

Aputure®

Gigtube

WIRELESS II



User Manual

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Safety Notice

To prevent damage to your product or injury to yourself or to others, read the following safety precautions in their entirety before using this equipment. Keep these safety instructions where all those who use this equipment will read them.

Do not disassemble or modify

Failure to observe this precaution could result in electric shock or product malfunction. Should the product break open as the result of a fall or other accident, remove the batteries.

Keep dry

- Do not handle with wet hands or immerse in or expose to water or rain. Failure to observe this precaution could result in fire or electric shock.
- Do not use in the presence of flammable gas. Failure to observe this precaution could result in explosion or fire.

Keep out of reach of children

This device contains small parts which may pose a choking hazard. Consult a physician immediately if a child swallows any part of this device.

Do not expose to high temperatures

Do not leave the device in a closed vehicle under the sun or in other areas subject to extremely high temperatures. Failure to observe this precaution could result in fire or in damage to the casing or internal parts.

Observe precaution when handling batteries

- Use only batteries listed in this manual. Do not mix old and new batteries or batteries of different types.
- Do not short or disassemble.
- Do not attempt to insert batteries upside down or backwards.
- Batteries are prone to leakage when fully discharged. To avoid damage to the product, be sure to remove the batteries when leaving the product unattended for prolonged periods or when no charge remains.
- Should liquid from the batteries come into contact with skin or clothing, rinse immediately with fresh water.

Foreword

Thanks for purchasing Aputure® Gigtube Wireless II DSLR Digital Remote Viewfinder. Gigtube Wireless II is a live-view wireless display and remote with infinite photographic possibilities. It inherits the excellent performance of the original Gigtube Wireless, while adding new features such as video recording, a longer range, multiple camera shutter control, and multiple shooting modes. What's more, it includes a built-in camera and playback for DSLRs without live-view. For the best results, read this user guide carefully.



Product Introduction

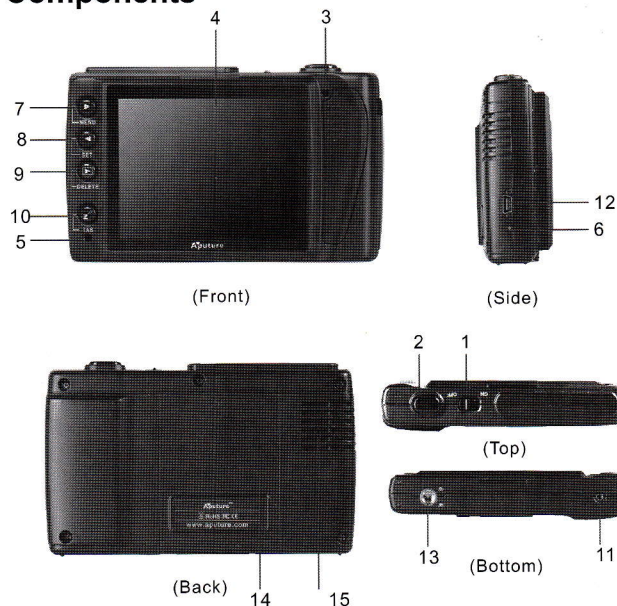
The Gigtube Wireless II (mentioned in below text will use GWII instead) is an exciting new device from Aputure that lets you control your camera and shoot video from a distance, giving you remote live view by 2.4G signal. The bright 3.5" color LCD displays great quality pictures even under bright sunlight.

Main features

1. Live view wireless display and remote
2. Camera built-in to support cameras without live-view
3. Video start & stop control *
4. Monitor 4 cameras at once
5. Digital-signal transfer technology
6. Built-in memory and playback
7. Working distance up to 100 meters(open area)
8. 3.5", 320x240 pixel, TFT LCD
9. Easy mounting screen hood
10. Strong resistance to interference

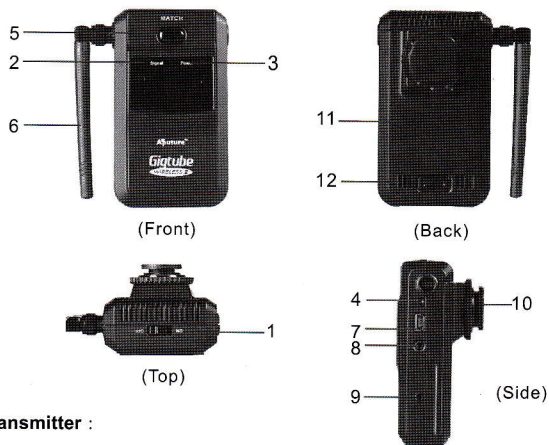
*Note: only used for select Canon models cameras. For details please refer to P15.

