IK Multimedia. Musicians First.

iRig Mic Video

Digital shotgun microphone

USER MANUAL

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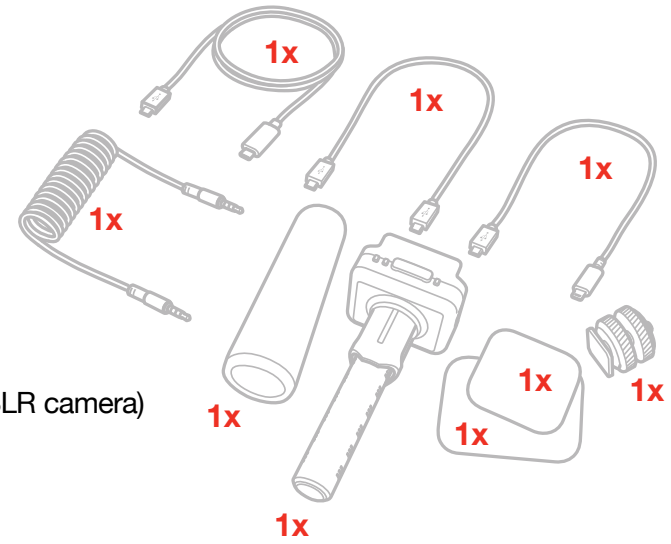
iRig Mic Video

Thank you for purchasing iRig Mic Video.

Your package contains:

- iRig Mic Video
- Lightning cable
- USB-C cable
- OTG cable
- TRS to TRS cable (DSLR camera cable)
- Wind Shield
- Metal plates
- 1/4” thread adapter to Hot Shoe (for mounting on DSLR camera)



Compact and lightweight by design, the iRig Mic Video delivers clear, crisp, directional audio with incredible ease of use. Its tight pickup area focuses directly in front of the microphone and reduces other surrounding sounds, ensuring that your subject is isolated from distracting background noise.

Thanks to its neodymium magnets it easily attaches to a wide range of smartphones and tablets as well as laptops. It sports a micro USB connector that can be used to connect to any device and an headphones out allows you to monitoring the recorded audio.

Also, it can be mounted on a DSLR camera using the female 1/4” thread insert and, thanks to the 1/8” output jack it is possible to record great audio directly on your camera. Plus, thanks to the CR1632 battery (not included), it can be also used with DSLR cameras that do not provide “plug-in power” and, furthermore, the iRig Mic Video contains a 10dB pre amplifier, boosting the mic signal allowing the user to reduce the camera’s mic-input level, reducing the amount of noise generated by the camera’s lower quality audio circuitry.

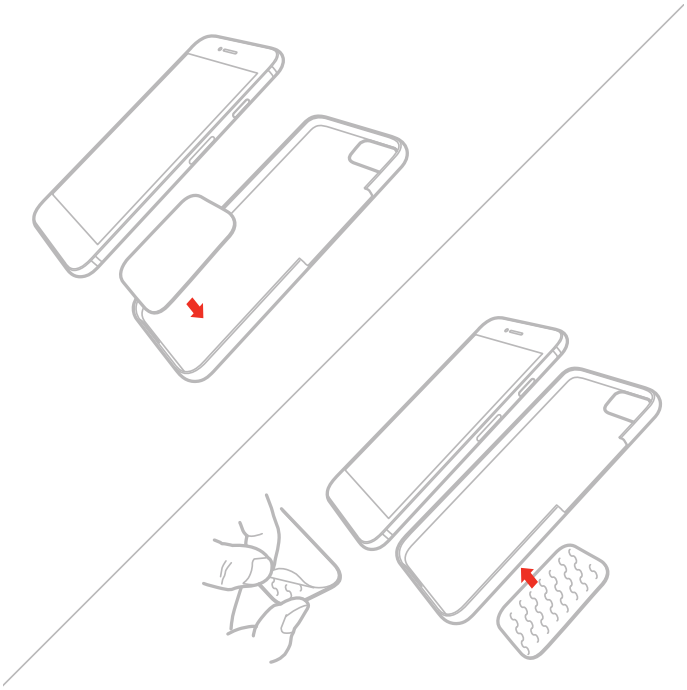
Register your iRig Mic Video

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.

