 first and iMAP second as normal (no DAW)
2. Do not run any DAW or other software during the process
3. Always use the latest iMAP
4. Double check you’re updating the correct device within the iMAP
5. Disconnect USB hubs - always connect directly
6. Disconnect all other devices/USB peripherals
7. Always update one unit at a time - disconnect any other units you have
8. Always read the manual update guidance
9. Always read the iMAP warnings
10. Always use the included cables
11. Do not stop the firmware update process once it’s begun
12. Do not touch the device during the process once it’s begun
13. Do not close the ‘command line window’* during the process
14. Ensure there is sufficient power supplied to your device
15. Take your time when updating firmware

# Preference Settings in your DAW

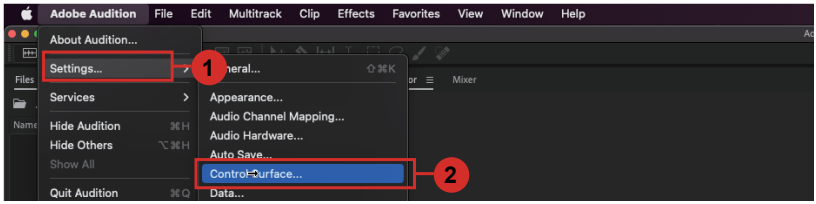
In order for your aio2 and your DAW to work together seamlessly you will need to check a few settings in your DAW's Preferences Window. Following the numbered steps in the next pages will show you where and how to adjust those settings in DAWs currently supported by iMAP.

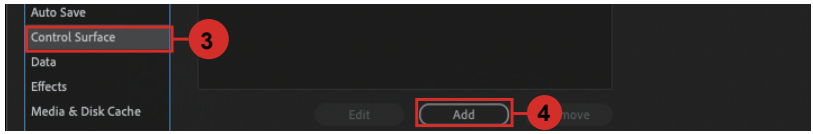
## Ableton Live

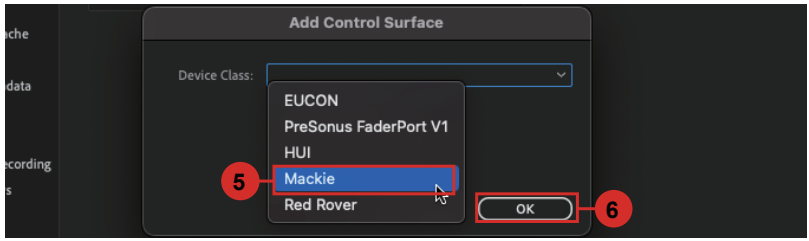


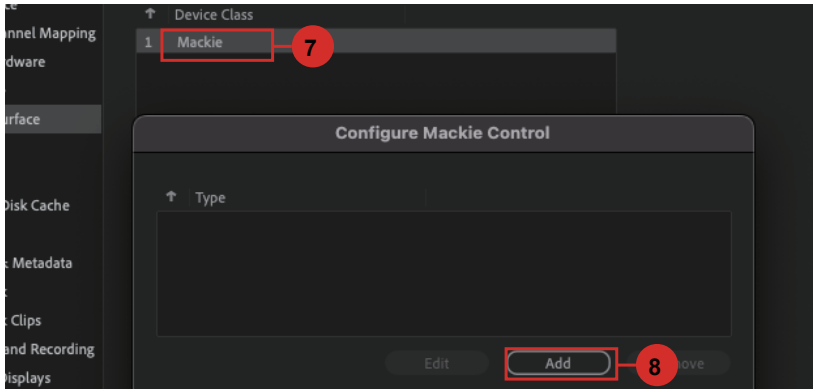



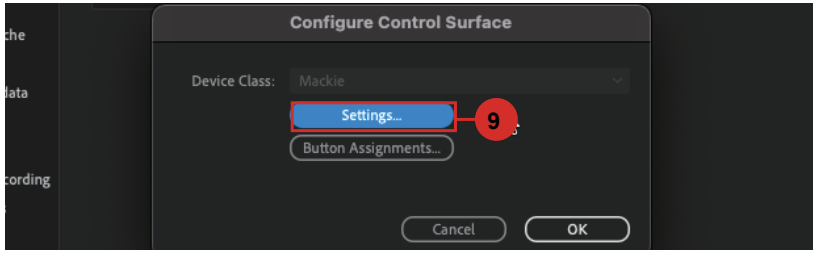
# Audition

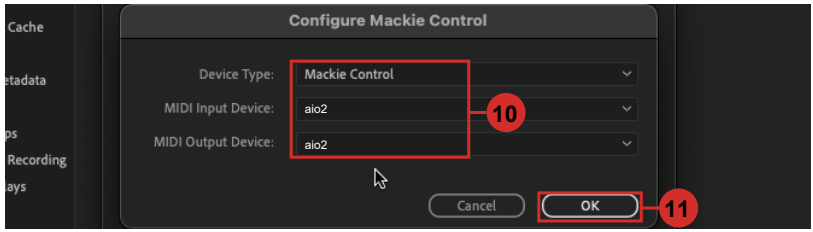

Adobe Audition
File
Edit
Multitrack
Clip
Effects
Favorites
View
Window
Help
About Audition...
Settings...
1
Services
Hide Audition
Hide Others
Show All
Quit Audition
Appearance...
Audio Channel Mapping...
Audio Hardware...
Auto Save...
Control Surface...
2
Data...
Mixer


Auto Save
Control Surface
3
Data
Effects
Media & Disk Cache
Edit
Add
4

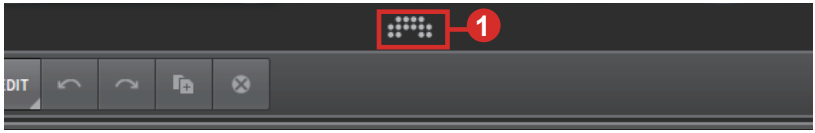

Add Control Surface
Device Class:
EUCON
PreSonus FaderPort V1
HUI
5
Mackie
Red Rover
OK
6

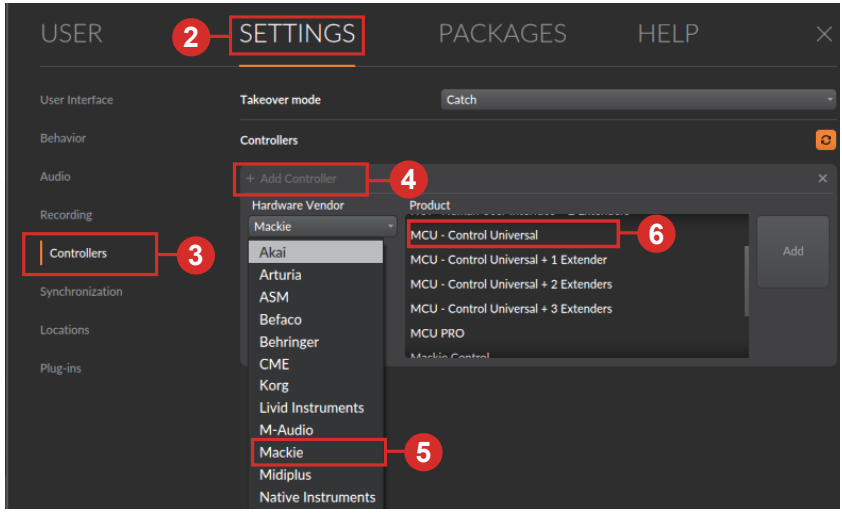

Device Class
1
Mackie
7
Configure Mackie Control
Type
Edit
Add
8

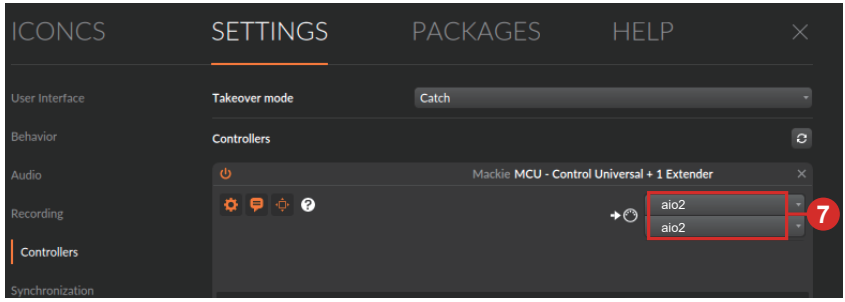

Configure Control Surface
Device Class:
Mackie
Settings...
9
Button Assignments...
Cancel
OK


Configure Mackie Control
Device Type:
Mackie Control
MIDI Input Device:
aio2
10
MIDI Output Device:
aio2
Cancel
OK
11

