IK Multimedia. Musicians First.

iRig® Pro Quattro I/O

4 in / 2 out portable audio/MIDI interface for iOS, Android and Mac/PC, with standalone functionality

USER MANUAL

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Safety information

CAUTION: RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

iRig Pro Quattro I/O can ONLY be used with:

- Consumer grade non-rechargeable CARBON-ZINC batteries
- ALKALINE batteries
- Consumer grade Ni-MH rechargeable batteries

iRig Pro Quattro I/O

Thank you for purchasing iRig Pro Quattro I/O.

Your package contains:

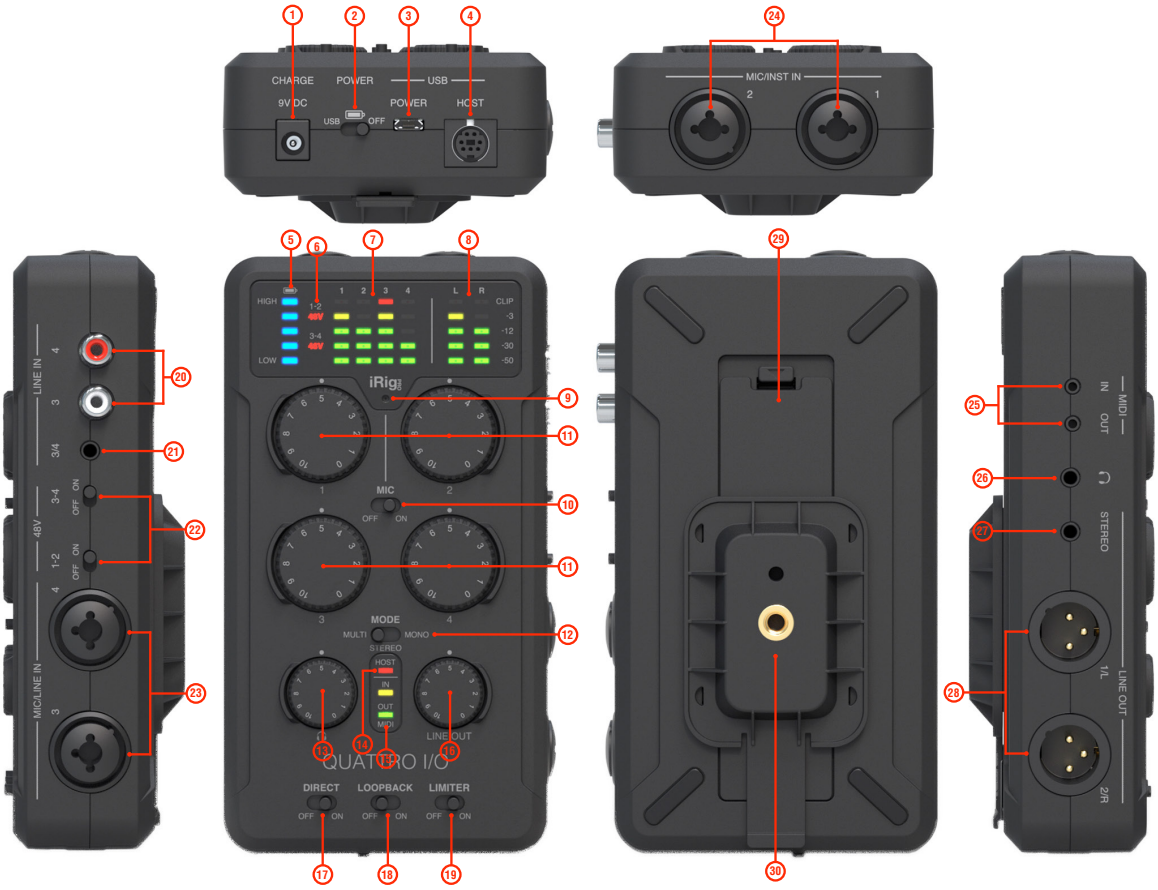
- iRig Pro Quattro I/O
- 1/4” thread adapter
- 4 x AA batteries (alkaline)
- Mini-DIN to Lightning cable
- Mini-DIN to USB-A cable
- Mini-DIN to USB-C cable
- MIDI adapter
- 2 x iRig Mic XY microphones (Deluxe version only)
- Microphones windshield (Deluxe version only)
- iRig PSU9175 (Deluxe version only)
- Carrying case (Deluxe version only)
- Registration card

Register your iRig Pro Quattro I/O

By registering, you can access technical support, activate your warranty and receive free JamPoints™ which will be added to your account. JamPoints™ allow you to obtain discounts on future IK purchases! Registering also keeps you informed of all the latest software updates and IK products.

