

Instshadow

Instha GO

Compact Wireless Microphone System



User Manual

Foreword

Thanks for purchasing INSTHADOW Instha GO Wireless Microphone system.

Please read this manual carefully before using, so that you can get a good using experience.

Main Features

- 2.4G Digital Wireless Technology, Global Free Frequency
- Internal and External Mic, Dual Way Input Modes
- Real-time Audio Monitoring
- Low Latency, 6ms
- Broadcasting Audio Quality
- Compact Design with Multi-functional Clip

Specifications

Transmitter (TX)

Transmission type	2.4G Digital Transmission System
Antenna	PCB Antenna
Latency	6ms
Polar Pattern	Omnidirectional
Frequency Range	50Hz - 20kHz
External Mic Inputs	3.5mm TRS Lavalier Microphone
Power Requirements	Built-in Li-ion Battery Rechargeable by DC 5V
Battery Life	No Less Than 7 Hours
Weight (g)	30
Dimensions (mm)	46.6 × 48.2 × 21

Receiver (RX)

Transmission type	2.4G Digital Transmission System
Antenna	PCB Antenna
Latency	6ms
Analog Outputs Level	0db - 24db
Audio Output Interface	3.5mm TRS
Monitor Interface	3.5mm TRS/TRRS
Power Requirements	Built-in Li-ion Battery Rechargeable by DC 5V
Battery Life	No Less Than 7 Hours
Weight (g)	30
Dimensions (mm)	46.6 × 48.2 × 21

What you get

Main Parts:



Transmitter (TX)



Receiver (RX)

Accessories:

- ① Furry Windscreen (dead cat)
- ② 3.5mm TRS-TRRS (grey) Audio Cable (for Smartphone)
- ③ 3.5mm TRS-TRS Audio Cable (for Camera, Camcorder, Recorder, etc.)
- ④ USB A – USB C Charging Cable (2 pcs)
- ⑤ User Manual
- ⑥ Carrying Case



①



②



③



④



⑤



⑥

Components and Instructions

Transmitter (TX)



Receiver (RX)



Function and Usage

Transmitter (TX)

1. Buttons and indicators

Button	Operation	Working Status Indicator (blue)	Battery Status Indicator (red)	Statements
On/Off	Long (3s) press when device is off	On constantly	\	Power on
On/Off	Long (3s) press when device is on	Off	\	Power off
On/Off	Short press when device is off	\	4 flashes	Checking battery, 80% and above
On/Off	Short press when device is off	\	3 flashes	Checking battery, 60% - 80%
On/Off	Short press when device is off	\	2 flashes	Checking battery, 40% - 60%

On/Off	Short press when device is off	\	1 flash	Checking battery, 20% - 40%
On/Off	Short press when device is off	\	Continuous flash	Checking battery, below 20%
	No operation when device is on	\	Continuous flash	Battery warning, below 20%
Pair	Long (6s) press when device is on	Blue and red indicator flashes alternately		Entering pairing status
Pair	Short press when device is in pairing status	On constantly	\	Quit pairing status and return normal working status

2. Ports

2.1 Charge Port

Connect the transmitter with a power supply through the USB A – USB C charging cable to charge. (DC 5V in)

2.2 External Mic Port

An external microphone with 3.5mm TRS plug could be connected with the transmitter through this port. Immediately the external microphone is plugged in, the built-in microphone is switched off.

Receiver (RX)

1. Buttons and indicators

Button	Operation	Working status indicator (blue)	Battery status indicator (red)	Statement
On/Off/Mute	Long (3s) press when device is off	On constantly	\	Power on and get connected with transmitter (TX)
On/Off/Mute	Long (3s) press when device is off	Continuous flash	\	Power on but no connection with transmitter (TX)
On/Off/Mute	Long (3s) press when device is on	Off	\	Power off
On/Off/Mute	Long (6s) press when device is on	Blue and red indicator flashes alternately		Entering paring status
On/Off/Mute	No operation when device is in pairing status	Continuous flash	\	Paring is succeeded
On/Off/Mute	Short press when device is on	Interval flash	\	Device is muted

On/Off/Mute	Short press when device is muted	On constantly	\	Device is unmuted
On/Off/Mute	Short press when device is off	\	4 flashes	Checking battery, 80% and above
On/Off/Mute	Short press when device is off	\	3 flashes	Checking battery, 60% - 80%
On/Off/Mute	Short press when device is off	\	2 flashes	Checking battery, 40% - 60%
On/Off/Mute	Short press when device is off	\	1 flash	Checking battery, 20% - 40%
On/Off/Mute	Short press when device is off	\	Continuous flash	Checking battery, below 20%
On/Off/Mute	No operation when device is on	\	Continuous flash	Battery warning, below 20%
Volume Up	Short press when device is on	Single flash	\	Volume up by 1 grade (3 totally)

