



For DSLR Cameras



U6 COMPACT WIRELESS MIC SYSTEM

Manual

CERTIFICATION

This Class B digital apparatus complies with Canadian ICES-003.

IC Caution: RSS-Gen Issue 4 December 2014" & "CNR-Gen 4e Décembre 2014:

This device complies with Industry Canada licence-exempt RSS standard(s).

Operation is subject to the following two conditions:

- (1) This device may not cause interference, and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Radio Approvals:

FCC Part 15.249, FCC Part 15 B, RSS-210 (Canada), EN 300 440 (Europe), EN 301.489 (Europe), Japan Radio 2.4 GHz Band (Japan), MIC ARIB STD-T66 (Japan), California 65, CE.

CERTIFICATION

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS:

- (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND
- (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRE OPERATION.

Warning: Changes or modifications not expressly approved in writing by Xvive may void the users authority to operate this equipment.

RF Exposure Statement: This transmitter must not be co-located or operated in conjunction with any other antennae or transmitter.

Note: 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:

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- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the 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.

This Class B digital apparatus complies with Canadian ICES-003.



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



WARNING:

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK,
DO NOT REMOVE SCREWS.
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

WARNING:

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK,
DO NOT EXPOSE THE APPLIANCE TO RAIN OR
MOISTURE.



Hereby, **SHENZHEN FZONE TECHNOLOGY CO., LTD,**
declares that this type of equipment is in compliance
with the essential requirements and other relevant
provisions of Directive 2014/53/EU

SAFETY INSTRUCTIONS
FOR LITHIUM-ION
RECHARGEABLE BATTERIES

If abused or misused, the rechargeable batteries may leak. In extreme cases, they may even present a risk of explosion, fire, heat, smoke or gas. Xvive does not accept any liability for damage arising from abuse or misuse.

- Keep away from children.
- Only charge rechargeable batteries with chargers recommended by Xvive.
- Observe correct polarity.
- Pack/store charged rechargeable batteries so that the terminals cannot contact each other (danger of shorting out/fire hazard).
- Do not expose to moisture.
- Switch rechargeable battery-powered products off after use.
- Only charge rechargeable batteries at ambient temperatures between 10°C/50°F and 40°C/104°F.
- When not using rechargeable batteries for extended periods of time, charge them regularly (about every three months).
- Do not mutilate or dismantle.

- Do not heat above 60°C/140°F, e.g. do not expose to sunlight or throw into a fire.
- Immediately remove rechargeable batteries from obviously defective products.
- Do not continue to use defective rechargeable batteries.
- Only use rechargeable batteries specified by Xvive.
- Dispose of rechargeable batteries at special collection points or return them to your specialist dealer.
- Store the products in a cool and dry place at room temperature (approx. 20°C/68°F).
- Remove the rechargeable batteries if the products will not be used for extended periods of time.

INFORMATION ABOUT COLLECTION AND DISPOSAL OF OLD ITEMS AND USED BATTERIES

These symbols on the products, packaging, or on any documents in the package mean it is incorrect to mix the used electrical and electronic products and batteries with general household garbage.

To protect our environment, please take old products and used batteries to proper collection places, and follow your national legislation and the Directives 2012/19/EU and 2006/66/EC.

To deal with these old products and batteries properly, please help to save valuable resources and prevent any possibility of side effects on human health and our environment due to the inappropriate disposal of the old products and used batteries.

You can contact your local authority for getting more helpful information on how to dispose the recycling and collection of the old products and batteries.

[For business users in the European Union]

If you want to discard electrical and electronic item, please contact your dealer or supplier for further information.

[Information on Disposal in other Countries outside the European Union]

These symbols are only valid in the European Union. Please contact your local authorities or dealer for more information on disposal of old items and used batteries.