Register at: **www.ikmultimedia.com/registration**

iRig Pro Quattro I/O overview



1. **External DC power input** - 2-pole barrel socket. 9V DC, 1.75A (max), positive on the external pole. When iRig Pro Quattro I/O is connected to a Lightning iOS device, using this DC In with the optional PSU (included in Deluxe version) will charge the connected iPhone or iPad.
2. Power switch - 3 position switch. Turns the power on and off.
3. **External micro-USB power input** - powers up the unit by using an external USB power supply capable of providing 5V DC and at least 1A (performance may vary depending on micro-USB cable used: cable size 22AWG or greater is recommended).
4. **Host port** - mini-DIN connector - connect the iRig Pro Quattro I/O to your host with the supplied cable.
5. **Battery level meter** - this meter displays the remaining level of the internal AA batteries. When batteries are not in use, only the HIGH LED is on.
6. **48V phantom power** LEDs - these LEDs illuminate when phantom power is active for inputs 1-2 and 3-4.
7. **Input meters** - each input has a dedicated 5-segments peak meter, with 1-second hold on CLIP, that indicates the level of the input signal. The red Clip LED will illuminate when your input signal reaches -0.1 dBFS. Use the gain controls to keep the signal below this level.
8. **Output meters** - these meters display the signal level received back from the host. These meters have the same range as the input meters (-50 dBFS to -0.1 dBFS).
9. **Built-in microphone** - iRig Pro Quattro I/O's built-in omnidirectional microphone capsule is located at the top of the front panel. When using the built-in microphone, orient the capsule towards the sound source being recorded.

10. **Built-in microphone's switch** - to activate the built-in microphone, slide this switch to the ON position: when active, the built-in microphone will replace input 1 and its gain can be controlled with the same potentiometer.
11. **Input gain control** - adjust the input gain for the signals at Inputs 1, 2, 3 and 4 respectively.
12. **Mode switch** - this three position switch allows you to decide how to route the four inputs: multichannel, stereo (with safety channels) or mono (with safety channels).
13. **Headphone level** - this knob controls the level for the 1/8" TRS headphone output.
14. **Host** LED - this LED illuminates when the unit is recognised by the host to which it is connected.
15. **MIDI IN/OUT** LEDs - these LEDs illuminate when MIDI data is received from/transmitted to the MIDI ports.
16. **Line out level** - this knob controls the level for the two balanced XLR outputs as well as the 1/8" TRS stereo output.
17. **Direct monitor** - iRig Pro Quattro I/O provides a direct monitoring path from the inputs to the outputs. When direct monitoring is enabled, the input signal is mixed with the output signal from your audio software and routed directly to both the line and headphone outputs.
18. **Loopback** - the audio that is input to the iRig Pro Quattro I/O from your host is returned back to the host thru inputs 1 and 2. It is possible to control the level of the loopback stream with the host's volume control.
19. **Limiter** - the limiter reduces the level when input signals exceed a set level. Set the Limiter switch on, this will affect inputs 1 and 2 only (either microphone and instrument).
20. **RCA line inputs** 3 and 4 - use these RCA inputs with unbalanced line-level devices. These inputs are direct-to-ADC. As such, no gain control is available.
21. **1/8" TRS line inputs** 3 and 4 - use this stereo 1/8" TRS jack input with unbalanced line-level devices. This input is direct-to-ADC. As such, no gain control is available. Please note that this input will **not** provide plug-in power for external 1/8" TRS microphones.
22. **48V phantom power** switches - these switches enable 48V phantom power on XLR microphone inputs 1-2 and 3-4 respectively. Front panel LEDs illuminate when phantom power is selected. Phantom has a ramp up time of around 5 secs.
23. **Microphone/Line inputs** 3 and 4 - XLR Combo type input sockets - connect microphones or balanced line level signals. The gain control on the top panel provides gain for both input types.
24. **Microphone/Instrument inputs** 1 and 2 - XLR Combo type input sockets - connect microphones or Hi-Z instruments signals. The gain control on the top panel provides gain for both input types.
25. **MIDI IN/OUT** - 2.5mm jacks for connection of external MIDI equipment.
26. **Headphone output** - connect one pair of headphones to this 1⁄8" (3.5 mm) TRS jack socket.
27. **Stereo line output** - this 1⁄8" (3.5 mm) TRS jack allows you to send the audio signal to a video camera or other device while monitoring with headphones.
28. **Balanced line outputs** - outputs 1/L and 2/R are balanced analog line outputs on 3-pin male XLR sockets; outputs 1/L and 2/R will normally be used to drive the primary monitoring system.
29. Battery compartment - battery compartment for 4 x AA batteries.
30. Standard **UNC 1/4"-20 thread** adapter - use this thread adapter to attach the iRig Pro Quattro I/O to any 1/4" UNC support.

