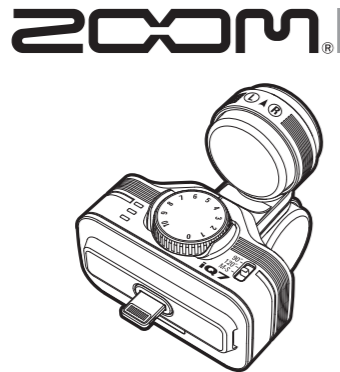# ZOOM

iQ7

Made for
iPod iPhone iPad

OPERATION MANUAL

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Thank you very much for purchasing the ZOOM **iQ7**.
The **iQ7** has the following features.

• High quality mic that connects with iPhones, iPods and iPads
This stereo microphone can be connected to an iPhone (5 or later), iPod touch (5th generation), iPad (4th generation), iPad Air or iPad mini and used with an application that supports mic input to record high-quality audio.
Note: In this manual, we refer to all of these devices as "the connected device" or "the iOS device."

• Stereo width control using mid-side mics
The mid-side (M-S) stereo mic design has a directional mid mic that covers the front and a bidirectional side mic that covers the sides. By adjusting the level of the side mic signal you can change the stereo width of the sound as you like.

• Two modes: audio and video
Use the audio position when pointing the connected device like a mic toward the sound you are recording. Use the video position when recording with the connected device's camera.

• High-performance app for use with the mic
Download the free application from the App Store and use it with the **iQ7** to, for example, set the recording format, edit audio files and apply various effects.

• Audio monitoring without latency (only when using the ZOOM *Handy Recorder* app)
Using latency-free direct monitoring, the audio input through the **iQ7** can be output directly from the stereo mini jack without passing through the connected iOS device.

• Hardware controls for adjusting recording
Use the **iQ7** dial and switches to adjust the recording gain and stereo width.

• Usable even with devices in cases
By removing the included case adjuster, you can connect this mic to a device even when it is in a case.

Specifications

Microphone	Type	Mid-side (M-S) stereo mic (90°/120°/M-S)
	Maximum input sound pressure	120dBspl
Input gain	+3 - +43dB	
Audio quality	44.1kHz/16bit, 48kHz/16bit	
Power	Powered by the connected device	
Connector	Lightning connector Stereo mini jack (combined headphone/line level output)	
Dimensions	54.5 (W) x 57.2 (D) x 26.5 (H) mm	
Weight	31.8g	
Compatible devices	iPhone 5, iPhone 5s, iPhone 5c, iPhone 6, iPhone 6 Plus, iPod touch (5th generation), iPad (4th generation), iPad Air, iPad Air 2, iPad mini, iPad mini 2, iPad mini 3	
Supported operating systems	iOS 6.0 or newer	

Usage and Safety Precautions

SAFETY PRECAUTIONS
In this manual, symbols are used to highlight warnings and cautions that you must read to prevent accidents. The meanings of these symbols are as follows:

⚠ Warning	Something that could cause serious injury or death.
⚠ Caution	Something that could cause injury or damage to the equipment.

Other symbols

❗	Required (mandatory) actions
⦸	Prohibited actions

⚠ Warning
Alterations
⦸ Never open the case or attempt to modify the product.

⚠ Precautions
Product handling
❗ Do not drop, bump or apply excessive force to the unit.
❗ Be careful not to allow foreign objects or liquids to enter the unit.
Operating environment
⦸ Do not use in extremely high or low temperatures.
⦸ Do not use near heaters, stoves and other heat sources.
⦸ Do not use in very high humidity or near splashing water.
⦸ Do not use in places with excessive vibrations.
⦸ Do not use in places with excessive dust or sand.
Precaution when using the connectors
❗ Before moving the device, always disconnect all the connectors.

