iCON
Pro Audio

Touch 8
Touchscreen Audio Interface

The Touch 8 represent the best of form and function in a modern audio interface device, taking advantage of years of software development, modern touchscreen technology, high grade preamps, excellent Analog to Digital/Digital to Analog conversion, high grade Neutrik® Combo XLR connectors, UNI OTG connectivity for streaming/live performances, optical ADAT connectivity and a host of other features including iCON's innovative iO Pro software.

Touch the future of sound!

N1630

Important Safety Instructions

1. Read this manual thoroughly before using this unit.

2. Keep this manual for future reference.

3. Take notice of and comply with all warnings included in the user's manual or indicated on the appliance.

4. Follow all instructions included in this manual.

5. Do not expose this unit to rain or moisture. Avoid having water or other liquids spilled on this unit.

6. When cleaning the cabinet or other parts of this appliance, use only a dry or slightly damp soft cloth.

7. Do not block any ventilation openings or interfere with the proper ventilation of this unit. Install in accordance with the manufacturer's instructions.

8. Do not use or store near any heat sources such as radiators, heat registers, stoves, or other heat-producing appliances.

9. Do not interfere with the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. These are designated for your safety. If the provided plug does not fit into your outlet, consult an electrician.

10. Protect the power cord from being walked on or otherwise damaged by items placed on or against them. Particular attention should be given to the plugs, receptacles, and the point where the cord exits the appliance.

11. To avoid the risk of electrical shock, do not touch any exposed wiring while the unit is in operation.

12. Only use attachments/accessories specified by the manufacturer.

13. Unplug this unit and all connected electrical equipment during lightning storms or when left unused for a long period of time.

14. Refer all servicing to qualified service personnel. Servicing is required when the appliance has been damaged in any way or fails to operate normally.

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

Contents

Introduction

Firstly, congratulations on your purchase of the ICON Pro Audio Touch 8! There are two fundamental differences between these two devices;

Touch 8
1x ADAT In + 1x ADAT out connectors = 8 additional ADAT channels
Digital to Analog Conversion =130dB

Analog to Digital Conversion =128dB for both models.

In these pages, you'll find a detailed description of the features of the Touch 8, as well as a guided tour through its top, front and rear panels, step-by-step instructions for their setup and use and a full list of specifications.

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 Touch 8 will operate flawlessly for many years to come.

We trust that this product will provide years of excellent service and 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?

- Touch 8
- USB 2.0 cable (Type-C to Type-A) x 1
- Power adapter (12V DC) x 1

Register your ICON Pro Audio product to your User Center

1. **Check the 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 personal 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 your registered devices under your account will show on the page. Each product will be listed along with all its available files such as drivers, firmware, user manuals in different languages and bundled software etc. for download.

Features Pt. 1

The Touch 8 come packed with features, geared towards the serious user. With high end preamps boasting an impressive 75dB of gain, you would expect similarly super high-end Digital to Analog and Analog to Digital convertors (DA/AD) – and that's exactly what you get.

Both devices outperform or match similar, premium devices in their class with an impressive 128 dB Analog to Digital conversion.

The Touch 8 features 130dB Digital to Analog conversion.

This provides both devices with an expansive, natural sound that effortlessly challenges dedicated high-end converters.

The Touch 8 features a 10 inch capacitive LCD multi touch screen with wide viewing angles. Its 'virtual' faders react in real time to human touch and slide smoothly up and down. The buttons are equally responsive to touch, engaging readily when pressed with light force.

Colorful, easy to read and responsive 15 segment metering indicators as well as -20 dB pad, instrument/mic/line, +48K phantom power and polarity change buttons for each channel populate the touchscreen, which is set out in an ergonomically intelligent and attractive way. As well as LED metering, the generously-sized touchscreen features dB level readouts for all channels, buttons to activate direct monitoring.

The 'Alt' button facilitates switchable monitoring which allows the engineer or producer to quickly check mixes on alternative speakers, allowing the user to switch between professional grade monitors (+4dB) and domestic grade speakers (-10dB).

Also featured is a 'dim' button which results in the output signal attenuating by -20dB.

Two 'headphones out' sockets makes it easy for collaborators, when recording in a session. No need for headphone splitters when say a guitarist and a vocalist or maybe an engineer and a vocalist are working together – simply plug in and your headphone monitoring is easily accessed. Along with individual headphone volume faders, users have a choice of monitoring options, whether this be channels 1-2, channels 3-4 or OTG. The options don't stop there as users have the option of organizing monitoring via iCON's unique and highly innovative software, iCON iO Pro wherein any input can be allocated to any output.

The Touch 8 also offer the user optical I/O with ADAT. The Touch 8 offers 1x in and 1 x out, equating to 8 additional ADAT channels.

Both units provide four Neutrik ® Combo XLR Mic/Line In/Inst In connectors, which combine an XLR connection and a 1/4inch (6.35mm) jack input in one housing.

Combined with four 1/4 inch (6.35mm) outputs, the Touch 8 gives you plenty of scope to manage your I/O needs.

The UNI OTG USB-C connector port allows the user to directly connect to internet streaming services. If you are a producer, engineer or artist who broadcasts to the internet, you can do this with pristine audio quality via the Touch 8. Especially created coding, together with one of two ARM M7 500MHz chips facilitate a super stable streaming environment with superb audio quality.

Users may connect to the iO Pro software simultaneously to enable the use of plugins such as reverb, compressors and delays on their live streaming broadcast or live performance.

The iO Pro software and the Touch 8 hardware work seamlessly together. For example, users may click 'monitor' to launch the monitoring panel in iO Pro where headphone, master outputs, direct monitoring and OTG inputs can be managed. Equally, this can be facilitated on the unit itself. Other button and fader controls are operational via the touchscreen on the Touch 8 as well as the iO Pro software. The iO Pro manual is available for download inside the application or on the product page at the iCON Pro Audio website, (https://iconproaudio.com/).