Battery and external supply

iRig Pro Quattro I/O can be USB bus powered, powered by internal AA batteries (included), external PSU (included with Deluxe version) or power bank (not included).

iOS (with Lightning) devices: when connected to an iOS device either external PSU, power bank or batteries are needed. The external PSU (not included) will charge the (Lightning) iOS device's battery. When both batteries and PSU are connected, all the power will be supplied by the PSU.

USB devices: typically, when connected to a USB host (MAC, Windows or Android), all the power required is provided by the host. If the connected host is not capable of providing the required power either batteries or external supply may be needed.

IMPORTANT NOTE: if the power switch is set to the battery logo and batteries are present, the iRig Pro Quattro I/O will be powered by the installed batteries even when connected to a USB host that can provide enough power.

The battery LED's strip on the top left of the unit will show you the actual level of the installed batteries. When only the top (HIGH) LED is on, it means that the internal batteries are not currently in use and the unit is powered by host, external USB or PSU.

Use only the specified AC adaptor you can buy at: www.ikmultimedia.com/irigpsu9175

Use only the specified AC adaptor (iRig PSU 9175) and make sure the line voltage at the installation matches the input voltage specified on the AC adaptor's body.

IK Multimedia will not be responsible of any damage caused by usage of any AC adaptor other than the specified one (iRig PSU 9175).

The usage of AC adaptors other than the specified one (iRig PSU 9175) could compromise the user experience in terms of:

- Safety risk
- Apple device charging performance
- Noise performance

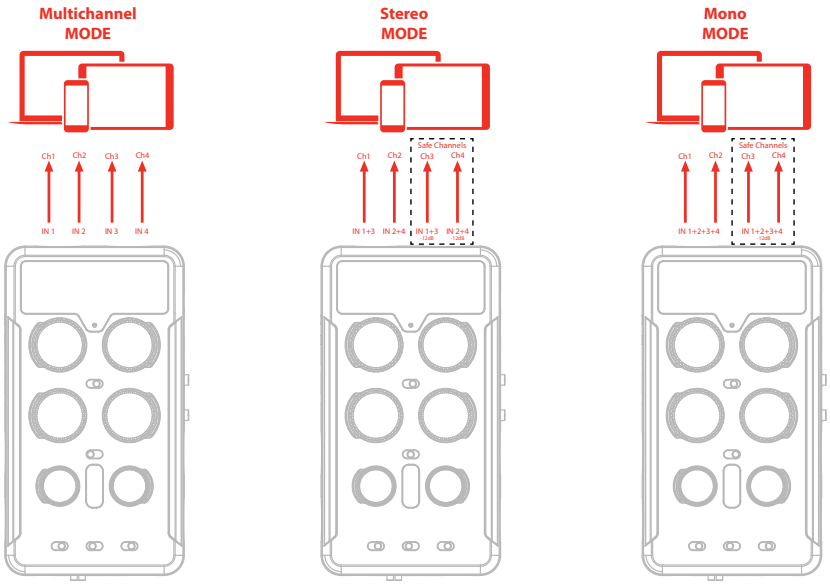
An external USB power supply or power bank, capable of providing 5V DC and 1A (min), can be used to power up the iRig Pro Quattro I/O. Performance may vary depending on micro-USB cable used: for optimal performance a cable size 22AWG or greater is recommended.

IMPORTANT NOTE: when either PSU or power bank is used, this will have priority over any other power source (host or batteries) independently from the power switch's position.

