

32Ci

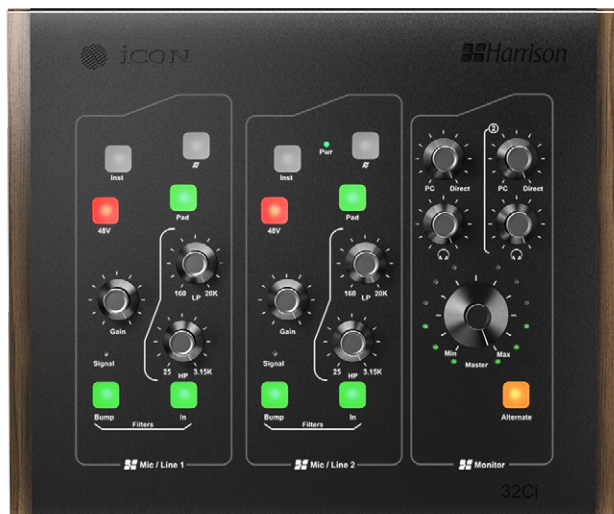
Analog Mic Preamp with Audio Interface

A legend re-imagined

The 32Ci is a professional, high end device packed with features for the discerning engineer, producer and musician.

The legendary Harrison 32C preamps from the world-famous mixing console of the same name need no introduction - Michael Jackson's multi award winning 'Thriller' & 'Bad' albums, Paul Simon's ground-breaking 'Graceland' and a slew of other hugely famous recordings by AC/DC, Genesis, Janet Jackson, ELO and Led Zeppelin are testament to that.

In addition to world class, console grade 32C preamps, the 32Ci offers an array of features taken from and inspired by the original 32C console, including high grade low and high cut filters, a 'bump' button (a common modification on the original 32C console), coupled with extremely high AD/DA conversion rates, (125dB A-D/129dB D-A), two Neutrik® Combo XLR Mic/Line In Connectors, switchable monitoring options and multiple I/O options including ADAT.



 CAUTION  RISK OF ELECTRIC SHOCK DO NOT OPEN RISQUE DE CHOC ELECTRIQUE NE PAS OUVRIR CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (OR BACK) NO USER-SERVICEABLE PARTS INSIDE REFER SERVICING TO QUALIFIED PERSONNEL ATTENTION: POUR EVITER LES RISQUES DE CHOC ELECTRIQUE: NE PAS ENLEVER LE COUVERCLE. AUCUN ENTRETIEN DE PIECES INTERIEURES PAR L'USAGER. CONFIER L'ENTRETIEN AU PERSONNEL QUALIFIE. AVIS: POUR EVITER LES RISQUES D'INCENDIE OU D'ELECTROCUTION, N'EXPOSEZ PAS CET ARTICLE A LA PLUIE OU A L'HUMIDITE	  The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure, that may be of sufficient magnitude to electric shock to persons. Le symbol clair avec point de flèche à l'intérieur d'un triangle équilatéral est utilisé pour avertir l'utilisateur de la présence d'intérieur du coffret de voltage dangereux non isolé d'ampleur suffisante. exclamation point within an equilateral triangle is intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance. Le point d'exclamation à l'intérieur d'un triangle équilatéral est employé pour avertir les utilisateurs de la présence d'instructions importantes pour le fonctionnement et l'entretien (service) dans le livret d'instruction accompagnant l'appareil.
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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

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Introduction

Firstly, congratulations on your purchase of the Harrison and ICON Pro Audio 32C Analog Mic Preamp with Audio Interface! In these pages, you'll find a detailed description of the features of the 32Ci Analog Mic Preamp with Audio Interface, 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 32Ci Analog Mic Preamp with Audio Interface 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?

- 32Ci Mic Preamp and Audio Interface
- Quick Start Guide x 1
- USB 2.0 cable (Type C) x 1
- Power adapter (12V DC)

The 32C Preamps

Harrison 32C preamps are extremely well regarded for their warm and transparent sound quality. They are known for delivering a clean and detailed signal with a low noise floor, making them suitable for a wide range of recording applications. The preamps feature high-quality transformers that help to impart a rich and musical character to the sound, adding depth and warmth to recordings.

The 32C preamps have a wide frequency response and are capable of capturing both the subtle nuances and the dynamic range of the source material.

They also have high headroom, which means they can handle high input levels without distorting, making them ideal for recording loud sources such as drums or electric guitars. Overall, the Harrison 32C preamps are considered to be high-quality and versatile preamps that can help to elevate the quality of your recordings.