The precision engineered hardware encoder enables fine adjustment of the digital faders. Simply select a fader by touching it and move the encoder slowly to the left and right to adjust it in precise increments.

As robustly constructed as they are aesthetically pleasing, the Touch 8 are unquestionably highly evolved devices. Working in tandem with iCON's game-changing iO Pro software, together with easy to use onboard functionality and high grade internal components, the Touch 8 have a future in the professional and high-specification home studio for years to come.

Features Pt. 2

Touch 8:

- 4x4 analog I/O full duplex simultaneous recording and playback
- 10 inch capacitive LCD multi touch screen with wide viewing angles
- Ability to make adjustments on the touchscreen or via iCON iO Pro software
- High quality D-A providing a very high dynamic range of 130dB
- High quality grade A-D providing a very high dynamic range of 128dB
- Eight channels of ADAT optical (1x optical ADAT I/O)
- 24-Bit 192KHz 4 mic-In/inst-In + ADAT connectivity (8 channels) = 12 In x 12 Out capability
- Ability to use plugins in a live context whilst streaming/live via iCON iO Pro software
- Individual input faders and controls (i.e. MUTE, +48v, pad etc.)
- UNI OTG output fader
- Stereo out fader with individual controls (i.e. Dim button for -20 dB attenuation)
- Two 1/4 inch(6.35mm) headphone outputs with individual volume controls and monitoring options (unbalanced)
- Direct monitoring available
- 'Alt' button for switching between different monitoring set ups
- Hardware encoder for fine adjustment of digital faders
- UNI OTG connection with high dynamic range and extremely stable performance
- USB-C connector for PC/Mac connectivity
- 4 x Neutrik Combo XLR with 1/4 inch (6.35mm) TRS jacks for mic, line or instruments
- Four analog outputs on 1/4 inch (6.35mm) TRS jacks (balanced)
- Flexible channel routing via iCON iO Pro software
- High-resolution analog mic preamps with 75dB of gain
- ARM Cortex-M7/500MHz processing power (two instances for UNI OTG + USB-C connections)
- ARM Cortex-A7 processor to enable high quality touchscreen functionality
- USB 2.0 true high speed
- Supports Direct Sound, WDM and ASIO 2.0
- Loop Back function possible with iCON iO Pro for both Mac and Windows platforms
- Class-compliant with MacOS 10.15 or above & Windows 10 or above
- +12V DC power supply connector supplied (connector lock included)
- Rugged, high quality construction
- BNC word clock connectors

Top Panel

1. Touchscreen
High quality, wide angled view touchscreen (can be seen from multiple directions).

2. Input faders 1-4
These four faders act independently or can be linked (channels 1+2 and 3+4). They control the input signal of Mic/Inst/Line inputs 1-4.

3. dB level readout
Data regarding the dB level of the respective channel is displayed here.

4. +48V phantom power button
Press to supply +48V phantom power to the associated XLR input. This phantom power circuit is suitable for most condenser microphones.

5. Input select button
Use this switch to choose between the following;
Mic - XLR connection
Line - using 1/4 inch (6.35mm) connection
Inst - using 1/4 inch (6.35mm) connection

6. Pad button
This attenuates the signal by -20dB, before it reaches the mic preamp circuitry inside the device.

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7. Polarity button

Inverts the polarity of the channel's signal. Generally, this function is used to fix phase cancellation problems.

8. Mute button

Pressing this button mutes the signal of the associated channel.

9. Faders

The fader controls the amount of input gain for inputs 1-4, the outgoing signal for OTG, headphone levels for HP1 and HP2 and the master level.

10. Link button

Pressing this will result in the two associated faders linking and operating in tandem. The two channels will 'snap' together and the same amount of gain will be applied to both (depending on how much the user applies).

11. Hardware Encoder

This encoder can be used to make fine adjustments to the fader positions. Simply select a fader and turn the rotary knob slowly in either a clockwise or anti-clockwise direction to enable precise fader movement.

12. Headphone volume controls

Connect one or two pairs of stereo headphones to the two 1/4 inch (6.35mm) TRS jack sockets and adjust the volume with these knobs.

13. 1-2/3-4 monitor buttons

Select either '1-2' or '3-4' to monitor the corresponding input channels on either headphone channel 1 or 2 (HP1 and/or HP2) or both. For example, pressing button '3-4' on channel HP2 will result in input channels 3 and 4 being heard on headphone channel 2. The 'PC' button (17) should be selected to facilitate this function. **Please note**: '1-2' and '3-4' may not be selected at the same time on the same headphone channel.

In order to hear all 4 input channels at the same time on either or both headphone channels, the user must select 'DIR' (17) for the corresponding headphone channel and then either '1-2' or '3-4'. The audio outputs are driven by two high quality chips, (for channels 1-2 and 3-4). Here, the user is selecting either chip (it doesn't matter which), not the audio channel/s, in order to monitor all 4 inputs via direct input.

Switching from PC to DIR effectively toggles headphone monitoring from all 4 inputs - (DIR) to selected inputs 1-2 and 3-4 - (PC).

Monitor all 4 inputs = Select DIR for HP1 and/or HP2 + '1-2' or '3-4' buttons (not both). *

Monitor input channels 1-2 or 3-4 = Select PC and '1-2' or '3-4' for HP1 and/or HP2 according to requirement.

Reminder: MUTE for input channels 1-4 can be used in either mode.

* Latency in DIR (direct monitoring) mode is 0.2ms

14. Dim button (master section)

This button attenuates the signal by -20dB.

15. Alt button (master section)

Select this button to switch between two separate monitoring options via outputs 1/2 and output 3/4. The Main output level (1/2) is +4dB, intended for 'pro level' speakers. The 'Alt' output has an output level of '-10dB', which is better for a consumer system and/or speakers which have a limited trim range and are too loud when fed a '+4dB' signal.