1 Installation and setup

1. Connect the included Lightning or USB cable to the iRig Pro Quattro I/O Mini-DIN port.
2. Connect the cable to your device. Make sure phantom power is turned off by setting the phantom power switches to the OFF position. Check that the phantom power LEDs are OFF.
3. Turn on the unit by sliding the power switch to the battery position (when using an iOS device) or USB position (when using a Mac or PC).
4. Download the IK apps and software.
5. You can connect up to four microphones using the XLR inputs on the iRig Pro Quattro I/O.
6. Inputs 1 and 2 can alternatively be used to connect Hi-Z instruments like guitar and bass, using a regular 1/4” TS guitar cable.
7. Inputs 3 and 4 can alternatively be used to connect balanced line-level signal, using a regular 1/4” TRS cable, or to connect unbalanced line-level signal using, alternatively, the RCA jacks or the stereo 1/8” TRS jack.
8. Set the gain of each inputs with the four gain potentiometers. The LED meter will help you set the correct gain level. Please note that the level of the RCA and 1/8” TRS inputs will not be controlled by gain potentiometers 3 and 4: its level can be controlled directly by the connected host volume’s control.

9. The four inputs can be mixed down in 3 different modes: multichannel, stereo or mono. When multichannel mode is selected, all four inputs are recorded as separate tracks in your DAW. When stereo mode is selected, inputs 1 and 3 are mixed into a single track (DAW input 1), as well as inputs 2 and 4 (DAW input 2). When in this mode, DAW inputs 3 and 4 are used as safety channels: this means that you'll be able to record the same signal present on DAW input 1 and 2 but reduced by 12dB as a backup in case your sound source gets loud unexpectedly and causes the main channel to distort. When mono mode is selected all the inputs are summed together to form a mono stream: also in this case DAW inputs 3 and 4 act as safety channels.



10. iRig Pro Quattro I/O is equipped with a built-in omnidirectional microphone located at the top of the front panel. When using the built-in microphone, orient the capsule towards the sound source being recorded. To activate the built-in microphone, slide the switch to the ON position: when active, the built-in microphone will replace input 1 and its gain can be controlled with the same potentiometer.

11. To play MIDI compatible apps from an external controller, connect your controller's MIDI OUT port to iRig Pro Quattro I/O's MIDI IN port. Always check the specific MIDI input settings in your app to make sure that the app is ready to receive incoming MIDI data.

12. To control an external MIDI device from an app, connect the MIDI OUT port of the iRig Pro Quattro I/O to the MIDI IN port of the external device. Always check for specific MIDI output settings in your app to make sure they are set to transmit MIDI data.

13. Connect your headphones to the Headphone Output jack on iRig Pro Quattro I/O and set its level via the dedicated volume knob.

14. Connect your mixer or powered speakers to the line output XLR on iRig Pro Quattro I/O and set its level via the dedicated volume knob. These outputs are high quality balanced outputs, so you don't need to use any DI box when connecting to a PA or Mixer onstage.

15. In addition to the standard headphones and XLR outputs, an 1/8” stereo line output jack is present. This allows you to send the audio signal to a video camera or other device while monitoring with headphones. You can lower the output level of this stereo line out jack with dedicated knob. Use this when the output signal of the line out jack is input to the external mic input jack of a DSLR camera or another connector with high input gain.

1.1 Mac/PC

On Windows based DAWs, IK Multimedia’s proprietary driver needs to be installed for latency control. Please visit https://www.ikmultimedia.com/userarea/ to download the driver.

1. Connect the included USB cable to iRig Pro Quattro I/O’s Mini-DIN connector.
2. Connect the USB cable to a free USB port on your Mac/PC.
3. Turn on the unit by sliding the power switch to the USB position.
4. Launch AmpliTube or any other Core Audio-compatible application and select “iRig Pro Quattro IO” as the input/output device from your system’s audio preferences.
5. All the features described in the “Installation and setup” paragraph remain valid.

1.2 Standalone operations

It is also possible to use the iRig Pro Quattro I/O without any digital host connected: in this case it acts as a standalone mixer/mic preamp device. Just power it up thru battery, external USB or PSU and use the full set of inputs/outputs. This is the perfect setup for recording high-quality audio on any DSLR or camcorder.

Recording tip: You can reduce the output level of the line output jack with dedicated knob. Use this when the output signal of the line out jack is input to the external mic input jack of a DSLR camera or another connector with high input gain.

When in this operation state, the mode switch acts only to the analog outputs: in Multi and Stereo modes, inputs 1 and 3 are mixed into a single channel (output 1/L), as well as inputs 2 and 4 (output 2/R). When in stand-alone mode, the safety channels are not available.

2 Setup your DAW

The iRig Pro Quattro I/O is compatible with any Windows-based DAW that supports ASIO or any Mac-based DAW that uses Core Audio.