Cd

**IMPORTANT SAFETY INSTRUCTIONS
PLEASE KEEP THESE INSTRUCTIONS
IN A SAFE PLACE**



**WARNING: BEFORE USING YOUR XVIVE U6 WIRELESS AUDIO FOR VIDEO SYSTEM,
CAREFULLY READ THE OPERATING INSTRUCTIONS.**

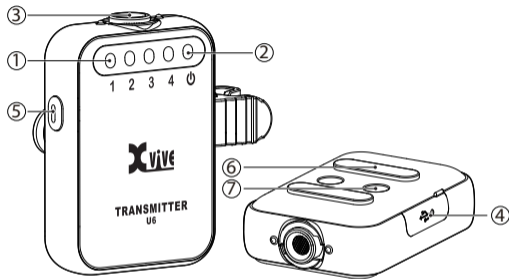
1. Carefully observe all instructions in the U6 manual
2. Do not to perform service operations beyond those described in the U6 Manual. Service is required when the apparatus was damaged in any way, such as:
 - liquid was spilled or objects were dropped into the device,
 - the unit was exposed to rain or moisture,
 - the unit does not operate normally or significant changes in performance occur,
 - the unit is dropped or the housing is damaged.
3. Do not place near heat sources, such as radiators, heating ducts, or appliances which produce heat.
4. Guard the device against objects or liquids entering the device. Do not use or store the unit close to water.
5. Clean only with a damp cloth.
6. Only use attachments/accessories specified by the manufacturer.
7. Prolonged listening at high volume levels may cause irreparable hearing loss and/or damage. Always be sure to practice "safe listening."

FEATURES

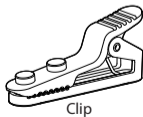
The U6 is an ultra-compact wireless microphone system designed primarily for video production. The transmitter can be worn discreetly in two different ways: using a clip or hook+loop tape. The clip keeps the transmitter in place on the underside of your shirt for a very discreet look. Alternatively, the hook+loop method completely conceals the transmitter under your clothing. Both methods are versatile and provide a solution for any application. The transmitter features a built-in omnidirectional condenser microphone and wirelessly transmits crystal-clear, studio-quality digital audio on the 2.4 GHz band to the camera-mounted receiver. The system's four-channel design allows four U6 sets to be used in the same area, or one set can be used with four frequencies to ensure connectivity when there are competing wireless devices nearby. U6 is perfect for video content creation, filmmaking, vlogging, YouTube, live streaming and more.

- 2.4 GHz for true diversity wireless system
- Omnidirectional microphone built into the transmitter
- High-resolution 24-bit / 48 kHz audio
- Up to 4 hours of battery life
- Less than 5 ms latency
- 4 wireless channels
- Dynamic range: 100 dB
- Signal-to-noise ratio: 100 dB
- 3.5 mm / 1/8" TRS output from the receiver to your DSLR or video camera
- Three receiver output level presets: 0 dB, -10 dB, and -20 dB
- Frequency response: 80 Hz – 20 kHz
- Solid RF connection over a 90 ft / 27 m range (actual range depends on RF signal absorption, reflection and interference)

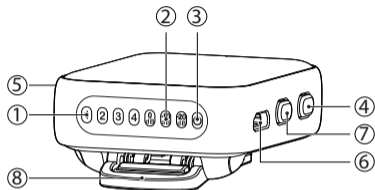
TRANSMITTER



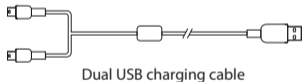
- ① Channel display
- ② Power LED
- ③ Microphone
- ④ USB charging port
- ⑤ Power and Channel switch
- ⑥ Hook fastener
- ⑦ Clip sockets



RECEIVER



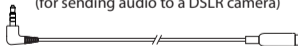
- ① Channel display
- ② Gain display
- ③ Power LED
- ④ Gain switch
- ⑤ 3.5 mm TRS output
- ⑥ USB charging port
- ⑦ Power and Channel switch
- ⑧ Clip



Dual USB charging cable



3.5 mm to 3.5 mm stereo cable
(for sending audio to a DSLR camera)



3.5 mm Female TRS to 3.5 mm Male TRRS adapter
(for sending audio to a TRRS-input smartphone or laptop)

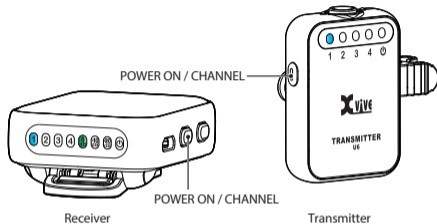
2.4 GHz SPECTRUM OVERVIEW AND INTERFERENCE

The U6 operates in the 2.4 GHz ISM band, the same band used by Wi-Fi, Bluetooth, and other wireless systems. 2.4 GHz is an open band and as such does not require a license to operate worldwide.