Components



Receiver :

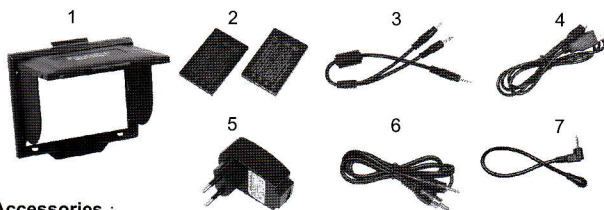
- | | |
|----------------------------|-------------------------|
| 1. Power switch | 9. Delete |
| 2. Shutter button | 10. Tab |
| 3. Shutter indicator light | 11. AV-out socket |
| 4. TFT LCD screen | 12. USB socket |
| 5. Sleep indicator light | 13. Tripod mount socket |
| 6. Charge indicator light | 14. Battery tray |
| 7. Menu | 15. Heat emission vent |
| 8. Set | |



Transmitter :

- 1. Power switch
- 2. Signal light
- 3. Power light
- 4. Charge indicator light
- 5. Match
- 6. Antenna

- 7. USB socket
- 8. IR socket
- 9. CAMERA socket
- 10. Camera hot shoe mount
- 11. Battery tray
- 12. Heat emission vent



Accessories :

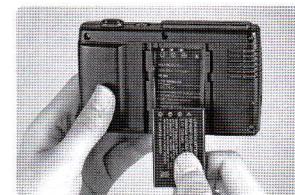
- 1. Sunshade
- 2. NP-60 battery
- 3. Data cable (Different cameras use different cables. For details, see insert page)
- 4. USB cable
- 5. Charger
- 6. AV-out cable
- 7. IR cable (Only for Canon DSLRs)

Battery Setup & Charging

Battery setup

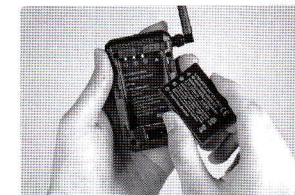
Receiver

GWII receiver uses one NP-60 battery which can be used continuously for 6 hours after fully charged. To insert the battery, follow the arrow's direction to open the battery hatch. Note the +/- icons when inserting the battery.



Transmitter

GWII transmitter uses one NP-60 battery which can be used continuously for 6 hours after fully charged. To insert the battery, follow the arrow's direction to open the battery hatch. Note the +/- icons when inserting the battery.