It is possible that your DAW may not automatically select the iRig Pro Quattro I/O as its default I/O device. In this case, you must manually select the iRig Pro Quattro I/O as the audio hardware on your DAW’s Audio Setup page. Please refer to your DAW’s documentation (or Help files) if you are unsure where to select the ASIO/Core Audio driver.

Once the iRig Pro Quattro I/O is set as the preferred Audio Device in your DAW, all 4 inputs and 2 outputs will appear in your DAW’s Audio I/O preferences.

3 Direct monitoring

When recording an audio signal into your audio software, there is often a slight delay before it reaches the outputs of the software and iRig Pro Quattro I/O. This delay, called latency, is caused by the computer processing required to convert and record audio. Since this delay can be distracting, iRig Pro Quattro I/O provides a direct monitoring path from the inputs to the outputs, which is activated by the “direct” switch. When direct monitoring is enabled, the input signal is mixed with the output signal from your audio software and routed directly to both the Line and Headphone outputs. This lets you hear the “live” inputs without latency. The direct monitor switch has no effect on what is being recorded by your software. When using the direct monitoring feature, make sure any software monitoring option for direct (or “low latency”) monitoring is disabled. Disabling low latency monitoring prevents “double-monitoring” of input audio signals when using the direct monitoring feature. When “double-monitoring” occurs, there will be an increase in volume and an undesirable “phasing” sound. For more details about its monitoring function, refer to the documentation for your audio software.

4 Loopback

With the Loopback function turned on, the audio that is input to the iRig Pro Quattro I/O from your host via USB is returned back to the host thru inputs 1 and 2. It is possible to control the level of the loopback stream with the host volume’s control.

Please note that the loopback channels won’t be fed to the safe channels when the interface operates in stereo or mono mode.

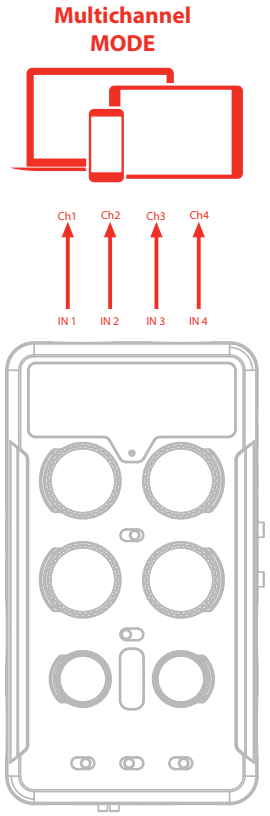
5 Limiter for inputs 1 and 2

The limiter reduces the level when input signals exceed a set level. Set the Limiter switch on, this will affect inputs 1 and 2 only (either microphone and instrument).

6 Mode switches

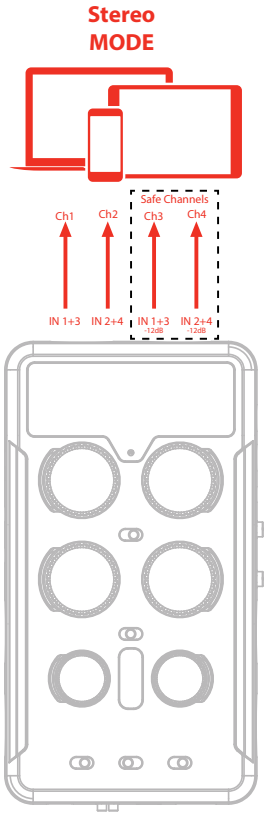
6.1 Multichannel mode

When multichannel mode is selected, all four inputs are recorded as separate tracks in your DAW.



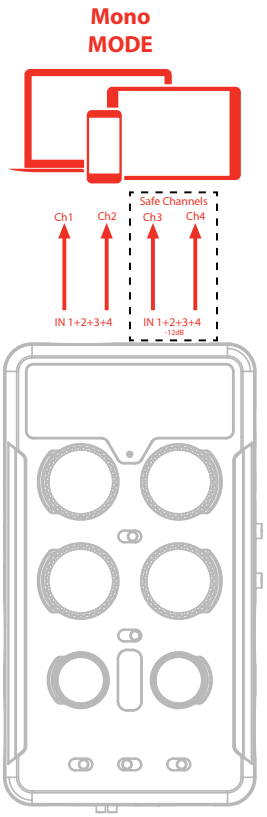
6.2 Stereo mode

When stereo mode is selected, inputs 1 and 3 are mixed into a single track (DAW input 1), as well as inputs 2 and 4 (DAW input 2). When in this mode, DAW inputs 3 and 4 are used as safety channels: this means that you'll be able to record the same signal present on DAW input 1 and 2 but reduced by 12dB as a backup in case your sound source gets loud unexpectedly and causes the main channel to distort.