Volume Up	Short press when device is on	Double flash	\	Volume is at the top grade
Volume Down	Short press when device is on	Single flash	\	Volume down by 1 grade (3 totally)
Volume Down	Short press when device is on	Double flash	\	Volume is at the bottom grade

2. Ports

2.1 Charge Port

Connect the transmitter with a power supply through the USB A – USB C charging cable to charge.
(DC 5V in)

2.2 Audio Out Port

Connect to smartphone with 3.5mm TRS-TRRS (grey) Audio Cable (accessory ②);

Connect to camera (camcorder, recorder, etc.) with 3.5mm TRS-TRS Audio Cable (accessory ③)

2.3 Monitor Headphone Port

Plug in a headphone / earbud for real-time monitoring.

Paring Method

All devices are paired at the factory. If you need to re-pair or add another receiver into the current system, please follow the instruction below

Step 1

Power off the receiver you want to pair, if the receiver is on.

Step 2

Long (6s) press the on/off button of the receiver, until the blue / red indicator flashes alternately.

Step 3

Power on the transmitter you want to repair, if the transmitter is off.

Step 4

Long (6s) press the pair button of the transmitter, until the blue / red indicator flash alternately.

Step 5

Meanwhile, the blue indicator of the receiver continuously flash, which means pairing is succeeded.

Short press the pair button of the transmitter to finish pairing.

Optional

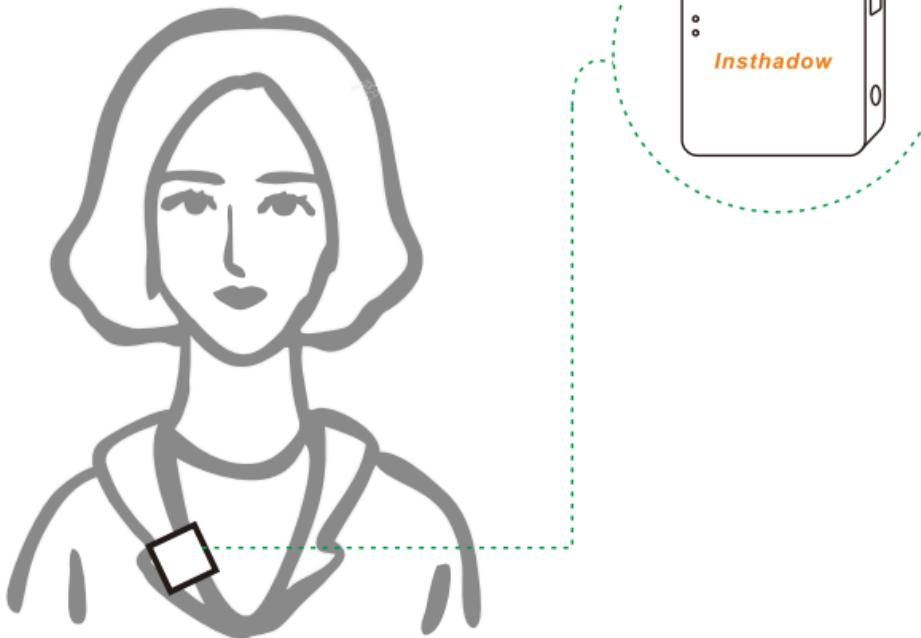
If you want to add another receiver(s) into the current system, please repeat Step 1 – 5.

At most, 8 receivers could be added into the system, which will help users with multiple-platform stream living.

Installation

Transmitter (TX)

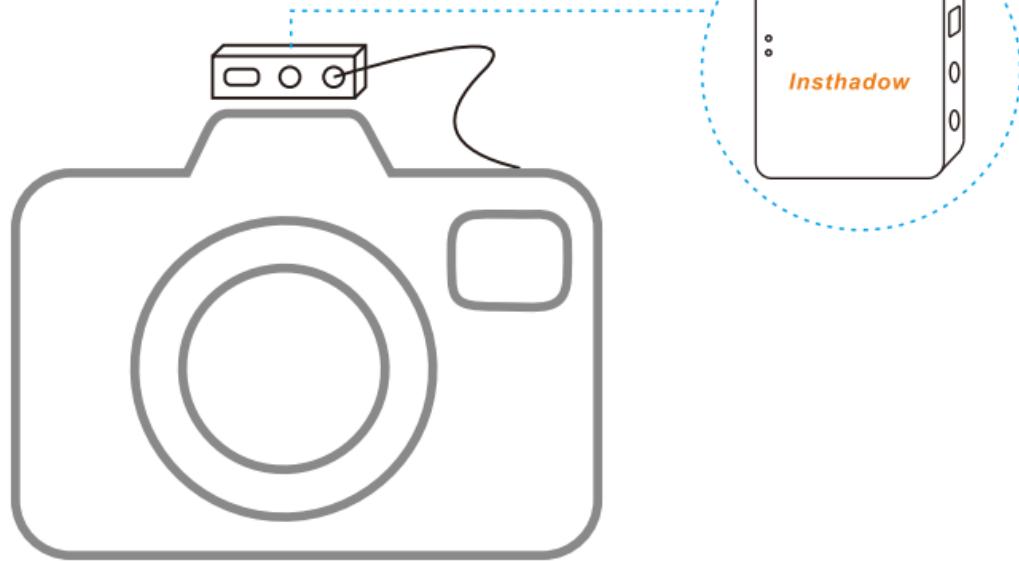
Clip the transmitter to the collar of the target person.