16. Settings button (master section)

This directs the user to the configuration page on the Touch 8. Various settings can be saved as presets, (6 sets). Please see 'Settings' on page 17.

17. HP1 and HP2 'Dir/PC' button

Click on these two buttons to switch between direct monitoring - indicated by 'Dir', (i.e. the input signal of the audio interface with near-zero latency, bypassing computer processing) and the signal as heard after having travelled through the PC, (denoted by 'PC'). Please see section 13 for information on headphone monitoring via direct input.

18. Meters

15 segment, bright and clear meters for inputs 1-4, UNI OTG output, headphones 1 and 2 and master out.

Rear Panel
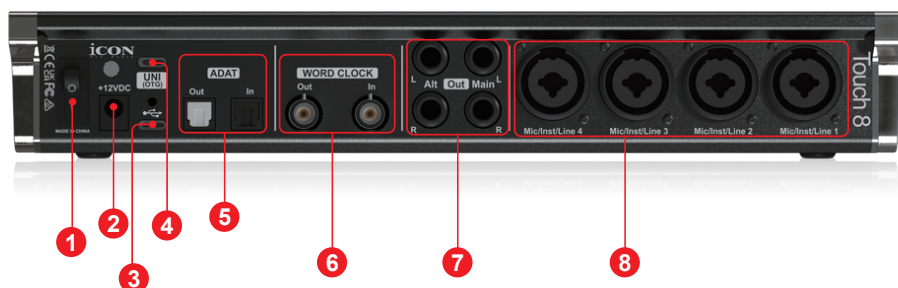
1. **Power switch**

2. **Power supply connector**
   A +12V DC power supply adapter is required to power the device (supplied).

   *(**Note:** You can purchase replacement power adapters from ICON distributors/ dealers near you or via special order from support.iconproaudio.com)*

   IMPORTANT
   The Touch 8's DC power connection includes a locking mechanism. Line up the locking tabs on the connector with the locking slots on the socket, at the rear of the Touch 8.
   Insert the connector until it is flush against the socket, then turn clockwise until it stops. Test the connector by pulling it very gently to ensure it is securely locked.
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3. **USB connector (Type-C)**
   Connect this port with the provided USB cable (Type-C) to your Mac or PC.

4. **UNI OTG**
   This USB-C UNI OTG ports allows you to connect your smart device (OTG cable/adapter and Apple camera kit required). The connection has a very high dynamic range and is extremely stable, (please see 'UNI-OTG Connection' on page 25.

5. ADAT I/O

Connect your ADAT equipped device here via an optical cable with Toslink convertors for 8 (Touch 8) additional optical ADAT channels.

The sample rate of your ADAT device must match the sample rate of your Touch 8 device in order for them to 'sync'. Sample rates for your Touch 8 device can be changed in 'Preferences' (via the 'File' menu or 'Settings' button) in iO Pro or configured via your DAW.

6. Word Clock

Use a BNC cable to link devices with Word Clock connections.

7. Outputs

MAIN L/R - These are balanced analog outputs on 1/4 inch balanced TRS connectors. These outputs should normally be connected to your main monitors, (this connection is designed for 'pro' level monitors).

ALTERNATE L/R - These balanced outputs can be connected to a pair of alternate monitors. The alternate monitoring option is triggered by pressing the 'Alt' (Alternate) button.

Note: The Main output level is +4dB and intended for 'pro level' speakers. The 'Alternate' output has an output level of '-10dB', which is better for a consumer system and/or speakers which have a limited trim range and/or are too loud when fed a +4dB signal.

8. 4 x Neutrik Combo XLR with 1/4 inch TRS jacks for mic, line or instruments

These are unbalanced instrument/balanced line inputs and balanced mic level inputs, connected to the Touch 8 pre-amp. These hybrid connectors will accept a standard 3-pin XLR plug or a 1/4 inch TS or TRS connector. The inner 1/4 inch connector is for line and instrument inputs and the XLR is intended for microphones. Use a TRS cable (balanced) for LINE inputs. A TS cable (unbalanced) can be used for instruments, (a TRS cable can also be used, but will become unbalanced in the same way as a TS cable), when INST is selected.

Ensure INST is selected when using an instrument like an electric guitar and LINE is selected when connecting external equipment like a drum machne or preamp.

A Brief Explanation of the Differences Between 'Line in' and 'Instrument Inputs'

"Line in" and "instrument in" are two types of inputs found on audio interfaces, and they differ in terms of the type of signal they can receive.

A line-in input is designed to receive a line-level signal, which is a signal that has been pre-amplified and has a higher voltage than an instrument-level signal. Line-level signals are typically used for sources such as mixers, CD players, or other audio playback devices. The line-in input is usually a balanced input that accepts a TRS (Tip-Ring-Sleeve) connector.

An instrument input, on the other hand, is designed to receive a lower instrument-level signal. This type of signal is generated by instruments such as guitars, basses, keyboards, and other electronic instruments. Instrument-level signals are usually unbalanced, meaning they have a single signal wire and a ground wire. The instrument-in input is usually an unbalanced TS (Tip-Sleeve) connector.

Note: Regarding line-level inputs, (i.e. sources from mixers, CD players and so on), because of the pre-amplification of the signal, it is often regarded as best practice to connect these devices with the PAD engaged.

As a general rule, it is always best to connect external devices with the input and output volume low, for ear safety and the protection of equipment, (in case of feedback or unexpected interference.

See 'TRS, TS and XLR Connections' on Page 21 for more details.