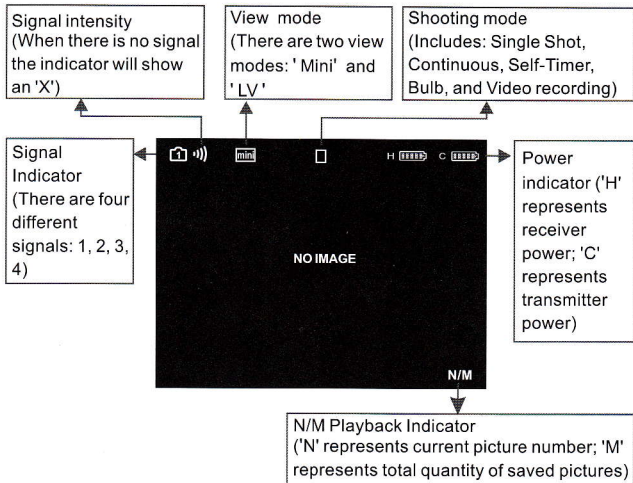


Charging

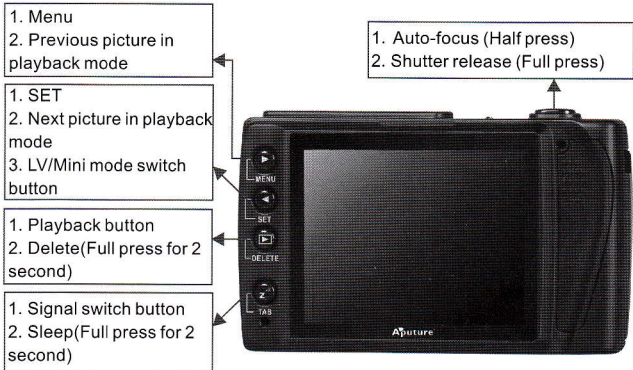
(Same for transmitter and receiver)

1. Turn off the power switch of GWII transmitter or receiver.
2. Connect with USB cable via USB socket, charge for about 2.5 hours until full. While charging, the indicator light is red. When fully charged, the indicator light will turn off.

Screen information



Button information



Adjustments

Brightness

1. Press 'Menu' button and navigate to Brightness (5 levels total).
2. Press 'Set' button to adjust brightness. Each level increases brightness by 20%.



Contrast

1. Press 'Menu' button and navigate to Contrast.
2. Press 'Set' button to adjust contrast. Each level increases contrast by 20%.



Signal Matching

One receiver can control and view 4 cameras by switching signals amongst 4 different transmitters mounted on cameras. In order to do this, one must match signals to each transmitter.

Matching Directions:

1. Power on receiver, press 'Menu' button and navigate to 'Match'. Default signal is 1.
2. Press 'Set' button to switch between different signals.
3. Once your signal is chosen, fully press the shutter button on the receiver. The shutter indicator light will flicker, and then stop after a few seconds.
4. Press the 'Match' button on transmitter while the receiver's shutter indicator light is flickering, or after it stops.
5. The signal light of transmitter will start to flicker. When it stops, it is successfully matched with the receiver.
6. The signal will be matched successfully when the receiver's signal intensity indicator shows from an 'X' to a signal icon.

View Mode

GWII has two viewing modes: 'Mini' and 'LV' mode.

1. 'Mini' mode relies on the transmitter's internal camera for live-view. It gives a 35mm angle of view. The image shown on the receiver's LCD is only what this internal camera captures, not your DSLR. However, if your lens is set to 35mm, it should be roughly equivalent to the image shown on GWII.

2. 'LV' is live view mode. The image shown on receiver's LCD is exactly what your DSLR captures.

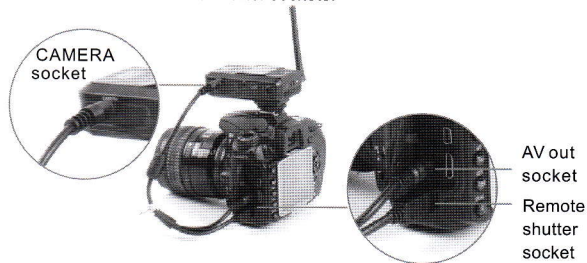
Note: The default view mode is 'Mini'. Press 'Set' button to change to 'LV' mode.



Functions and Operation

1. Setup

- 1) Connect transmitter to the camera's hotshoe.
- 2) Connect one end of cable to transmitter's 'camera' socket. Connect twin end to camera's AV-Out and remote shutter sockets.



- 3) Switch on the transmitter and receiver.

- 4) Lens and Camera should be set to autofocus.



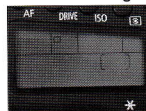
- 5) Turn on the camera's live-view mode.*




2. Drive Modes


a. Single Shot Mode

- 1) Set camera to 'Single Shot' drive mode.




