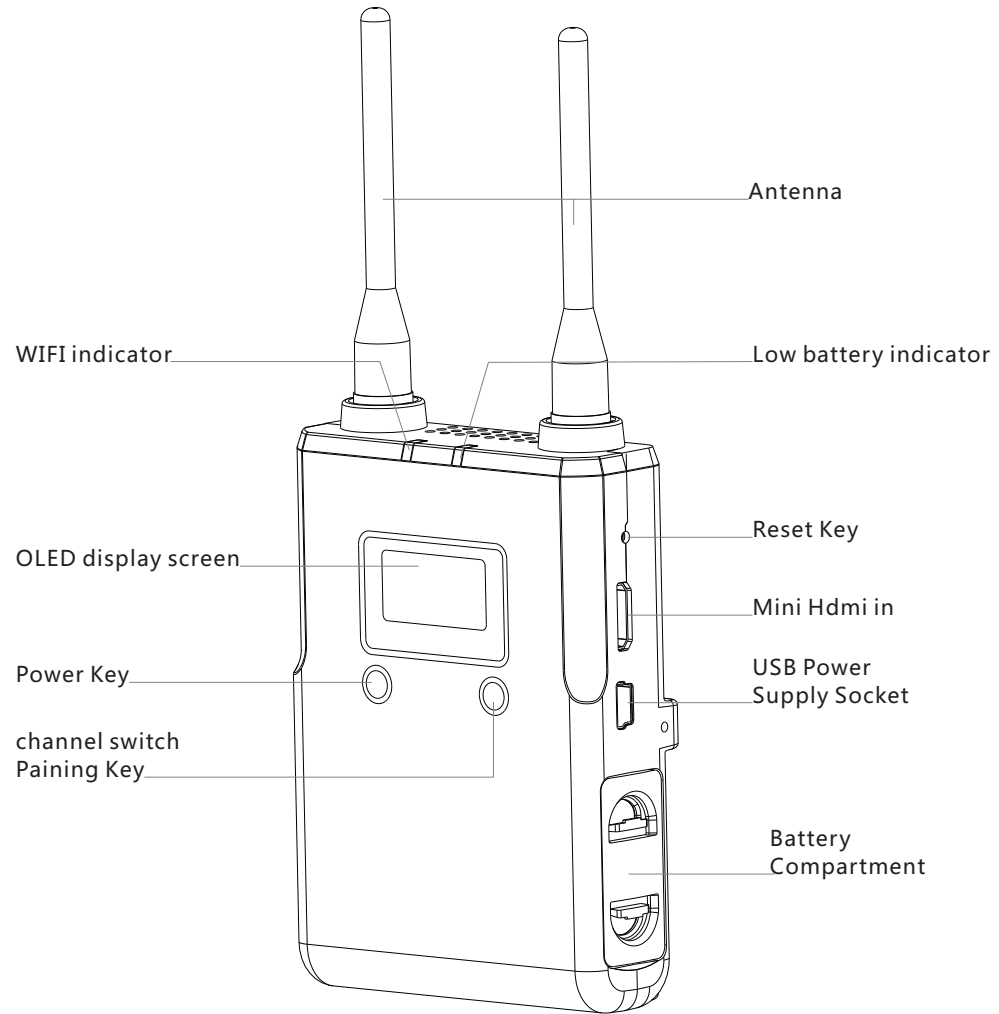


FREECAST Receiver

CP3039

User Manual

RX:CP3039



FreeCast APP installation

Please scan the QR code as below or search "FreeCast" APP in APP store.

Please note that the FreeCast installed iPhone / iPad CPU model requires A7 and above, and the operating system version requires iOS 8.0 and above.

Battery charge

Both the transmitter and receiver use Model No. 14500 cylindrical lithium battery. The battery should be fully charged before it is first used.

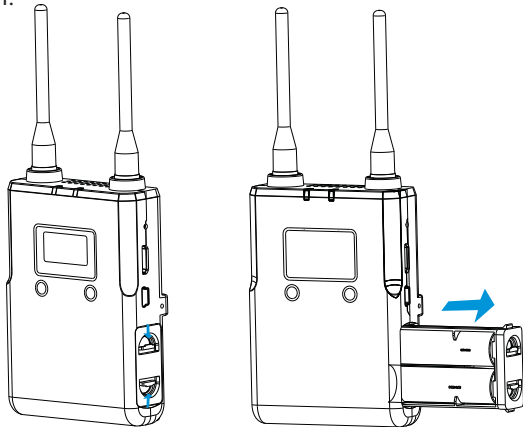
If you use fully-charged 14500 new batteries (3.7V, 800mAh), the duration of transmitter will be 90 minutes and the duration of receiver will be 80 minutes. After repeated charge and discharge, the batteries efficiency will reduce for which will lead to short duration time of batteries.