Usage Precautions

Interference with other electrical equipment
In consideration of safety, the **iQ7** has been designed to minimize the emission of electromagnetic radiation from the device and to minimize external electromagnetic interference. However, equipment that is very susceptible to interference or that emits powerful electromagnetic waves could result in interference if placed nearby. If this occurs, place the **iQ7** and the other device farther apart.
With any type of electronic device that uses digital control, including the **iQ7**, electromagnetic interference could cause malfunction, corrupt or destroy data and result in other unexpected trouble. Always use caution.
Cleaning Use a soft cloth to clean the panels of the unit if they become dirty. If necessary, use a damp cloth that has been wrung out well. Never use abrasive cleansers, wax or solvents, including alcohol, benzene and paint thinner.
Malfunction If a malfunction or something unexpected occurs, disconnect the **iQ7** and connection cables as soon as possible. Contact the store where you bought the unit or ZOOM service with the following information: product model, serial number and specific symptoms of failure or malfunction, along with your name, address and telephone number.
Copyrights
• iPad, iPhone, iPod and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries. iPad Air, iPad mini, and Lightning are trademarks of Apple Inc.
• All other trademarks, product names and company names mentioned in this documentation are the property of their respective owners.
Note: All trademarks and registered trademarks mentioned in this manual are for identification purposes only and are not intended to infringe on the copyrights of their respective owners.
• Recording for any purpose other than personal use from copyrighted sources, including CDs, records, tapes, live performances, video works and broadcasts, without permission of the copyright holder is prohibited by law. Zoom Corporation will not assume any responsibility related to infringements of copyrights.

"Made for iPod," "Made for iPhone," and "Made for iPad" mean that an electronic accessory has been designed to connect specifically to iPod, iPhone, or iPad, respectively and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod, iPhone, or iPad may affect wireless performance.

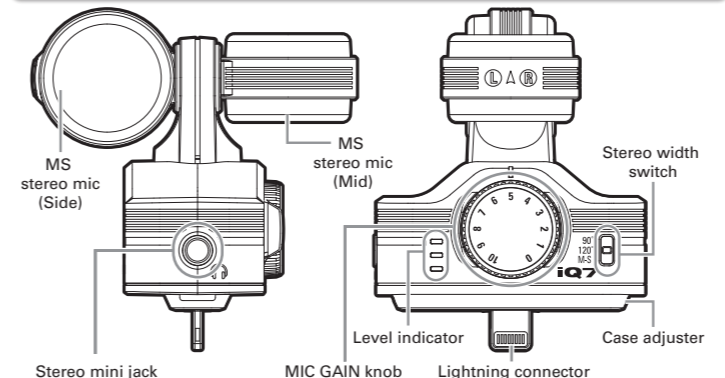**FCC regulation warning (for U.S.A.)**
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turn-ing the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
• Reorient or relocate the receiving antenna.
• Increase the separation between the equipment and the receiver.
• Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
• Consult the dealer or an experienced radio/TV technician for help.
Declaration of Conformity This product complies with the requirements of EMC Directive 2004/108/EC and Low Voltage Directive 2006/95/EC and ErP Directive 2009/125/EC and RoHS Directive 2011/65/EU

Part Names

MS stereo mic (Side)
MS stereo mic (Mid)
Stereo width switch
Level indicator
Case adjuster
Stereo mini jack
MIC GAIN knob
Lightning connector

M-S stereo mic: This is a mid-side stereo microphone. Turn to change its orientation. (See "Changing the mic orientation.")
Stereo mini jack: Connect headphones to monitor recording and playback. This can also be used as a line output jack.
Stereo width switch: Set the left-right spread of the stereo mic. (See "Adjusting the stereo width.")
MIC GAIN knob: Use to adjust the recording level manually. (See "Adjusting the recording level.")
Level indicator: The red LED lights dimly when connection with the device is normal. The LEDs also light according to the level of the input signal.
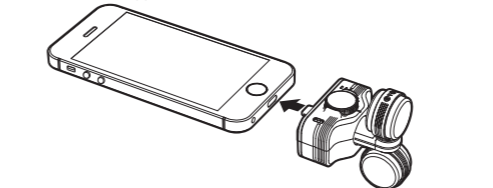

Higher than −42 dB
Higher than −12 dB
Higher than −0.25 dB
(Red)

Lightning connector: Connect to the Lightning connector of the iOS device.
Case adjuster: Remove this if the case of the device prevents the Lightning connector from connecting completely.