Tips and Methods to Improve Wireless System Performance

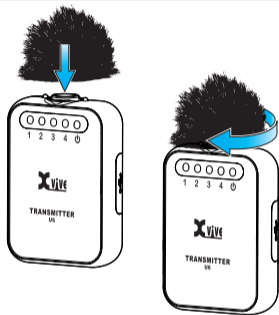
- 1) Keep more than 3 meters distance between the U6 receiver and other transmitters such as WiFi routers.
- 2) Change channels to avoid interference with other WiFi systems.
- 3) In case of interference from other WiFi systems, shorten the distance between the U6 receiver and transmitter.
- 4) The channels used are the same for Xvive U3/U3C/U4/U5/U6 devices. A maximum of six sets of U2/U3/U3C/U4/U5 or U6 can be used at the same location at the same time.

QUICK START



1. POWER AND CHANNEL

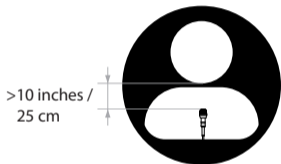
Turn the units on by pressing and holding the power button for 3 seconds, until the display screen lights up. Short presses on the power button will switch to the next channel (check the 1-4 channel display). Make sure you set the same channel on both the transmitter and the receiver. When the units are successfully paired, the green LED on the receiver will illuminate.



2. INSTALL THE FUR WINDSHIELD

The fur windshield is specially designed to reduce wind noise when recording outdoors or in difficult environmental conditions.

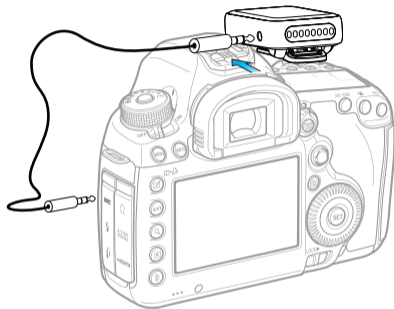
QUICK START



>10 inches /
25 cm

3. SET UP TRANSMITTER

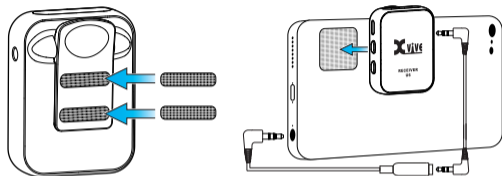
Please keep the transmitter at least 10" / 25 cm away from your mouth or audio source.



4. CONNECTING THE RECEIVER TO A DSLR CAMERA

Slide the receiver's foot into the camera's shoe mount. Connect the receiver output to the camera input using the supplied 3.5 mm TRS cable.

QUICK START



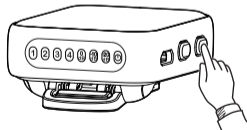
4.1 CONNECTING THE RECEIVER TO A SMARTPHONE

To connect to a smartphone with a TRRS 3.5 mm / 1/8" jack, plug one end of the included stereo cable into the receiver, and the other end into the TRRS to TRRS adapter. Plug the adapter into the smartphone's headphone jack. If your smartphone has a USB-C or lightning connector, you will need to purchase an additional adapter (TRRS to USB-C or TRRS to lightning). You can use the hook+loop fastener adhesives to attach the receiver to your smartphone or tripod/mount. Stick the hook pieces on the Receiver, and the loop piece on your smartphone.

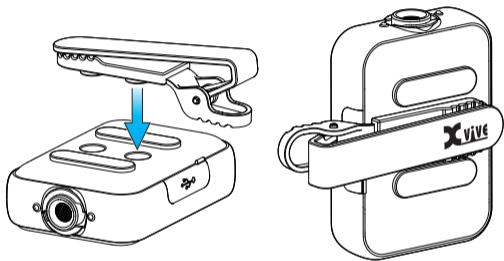
5. THREE OUTPUT GAIN LEVELS



0 dB
-10 dB
-20 dB



TRANSMITTER APPLICATION METHOD



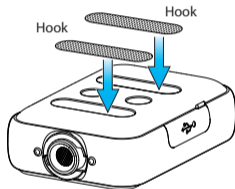
CLIP

Fasten the clip to the transmitter by pressing the round nubs on the clip into the round sockets on the transmitter. When the transmitter is clipped underneath your shirt or other clothing, it may create a slight protrusion, but will be generally unnoticeable.