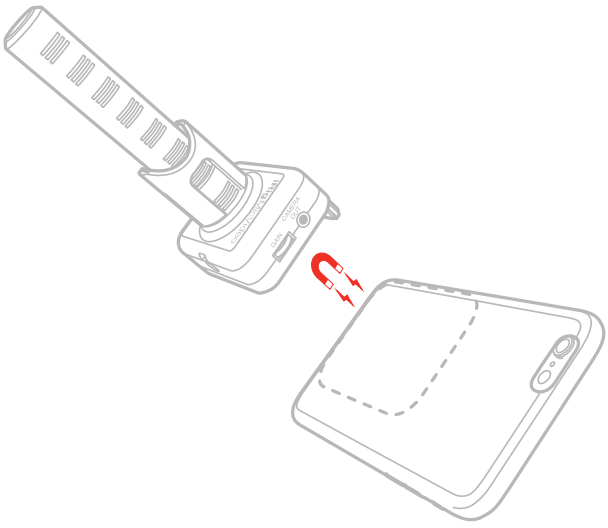
Register at: **www.ikmultimedia.com/registration**

Installation and setup

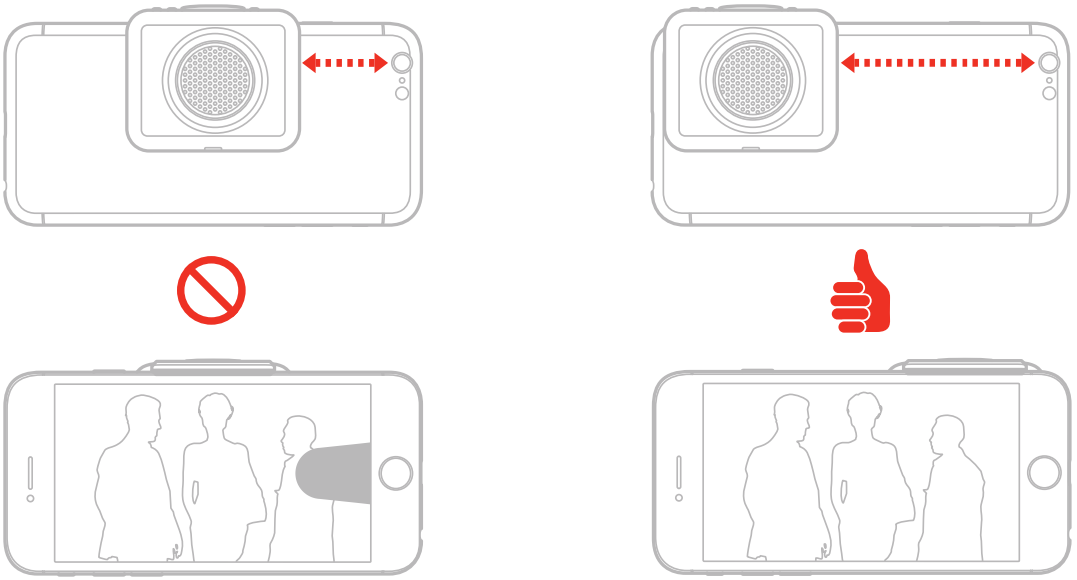
1. Fix the metal plate in the desired position on your device. You can stick the plate on the back of the device, or you can stick it on the back of the case, or you can insert it between the device and its case. Depending on the position and the device you're using, we provided two different plate sizes so you can use the one that best fits your needs.