Front Panel

1. Headphone outputs

This output jack accepts two standard 1/4 inch stereo TRS headphone connectors.
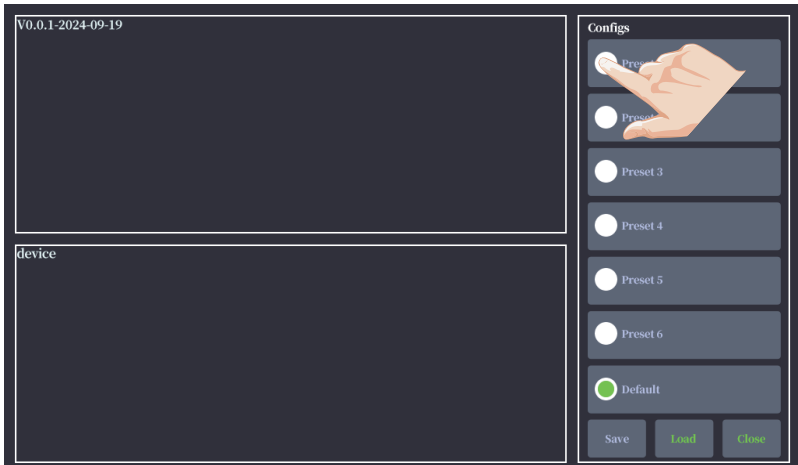
Settings

Activating the 'settings' button launches the configuration window on the Touch 8.

If you have settings you would like to save, this can be done here as a preset. Seven preset slots are available for you to save your favorite configurations.

Firstly, adjust the settings to your specification. An example is shown below of different input level settings for each of the four channels and various buttons activated, (i.e. +48V phantom power for channel 1, 'Inst' for channel 2 and so on).
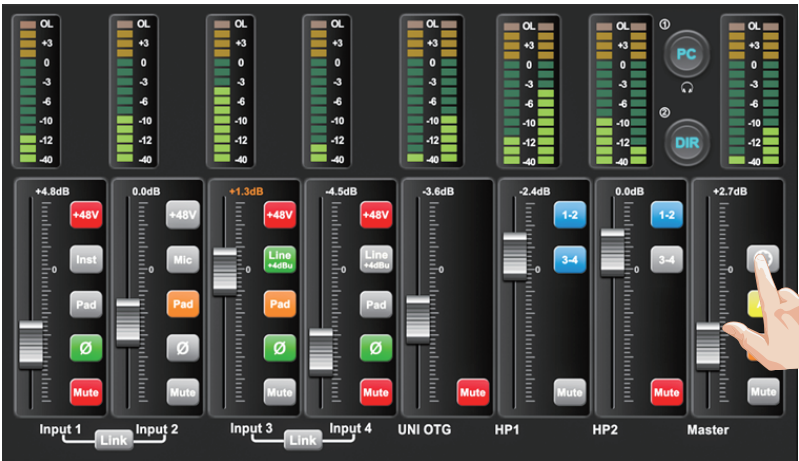
Pressing the 'Settings' button launches the configuration window as shown below. On the right, you will note that there are seven preset slots.
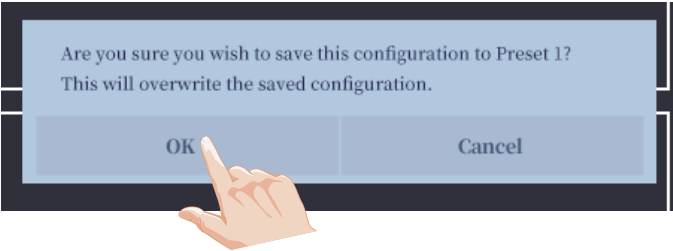
In order to save your settings as preset one, press PRESET 1;
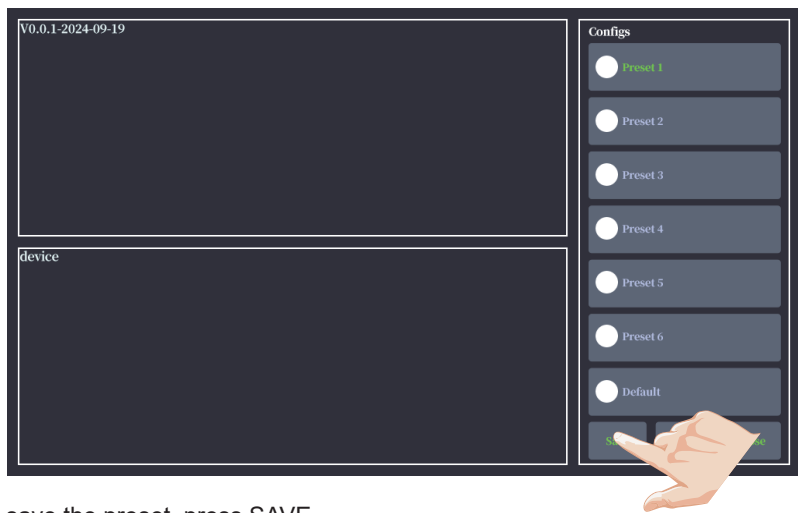
To save the preset, press SAVE.

A dialog box will launch and ask you to confirm your choice. Press OK to save.

If your settings change (as they often will in a recording session), you can return to your preset settings by returning to the configuration screen and selecting the preset and then selecting LOAD. This will revert to PRESET 1's configuration as you saved it. A confirmation pop up window will appear. Press OK.
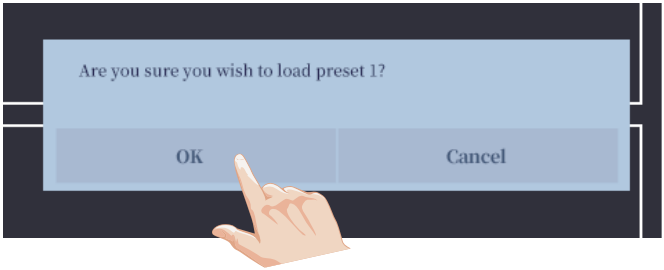
Hardware Connections

Connect the Touch 8 outputs to your amplifier, powered monitors or surround system. The default outputs are channels 1 and 2. You may select an alternate monitoring set-up using Alternate stereo outs.