TRANSMITTER APPLICATION METHOD

HOOK+LOOP

Stick the Hook pieces on the transmitter



There are two small hook fastener adhesive strips on the transmitter. Stick a loop sticker on the inside surface of your clothing, or anywhere else within range of the transmitter (about 10 inches from your mouth). Then simply press the transmitter against the loop piece.



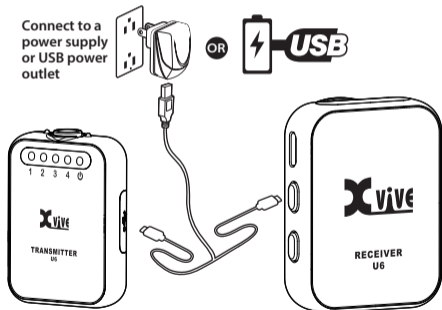
WARNING

Hook fastener material can catch onto knit or loosely woven fabrics (e.g. wool sweaters) and cause damage, so avoid making contact between the hook fastener on the back of the transmitter and your clothing. The adhesive on the back of the loop fastener piece can leave a residue on some fabrics. Avoid leaving the loop fastener stuck on clothing for a long time. Please use with caution.

BATTERIES AND CHARGING

The U6 system comes with a dual USB charging cable, which charges the transmitter and the receiver at the same time. Plug it into any 5V USB charger adapter or USB power source.

Note: Turn off the power while charging. Please do not use U6 while charging, as this may reduce your battery life.



POWER STATUS LED, INDICATES POWER STATUS

LED off = 100% ~ 30%

Solid red = 29% ~ 11%

Blinking red = less than 10%

CHARGING TIMES

BATTERY LIFE

35 minutes

1 hour

1 hour and 15 minutes

2 hours

2.5 hour

4 hours

Always store at room temperature

When storing the unit, please check the battery charge level regularly and charge if necessary.

TROUBLESHOOTING

ISSUE	SOLUTION
No sound	<ul style="list-style-type: none">• Check that the power switches on the transmitter and the receiver are both turned on, and that the batteries are at least partially charged;• Ensure that the transmitter and receiver are both on the same channel.• Ensure that the receiver's audio output has been connected correctly to the camera or other recording equipment;• Turn up the gain on the receiver to an appropriate level;• Check the volume and gain of the camera is working.
Distorted audio	<ul style="list-style-type: none">• Turn off the automatic volume adjustment of the camera and set it to manual adjustment;• Try turning down the output level of the receiver;• Keep at least 10 inches away from your mouth or audio source
Voice too low	<ul style="list-style-type: none">• Turn up the receiver output level;• Set the camera audio input level control to "manual" mode and turn up the level
Signal instability: RF LED flickering	<ul style="list-style-type: none">• See manual part of "2.4 GHz spectrum overview and interference" on page 10.
Multiple connections	<ul style="list-style-type: none">• Make sure the receivers are both set to the same channel as the transmitter you want them to receive audio from.

PRODUCT SPECIFICATIONS

Wireless type	2.4 GHz ISM worldwide open band
Wireless range	Up to 90 ft / 27 m; depends on RF signal absorption, reflection and interference
RF sensitivity	-86 dBm and -92 dBm
Total harmonic distortion	0.2%
Transmitter RF output power	<10 mW E.I.R.P. max
Antenna type	1/4 wave sleeve dipole, non-removable
Number of antennas	Transmitter: 1, Receiver: 2 (True diversity for both channels simultaneously)
Available channels	Up to 4
Latency	5 ms
High-resolution audio	24-bit / 48 kHz
Transmitter mounting modes	Clip / Hook+Loop
Microphone polar pattern	Omnidirectional

PRODUCT SPECIFICATIONS

Frequency range	80 Hz – 20 kHz
Sensitivity	-32 dB \pm 3 dB
Dynamic range	100 dB
Signal-to-noise ratio	100 dB
Receiver analog output	3.5 mm TRS
Receiver output gain	0 dB, -10 dB, -20 dB
Charging voltage & current	5V 1A
Charging time	2.5 hours
Battery	3.8V rechargeable Li-ion / Receiver: 420 mAh / Transmitter: 330 mAh
Battery life	4 hours
Dimensions	Receiver: 39 x 14 x 50 mm / Transmitter: 30 x 13 x 43 mm
Weight	Receiver: 29 g (1.02 oz) / Transmitter: 18 g (0.63 oz)

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MADE IN CHINA

Note: The manufacturer reserves the right to change these specifications without notice.