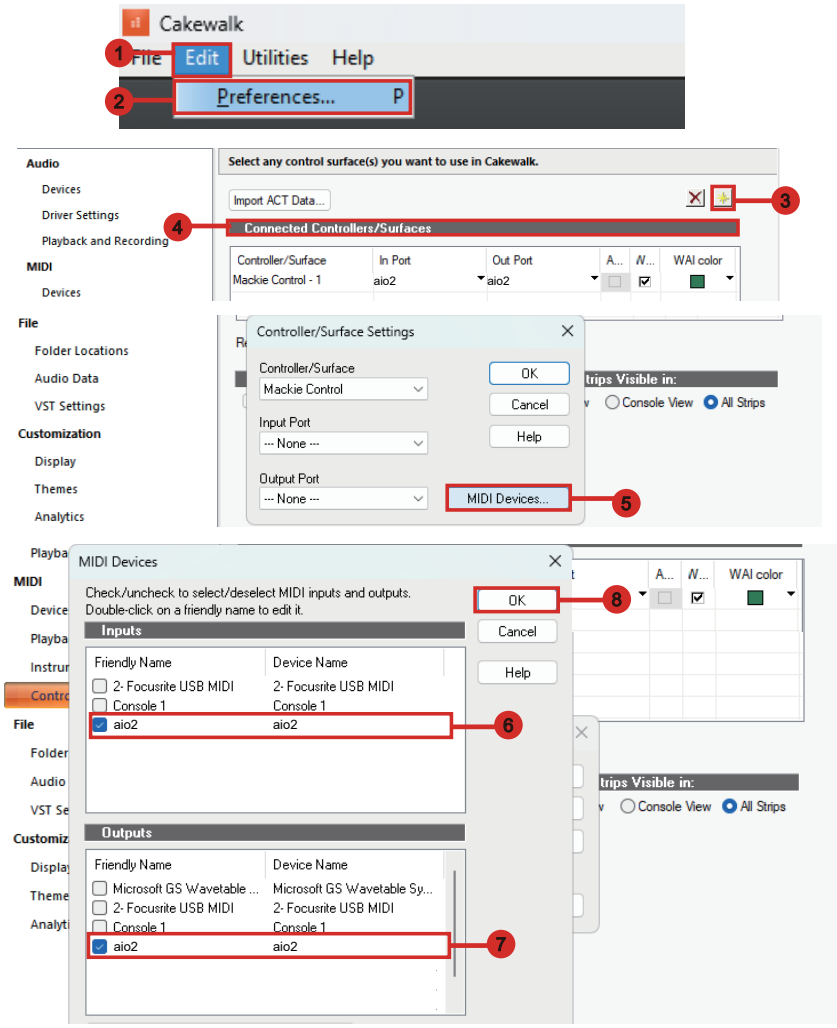
# Bitwig


1
EDIT

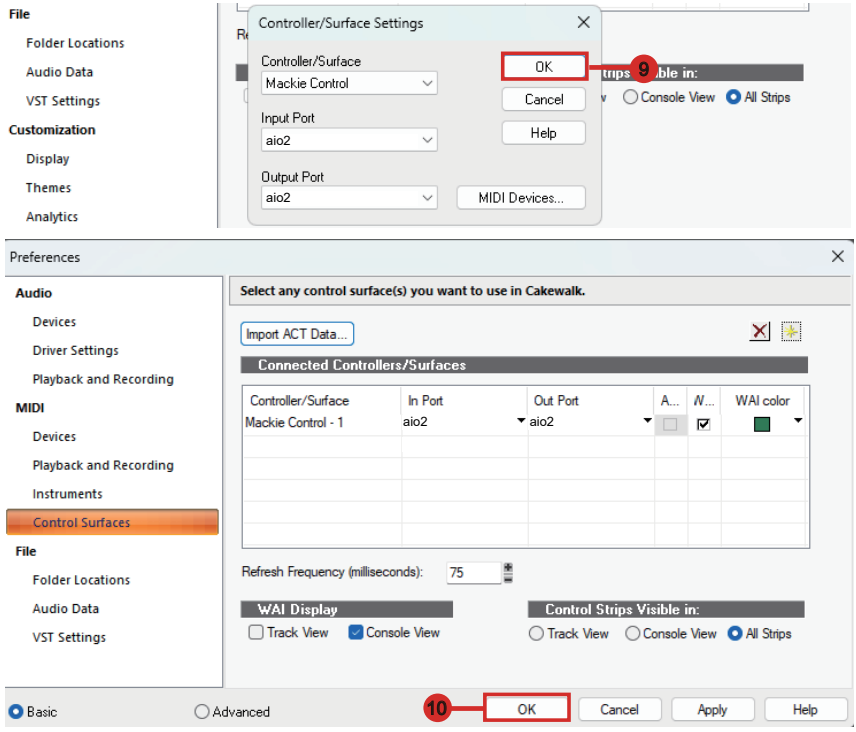

USER
2
SETTINGS
PACKAGES
HELP
User Interface
Behavior
Audio
Recording
Controllers
3
Synchronization
Locations
Plug-ins
Takeover mode
Catch
Controllers
+ Add Controller
4
Hardware Vendor
Mackie
Product
MCU - Control Universal
6
MCU - Control Universal + 1 Extender
MCU - Control Universal + 2 Extenders
MCU - Control Universal + 3 Extenders
MCU PRO
Add
Akai
Arturia
ASM
Befaco
Behringer
CME
Korg
Livid Instruments
M-Audio
Mackie
5
Midiplus
Native Instruments


ICONCS
SETTINGS
PACKAGES
HELP
User Interface
Behavior
Audio
Recording
Controllers
Synchronization
Takeover mode
Catch
Controllers
Mackie MCU - Control Universal + 1 Extender
aio2
aio2
7

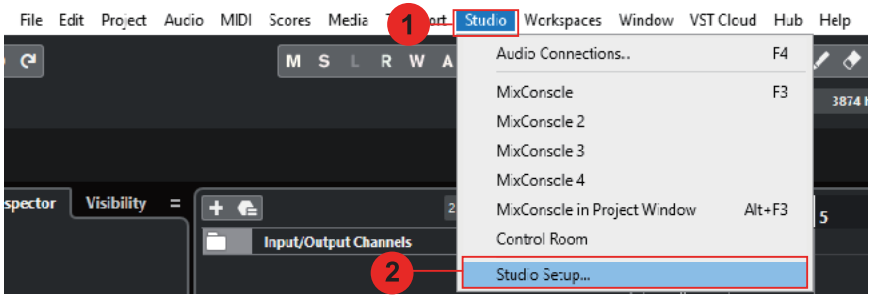
# Cakewalk

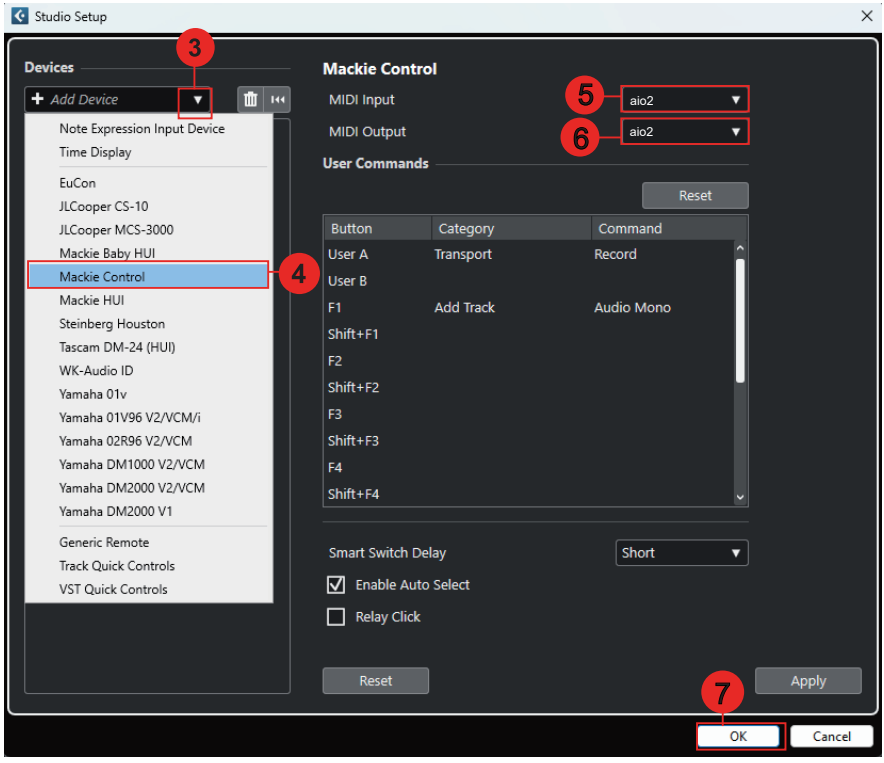

Cakewalk
File
Edit
Utilities
Help
Preferences... P
1
2
Audio
Devices
Driver Settings
Playback and Recording
MIDI
Devices
File
Folder Locations
Audio Data
VST Settings
Customization
Display
Themes
Analytics
Select any control surface(s) you want to use in Cakewalk.
Import ACT Data...
3
4
Connected Controllers/Surfaces
Controller/Surface
In Port
Out Port
A...
W...
WAI color
Mackie Control - 1
aio2
aio2
Controller/Surface Settings
Controller/Surface
Mackie Control
Input Port
--- None ---
Output Port
--- None ---
OK
Cancel
Help
MIDI Devices...
5
trips Visible in:
Console View
All Strips
MIDI Devices
Check/uncheck to select/deselect MIDI inputs and outputs.
Double-click on a friendly name to edit it.
OK
Cancel
Help
8
Inputs
Friendly Name
Device Name
2- Focusrite USB MIDI
2- Focusrite USB MIDI
Console 1
Console 1
aio2
aio2
6
Outputs
Friendly Name
Device Name
Microsoft GS Wavetable ...
Microsoft GS Wavetable Sy...
2- Focusrite USB MIDI
2- Focusrite USB MIDI
Console 1
Console 1
aio2
aio2
7