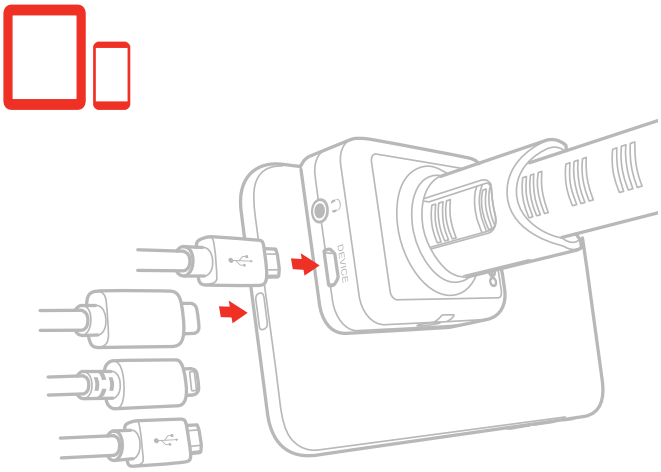
2. Attach the iRig Mic Video over the plate: thanks to the built-in magnets the microphone will remain fixed in place.



3. Make sure that you position the microphone outside the camera shooting area to avoid the acoustic tube becoming visible in the image frame.



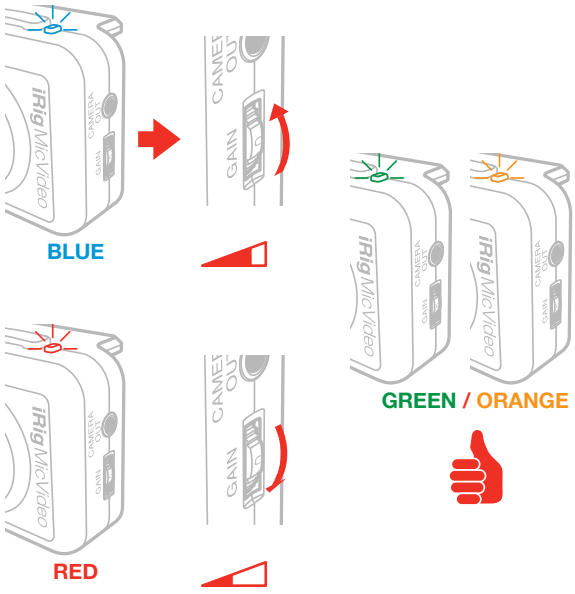
4. Connect the iRig Mic Video to the device with the included cables.