6.3 Mono mode

When mono mode is selected all the inputs are summed together to form a mono stream: also in this case DAW inputs 3 and 4 act as safety channels.



7 Connecting microphones

Always connect microphones to iRig Pro Quattro I/O with XLR-to-XLR balanced cables. This will ensure a clear and noise-free performance from your microphone with iRig Pro Quattro I/O.

NOTE: In your audio software, select the appropriate iRig Pro Quattro I/O input (1 to 4) as the source of the track you will be recording to. Adjust the channel gain knob until you have a sufficient audio signal without clipping.

7.1 Dynamic microphones

Before connecting dynamic microphones make sure phantom power is turned OFF. Check that the Phantom Power switch is in the OFF position and that the Phantom LED is turned off.

7.2 Condenser microphones

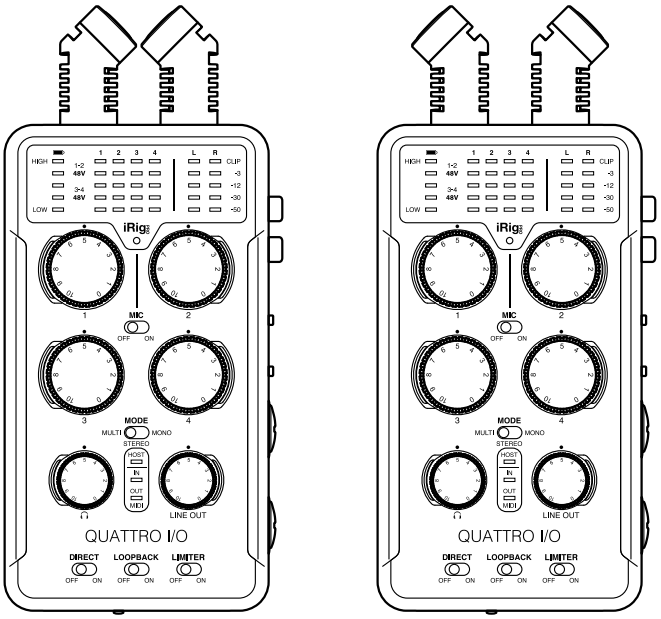
Most condenser microphones require external phantom power. If phantom power is ON, switch it OFF, and then connect your microphone. Turn phantom power ON only after the microphone is connected. Once it's turned ON, check that the phantom power LED has become red. If the LED doesn't turn on, check that working batteries are inserted in the iRig Pro Quattro I/O's battery compartment on the bottom side, and that an application that is using iRig Pro Quattro I/O is open.

7.3 iRig Mic XY

iRig Mic XY is pair of quality condenser microphones with cardioid polar pattern, extended frequency response and wide dynamic range that can be used in multiple situations, from the studio to field recording.

Connect them into the XLR ports on the top of iRig Pro Quattro I/O and activate the 48V phantom power and you're ready to record in any situation.

The iRig Mic XY can be used both in XY mode to capture concerts, rehearsal or ambient sound, or in divergent mode to turn them into a perfect tool for taking interviews.



7.4 Ribbon microphones

Before connecting a ribbon microphone, turn OFF phantom power and check the microphone's operating instruction manual to see if it requires it. Most ribbon microphones don't require phantom power, and some can even be damaged by it. If you're in doubt just leave it OFF. If the microphone won't work, check its user manual, it may need phantom power.

8 Connecting instruments

Connect your guitars, basses or any other mono instruments to the instrument inputs 1 and 2 on iRig Pro Quattro I/O using an 1⁄4” plug unbalanced (TS or “mono”) guitar cord.

NOTE: In your audio software, select the appropriate iRig Pro Quattro I/O input (1 or 2) as the source of the track you will be recording to. Adjust the channel gain knob until you have sufficient audio signal without clipping.

9 Connecting line level signals

It is possible to connect balanced (1/4” TRS) or unbalanced (RCA or 1/8” TRS) line level signals to the inputs 3 and 4 of the iRig Pro Quattro I/O.