# Cakewalk - Part 2

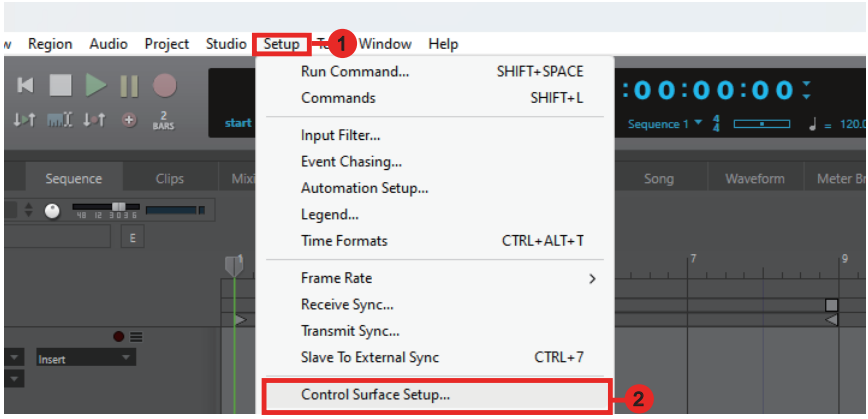


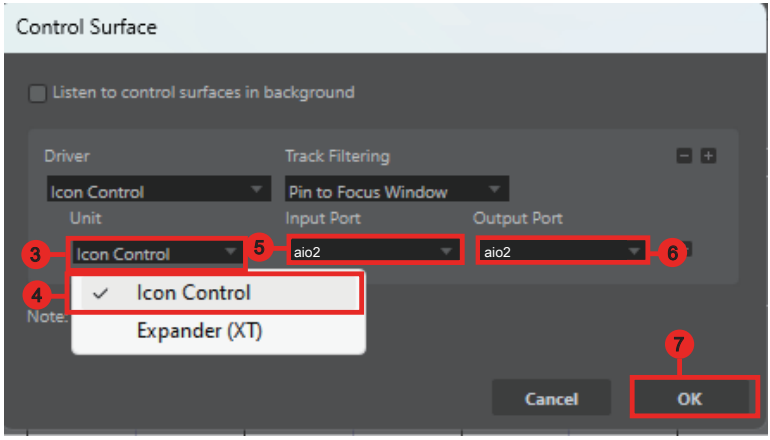
# Cubase/Nuendo



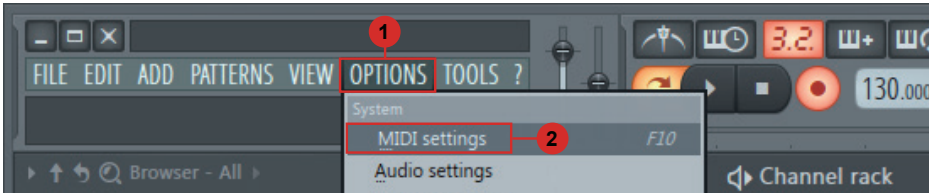



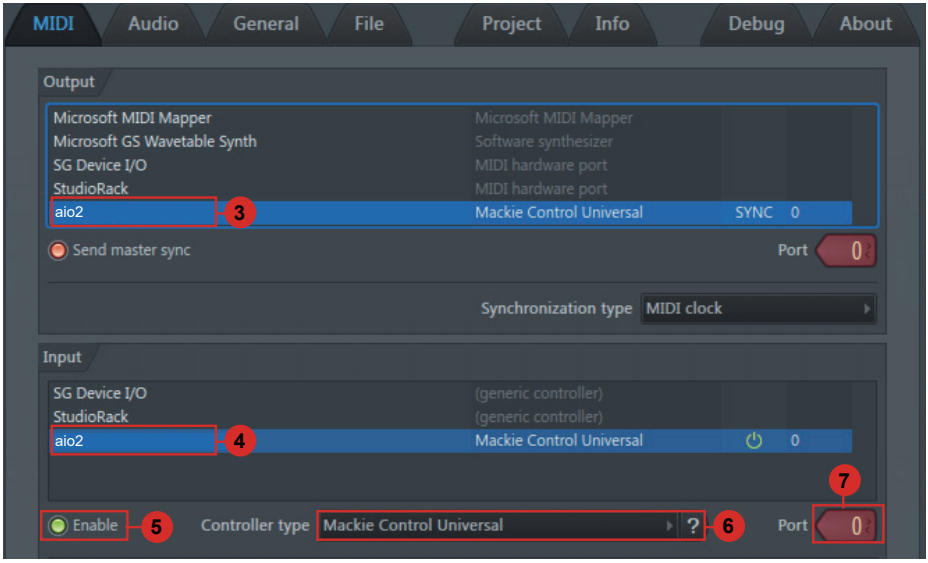
# Digital Performer 11



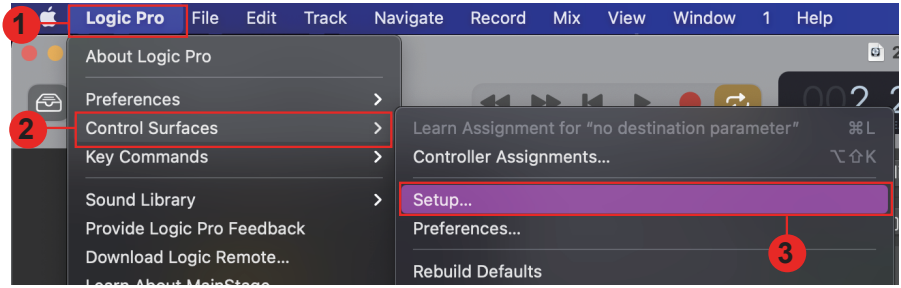



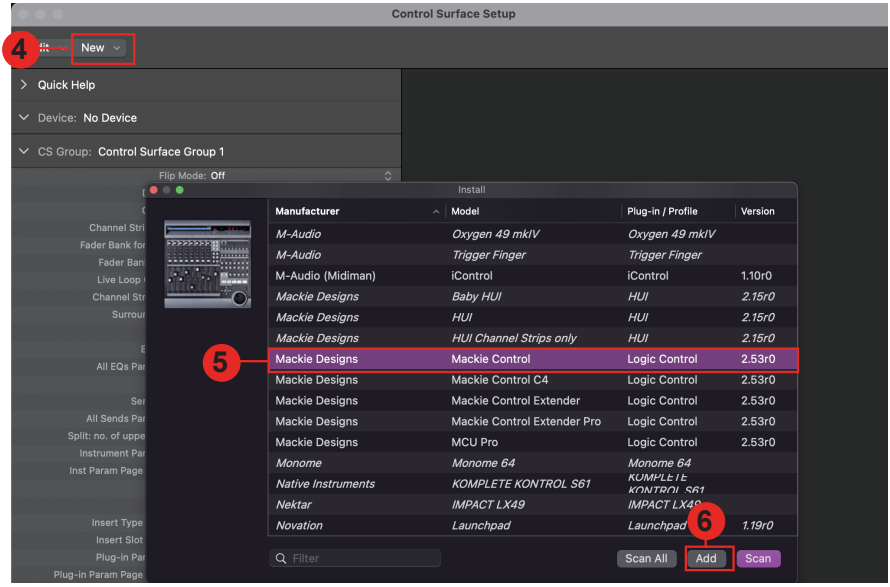
# FL Studio


1
FILE EDIT ADD PATTERNS VIEW OPTIONS TOOLS ?
System
MIDI settings
2
F10
Audio settings
Browser - All
Channel rack


MIDI
Audio
General
File
Project
Info
Debug
About
Output
Microsoft MIDI Mapper
Microsoft GS Wavetable Synth
SG Device I/O
StudioRack
aio2
3
Microsoft MIDI Mapper
Software synthesizer
MIDI hardware port
MIDI hardware port
Mackie Control Universal
SYNC
0
Send master sync
Port
0
Synchronization type
MIDI clock
Input
SG Device I/O
StudioRack
aio2
4
(generic controller)
(generic controller)
Mackie Control Universal
0
7
Enable
5
Controller type
Mackie Control Universal
?
6
Port
0