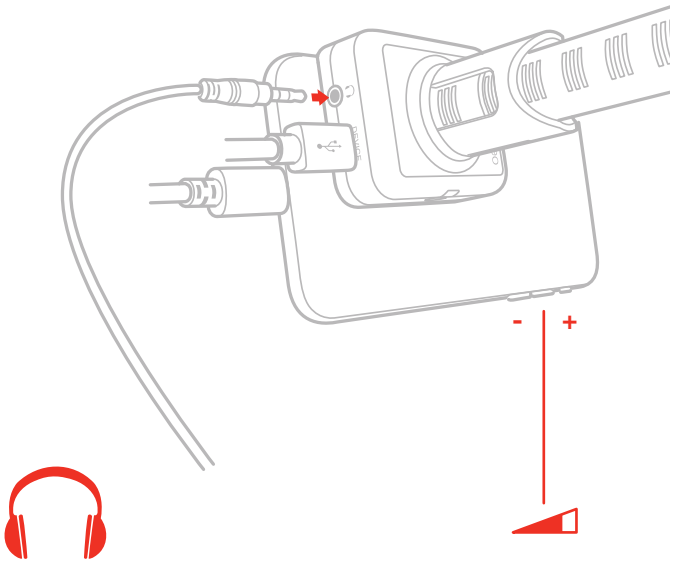
USB Type-C / Lightning / USB OTG

5. Download the included App and launch it.

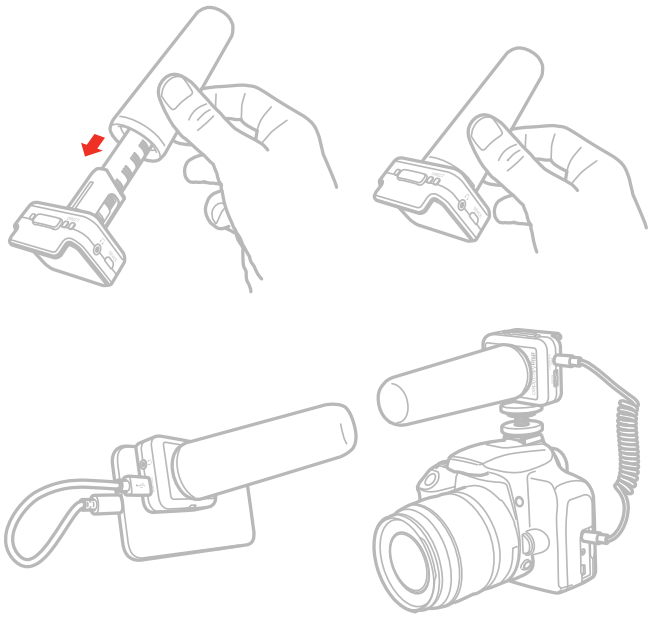
6. Set your device to Airplane Mode and Do Not Disturb before recording. This allows you to record with no audio interruptions from phone calls or app notifications.
7. Set the microphone gain with the gain thumbwheel.



8. Connect your headphones to the headphones out on iRig Mic Video. You can control its volume with the device's volume buttons. The Direct monitor button, allows you to activate the direct monitoring feature.