The main outputs (1/2) are +4dBu and are suitable for pro level speakers. The alternate outputs (3/4) are -10dB and are best suited to consumer speakers or speakers with a limited trim range and/or are too loud to be fed the +4dBu signal.

If you are monitoring through headphones, connect your headphones to one of the device's two headphone outputs.

Connect your microphones, instruments or other line level analog sources to the device's analog inputs. Ensure the +48V switch is turned OFF for microphones that do not require phantom power. Please ensure headphones are not worn when connecting devices and that all input and output volumes (of all devices) are at a low level or zero.
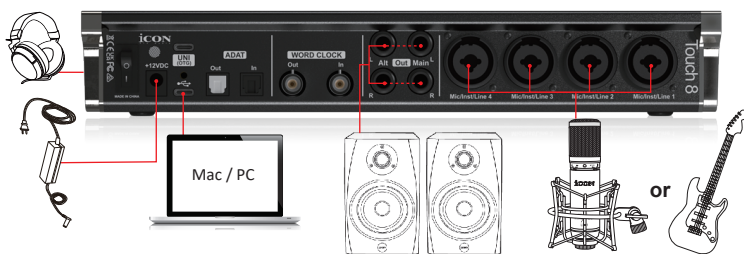
Connect your MIDI device to the MIDI I/O

Mac / PC
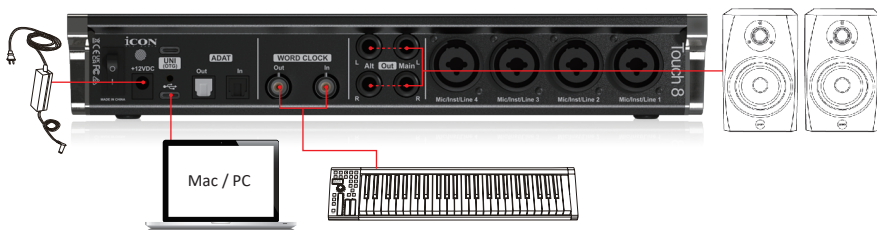
Connect OTG devices via Mobile Out (Digital)

Mac / PC

iPad

iPhone   Android

or   or

**Connect to a Microphone or instrument**

Mac / PC

or

TRS, TS and XLR Connections

Line outputs are balanced on the Touch 8 devices. TRS (balanced) cables should be used for these connections. You will be able to distinguish a ¼ inch (6.35mm) TRS (balanced) cable from a TS (unbalanced) cable by their appearance.
 A TS cable has two contact points: the Tip (T) and the Sleeve (S) as seen in the diagram, below. These cables are typically used for mono and unbalanced signals such as an electric guitar.

A TRS cable adds an extra layer - the ring. It has three conductors: Tip, Ring, and Sleeve.
TRS cables can carry balanced mono signals. These are essential for professional audio setups, where noise reduction and interference rejection matter. TRS cables also handle stereo signals such as headphones or connections to audio interfaces from additional outboard equipment.
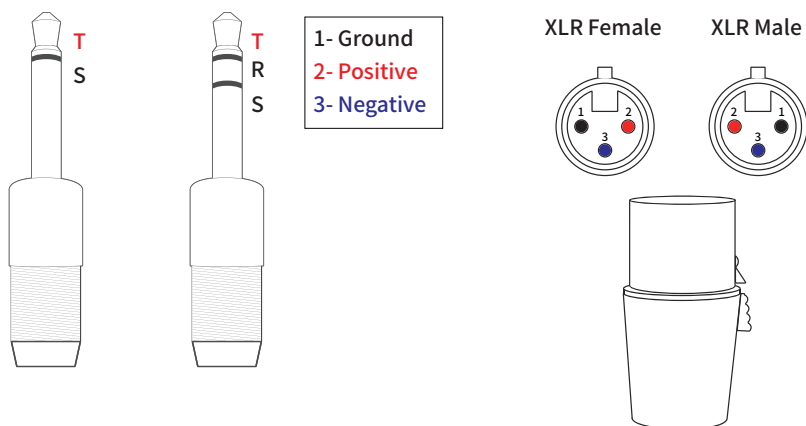
It is usual practice to connect external speakers/monitors using ¼ inch (6.35mm) TRS cables to LINE OUT ports as these connections offer the least amount of interference when compared to ¼ inch (6.35mm) TS cables. If you have ever connected active/non-active monitors to an audio interface with TS (unbalanced) cables, you may have noticed obvious audible interference, if only occasionally. Replacing TS cables with TRS cables may eradicate or vastly reduce this interference.

As mentioned above TRS cables are also capable of stereo connections as opposed to TS cables, which are only capable of mono connections, so they are an ideal choice when connecting an outboard preamp, a channel strip, a CD player, a drum machine or similar item to your interface.

For this, you would select a LINE input. You may switch to a LINE input either using the device itself or via iO Pro when using a combo XLR/¼ inch (6.35mm) input. By selecting LINE, you are providing a suitable input level for your device when using the ¼ inch (6.35mm) connector.

Select LINE, connect the external device/s (whilst powered off) using TRS to TRS connections (¼ inch (6.35mm) connectors) or, if preferred and available, an XLR to TRS ¼ inch connector, (using the TRS connector on the audio interface and the XLR connector on the outboard equipment). As +48V phantom power only travels via an XLR connection, the TRS connection will be safe.

If your microphone requires phantom power and you have connected outboard equipment such as a preamp to your interface, always use the phantom power (+48V) on the outboard equipment rather than your audio device. If you have correctly ensured the outboard equipment is connected to the audio interface via a LINE connection using a TRS cable, to the ¼ inch (6.35mm) portion of the Neutrik combo inputs, even if +48V is accidently selected, phantom power will be safely bypassed.

