iRig USB

USB guitar interface

USER MANUAL

IK MULTIMEDIA

Table of Contents

iRig USB

Thank you for purchasing iRig USB.

Your package contains:

- iRig USB
- USB cable

iRig USB is the new entry of the iRig guitar interface family. This new iRig interface is packed in an all-new enclosure and sports some new important features.

We still find all the I/Os that are made of the iRig interfaces the first choice for on-the-go guitarists: one 1/4 inches instrument input with dedicated gain control, a 1/4 inches Amp output with dual mode operation, and a 1/8 inches headphone output.

The Amp out can work in two modes: you can set the AMP out jack to carry the signal (processed), coming out from your device, back out to an instrument amplifier. Or, you can set the AMP out jack to carry the same signal that is put into the Instrument input. This mode is typically used to send the instrument signal that is plugged into the Instrument jack back out to an instrument amplifier or other unbalanced input.

Register your iRig USB

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**

1. iRig USB overview

1. **Status LED** - This LED turn on blue when the iRig USB is connected to an host and turns red when the input signal is clipping.
2. **Gain knob** - This knob controls the level of the input signal.
3. **Instrument input** - 1/4” (6.35mm) jack type - Connect your instrument here (e.g., guitar).
4. **Amplifier output** - 1/4” (6.35mm) jack type - You can connect an external amplifier to iRig USB thanks to the “Amplifier output jack”. This allows you to send the processed signal (i.e. from a rig inside your mobile device) or a direct unprocessed signal, out to your amplifier or other unbalanced input.
5. **FX/THRU switch** - This switch allows you to select the type of output that is sent thru the “Amplifier output jack.”
6. **Headphone output** - 1/8” (3.5mm) jack type - connect here your headphones.
7. **Host connection** - USB Type C - allows you to connect iRig USB to your host device.

2. Installation and setup

2.1 Setup

1. Connect the included USB-C cable to the iRig USB.
2. Connect the cable to the host device.
3. Connect your guitar, bass or other mono instrument to the 1/4” input jack on iRig USB.
4. Launch your preferred audio App and set iRig USB as your default audio device. To do so, please refer to the documentations of the App or Software you’re using.
5. Connect your headphones, mixer or powered speakers to the iRig USB headphone jack. You can control this level with the host’s volume control.
6. Connect an external amplifier to the 1/4” TS Amplifier output jack on iRig USB and select the type of signal sent to the output with the FX/THRU switch.

3. iRig USB status LED

The LED on iRig USB gives you important information about the iRig USB’s operative status.

• LED is **off**: iRig USB is not connected to any power source.

• LED is **blue**: iRig USB is connected and active.

• LED is **red**: iRig USB is active and the input signal is too high.