Visit the Harrison site to find out more about the legendary 32C console;
<https://harrisonconsoles.Com/history/>



Legendary producer Bruce Swedien's Harrison 32C console.

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](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 Harrison 32C console is one of the most famous, highly regarded recording and mixing consoles of all time. It was used on Michael Jackson's "Thriller", Paul Simon's "Graceland" and other recordings by Janet Jackson, AC/DC, Led Zeppelin, ELO, Genesis, Blondie and Supertramp to name just a few. The very same, extremely high-grade preamps that existed within the 32C consoles feature in the '32Ci Analog Mic Preamp with Audio Interface', a co-branded collaboration between iCON Pro Audio and Harrison – a significant development in the world of audio interfaces.

The 32Ci comes packed with features, geared towards the high end user. With pre-amps of such distinction from the legendary Harrison 32C consoles, you would expect equally super high-end Digital to Audio and Audio to Digital convertors (DA/AD) – and that's exactly what you get.

The 32Ci outperforms or matches similar, high end devices in its class with 129 dB Digital to Audio dynamic range and 120dB THD+N, (total harmonic distortion + noise). The 32Ci also delivers excellent audio to digital conversion, namely 125 dB dynamic range and -117 dB THD+N, . This provides the 32Ci with an expansive, natural sound that effortlessly challenges dedicated high-end converters.

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 are working together or maybe an engineer and a vocalist – simply plug in and your headphone monitoring is covered. Each can even have their own separate headphone mix, (depending on your DAW software).

The 32Ci Analog Mic Preamp with Audio Interface also offers the user optical I/O with ADAT as well as two Neutrik ® Combo XLR Mic/Line In Connectors, which combine an XLR connection and a 1/4" phone jack in one housing as well as two separate 1/4" Line Inputs. Combined with four 1/4" outputs, the 32Ci gives you plenty of scope to manage your I/O needs.

MIDI in/out ports allow you to connect MIDI devices directly via the 32Ci and the USB C Instant Live Streaming 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 32Ci.

The 32Ci features a range of controls including low and high pass filters. The filters are taken from the 32C console and are extremely high grade tools - extremely useful in treating the signal at source, such as a cutting very low frequencies in a vocal (for example, cutting at 80Hz), or significantly reducing the shimmer of cymbals, (with a cut at around 12-14KHz, for example).

The bump button engages a slight resonance at the cutoff frequency of the high-pass filter (only). This helps retain some of the perceived bass energy, while still filtering out unwanted frequencies below the cutoff frequency. The 'bump' button was not included in the original design of the 32C console, but was a common modification, thereafter.

There are two rotary knobs which control the monitoring of the two main inputs; the user may blend the signal and select their 'sweet spot' between the direct signal (i.e. the signal that is going in to the device) and the PC (the signal that is coming out from the computer). Below this, the headphone volume knobs are conveniently placed, for both headphone outputs.

A sturdy high grade monitor knob complete with responsive LED metering indicators and pad, instrument, +48K phantom power and polarity change buttons for each 32C preamp sit atop the device. Users will notice the expensive feel of the buttons and knobs - all switchgear is manufactured to a very high specification.

Switchable monitoring allows the engineer or producer to quickly check mixes on alternative speakers, allowing the user to switch between professional grade monitors (+4) and domestic grade speakers (-10). This is easily achieved via the 'Alternate' button. If secondary monitors are not fitted, the 'Alternate' button effectively becomes a convenient 'Mute' button.

A super fast and reliable chip, ARM-M7/500MHz is used internally for extremely stable signal processing - two instances of the chip are used, one for the USB connection and one for mobile devices via the independent Type-C connector at the rear.

The Harrison 32C workflow is available at the mixing stage as well as the recording stage with the included Harrison Vocal Intensity Processor and AVA Live plug ins, all modelled from the same hardware technology as the 32C console. Please ensure you download and install these excellent plug-ins at your first available opportunity

Features Pt. 2



Main features include:

- Two high-resolution, smooth, console-grade analog mic preamps and filters (as used by Michael Jackson, Paul Simon, Genesis, AC/DC on the original 32C console)
- 32C Mic/Instrument preamps complimented by individual gain control & phantom power
- 'Bump' control for retaining presence, while cutting low frequencies as featured on later modifications to the original 32C analog desk
- Pad switch for 20dB signal attenuation
- Eight channels ADAT optical
- 24-Bit 192KHz 2 mic-In/2 inst-In + ADAT connectivity = 12 In x 12 Out capability
- 4x4 analog I/O full duplex simultaneous recording and playback
- High end studio grade D-A providing a super high dynamic range of 129 dB
- High end studio grade A-D providing a super high dynamic range of 125 dB
- Supports Mac/PC connectivity simultaneously with Smart Devices
- Live sessions possible with audio signal processing via ProDriver virtual plug-in rack
- Compatible with iOS and Android Digital I/O jack (Type C) & Analog I/O jack (3.5mm stereo TRS) for direct connection with Smartphones, tablets and other devices
- Four analog outputs on 1/4" TRS jacks
- 2x MIDI IN/OUT 5 pin DIN connectors
- Monitor volume control knob
- 'Alternate' button for switching between different monitoring set ups

- Extremely well built and robust switch gear and surfaces
- Two headphone outputs with individual volume controls
- Flexible channel routing via the ProDriver software control panel
- ICON Pro Audio developed ultra low latency ProDriver™ driver included
- ICON Pro Audio's innovative and user friendly plug-in hosting rack software built-in with ProDriver™ (Windows and Mac)
- ARM-M7/500MHz processing power and technology for super fast and extremely stable signal processing - two instances of the chip are used, one for the USB connection and one for mobile devices via the independent Type-C connector at the rear
- +4/-10 button for inputs 3+4
- Supports Direct Sound, WDM and ASIO2.0
- Loop Back function is possible with iCON I/O Pro for both Mac and Windows platforms
- Class-compliant with MacOS 10.15 or above & Windows 10 or above
- +12 V DC power supply connector supplied for external power supply when using with iOS
- Rugged, high quality construction
- Bundled plugins include: Harrison Vocal Intensity Processor and AVA Live



32C Bus

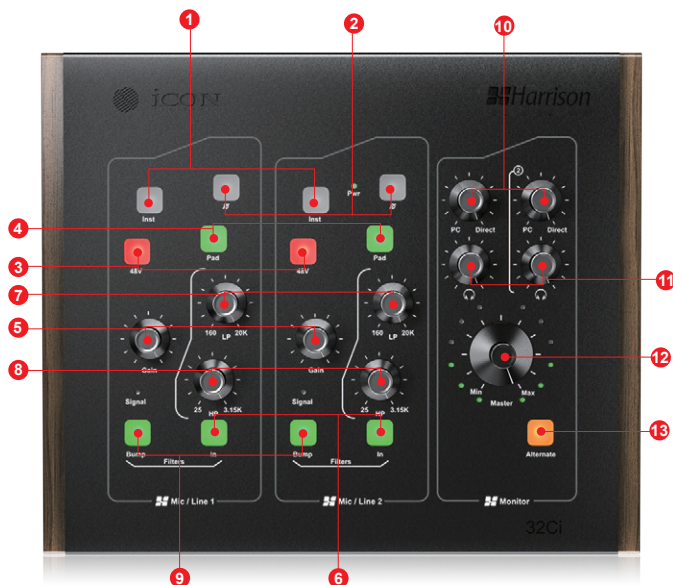


32C Vocal Intensity Processor



32C Channel

Top Panel



1. Inst. switch

Switches the "Mic/Instr" 1/2 input to the dedicated hi-z instrument input instead of the XLR/Mic +48v input.

2. Polarity switch

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

3. +48V phantom power switch

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

4. Pad switch

This attenuates the signal by 20dB, before it reaches the mic preamp circuitry inside the 32Ci.

5. Gain control

This potentiometer controls the gain of the input of the selected channel.

6. 'In' button

Selecting the 'In' button will engage both the High Pass Filter and Low Pass Filter, which matches the operation of the original 1970's era Harrison 32C console. If the button is disengaged then the filters (and bump) have no effect on the signal.

7. LP Button (Low Pass Filter)

A circuit that only passes signals below its cutoff frequency, selectable with the LP knob, while attenuating all signals above it.

8. HP Button (High Pass Filter)

A circuit that only passes signals above its cutoff frequency, selectable with the HP knob, while attenuating all signals below it.

9. 'Bump' Button

This engages a slight resonance at the cutoff frequency of the high-pass filter (only). This helps retain some of the perceived bass energy, while still filtering out unwanted frequencies below the cutoff. The 'bump' button was not provided on the original 32C analog console, but was a common modification, thereafter.

10. PC/Direct Knob

This knob blends the signal from the PC and the input to the 32Ci.

11. Headphone volume controls

Connect one or two pairs of stereo headphones to the two 1/4 " TRS jack sockets and adjust the volume with these knobs. The headphone outputs should be routed to analogue outputs 1/2 and 3/4 respectively (as stereo pairs).