The advice is to NEVER connect an external device such as a preamp to an audio interface using an XLR to XLR connection. Whilst this might seem like a good idea at first, (as XLR connections are balanced), if the +48V phantom power is accidently activated on the audio interface, this will send unneeded additional power through the XLR connection and may lead to damage to the interface device as well as preamp, (especially if the preamp has +48V phantom power already activated). Equally, it is possible that any connected equipment, regardless of whether it has phantom power, when receiving an unexpected 48V charge may be damaged. Therefore, as a general rule, when connecting equipment;

Select LINE. Use the ¼ inch (6.35mm) portion of the Neutrik XLR/ ¼ inch (6.35mm) combo inputs using a TRS balanced cable only (bypasses +48V phantom power supply).

NEVER use XLR-XLR connections.

Remembering this may help eliminate some potentially expensive repair bills in the future!

If connecting an external device such as a channel strip to the audio interface, in order that you may complete tasks like perform high pass filters, add compression and coloration using 'tube' simulators and so on, you may be concerned that the signal will effectively pass through two preamps, adding unwanted additional signal coloration. Users can be assured that any coloration is negligible and that gain controls will be fully accessible to control the input signal of the channel strip.

Connecting instruments is normally executed using TS cables (unbalanced), although TRS cables can also be used. The connection is unbalanced when selecting INST, so even if you are using a TRS cable, the signal will remain unbalanced. It is important to remember when using an XLR/¼ inch (6.35mm) combo input to connect an instrument such as an electric guitar, that INST has been previously selected and that input gain is at a reasonably low level before connecting the cable/s.

In short, the usual practise would be:

Connecting LINE devices (drum machines, outboard gear etc.) – use TRS cables

If using an XLR connection on your outboard equipment to connect to your audio interface, it is best to choose an XLR to TRS ¼ inch (6.35mm) cable (always using the XLR connection for the outboard equipment and the TRS connection for your audio interface). Otherwise, choose a good quality TRS to TRS ¼ inch (6.35 mm) cable.

Note: This will remove any possibility of phantom power (+48V) being selected inadvertently on your audio interface and potentially damaging your equipment.

Connecting speakers/monitors – use TRS cables

Connecting instruments – use TS cables OR TRS cables (both unbalanced)

Connecting microphones – use XLR cables

Reminder:
NEVER use XLR cables to connect to external devices such as preamps as phantom power travels via XLR connections, (this is used to power microphones – external devices do not require phantom power and it could lead to damage to your device/s).

It may help to think of the XLR/¼ inch (6.35mm) combo inputs as balanced unless INST is selected, in which case they become unbalanced.

Different types of microphone connection method diagram

Or

XLR Balanced

Condenser Microphone (Apollo)
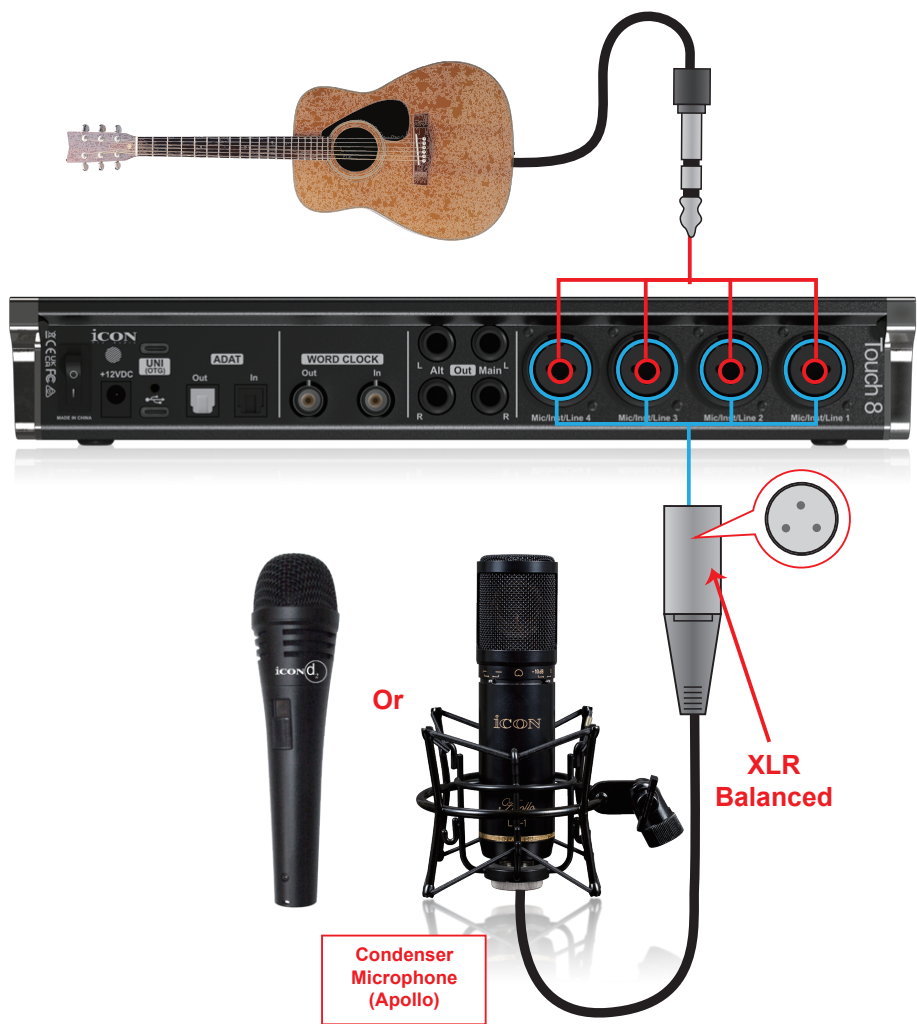
Note: *For dynamic microphone users, please make sure +48V phantom power switch is "OFF" before you plug in your microphone, otherwise it may cause damage to your microphone.*

UNI OTG Connection

"OTG" connectivity is available via the Touch 8

"OTG" stands for "On-The-Go". It refers to 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 new, advanced coding.