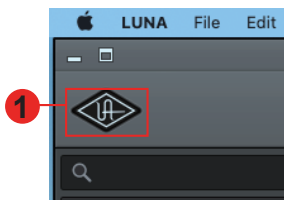
# Logic Pro

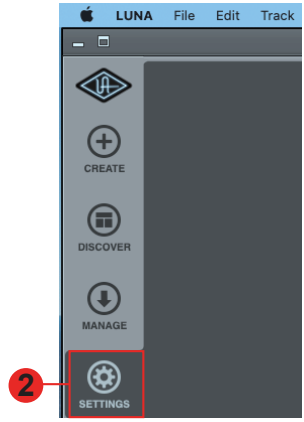

1
Logic Pro
File
Edit
Track
Navigate
Record
Mix
View
Window
1
Help
About Logic Pro
Preferences
2
Control Surfaces
Key Commands
Sound Library
Provide Logic Pro Feedback
Download Logic Remote...
Learn Assignment for "no destination parameter"
⌘L
Controller Assignments...
⌥⇧K
Setup...
Preferences...
3
Rebuild Defaults

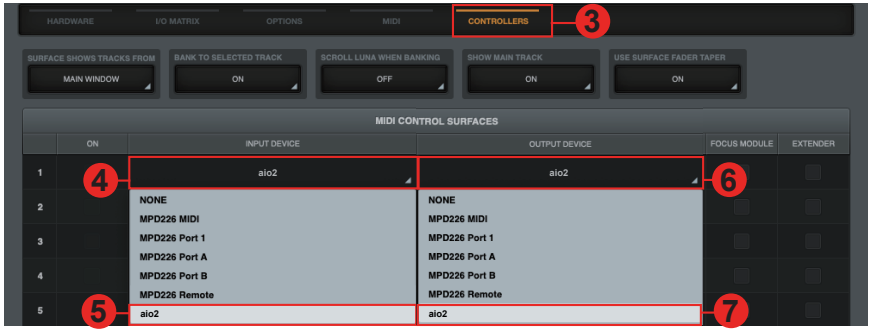

Control Surface Setup
4
New
Quick Help
Device: No Device
CS Group: Control Surface Group 1
Flip Mode: Off
Install
Manufacturer
Model
Plug-in / Profile
Version
M-Audio
Oxygen 49 mkIV
Oxygen 49 mkIV
M-Audio
Trigger Finger
Trigger Finger
M-Audio (Midiman)
iControl
iControl
1.10r0
Mackie Designs
Baby HUI
HUI
2.15r0
Mackie Designs
HUI
HUI
2.15r0
Mackie Designs
HUI Channel Strips only
HUI
2.15r0
5
Mackie Designs
Mackie Control
Logic Control
2.53r0
Mackie Designs
Mackie Control C4
Logic Control
2.53r0
Mackie Designs
Mackie Control Extender
Logic Control
2.53r0
Mackie Designs
Mackie Control Extender Pro
Logic Control
2.53r0
Mackie Designs
MCU Pro
Logic Control
2.53r0
Monome
Monome 64
Monome 64
Native Instruments
KOMPLETE KONTROL S61
Nektar
IMPACT LX49
Novation
Launchpad
1.19r0
6
Filter
Scan All
Add
Scan


Control Surface Setup
Edit
New
Device: Mackie Control
Output Port
aio2
Input Port
aio2
8
Module: Logic Control
Model: Mackie Control
Version: (unknown)
Color:
Transport Button Click:
Touchless movable faders:
7
Mackie Control
Mackie Control...

# Luna

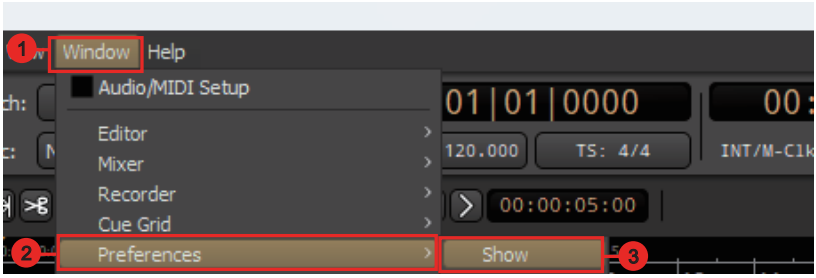

LUNA
File
Edit
1

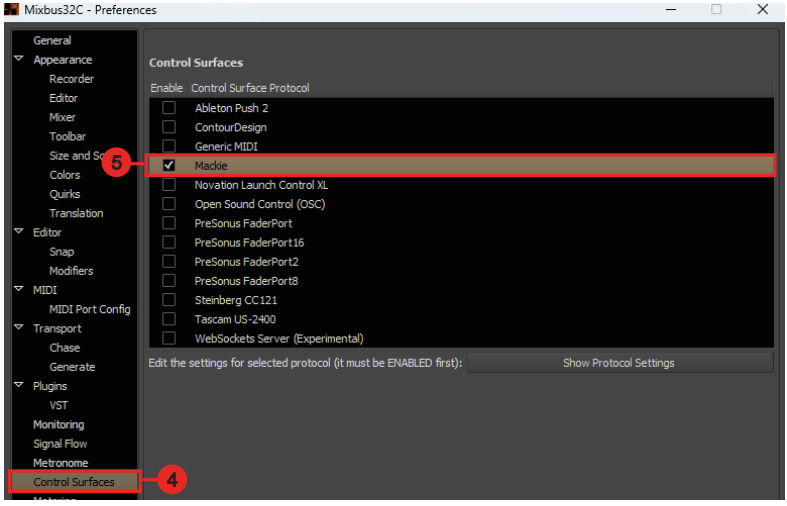

LUNA
File
Edit
Track
CREATE
DISCOVER
MANAGE
SETTINGS
2

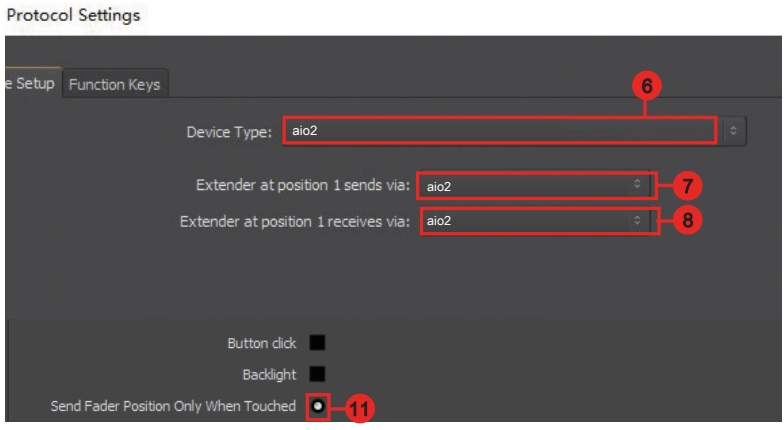

HARDWARE
I/O MATRIX
OPTIONS
MIDI
CONTROLLERS
3
SURFACE SHOWS TRACKS FROM
MAIN WINDOW
BANK TO SELECTED TRACK
ON
SCROLL LUNA WHEN BANKING
OFF
SHOW MAIN TRACK
ON
USE SURFACE FADER TAPER
ON
MIDI CONTROL SURFACES
ON
INPUT DEVICE
OUTPUT DEVICE
FOCUS MODULE
EXTENDER
1
4
aio2
aio2
6
NONE
MPD226 MIDI
MPD226 Port 1
MPD226 Port A
MPD226 Port B
MPD226 Remote
5
aio2
aio2
7