Gain knobs 3 and 4 control only the inputs connected to the 1/4” TRS jacks.

We recommend to not connect all inputs (1/4”, RCA and 1/8”) simultaneously in order to minimise the noise floor of the channels. Indeed, we recommend to use only one of the inputs at a time.

10 Connecting loudspeakers, headphones and other external devices

- Connect a pair of active studio monitors or an audio amplifier to the male 3-pin XLR connectors labeled Line Out 1/L and 2/R. It is also possible to use the 1/8” TRS jack labeled Stereo that allows you to send the audio signal to a video camera or other device while monitoring with headphones.
- Connect headphones to the 1/8” output jack and adjust its level via the headphone knob.
- Output levels can also be controlled with the host volume’s control.

11 MIDI IN/OUT

11.1 MIDI IN

- Connect the 2.5mm-to-MIDI cable to the iRig Pro Quattro I/O MIDI IN port and to the MIDI OUT port on your keyboard or controller.
- Open a Core MIDI compatible application on your iOS device or on your computer and set “iRig Pro Quattro I/O” as the MIDI input device.
- When iRig Pro Quattro I/O is receiving MIDI messages the MIDI IN LED will blink.

11.2 MIDI OUT

- Connect the 2.5mm-to-MIDI cable to the iRig Pro Quattro I/O MIDI OUT port and to the MIDI IN port on, for example, your sound module.
- Open a Core MIDI compatible application on your iOS device or on your computer.
- When iRig Pro Quattro I/O is sending MIDI messages the MIDI OUT LED will blink.

12 Battery level meter

The 5 LED meters display the remaining power level of the internal AA batteries. When batteries are not in use, only the HIGH LED is on.

When all five LEDs are turned on, it means the internal batteries are at the higher level; when the lower LED (LOW) starts blinking it means that the battery level is below the 20%. Depending on operating conditions and battery used, this means that you can use your iRig Pro Quattro I/O for about 15 minutes before the unit turns off (less if using NiMH batteries).

13 Troubleshooting

Sound is distorted.

You're probably overloading the input. Check that the input gain on iRig Pro Quattro I/O is set properly. If the Audio Level LED is red when you play your instrument or sing or talk into a mic, decrease the input gain as described in this guide.

I don't get any sound.

In order for iRig Pro Quattro I/O to turn on, a Core Audio-compatible audio app must first be launched on your iOS device or Mac.

iOS: be sure you are using an app that works with audio input from the Lightning dock connector.

Mac: be sure you have set "iRig Pro Quattro IO" as the audio or MIDI input device on the audio app you are using.

I can't get any sound from my condenser microphone.

Your microphone may need phantom power. Turn phantom power on by moving the iRig Pro Quattro I/O switch to the ON position and check that the Phantom LED has turned on.

Output level is low.

iRig Pro Quattro I/O's outputs level can be controlled both with on-board volume knobs (headphones and line out) and connected host volume's control.

When I connect iRig Pro Quattro I/O to my computer or Android device I get a message that says that this device needs more power and the USB port will be disabled. How can I use my iRig Pro Quattro I/O on my host device?

This means your USB host device is not capable of providing the necessary current. Please install four AA batteries, or use an external power supply (DC IN or micro-USB) in iRig Pro Quattro I/O in order to use it with this USB host.

I have connected iRig Pro Quattro I/O to my iPhone or iPad but it doesn't turn ON.

iRig Pro Quattro I/O only works with AA batteries, DC IN or micro-USB power supply when connected to iOS devices.

I use iRig Pro Quattro I/O onstage and get buzzes and noises when connected to a PA system or main mixer.

Always connect iRig Pro Quattro I/O outputs with balanced XLR cables to balanced line inputs. This way your signal will always be perfectly clear.

14 Specifications

Common

AD and DA Resolution: 24-bit

Sampling Rate: 44.1 kHz, 48 kHz, 88.2 kHz and 96 kHz

Power: USB bus power, battery power (4 x AA), DC power supply (9VDC) or external USB power supply (5VDC, 1A min)

Device Connection: Mini-DIN

Size: 166 mm / 6.54″ x 92 mm / 3.62″ x 43 mm / 1.69″

Weight: 325 g / 0.72 lb (batteries excluded)

Battery Life:

- Recording - Max load*: 1 hours, 30 minutes (Alkaline); 3 hours (NiMH rechargeable)
- Playback - Min load**: 2 hours, 30 minutes (Alkaline); 4 hours (NiMH rechargeable)

*Max load condition: four inputs connected each to a 1.6mA phantom powered load, input gains set to maximum, 32 Ohm headphones connected.