The Touch 8s 'UNI OTG' capability allows the user to broadcast on social media, taking advantage of its superb audio capabilities. One of the unit's two extremely high quality ARM M7 chips along with new, especially created coding is used to enable the UNI OTG connection, resulting in extremely high quality audio and a super stable connection.

In order to use this feature, a special 'OTG cable must be used – a standard USB cable will not work. 'OTG' cables have an additional pin in the mobile phone connector, which allows the device to act as a 'host'.

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.

2. Obtain an OTG cable - you will need an Apple Camera kit to connect.

3. Turn on the Touch 8. Connect the Touch 8 via the USB-C port.

4. Plug the other end of the OTG cable into your mobile or tablet's charging or data port. Your device should recognize the Touch 8 automatically.

5. Launch your chosen streaming or recording application on the device.

6. Check to see if it is receiving audio from the device. You should be able to hear the output of the Touch 8 on your phone/device and/or see the signal of the output (depending on the app you are using).

24 7. Start streaming – the audio output from the Touch 8 will be reflected in your

broadcast.

8. When you have completed your broadcast, safely eject the Touch 8. 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 the above 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.

Please note that the Apple Camera kit device is required when using the OTG connection.

Installing your Touch 8

To ensure proper functionality of your Touch 8 for either Mac or Windows, iCON's iO Pro software should be downloaded and installed.

Please remember to ensure you've connected your device to your computer (PC or Mac) and turned it on, ensuring you have a stable connection to the internet *before* installation of iO Pro commences.

During the installation, iO Pro will install various drivers - the loopback drivers for Mac systems, for example. For Windows systems, iO Pro will prompt the user to install ASIO drivers toward the end of the process. Please note that it is vital for Windows users to install ASIO drivers.

Full installation instructions can be found in the iO Pro manual and the quick start guide for your device.

Steps:

1. **Connect your device to your computer**

2. **Ensure it is on and connected to the internet**

3. **Download and read the installation instructions (Quick Start Guide or iO Pro manual)**

4. **As a precaution, disconnect other peripheral devices such as sound modules from your computer**

5. **Download iO Pro**

6. **Run the iO Pro installer**

7. **Grant permissions for iO Pro to install drivers (Windows users *must* install the ASIO drivers or the device will not function)**

Documentation is periodically updated. Please ensure you are following instructions from the latest version of the Quick Start Guide or iO Pro manual (available on the product page of the iconproaudio.com website).

iO Pro Virtual Mixer and Plugin Host

Experience the ultimate audio control with iO Pro, the companion software for iCON Pro Audio interfaces. This powerful tool seamlessly integrates into your system, allowing you to transport audio effortlessly and utilize plugins without the need for a DAW. Store your favorite plugin chains as presets for easy access, whether you're podcasting, streaming, recording, or mixing. iO Pro empowers you to achieve professional-grade results with ease.

Developed through years of dedicated research and development, iO Pro is a mature, stable, and intelligent software solution. It enables live plugin use, flexible channel routing, direct monitoring, and plugin sidechaining, among many other features. Compatible with both Windows and Mac, iO Pro is designed to enhance your audio experience across all platforms.

Full instructions on how to install iO Pro are in the iO Pro manual which can be found on the product page on the iCON website, (https://iconproaudio.com/). It is also easy to locate within the iO Pro software itself, by selecting HELP and then MANUAL, (which you won't be able to do until you install the software obviously!).

Whilst it is important to read the instructions in the iO Pro manual/Quick Start Guide, users are hereby advised to ensure that their devices are connected and switched on prior to the installation process.

Windows ASIO drivers will be installed once the installation of the iO Pro software is complete. It is important that you complete the process and ensure the computer can 'read' the interface, by leaving it on during the installation process. Additionally, Mac users should note that loopback drivers are installed via iO Pro.

If for any reason you stop the process before you successfully install iO Pro (and/or the ASIO drivers for Windows users), it is good practice to uninstall iO Pro completely, (checking to make sure it is deleted from your program files) and begin the installation afresh, (should you run into issues with multiple attempted installations, you may wish to try this). Ordinarily, you may simply reinstall iO Pro over the existing instance of the software.

Windows users: Install iO Pro **and** ASIO drivers

Mac users: Install iO Pro **and** loopback drivers*

* no special steps are required - iO Pro will install loopback drivers automatically