4. Setting the input gain

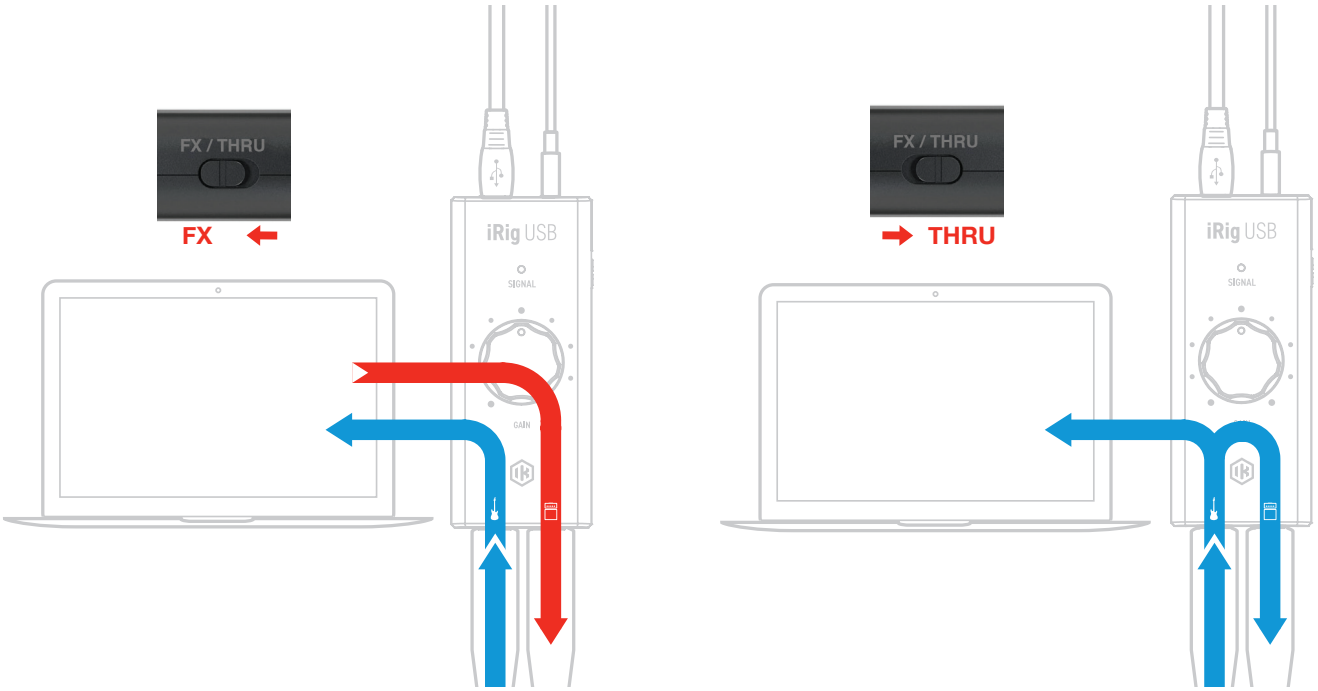
When playing your instrument check the iRig USB status LED. If the LED is sometimes flashing RED you should decrease the iRig USB input gain by rotating the GAIN knob CCW (counter-clock wise).

You can check the optimal input level within the audio software you’re using.

5. Amplifier output jack

You can connect an external amplifier to iRig USB thanks to the “Amplifier output jack”. This allows you to send the processed signal (i.e. from a rig inside your mobile device) or a direct unprocessed signal, out to your amplifier or other unbalanced input.

5.1 FX/THRU switch



The THRU-FX switch allows you to select the type of output that is sent thru the “Amplifier output jack.”

When this switch is set to THRU, the “Amplifier output jack” carries the same signal that is sent to the instrument input. This mode is typically used to send the dry instrument signal back out to an instrument amplifier or other unbalanced input. This lets you plug your favorite amplifier into the “Amplifier output jack” and, at the same time, connect iRig USB to your mobile device that runs. For example, a tuner app or your favorite recording app. The headphone out lets you listen to the processed output of your device.

When this switch is set to FX, the “Amplifier output jack” carries the processed signal from your mobile device to an instrument amplifier. This lets you process your instrument inside your favorite app and then send it to, for example, an amplifiers clean channel.

6. Headphone output jack

The 1/8” headphone output lets you conveniently monitor the signal coming from your device. This output works seamlessly in both switch positions (Thru-Fx). It is also possible to adjust its volume with the connected host volume control.

7. Troubleshooting

Sound is distorted.

Check that the input gain on iRig USB has been set properly. If the LED is red when you play your instrument, decrease the input gain as described in this guide**.**

No sound is playback thru the connected headphones nor to the Amp out when in FX mode.

Use the volume control on the connected host to set the volume of the headphone output and FX out.

8. Specifications

Common

AD and DA resolution: 24-bit

Sampling rate: 44.1 kHz and 48 kHz

Host connection: USB Type-C socket

Instrument Input

Input impedance: 500 kOhms

Maximum input level: +13.5 dBu

Frequency response: From 20 Hz to 20 kHz within 0.5 dB (48 kHz sample rate)

Dynamic range: 90 dB(A)

Amp output

Configuration: Unbalanced

Output impedance: 3.3 kOhms

Frequency response: From 10 Hz to 20 kHz within 1 dB (48 kHz sample rate)

Dynamic range: 97 dB(A)

Headphone Output

Output impedance: 22 Ohms

Maximum output level: approx 6mW into 50 Ohms load

Frequency response: From 10 Hz to 20kHz within 1 dB (48 kHz sample rate)

Dynamic range: 94 dB(A)

Warranty

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

Support and more info

www.ikmultimedia.com/support

https://www.ikmultimedia.com/products/irigusb

Regulatory

U.S.A.

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.

EUROPE

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All specifications are subject to change without further notice.

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