- 2) Press 'Menu' button of receiver and navigate to 'Drive mode'. Then choose 'single shot' mode. 
- 3) Half press the shutter button on receiver to activate focusing (shutter indicator light turns green).
- 4) Fully press the shutter button to activate shutter (shutter indicator light turns red). The resulting image is shown on the LCD.

b. Continuous Mode

- 1) Set camera to 'Continuous' drive mode.
- 2) Press 'Menu' button of receiver and navigate to 'Drive mode'. Then choose continuous shooting mode. 
- 3) Half press the shutter button on receiver to activate focusing (shutter indicator light turns green).
- 4) Fully press the shutter button to activate shutter (shutter indicator light turns red). The resulting image is shown on the LCD.


***Note:** If your camera doesn't have live-view, use GWII's 'Mini' mode.

c. Self-Timer Mode

- 1) Set camera to 'Single Shot' drive mode.
- 2) Press 'Menu' button of receiver and navigate to 'Drive' mode. Then choose 'Self-Timer' shooting mode. 
- 3) Press the shutter button on receiver; camera shutter will be triggered after 5 seconds.

Note: Alternatively, you may set your camera to Self-Timer mode. Both will work.

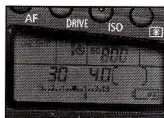
d. Bulb Mode

- 1) Set camera to 'Bulb' drive mode.
- 2) Press 'Menu' button of receiver and navigate to 'Drive mode'. Then choose 'Bulb' shooting mode. 
- 3) To start the exposure, fully press the shutter button on GWII (shutter indicator light on receiver is off, shutter indicator light on transmitter stays red)
- 4) To stop the exposure, half-press the shutter button again (both shutter indicator lights on transmitter and receiver turn off).

3. Video Recording*

a. Camera Setup

- 1) Set camera to 'infrared' mode.
- 2) Set camera to video mode.



- 3) In the camera's menu, start the remote control function for video mode. (Certain cameras do not require this step)



b. Transmitter Setup


***Note:** only used for select Canon models cameras which support infrared mode. For details please refer to P15.

- 1) Connect the transmitter and camera via data cable. Connect one end of data cable with transmitter; insert the twin end to AV-Out and remote shutter sockets.
- 2) Connect one end of the IR cable with transmitter via IR socket. Point the other end towards camera's IR sensor. Adjust the transmitter antenna vertically.



Note: During IR operation, there is no need to connect data cable with camera's remote shutter socket.

c. Receiver Setup

Press the 'Menu' button of receiver and navigate to 'Drive mode', press the 'Set' button and choose video mode. 

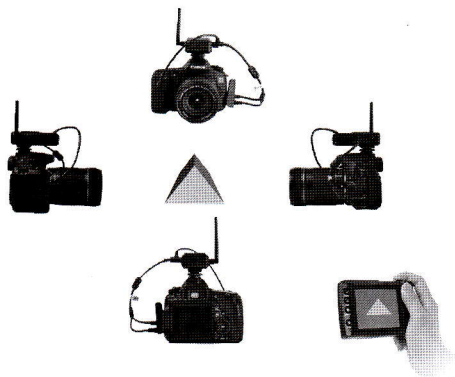
d. Video Shooting

- 1) To start video recording, fully press shutter button on GWII receiver. (Shutter indicator lights on both transmitter and receiver are red)
- 2) To stop video recording, re-press shutter button on GWII receiver. (Both shutter indicator lights off)

4. Multiple Camera Control

- 1) Please refer to the Signal Match section of this manual and match signals with each camera first.*
- 2) To start focus, half-press shutter button on receiver (both shutter indicator lights are green). To take a picture or record video, fully press shutter button of receiver, (both shutter indicator lights are red). Press the 'Tab' button of receiver to switch between different cameras.

***Note:** Can be used for both stills and video, as long as you switch drive modes on GWII.

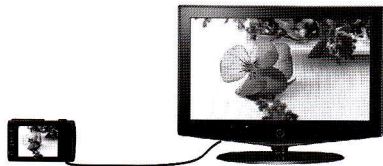


Playback & Delete

Pictures can only be saved on GWII while shooting in 'Mini' mode. The saved picture is only the image captured by built-in camera on transmitter, not actually what the camera captures. While shooting in 'LV' mode, there is no storage or playback on GWII.