Connecting with the Device

1. Connect the **iQ7** to the device with the lighting connector.

When the connected device is providing power to the **iQ7**, the red LED lights dimly.
The **iQ7** becomes ready for use when *Handy Recorder* or another app that can use it is started.

• Remove the case adjuster if the case of the device prevents the Lightning connector from connecting completely.
• Some cases might prevent connection even when the case adjuster is removed.

NOTE
• The lightning connector does not have a front or back, but if you connect the **iQ7** to the device upside down compared to the illustration above, the left and right stereo channels will be reversed.
  * The left and right stereo settings can be reversed in *Handy Recorder* app. This setting is stored in the **iQ7** itself.

HINT
If an authentication error or other problem occurs, the red LED will blink dimly.

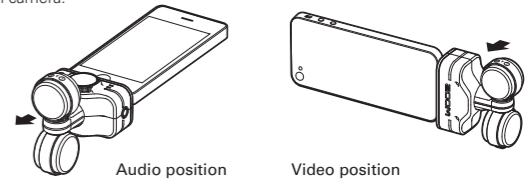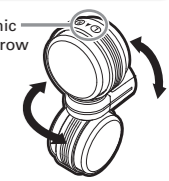**2.** Connect headphones, for example, to the stereo mini jack on the **iQ7**.

Use the *Handy Recorder* app to adjust the volume of the headphones or other device connected to the **iQ7** stereo mini jack.
The volume level set using the *Handy Recorder* app is saved in the **iQ7** and will be applied when using the **iQ7** with other applications.

Using the Microphone

Changing the mic orientation
1. Turn the M-S stereo mic to change its orientation.

Rotate the arrow on the top of the mid mic toward the subject of recording.
Audio position: Use this position when pointing the connected device toward the sound source.
Video position: Use this position when recording video with the built-in camera.

Mid mic top arrow

Audio position
Video position

NOTE
• Hold the **iQ7** to the connected device tightly to prevent disconnection when using its switches or changing its mic orientation. Use of excessive force could cause disconnection and even damage the connector.

Adjusting the stereo width
1. Move the stereo width switch.

90°
120°
M-S

90°: Record with a stereo width of 90°.
120°: Record with a stereo width of 120°.
M-S: Record without setting the stereo width using the **iQ7**. Adjust the stereo width after recording using the *Handy Recorder* app. When used with apps other than *Handy Recorder*, this setting will function as though set to 120°.

Adjusting the recording level
1. Turn the **iQ7** dial to adjust the recording level.

Check the level indicator, and adjust the recording level so that the middle LED lights.

Recording level
Low High

HINT
• If the input level is too high and causes distortion (−0.25 dB or higher), the red LED will light. If this occurs, use the MIC GAIN knob to reduce the recording level.
• For recording and playback procedures, see the instructions for the app that you are using.

NOTE
• No sound is output from the connected device speakers when the **iQ7** is connected. If you want to listen to audio using the speakers, disconnect the **iQ7** from the device when you are done recording.
• Connect the **iQ7** and the iOS device completely. Incomplete connection could cause malfunction or damage.
• When you are not using the **iQ7**, disconnect it from the iOS device and put it away. If you use the iOS device while the **iQ7** is still connected, damage could occur if excessive force is applied to the connector.

If the connected device sends or receives data wirelessly while recording with the **iQ7**, noise could occur in the recording. Using the phone function of the iPhone will also cause recording to stop. **When using the iQ7, put the connected device into Airplane Mode.**

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