Using your device with iO Pro

Using ICON iO Pro in conjunction with your Touch 8 provides many advantages and you will note many of the functions of the device are mirrored in the software. Every compatible iCON device has its own unique version of iCON iO Pro. Please see the diagram below to see how the Touch 8 functions are reflected in iO Pro.
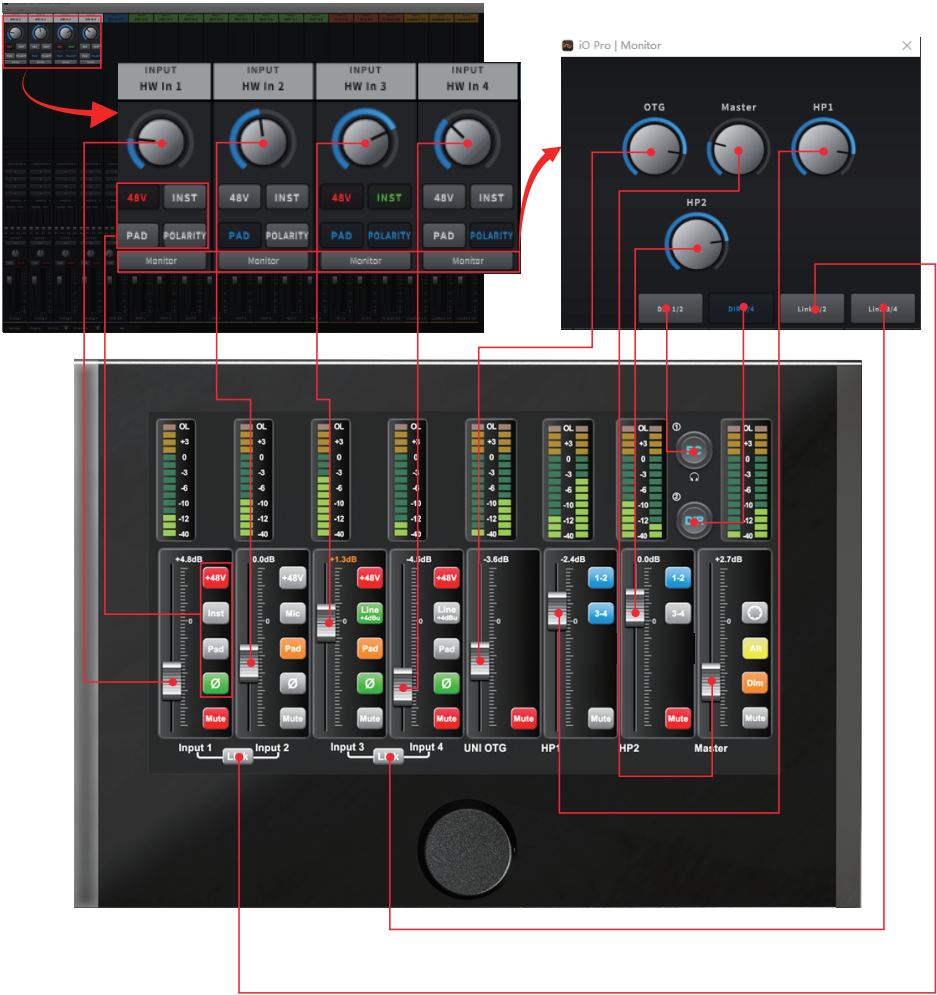
As the diagram suggests, functions such as 'Pad' and '+48v phantom power' can be activated on the Touch 8 via iCON iO Pro. This is likely to prove extremely useful if say, an engineer is stationed at a computer with the iO Pro software and/or a DAW running and the Touch 8 is located some distance away. The engineer doesn't constantly need to leave their area in order to make changes to the equipment. Not only is this convenient, but it will likely prove over time, a labor saving factor.

The iO Pro software provides opportunities to do what the hardware can't do alone. For example, the use of loopback, using software plugins in a live context or for streaming productions (without the use of a DAW), and flexible routing. For example, any input can be routed to any output within iO Pro.

There is also a 'settings' menu where the user may configure settings according to their requirements,

In order to gain a full understanding of the software, please download and read the iO Pro manual.

Specifications: Touch 8

I/O	
Microphone Inputs (XLR - balanced)	Four
High Impedance (Hi-Z) Instrument Inputs	Four
Analog Line Inputs	Four
Analog Monitor Outputs (DC coupled)	Four (two stereo pairs Main & Alt)
Word Clock IN	One
Word Clock OUT	One
Digital Input Port	One (ADAT)
Digital Output Port	One (ADAT)
Digital Output Port	One (USB OTG)
Audio to Digital Conversion	
Dynamic Range	125dB, A-weighted
Signal-to-Noise Ratio	-125dB, A-weighted
Total Harmonic Distortion + Noise	-117dB, -1dBFS
Digital to Audio Conversion	
Dynamic Range	130dB, A-weighted
Signal-to-Noise Ratio	-130dB, A-weighted
Total Harmonic Distortion + Noise	-120dB, -1dBFS
ANALOG I/O	
Mic Inputs (XLR balanced)	
Frequency Response	20Hz to 20kHz (+/-0.1dB)
Minimum voltage gain	0dB (fader @ unity, -20dB pad)
Maximum voltage gain	75dB (fader @ unity, no pad)
Nominal input level	-16dBu through -66dBu (fader @ unity,no pad, @ +4dBu output)
Maximum input level	+18dBu (fader @ unity, -20dB pad)
Expected source impedance	150 to 2000 Ohms
Actual load impedance	1200 Ohms
Instrument Inputs 1/4	
Frequency Response	20Hz to 20kHz (+/-0.1dB)
Input Impedance	1M Ohms, typical
Maximum input level	+18dBu (fader @ unity, -20dB pad)
Line Inputs 1/4	
Frequency Response	20Hz to 20kHz (+/-0.1dB)
Maximum level	+24dBu
Nominal input level	+4dBu
Expected source impedance	20000 Ohms or less
Actual load mpedance	10 kOhms
Line Outputs 1/2 (6.35mm TRS, Balanced)	
Frequency Response	20Hz to 20kHz (+/-0.1dB)
Maximum level	+24dBu
Nominal input level	+4dBu
Minimum load impedance	600 Ohms
Headphone Outputs: (Stereo, Unbalanced)	
Frequency Response	20Hz to 20kHz (+/-1dB)
Load Impedance	16 to 600 Ohms
Maximum Output Level	+21dBu, no load +21dBu, 600Ohms (11.4Vrms) +20dBu, 100 Ohms (10Vrms) +14.6dBu, 32 Ohms (5.4Vrms) +8.6dBu, 16 Ohms (2.7Vrms)

Services

If your Touch 8 needs servicing, follow these instructions.

Check our online Help Center at **http://support.iconproaudio.com,** for information, knowledge, and downloads such as:
1. FAQ
2. Download
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.

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 tech support center or the local return authorization. See our service centers and distributor service points at the link below:

If you are located in the **United States** please visit our help centre - **https://support.iconproaudio.com** and submit a ticket to the technical support team.

If you are located in **Europe**, please email the support team and wait for a response before sending the product to:

Sound Service GmbH
European Headquarters
Moriz-Seeler-Straße3 D-12489
Berlin
Telephone: +49 (0)30 707 130-0
Fax: +49 (0)30 707 130-189
E-Mail: service@sound-service.eu

If you are located in **Hong Kong** please email the support team and wait for a response before sending the product to:
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

iCON Pro Audio

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