9. Use the included wind shield in order to minimize environmental noises.

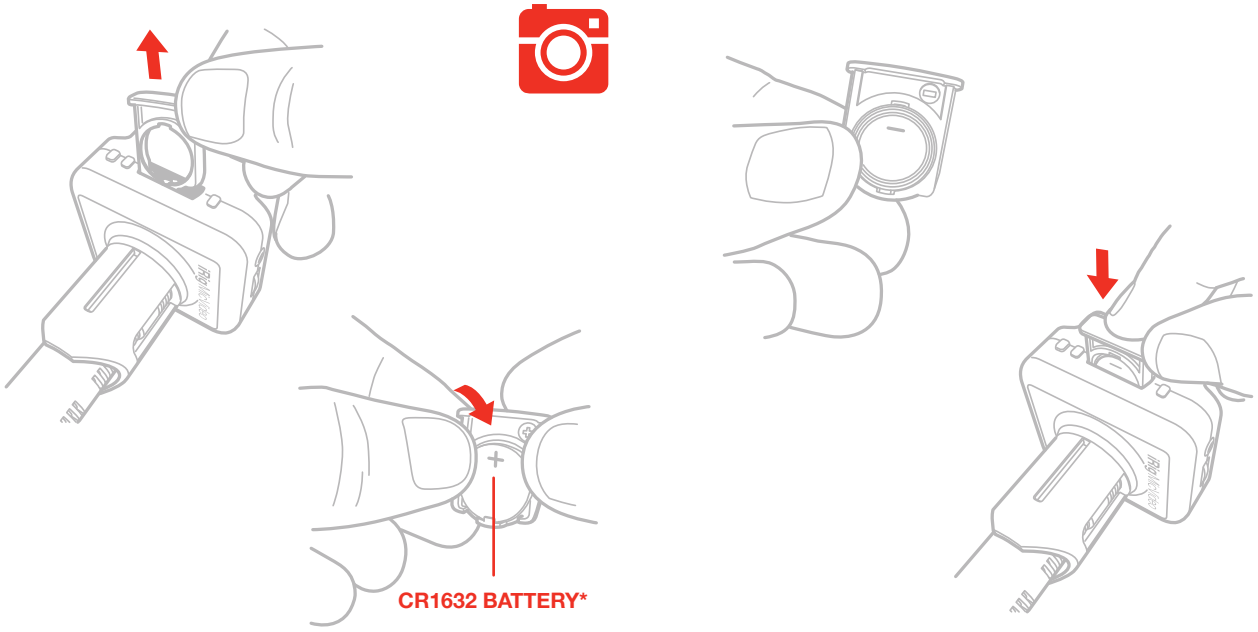


Recording tips

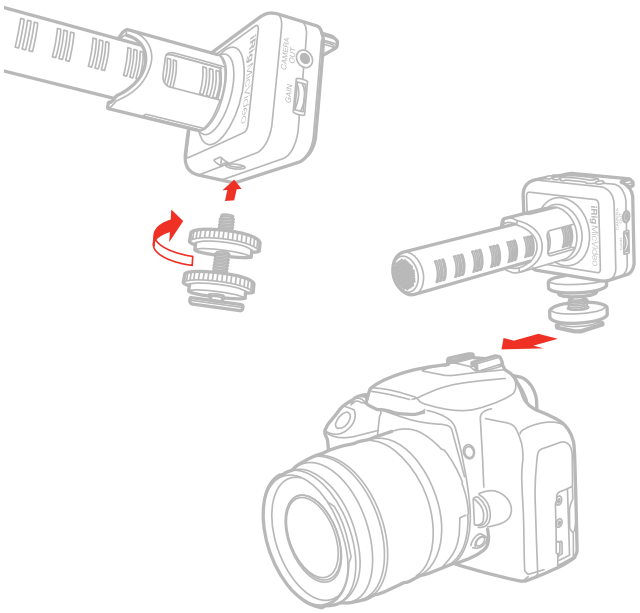
- To avoid recording interference from phone calls, messages and various notifications, turn your device to Airplane mode.
- Place the microphone as far as possible from the Wi-Fi and Bluetooth antenna: this will help minimize radio interference and won't affect device performance.
- Make sure to position the microphone outside the camera shooting area to avoid the acoustic tube becoming visible in the image frame.
- To detach the iRig Mic Video from the metal plate, we recommend to slide the microphone instead of pulling it perpendicularly, in order to use less force for detaching the magnet from the plate.
- Remember that the iRig Mic Video is a precision device that must be handled with care during use.
- The iRig Mic Video has a standard 1/4"-20 thread built into the bottom of the enclosure, so it is possible to mount it on any suitable tripod stand.
- The iRig Mic Video magnetic snapping system is designed to optimally work with the included metal plates or similar ones provided with phones and tablets covers. It is not advisable to snap the microphone on a solid metal structure like tables or shelfs as in those a very strong force will be developed and handling the unit will be difficult, with risk of damages.

DSLR camera setup

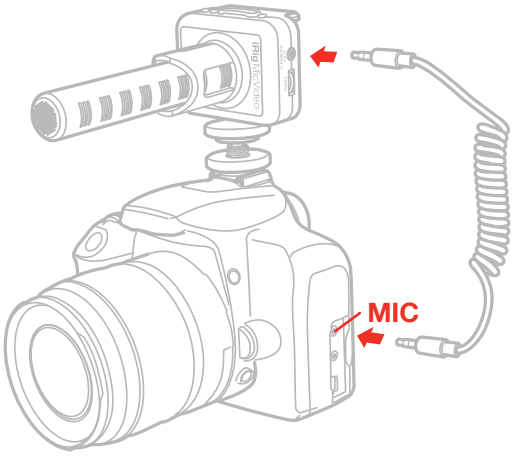
1. Insert the CR1632 battery (not included) into the battery compartment of iRig Mic Video. Make sure to place the battery with correct polarity.



2. Fix the hot-shoe adapter to the iRig Mic Video 1/4”-20 thread and then slide it into place on the camera mount. Once the microphone is in place, secure it by tightening the ring.



3. Connect one end of the 3.5mm TRS cable into the camera’s ‘Microphone In’ socket.
4. Connect the other end of the 3.5mm TRS cable into the output socket on the microphone.



5. When using the iRig Mic Video with a DSLR camera, the microphone gain can be set only from the camera settings. Please check your camera user’s manual in order to check if it allows you to control the external microphone gain.

6. When using the iRig Mic Video with a DSLR camera, you can connect a pair of headphone to the camera's headphones output (if present). Indeed, the iRig Mic Video built-in output can't be used.
7. You can check the battery status by pressing the direct monitor button: if the LED next to it turns on bright red, the battery is charged; if the LED turn on red at low intensity or does not turn on at all, then the battery must be replaced.