MIDI CONTROL SURFACES
ON
INPUT DEVICE
OUTPUT DEVICE
FOCUS MODULE
EXTENDER
1
8
aio2
aio2
9

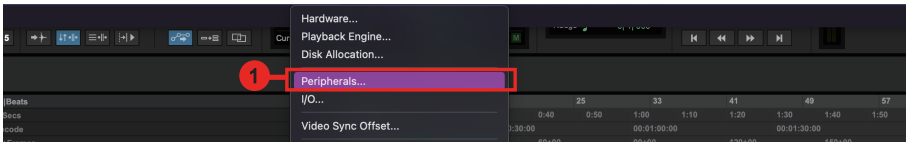
# Harrison Mixbus 32C

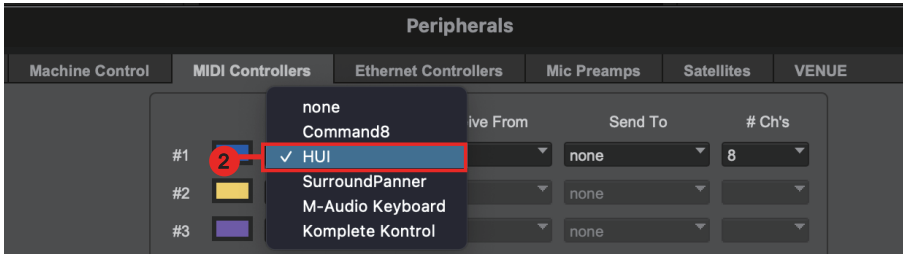


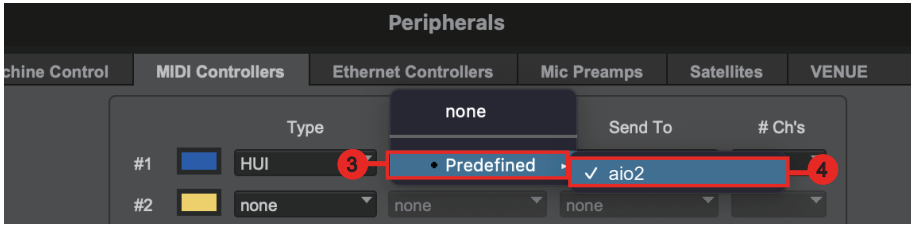



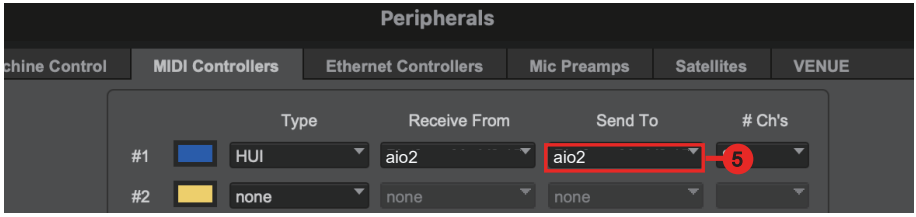



# Pro Tools

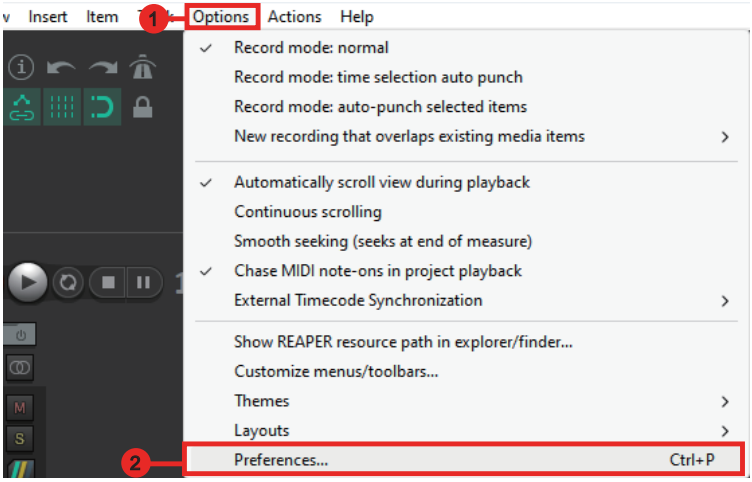

Hardware...
Playback Engine...
Disk Allocation...
Peripherals...
I/O...
Video Sync Offset...
1

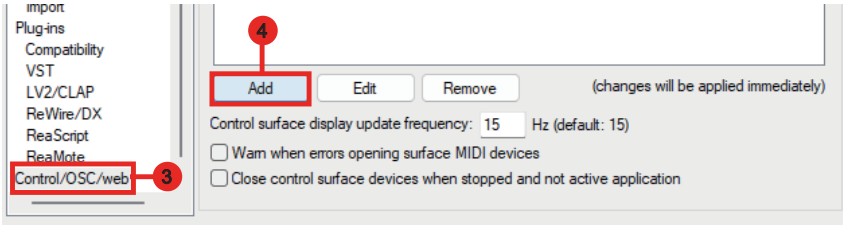

Peripherals
Machine Control
MIDI Controllers
Ethernet Controllers
Mic Preamps
Satellites
VENUE
none
Command8
HUI
SurroundPanner
M-Audio Keyboard
Komplete Kontrol
Send To
# Ch's
#1
#2
#3
2
none
8

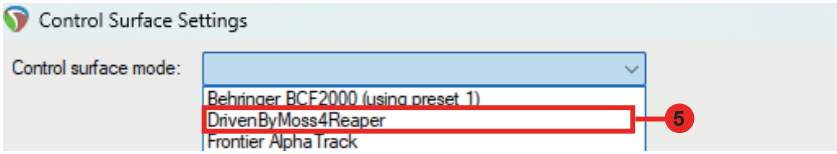

Peripherals
MIDI Controllers
Ethernet Controllers
Mic Preamps
Satellites
VENUE
Type
none
Send To
# Ch's
#1
#2
HUI
none
3
Predefined
aio2
4

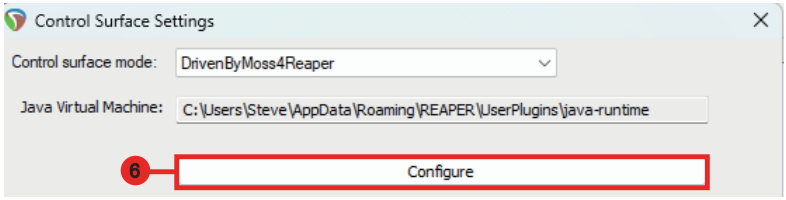

Peripherals
MIDI Controllers
Ethernet Controllers
Mic Preamps
Satellites
VENUE
Type
Receive From
Send To
# Ch's
#1
#2
HUI
aio2
aio2
5
none

# Reaper

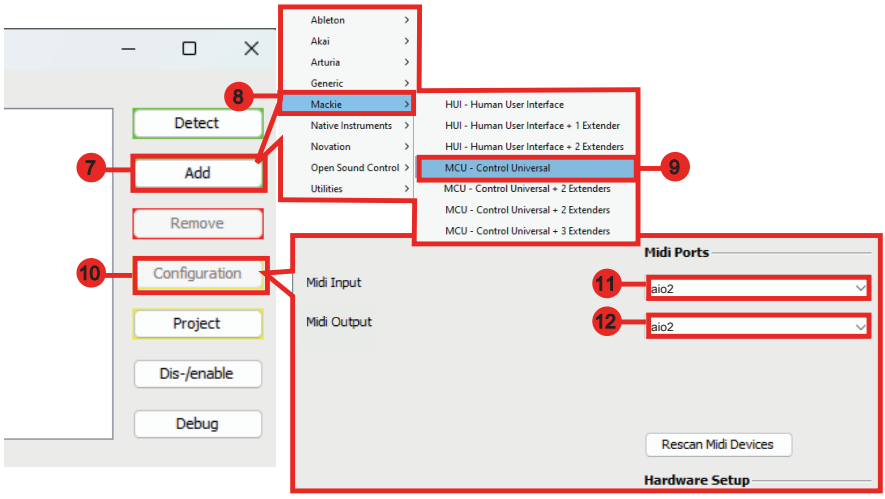

Insert
Item
Options
Actions
Help
1
Record mode: normal
Record mode: time selection auto punch
Record mode: auto-punch selected items
New recording that overlaps existing media items
Automatically scroll view during playback
Continuous scrolling
Smooth seeking (seeks at end of measure)
Chase MIDI note-ons in project playback
External Timecode Synchronization
Show REAPER resource path in explorer/finder...
Customize menus/toolbars...
Themes
Layouts
2
Preferences...
Ctrl+P

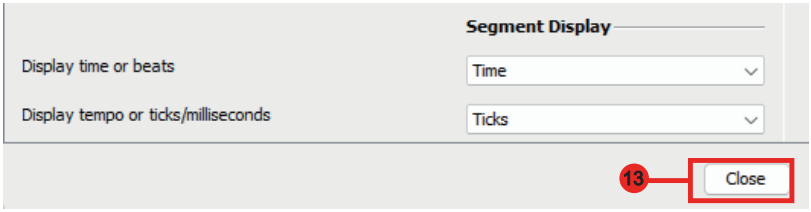

Import
Plug-ins
Compatibility
VST
LV2/CLAP
ReWire/DX
ReaScript
ReaMote
Control/OSC/web
3
4
Add
Edit
Remove
(changes will be applied immediately)
Control surface display update frequency:
15
Hz (default: 15)
Warn when errors opening surface MIDI devices
Close control surface devices when stopped and not active application


Control Surface Settings
Control surface mode:
Behringer BCF2000 (using preset 1)
DrivenByMoss4Reaper
Frontier Alpha Track
5


Control Surface Settings
Control surface mode:
DrivenByMoss4Reaper
Java Virtual Machine:
C:\Users\Steve\AppData\Roaming\REAPER\UserPlugins\java-runtime
6
Configure