Precautions:

1. The nominal voltage of lithium battery 14500 is 3.7V and the maximum capacity is 800mAh, but some of the 14500 batteries in market are exaggerated in actual battery capacity, so please choose carefully.
2. The lithium battery 14500 needs to be used in pairs and do not mix new batteries in use with used batteries, otherwise it will be shorten the use life of new batteries.

How to install battery of the transmitter and the receiver

Please pinch the paddle on the side of the product and take out the battery box, and please refer to the silk-screen direction in the battery box before putting 2 lithium batteries in.



Please note!

That the lithium battery installed in the opposite direction will cause the product to fail to power on, but will not cause damage to the product.

Antenna installation of the transmitter and the receiver

The product is provided with 4 antennas, please screw the antenna to the antenna connector on the top of the transmitter and receiver.

Notification!

Please make sure the transmitter and receiver's antennas are vertical upwards when using the product to ensure high transmission performance of wireless signal.

How to install camera to the transmitter

Please use the screw lock HDMI cable supplied with this product, connect the transmitter to GoPro Hero 5 or other cameras with HDMI output interface.



Screw lock HDMI cable

Here is the installation instructions for connect the transmitter to Gopro5 as following:

1. Remove the side cover of the Gopro Hero 5, then install the side cover with screw holes which provided with this product.

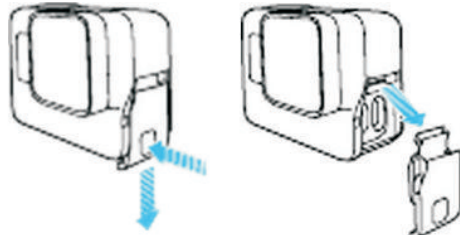


GoPro Hero 5

Remove the side cover

Remove the side cover:

1. Pin latch release button, Then open the side cover by sliding way
2. To pull the cover from the camera



Side cover

GoPro Hero 5

2. The side cover with screw hole will be fixed after putting the Gopro Hero 5 into its frame.



3. Insert the Micro-HDMI male connector with screw lock into the Micro-HDMI female base of Gopro Hero 5. Then put the HDMI screw into the screw hole of the side cover and tighten it.



4. Insert the Micro-HDMI male connector with screw lock into the Micro-HDMI female base of transmitter. then put the HDMI screw into the screw hole of side cover and tighten it.



Notification!

Please prepare another matching HDMI cable when the camera is Mini-HDMI or standard HDMI interface.

WIFI connection of Transmitter and receiver

1. Please press the 【power key】 of the transmitter and receiver for more than 1 second, the power indicators of both the transmitter and the receiver will on, at the same time the power on logo will appear on the product screen. The transmitter system start-up time is about 20 seconds. The receiver system start-up time is about 30 seconds, please be patient.
2. After the system setup, the product will perform WiFi connection, at this time the blue WiFi indicator of the transmitter and receiver will begin to slow flash.
3. After WIFI connected, the blue WiFi indicator of the transmitter and receiver will keep on.

The camera power on and output video to the transmitter

After opening the camera, the camera will transmit the audio and video to the connected transmitter via the HDMI cable.

The receiver receives and outputs video to TV or monitor

1. Please use the attached Mini-standard HDMI cable of which one end is Mini-HDMI male and another end is standard HDMI male. Please connect the receiver to a TV or monitor with standard HDMI video input interface.
2. After the WIFI connection of the transmitter and receiver succeed, the receiver will receive and decode the video stream from the transmitter in real time, and output it to the connected TV or monitor through the HDMI line.

Notification!

1. The receiver cannot be connected to the laptop via HDMI cable, because the laptop is HDMI video output interface, and it cannot support video input.

2. When viewing video via a TV or a monitor, the receiver will re-connect with the transmitter if you short press the 【channel switch】 key on receiver, and the TV or monitor screen will be stuck and then blank. The image will be restore after about 40 seconds, please be patient.

Watch videos via iphone/iPad

Please find the receiver SSID which is one 15 bit character string with FREECAST_ as prefix through the "Wi-Fi" item in the "SETTING" page of your iPhone/iPad and click SSID to connect it. The default WiFi password is 12345678. After iphone or ipad is connected to the receiver's WiFi, you can launch Freecast App and watch images from receiver in real time. The Freecast APP Live View at the top of the page will display the name of the SSID receiver.