Receiver (RX)

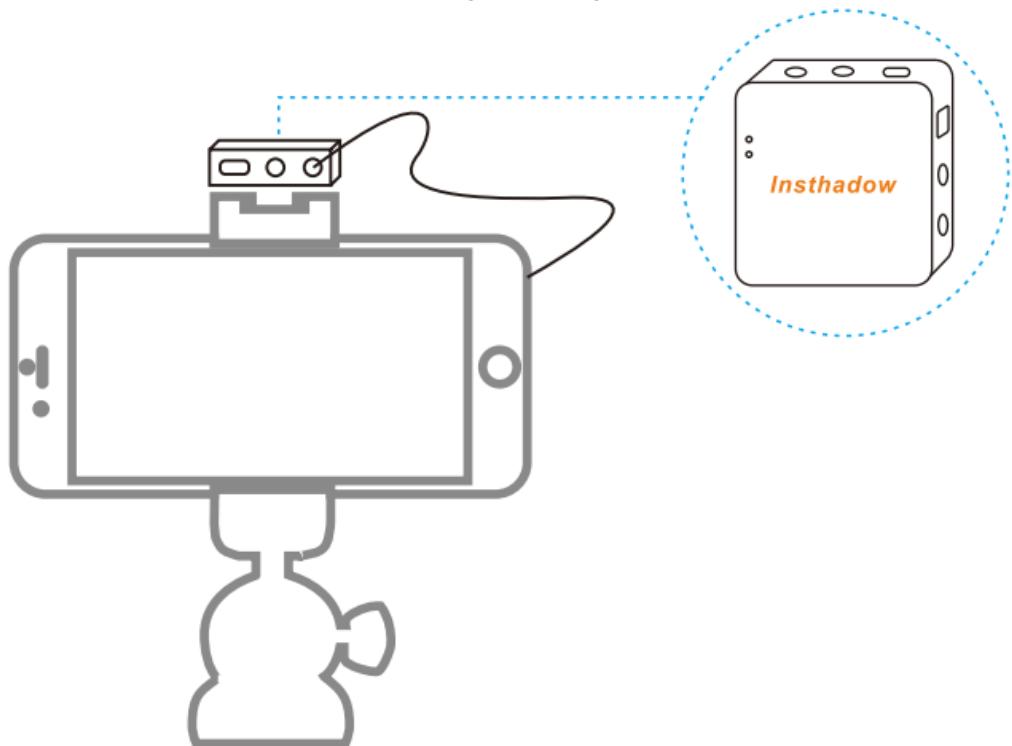
1. Working with Camera

Clip the receiver to the hot shoe.