12. Master knob

This knob controls the volume of the main output 1/2, unless the 'Alternate' button is selected, in which case the knob will control outputs 3/4, (if no monitoring is set up for outputs 3+4, the 'Alternate' button effectively becomes a 'Mute' button). The surrounding LED lights provide responsive Left + Right channel metering, (in six segments indicated by the LEDs, (-20dB, -10dB, -6dB, 0dB, +6dB and +10dB). This metering shows the level for the 'monitor mix' being sent to the speakers, i.e. it shows the combined level of the direct inputs and PC playback.

Note: if you turn the mix knob all the way to 'direct' and speak into a mic (or use instrument or line-in sources), the user can benefit from the level meter for setting the mic/instrument/line in input level.

13. Alternate button

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

Rear Panel



1. Power supply connector

A +12V DC power supply adapter is required to power the 32Ci (supplied).

(Note: You can purchase replacement power adapters from ICON distributors/dealers near you)

2. USB connector (Type C)

Connect it with the provided USB cable (Type C) to your Mac/PC/iOS device camera kit's USB connector. Your Mac/PC must have a USB2.0 connector in order to run the full speed of the 32Ci.

3. Mobile Out (Digital - Type C & Analog - 3.5mm TRRS)

These ports allow you to connect your smart device and your Mac/PC simultaneously, so you may process the audio signal with your Mac/PC before delivering signal to the smart device for live streaming applications.

Digital - Type C jack for connecting directly to the digital jack of the smart device (OTG adapter required)

Analog - TRRS stereo jack for connecting directly to smart device's audio I/O

4. ADAT I/O

Connect your ADAT equipped device here via an optical cable with Toslink convertors for up to 8 channels.

5. MIDI I/O connectors

MIDI input and output standard 5-pin DIN connectors.

6. Outputs

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

ALTERNATE L/R - These outputs can be connected to a pair of alternate monitors. The alternate monitoring option is triggered by pressing the 'Alternate' button. If no alternate monitoring is connected, the 'Alternate' button effectively becomes a 'MUTE' button for the MAIN L/R monitors, when it is pressed.

Note: *The Main output level is '+4', intended for 'pro level' speakers. The 'Alternate' output has an output level of '-10', which is better for a consumer system and/or speakers which have a limited trim range and/or are too loud when fed a '+4' signal. If you only have one pair of speakers, you can use the connection that makes the most sense for your setup and the alternate button effectively becomes a mute switch.*

7. Inputs 3+4

These are balanced analog inputs on standard 1/4" balanced TRS connectors, switchable between '+4' and '-10' (via the adjacent button). The '+4' setting is preferable for a professional device (like the output of a high-end mic preamp), while the '-10' setting is more suitable for a consumer device.

One of the expected uses of the line input 3+4 is for a keyboard synth or a drum machine. In this scenario, the '-10' switch serves to provide more suitable gain for say, a synth, allowing it to be better level-matched with the mic/instr inputs by using the knobs on the front panel. See the real world example on page 15.

8. +4/-10 switch

This button allows you to select the input sensitivity between '-10' and '+4' for line inputs 3+4, as described above. The switch affects both inputs 3+4 simultaneously.

9. "Mic/Instr" Inputs 1/2

These are unbalanced instrument and balanced mic level inputs, connected to the 32C pre-amp. These hybrid connectors will accept a standard 3-pin XLR plug or a 1/4" TS connector. The inner 1/4" connector is ONLY for Hi-Z instrument-level input, and the XLR is intended for microphones.

With the 'Instr' switch selected, the pre-amp will switch to the dedicated hi-z instrument input instead of the XLR/Mic +48v input.

Note: Regarding line-level inputs, (i.e. sources from mixers, CD players and so on), the best option is to use the dedicated balanced line-level input connectors at the rear of the device.

Alternatively, it is possible to use the balanced XLR inputs with the PAD engaged. A line-level signal connected to the XLR will have slightly higher noise due to the mic preamp gain. However, this does allow the user the benefit of adjusting level control, polarity and filters. However, on the whole, the 'instrument' 1/4" plug is not recommended for connection to a line-level source.

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 level 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.

In summary, the main difference between line-in and instrument-in inputs on an audio interface is the type of signal they can accept. Line-in inputs are designed for line-level signals, while instrument-in inputs are designed for instrument-level signals.