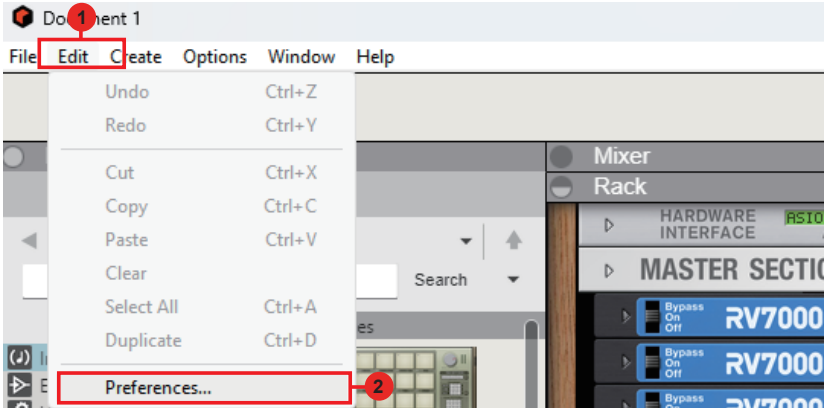
# Reaper- Part 2

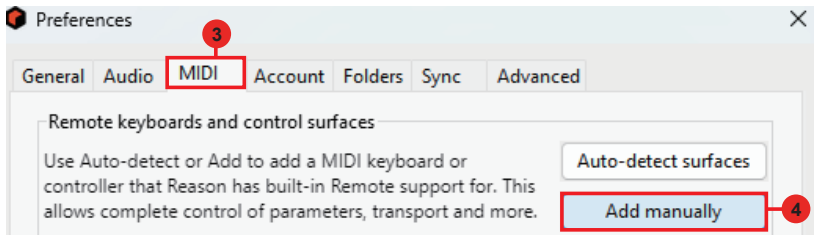


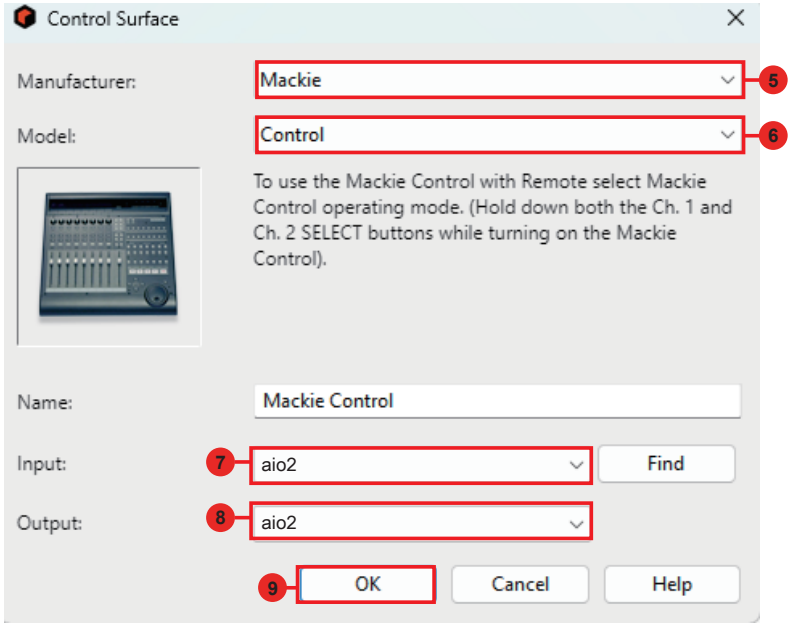



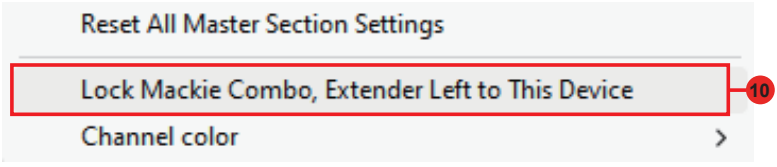



# Reason

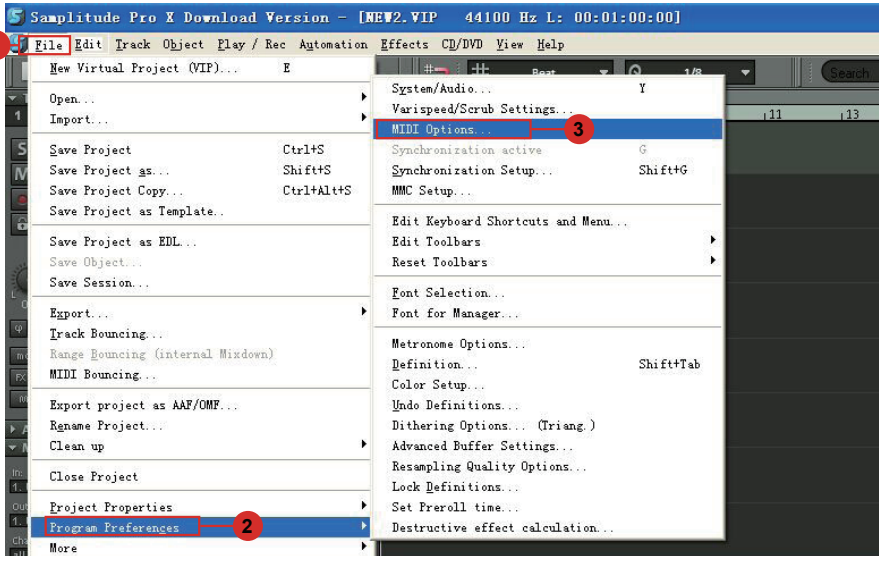

1
File
Edit
Create
Options
Window
Help
Undo Ctrl+Z
Redo Ctrl+Y
Cut Ctrl+X
Copy Ctrl+C
Paste Ctrl+V
Clear
Select All Ctrl+A
Duplicate Ctrl+D
Preferences...
2
Mixer
Rack
HARDWARE INTERFACE
MASTER SECTI
RV7000
RV7000
Search


Preferences
3
General
Audio
MIDI
Account
Folders
Sync
Advanced
Remote keyboards and control surfaces
Use Auto-detect or Add to add a MIDI keyboard or controller that Reason has built-in Remote support for. This allows complete control of parameters, transport and more.
Auto-detect surfaces
Add manually
4

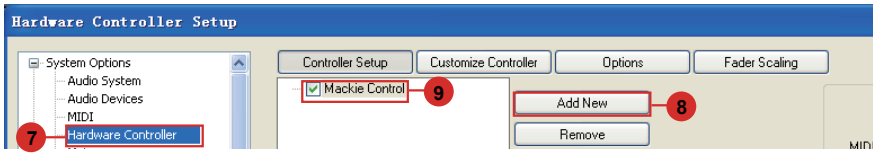

Control Surface
Manufacturer:
Mackie
5
Model:
Control
6
To use the Mackie Control with Remote select Mackie Control operating mode. (Hold down both the Ch. 1 and Ch. 2 SELECT buttons while turning on the Mackie Control).
Name:
Mackie Control
Input:
7
aio2
Find
Output:
8
aio2
9
OK
Cancel
Help

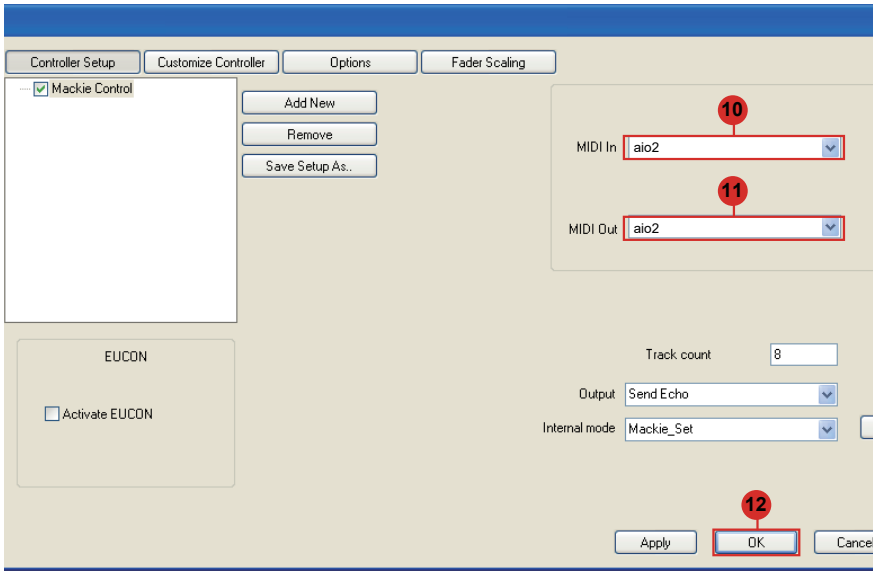

Reset All Master Section Settings
Lock Mackie Combo, Extender Left to This Device
10
Channel color

# Samplitude

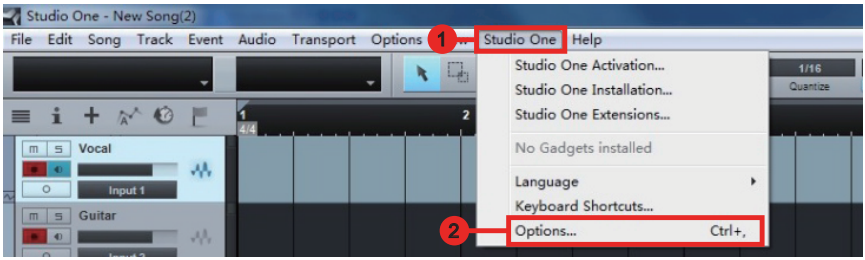

Samplitude Pro X Download Version - [NEW2.VIP 44100 Hz L: 00:01:00:00]
File Edit Track Object Play / Rec Automation Effects CD/DVD View Help
New Virtual Project (VIP)... E
Open...
Import...
Save Project Ctrl+S
Save Project as... Shift+S
Save Project Copy... Ctrl+Alt+S
Save Project as Template..
Save Project as EDL...
Save Object...
Save Session...
Export...
Track Bouncing...
Range Bouncing (internal Mixdown)
MIDI Bouncing...
Export project as AAF/OMF...
Rename Project...
Clean up
Close Project
Project Properties
Program Preferences
More
System/Audio... Y
Varispeed/Scrub Settings...
MIDI Options...
Synchronization active G
Synchronization Setup... Shift+G
MMC Setup...
Edit Keyboard Shortcuts and Menu...
Edit Toolbars
Reset Toolbars
Font Selection...
Font for Manager...
Metronome Options...
Definition... Shift+Tab
Color Setup...
Undo Definitions...
Dithering Options... (Triang.)
Advanced Buffer Settings...
Resampling Quality Options...
Lock Definitions...
Set Preroll time...
Destructive effect calculation...
1
2
3