Transmitter rate specification

You can choose the quality level corresponding to different transmitter video rate settings via Freecast App. The transmission distance between the transmitter and the receiver, and the number of clients that can be connected to the receiver simultaneously are related to the setting of video rate.

Below is reference value in ideal conditions of indivisibility without interference.

Image Quality	Transmitter Rate	Transmission Distance	Allowing people watching at the same time
Good	1.5Mbps	700m	1
		300m	3
Best	5Mbps	500m	1
		300m	2

■ Push flow and broadcast via Iphone or ipad

The kit allows you push the audio & video stream from the transmitter via the 4G network of iphone or ipad (WiFi+Cellular) to Youtube, Facebook and other online live platforms in real time, and you can set up that via Freecast App. Please enter into the "Stream" page of the App for streaming setting.

Notification!

1. If your ipad do not support SIM card, and the live Streaming & Broadcasting feature supported by 4G network will not be available.
2. Your iphone or ipad screen will stay on mandatorily in the process of live broadcasting.
3. If you close Freecast App in the process of live broadcasting, the live broadcasting will stop.

■ Receiver switch channel to avoid signal interference source

1. The transmitter and receiver Wi-Fi connection will not be connected when there is a signal interference source around the product, please short press the Channel switch key on the receiver to avoid signal interference sources if the blue Wi-Fi indicator of the transmitter is still in a slow flash status for a long time. This product supports CH1,CH2,CH3 and CH4 frequency channels for cyclic switching. The receiver will display the current selected frequency point number.
2. The receiver will be re-connected with the transmitter by Wi-Fi after short pressing the Channel Switch Key. At this point, the connection between receiver and the iPhone/iPad will also be automatically disconnected and the iPhone/iPad may automatically connect to other Wi-Fi hotspots. If the top of the Live View page of the Freecast APP is not the SSID name of the receiver, please enter into iPhone/iPad's "Setting-WiFi" page for reconnecting.

Notification!

The transmitter cannot switch the channel, the channel switching operation can only be performed by the receiver.

■ Warning for low power of lithium battery

When the lithium battery capacity is not enough, the red power indicator will blink for warning (the screen will show the battery level as only one grid). Please take the Lithium battery out and charge it.

Notification!

The kit cannot support lithium battery charging directly via Mini-USB interface on the transmitter and receiver.

■ USB interface for emergency power supply

When the battery runs out of its power and the product requests emergency power supply, you can adopt the affiliated two core USB power cable to connect the outside portable battery or the affiliated 5V 2A power adapter in the package.

Notification!

1. The affiliated USB power cable in the package can be only used for power supply, and it cannot used for data transmitting.
2. Please use the affiliated USB power cable and affiliated 5V 2A power adapter in the package for power supply, and any issue caused by other power supplies is not within the scope of warranty.

■ About the pairing of the transmitter and receiver

The transmitter and receiver have been paired with each other when they are out of the factory. But the transmitter and receiver will be required to be paired in the following three cases:

Case 1:

When the Wi-Fi password has been changed via Freecast App, it needs to be re-paired with the transmitter.

Case 2:

When the receiver needs to be restored the default Wi-Fi password, it needs to be re-paired with the transmitter (as to the detailed operation instruction, please see above).

Case 3:

The transmitter and the receiver need to be re-paired if anyone is replaced in case of loss or damage.

The following is the operation of the transmitter and receiver pairing:

1. Please long press the Pairing Key of the receiver and the transmitter for more than 3 seconds separately, and then the blue WiFi lights of the transmitter and the receiver will flash rapidly which indicates that the transmitter and the receiver are into the pairing status; and this process lasts about 10 seconds. when the blue WiFi indicators both the transmitter and receiver keep on, it is indicating that the transmitter and the receiver have completed the pairing process and implemented the Wi-Fi connection.
2. If the blue WiFi indicators both the transmitter and the receiver are still flashing rapidly for a long time, it is indicating that the pairing process is not successful. Please reboot the transmitter and the receiver separately, and then repeat the above pairing process.

Notification!

Do not long press the Pairing Key of the transmitter under normal use of the product, since it will cause the Wi-Fi reconnecting between the transmitter and the receiver.

Restore default Wi-Fi password of receiver

The Wi-Fi password of receiver can be customized by the Free-cast App. If you forget the password, long press the Reset Key on the right side of the receiver for more than 3 seconds to restart the receiver, then pair the transmitter and the receiver. when the blue WiFi indicators both the transmitter and receiver keep on, it is indicating that the transmitter and the receiver have completed the pairing process and implemented the Wi-Fi connection, and then the Wi-Fi password of the receiver has been restored to the default value as 12345678.

FCC 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

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 undesired operation.