DSLR camera usage

iRig Mic Video can be mounted on a DSLR camera using the female 1/4" thread insert and, thanks to the 1/8" output jack it is possible to record great audio directly on your camera. Plus, thanks to the CR1632 battery (not included), it can be used also with DSLR cameras that do not provide "plug-in power" and, more, the iRig Mic Video contains a 10dB pre amplifier, boosting the mic signal allowing the user to reduce the camera's mic-input level, reducing the amount of noise generated by the camera's lower quality audio circuitry.

IMPORTANT: to avoid discharging the battery, disconnect the TRS cable from the iRig Mic Video while not in use. This will avoid the battery from discharge. We also recommend you remove the battery if storing your iRig Mic Video for extended periods without use.

DSLR camera tips

Low level noise sound while recording.

This can be caused by the "Automatic Gain Control" or "AGC" function on the camera. This function allows the camera to configure what it feels the best sound recording level is for a particular scene. For instance, if the signal coming in is too quite the AGC will try to boost the sound levels making the sound more audible: if it is increased too much (and depending on the quality of the camera microphone amplifier), the noise floor becomes audible.

The AGC can be disabled on some cameras (please check you camera user's manual). To help improve this issue, the iRig Mic Video contains a 10dB preamplifier, increasing the mic signal so that the camera wont engage its AGC.

We also suggest setting your audio levels manually to achieve an optimum signal to noise ratio and disabling the AGC of the camera.

What cameras can support the iRig Mic Video?

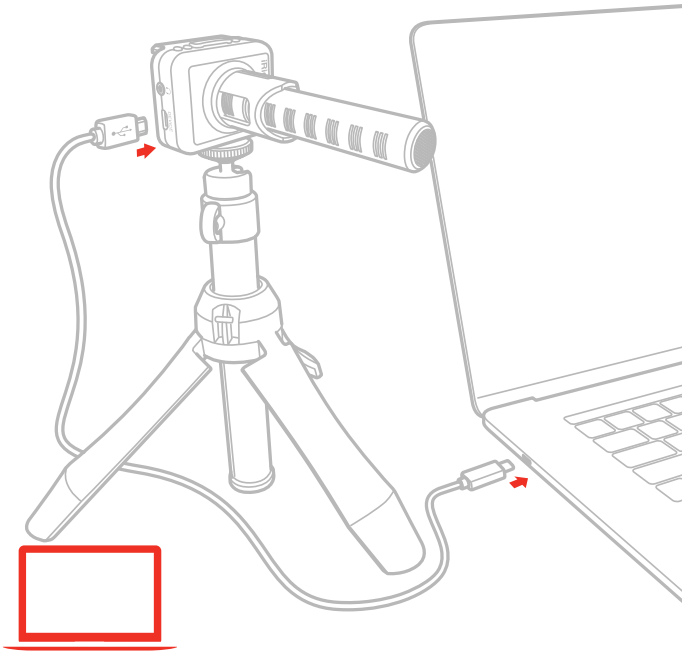
The iRig Mic Video is compatible with most digital DSLR cameras and camcorders that sport an 1/8" microphone input. The iRig Mic Video is powered by a 3V CR1632 battery: the battery will provide all the needed power even with cameras that do not provide "plug-in power". However, please check with your camera manufacturer if your camera supports external microphone.

Will my iRig Mic Video fit into the hot shoe mount of my camera?

The hot-shoe adapter included with the iRig Mic Video is a standard size adapter. This standard shoe is suitable for the majority of camera attachments. If your camera has a different, or custom adapter, please contact your camera manufacturer.