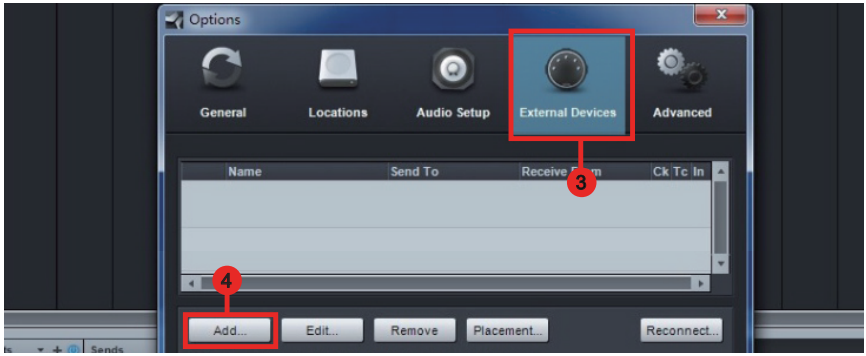

System Options
Audio System
Audio Devices
MIDI
4
MIDI IN
aio2
5
MIDI OUT
aio2
Microsoft GS Wavetable Synth
6

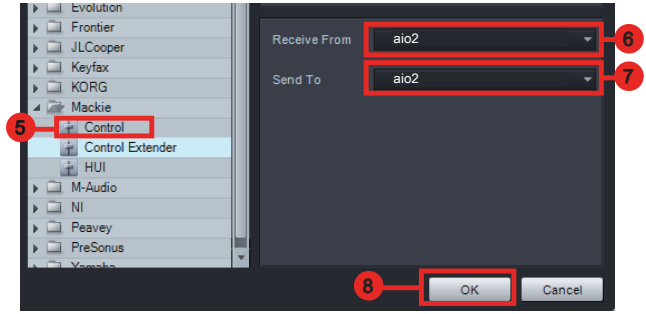

Hardware Controller Setup
System Options
Audio System
Audio Devices
MIDI
Hardware Controller
7
Controller Setup
Customize Controller
Options
Fader Scaling
Mackie Control
9
Add New
8
Remove

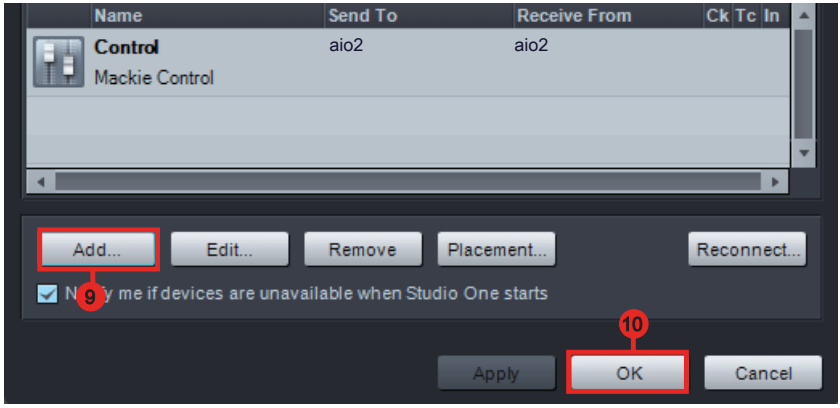

Controller Setup
Customize Controller
Options
Fader Scaling
Mackie Control
Add New
Remove
Save Setup As..
10
MIDI In aio2
11
MIDI Out aio2
EUCON
Activate EUCON
Track count 8
Output Send Echo
Internal mode Mackie_Set
12
Apply
OK
Cancel

# Studio One


Studio One - New Song(2)
File Edit Song Track Event Audio Transport Options
Studio One
Help
Studio One Activation...
Studio One Installation...
Studio One Extensions...
No Gadgets installed
Language
Keyboard Shortcuts...
Options... Ctrl+,
Vocal
Input 1
Guitar
1/16
Quantize
1
2
1
2

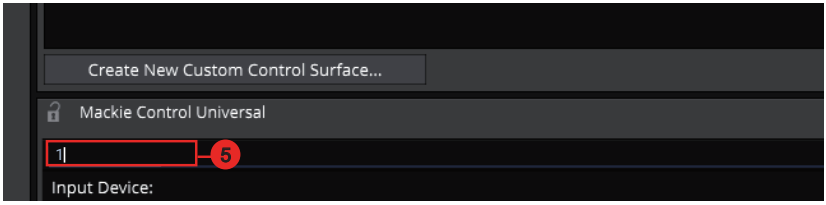

Options
General
Locations
Audio Setup
External Devices
Advanced
Name
Send To
Ck Tc In
3
4
Add...
Edit...
Remove
Placement...
Reconnect...
Sends

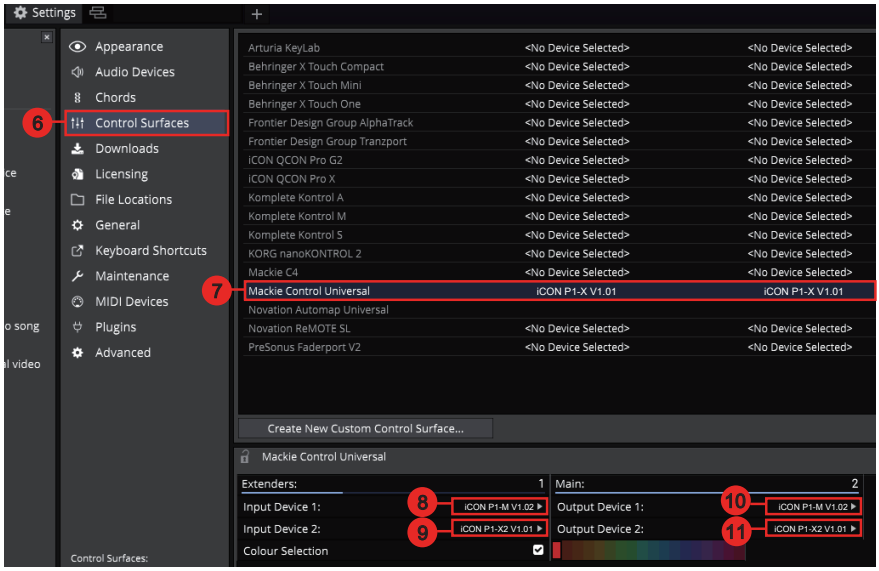

Evolution
Frontier
JLCooper
Keyfax
KORG
Mackie
Control
Control Extender
HUI
M-Audio
NI
Peavey
PreSonus
5
Receive From
aio2
6
Send To
aio2
7
8
OK
Cancel


Name
Send To
Receive From
Ck Tc In
Control
Mackie Control
aio2
aio2
Add...
Edit...
Remove
Placement...
Reconnect...
me if devices are unavailable when Studio One starts
9
10
Apply
OK
Cancel

# Tracktion Waveform



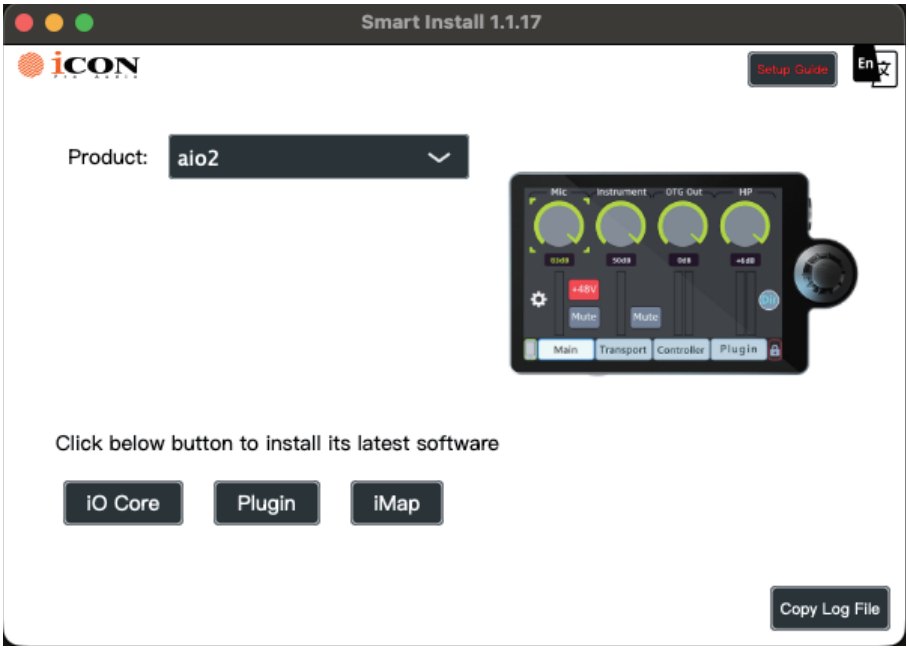



# Smart Install - Introduction

To download and install the latest drivers and software, iCON Pro Audio have designed 'Smart Install,' which automatically detects connected iCON devices and installs the necessary drivers and software quickly and with minimum effort.