**Min load condition is as follows: music playing, phantom power OFF, 32 Ohm headphones connected.

Microphone Inputs 1-2

2 x balanced, XLR. Pin 2: hot / Pin 3: cold / Pin 1: ground

Input impedance: 1 kOhms

Input level, min gain: 0 dBFS is obtained with a -1.5 dBu signal at the XLR input

Input level, max gain: 0 dBFS is obtained with a -55 dBu signal at the XLR input

Frequency response: from 10 Hz to 46 kHz within 3 dB (96 kHz sample rate), min gain

Dynamic Range: 103 dB(A), min gain

Phantom power: 48V / -4V

Built-in microphone

Type: MEMS

Polar pattern: omnidirectional

Frequency response: from 30 Hz to 20 kHz

Max SPL: 110 dBSPL

Sensitivity: -41.5 dB (1 kHz, 94dB SPL)

Instrument Inputs 1-2

2 x unbalanced, Hi-Z, TS 1/4” Jack, Tip: signal / Shield: ground

Input impedance: 1 MOhms

Input level, min gain: 0 dBFS is obtained with a +10 dBu signal at the TS input

Input level, max gain: 0 dBFS is obtained with a -43 dBu signal at the TS input

Frequency response: from 7 Hz to 46 kHz within 3 dB (96 kHz sample rate), min gain
Dynamic range: 103 dB(A), min gain

Microphone Inputs 3-4
2 x balanced, XLR. Pin 2: hot / Pin 3: cold / Pin 1: ground
Input impedance: 1 kOhms
Input level, min gain: 0 dBFS is obtained with a -3 dBu signal at the XLR input
Input level, max gain: 0 dBFS is obtained with a -54 dBu signal at the XLR input
Frequency response: from 10 Hz to 46 kHz within 3 dB (96 kHz sample rate), min gain
Dynamic range: 101 dB(A), min gain
Phantom power: 48V / -4V

Line Inputs 3-4 (balanced)
2 x balanced, TRS 1/4” Jack, Tip: hot / Ring: cold / Shield: ground
Input impedance: 9.2 kOhms
Input level, min gain: 0 dBFS is obtained with a +17 dBu signal at the TRS input
Input level, max gain: 0 dBFS is obtained with a -35 dBu signal at the TRS input
Frequency response: from 7 Hz to 46 kHz within 3 dB (96 kHz sample rate), min gain
Dynamic range: 100 dB(A), min gain

Line Inputs 3-4 (unbalanced)
Unbalanced, TRS 1/8” stereo Jack and RCA
Input impedance: 2.1 kOhms
Nominal input level: -3.5 dBV (-10 dBV with 6.5 dB of headroom)
Frequency response: from 16 Hz to 46 kHz within 3 dB (96 kHz sample rate)
Dynamic range: 93 dB(A)

Line Outputs (balanced)
2 x balanced, 3-pin XLR, Pin 2: hot / Pin 3: cold / Pin 1: ground
Floating balanced outputs with automatic level compensation when working in unbalanced mode
Output impedance: 150 Ohms balanced
Output level: 0 dBFS corresponds to +12 dBu
Frequency response: from 5 Hz to 44 kHz within 3 dB (96 kHz sample rate)
Dynamic range: 100 dB(A)
Channels crosstalk: 88 dB(A)

Stereo Output (unbalanced)

Unbalanced, TRS 1/8” stereo Jack

Output impedance: 150 Ohms balanced

Output level: 0 dBFS corresponds to +12 dBu

Frequency response: from 5 Hz to 44 kHz within 3 dB (96 kHz sample rate)

Dynamic range: 100 dB(A)

Channels crosstalk: 88 dB(A)

Headphones Output

TRS 1/8” stereo Jack

Output impedance: 22 Ohm

Output level: 26 mW/channel (32 Ohm load)

Frequency response: from 15 Hz to 44 kHz within 3 dB (96 kHz sample rate)

Dynamic range: 100 dB(A)

Warranty

Please visit:
www.ikmultimedia.com/warranty
for the complete warranty policy.

Support and more info

www.ikmultimedia.com/support

Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards.

FCC statement

This device complies with Part 15.107 and 15.109 Class B of the FCC Rules CFR47: October 2010.
Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

2022/04/28