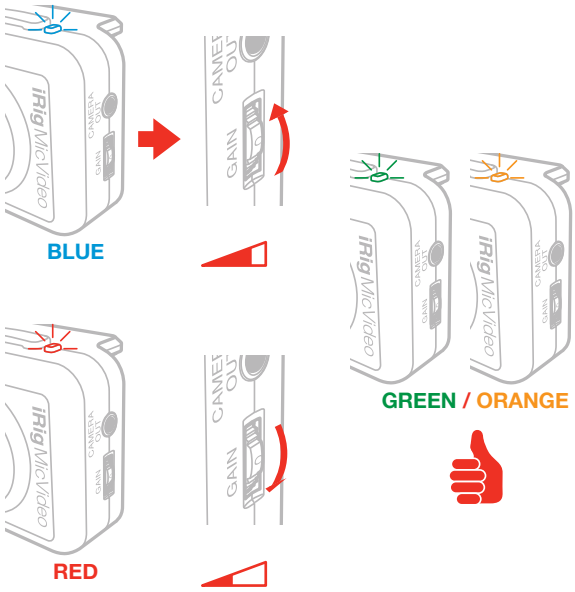
Using iRig Mic Video with a computer

It is possible to use iRig Mic Video with a computer equipped with an USB-A connector (cable not included) or with USB-C connector (cable included). Once the iRig Mic Video is connected to the host, launch your audio application and select iRig Mic Video as the input/output device from your system's audio preferences. The 1/4" thread underneath the microphone can be used to mount on a standard camera tripod.



Setting optimal gain on iRig Mic Video

When using the iRig Mic Video check status LED.



• If the LED is alternating between BLUE and GREEN or is always BLUE or GREEN, you should increase the iRig Mic Video input gain.

• If the LED is sometimes flashing RED you should decrease the iRig Mic Video input gain.

• When your level setting is optimal, the LED should alternate between GREEN and ORANGE.

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 Mic Video. This delay, called latency, is caused by the computer processing required to convert and record audio. Since this delay can be distracting, iRig Mic Video provides a direct monitoring path from the inputs to the outputs, which is activated by the Direct Monitor button. When Direct Monitoring is enabled, the input signal is mixed with the output signal from your audio software and routed directly to the Headphone output. This lets you hear the “live” inputs without latency. The Direct Monitor button has no effect on what is being recorded by your software. When using the Direct Monitor 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.

Troubleshooting

My recording is distorted.

Check that the input level on iRig Mic Video has been set properly. If the red LED is lighting when you talk or sing decrease the input level as described in this guide.

I can't hear anything from the headphone output.

Check that the app you're using allows for audio-through from input to output. If not, you can activate the direct monitor feature on iRig Mic Video.

Random noises appear during the recording.

This may be due to RF interferences: If the connected device sends or receives data wirelessly while recording, noise could occur in the recording. We suggest to turn on Airplane mode and connect to Wi-Fi for streaming. If the noise persists, we suggest to disable also the Wi-Fi.

The iRig Mic Video status LED is always dark blue and I don't get any sound.

In order for iRig Mic Video 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 digital audio input from the Lightning dock connector.

Mac: Be sure you have set "iRig Mic Video" as the audio input device on the audio app you are using.

Is the iRig Mic Video compatible with Android devices?

Yes, the iRig Mic Video is compatible with Android devices running Android 5 or later and with USB digital audio capabilities. Micro-USB-OTG to Micro-USB cable included.

Specifications

Microphone Type: condenser, electret

Capsule Size: 0.55"

Polar Pattern: Supercardioid

Interface Type: USB digital shotgun microphone with built-in preamp

Conversion: 24-bit A/D, 24-bit D/A

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

Frequency Response: 20Hz - 20kHz

Maximum Sound Pressure: 125 dB

Sensitivity: -40 dB, 10 mV/Pa

Gain: adjustable over a 50 dB range

Controls: gain thumbwheel and direct monitor button

Metering: Built-in multicolor LED for status and audio level indication

Connector Type: standard Micro-USB

Headphones output: 1/8" TRS jack

DSLR camera output: 1/8" TRS jack

Power: USB powered. Battery powered (3V CR1632, not included) for DSLR operations.

Battery duration: over 50 hours use

Warranty

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

Support and more info

www.ikmultimedia.com/support

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