Using Inputs 3/4 and the -10/+4 switch

Real world Example:

Sean is using a drum machine on inputs 3+4. Sean can barely hear it, above the level of the high-gain microphone inputs, because the drum machines output volume is relatively low in comparison. Sean unplugs the drum machine safely, selects the -10 switch and plugs the drum machine back in, (ensuring the Master knob & headphone volumes are turned down first to protect ear safety). The -10 switch tells 32Ci that it needs to give the line inputs an extra 'boost' to help them compete with the high-gain mic and instrument inputs. Sean can now make a better job of balancing the inputs 3+4 against inputs 1+2 with the 'Gain' knobs on the top panel.

Note: When the -10 (consumer-level) switch is engaged, the input signal is expected to be unbalanced. With the switch in the +4 position, the input signal is expected to be balanced.

This matches the expected behavior of consumer vs pro equipment.

Front Panel



1. Headphone output

This output jack accepts a standard 1/4" stereo TRS headphone connector. Headphone Output 1 is fed by DAW Mix 1/2 (the main output of the DAW).

Headphone Output 2 is fed by DAW Mix 3/4, which means you can effectively have two different DAW mixes and PC/Direct blends for each Headphone user, (particularly useful if, for example, Headphone User 1 user is an engineer and Headphone User 2 is a singer).

Hardware Connections

Connect the 32Ci Analog Mic Preamp with Audio Interface 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 (3/4).

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

If you are monitoring through headphones, connect your headphones to the device's headphone output. HP output 2 is fed by DAW output 3/4 only.

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.

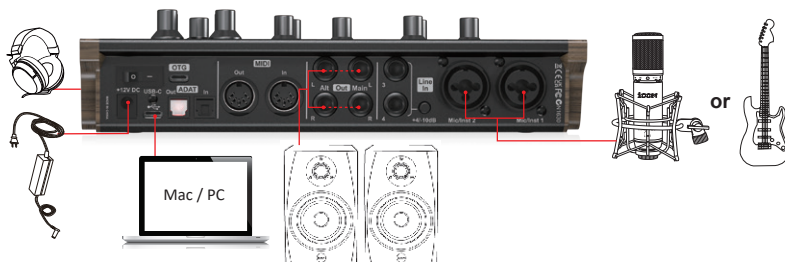
Connect your MIDI device to the MIDI I/O



Connect OTG devices via Mobile Out (Digital)



Connect to a Microphone or Instrument



Different types of microphone connection method diagram



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.

OTG Connection



"OTG" connectivity is available via the 32Ci.

"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. The 32Ci's 'OTG' capability allows the user to broadcast on social media, taking advantage of the 32Ci's superb audio capabilities.

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 32Ci. Connect the 32Ci 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 32Ci 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 32Ci 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 32Ci will be reflected in your broadcast.
8. When you have completed your broadcast, safely eject the 32Ci. 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.

Specifications

32Ci Technical Specifications	
I/O	
Microphone Inputs (XLR - balanced)	Two
High Impedance (Hi-Z) Instrument Inputs	Two
Analog Line Inputs	Two
Analog Monitor Outputs (DC coupled)	Four (two stereo pairs Main & Alt)
MIDI IN	One
MIDI OUT	One
Digital Input Port	One (ADAT)
Digital Output Port	One (ADAT)
Analog 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	129dB, A-weighted
Signal-to-Noise Ratio	-129dB, 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	70dB (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 200 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	1000 Ohms or less
Actual load impedance	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 32Ci Analog Mic Preamp with Audio Interface needs servicing, follow these instructions.

Check our online help centre at <http://support.iconproaudio.com>, for information, knowledge, and downloads such as:

1. FAQ
2. Download
3. Learn More
4. Forum

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

Navigate to <http://support.iconproaudio.com> and then sign in to submit a ticket or click "Submit a ticket" without the need to sign in.

As soon as you have submitted an enquiry ticket, our supporting 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. Keep this owner's manual. We don't need it to repair the unit.
3. 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.
4. Ship to the ICON tech support center or the local return authorization. See our service centres and distributor service points at the link below:

If you are located in US

Send the product to:

North America

Mixware, LLC – U.S. Distributor

3086 W. POST RD.

LAS VEGAS NV 89118

Tel.: (818) 578 4030

Contact: www.mixware.net/help

If you are located in Europe

Send the product to:

Sound Service

GmbH European

Headquarter Moriz-Seeler-Straße

3D-12489 Berlin

Telephone: +49 (0)30 707 130-0

Fax: +49 (0)30 707 130-189

E-Mail: info@sound-service.eu

If you are located in Hong Kong

Send the product to:

ASIA OFFICE:

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