Users do not need an iCON account to install and use 'Smart Install' nor do they need to uninstall previous versions, as 'Smart Install' will directly overwrite them.

In addition, the Smart Install software can detect and distinguish between multiple iCON devices connected to your PC via USB. Users can then choose which devices to install drivers for.



Once you have downloaded and run Smart Install, all of the iCon Pro Audio devices connected to the current computer, and the corresponding installable drivers and software will be displayed within a few seconds. You can then select the drivers and software you wish to install.

The Process works like this:

1. Processor: Intel Core i3 or equivalent performance processor
2. Download and Install the Smart Install application to your PC or Mac Computer.
3. Run the Smart Install Application. If you are on a Windows machine, Select Driver or iO Core+Driver in order to install the necessary drivers. If you are on a Mac the drivers are downloaded automatically.
4. Press the iO Core button to download and install iO Core.
5. Press the Additional Software button to locate and download any additional plugins or applications that are licensed to your user account.

In order to run Smart Install your system will need these **Minimum Requirements:**

1. Processor: Intel Core i3 or equivalent performance processor
2. Memory: 4GB or more
3. Storage Space: At least 1GB of available space
4. Internet connection is required to run the Smart Install.
5. The software must be run with administrator privileges during installation *

***On Windows PC's right click the program icon before launching and select 'Run as Administrator'.**

***On Mac systems, if a system-level application requires additional privileges, you'll be prompted to grant them. Simply follow the on-screen instructions and enter your password when requested.**

**Problems?**
**Contact iCON Tech support.**

That's why they are there!

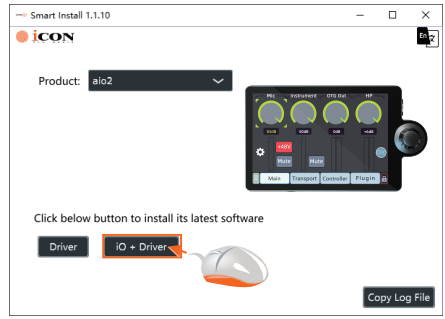
**https://support.iconproaudio.com**

# Smart Install - Windows

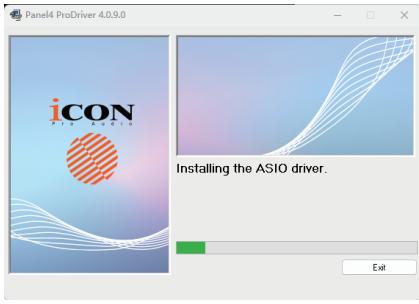
1



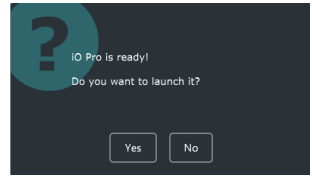

2




3

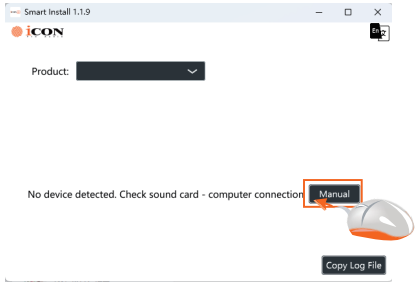



4

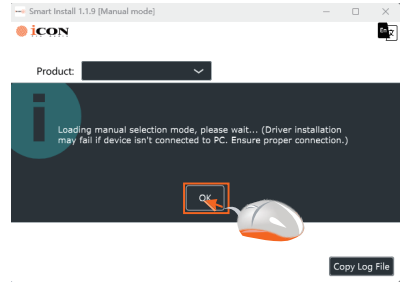



If your PC fails to automatically recognize your device or in other situations, you can manually select and install it. Please make sure the device you wish to install is connected. IMPORTANT: Make sure the correct device is selected from the drop down menu before proceeding.

1



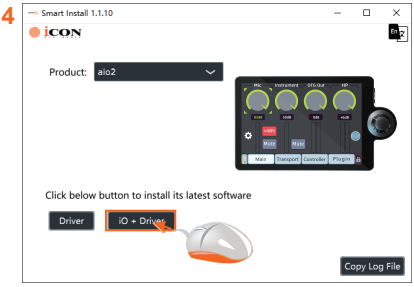

2



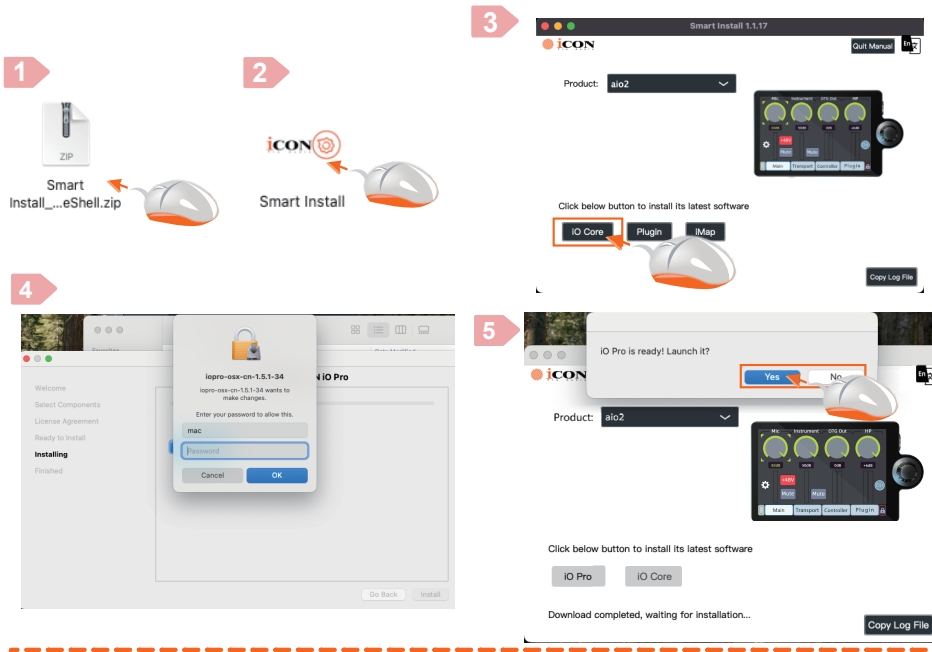

3




4



# Smart Install - Mac




If your Mac fails to automatically recognize your device or in other situations, you can manually select and install it.



# Services

**If your aio2 needs servicing, please follow these instructions.**

Check our online Help Center at **http://support.iconproaudio.com**, for information, knowledge, and downloads such as:
1. FAQ
2. Downloads
3. Product Registration
4. Video Tutorials

Very often you will find solutions on these pages. If you don't find a solution, create a support ticket at our online Help Center at the link below, and our technical support team will assist you as soon as we can.

Navigate to **https://support.iconproaudio.com** and then sign in to submit a ticket. Once you have submitted an inquiry ticket, our support team will assist you to resolve the problem with your ICON Pro Audio device as soon as possible.

If you need to open a service ticket and you are located in the **United States** or Hong Kong please visit our help center - **https://support.iconproaudio.com** and submit a ticket to the technical support team.

If you need to open a service ticket and you are located in **Europe**, please consult with your original dealer and they should be able to accomodate you. if you require help with trouble shooting, please visit our online help center - **https://support.iconproaudio.com** and submit a ticket to the technical support team.

To send defective products for service:

1. Ensure the problem is not related to operation error or external system devices.

2. Pack the unit in its original packaging including end card and box. **This is very important!** If you have lost the packaging, please make sure you have packed the unit properly. ICON is not responsible for any damage that occurs due to non-factory packing..

3. Ship to the ICON service center or the local return authorization as specified in your service ticket.

**ASIA OFFICE:**
**Unit F, 15/F., Fu Cheung Centre, No. 5-7 Wong Chuk Yueng Street, Fotan, Sha Tin, N.T., Hong Kong.**
**Tel: (852) 2398 2286**
**Fax: (852) 2789 3947**
**Email: info.asia@icon-global.com**

**For additional update information please visit our website at:**
**www. iconproaudio.com**

天猫官方旗舰店



天猫店iconproaudio旗舰店

抖音号



抖音iCON艾肯

哔哩哔哩



B站iCONProAudio

微信公众号



微信号iCON-PRO

官方售后QQ



4006311312.114.qq.com

中国地区用户

Twitter



www.twitter.com/iconproaudio

Instagram



www.instagram.com/iconproaudio

Facebook



www.facebook.com/iconproaudio

Youtube



www.youtube.com/iconproaudio

Website



www.iconproaudio.com

Support



support.iconproaudio.com

Dashboard



iconproaudio.com/dashboard/

www.iconproaudio.com