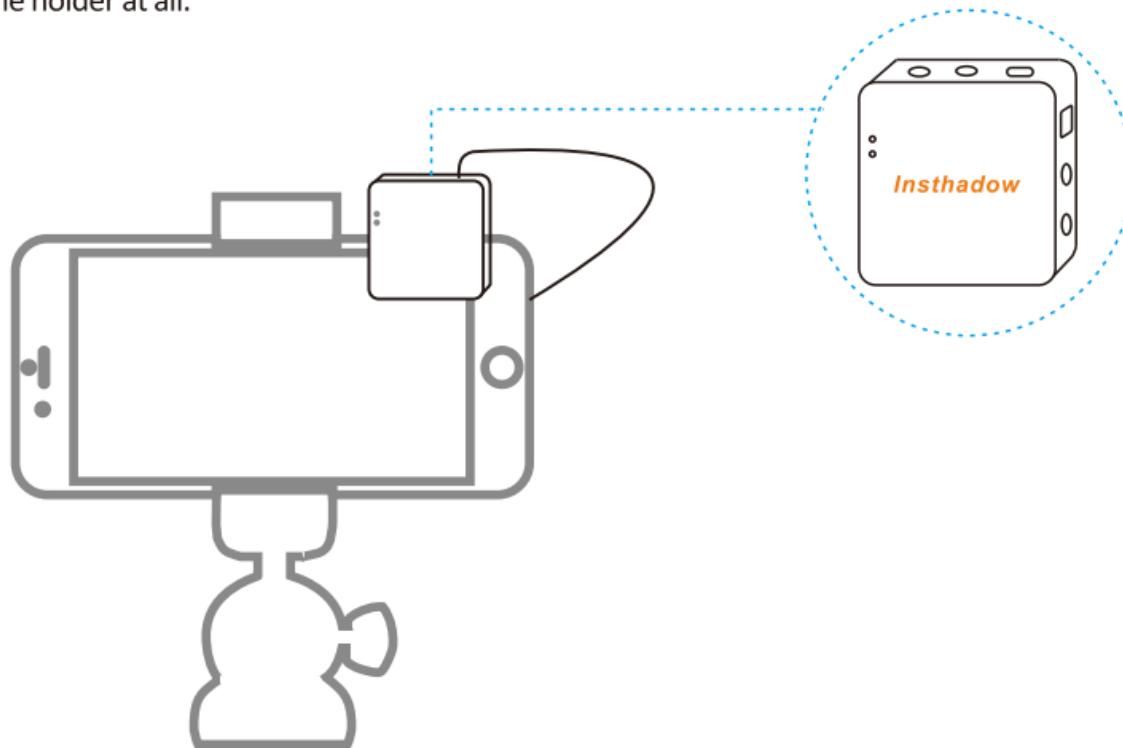


2. Working with the smartphone

2.1 Clip the receiver to the cold shoe, when you use a phone holder with cold shoe.

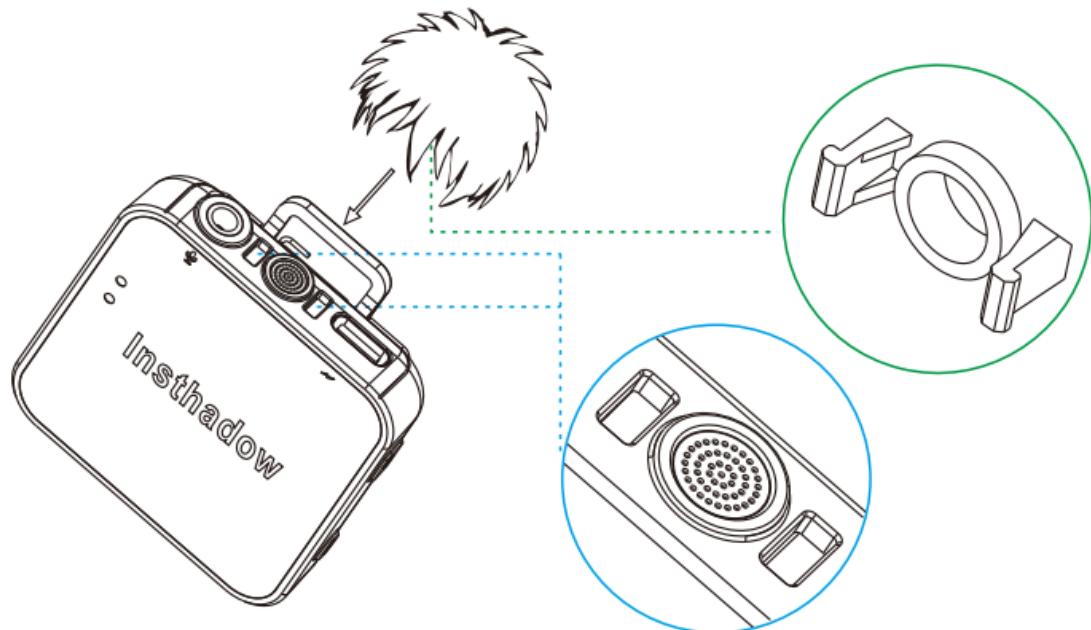


2.2 Clip the receiver to the smartphone, when you use a phone holder without cold shoe or no phone holder at all.



Furry Windscreen (dead cat)

Wear the furry windscreen by the buckles as the pictures below shows:



Notice

- Please avoid falling, collision or pounding to protect the device.
- Please avoid using the device in the places near to heat source or interference source, such as radiator, oven, or WIFI AP, which will interfere with the signals badly.
- Please put on the furry windscreen to prevent wind noise, when you use the device outdoor.
- Please don't use or keep the device in rain or high-humidity places to avoid short circuit.
- Please try to keep the transmitter and receiver face to face, since obstacles like walls, human bodies interfere with the signals badly, due to propagation characteristics of 2.4GHz wireless channel.

FCC Warning Statement

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