Browse Pictures

- 1) Press the 'Delete' button to enter playback mode. You'll see the latest saved picture by default.
- 2) Press 'Menu' button to navigate backwards, and press 'Set' button to navigate forwards.
- 3) Press the 'Delete' button to revert back to live-view mode.
- 4) Connect one end of AV output cable with AV socket of receiver, and the other end with computer or TV. To browse pictures, follow the above directions in step 1.



Delete Pictures

- 1) Delete Single Images: enter playback mode, then long press 'Delete' button for 2 seconds.
- 2) Delete All Images: press 'Menu' button and navigate to 'Delete All Images', then press 'Set' button.

Sleep mode

- 1) Long press 'Tab' button for 3 seconds, the receiver and transmitter enter sleep mode. While "sleeping", the sleep indicator light on receiver turns orange; power indicator light on transmitter turns red.
- 2) To wake up the receiver, long press 'Tab' button again for 3 seconds.

Specifications

Frequency:	2.4GHz
Transmitter Distance:	100 meters (open area)
Signal:	Digital signal transfer, frequency switching technology
Signal source:	4 different signals
Battery Information:	NP-60, 1200mAH, rechargeable Lithium Battery
Power Life:	
Transmitter:	4 hours
Receiver:	4 hours
Product Size:	
Remote Control:	127×79×30 mm
Receiver:	87×50×41 mm
Screen:	
Size:	3.5" TFT, 16M colors display
Resolution:	320x240
Viewing Angle:	
Horizontal:	120°
Vertical:	105°
Storage:	100 pictures (available in Mini mode)

Important Notice

1. Mini mode is available for DSLRs without live view.

e.g. Canon 400D (Rebel XTi), 350D (Rebel XT), 300D (Rebel), 30D, 20D, 1D Mark II N, 1Ds Mark II, 1D Mark II, etc; Nikon D200, D2Xs, D2Hs, D2X, D2H, D1H, D1X, D1, etc.

2. Select Canon DSLRs can't auto-focus when half pressing the shutter button in live-view mode.

e.g. Canon 1000D (Rebel XS), 500D (Rebel T1i), 450D (Rebel XSj)

Note: Above cameras can auto focus by pressing camera's '*' button.

e.g. Canon 5D Mark II, 5D Mark III, 50D, 40D, 1D Mark IV, 1Ds Mark III, 1D Mark III

Note: Above cameras can auto focus by pressing AF-ON button.

Tip: When using above cameras with GWII, using the Mini mode enables one to auto-focus.

3. In Mini mode, there is no instant playback after pressing the shutter.

As Mini live view mode utilizes the built-in camera on the transmitter and not the camera's live view, it can't show focusing and playback as captured by the camera's LCD. However, it can playback the photo taken by the built-in camera, while the original pictures have been stored on the camera's memory card.

4. Camera must be set to 'Infrared' mode to control video. This function is limited to Canon cameras.

e.g. Canon 5D Mark II, 5D Mark III, 7D, 60D, 600D (Rebel T3i), 550D (Rebel T2i), 500D (Rebel T1i).

5. Photo storage can only be used in Mini mode, storing only the snapshot from the built-in camera, not the actual picture from your camera.

6. When using GWII, there may be signal disturbance (static, delay, etc) if you are moving, or if an object moves between transmitter and receiver (such as a car, or people). This is inherent in wireless technology, and is not a fault of GWII.

Troubleshooting

1. Q: Why is my camera unable to shoot?

A: Be sure batteries are installed correctly and the power switch is on.

A: Be sure GWII transmitter and receiver are on the same signal.

A: Be sure cable is connected correctly.

A: Use manual focus on your lens if your camera's shutter does not support live-view during AF.

2. Q: Why is my camera unable to control video?

A: Be sure your camera and GWII is in IR mode.

A: Be sure receiver is set to video mode.

A: Be sure the IR cable is connected correctly, with one end aimed at the camera's IR sensor.

A: Be sure the transmitter and receiver are matched to the same signal.

A: Be sure your camera is Canon brand DSLR. Other brands will not work.

3. Q: Why is my camera unable to control multiple camera shutters?

A: Be sure each transmitter has been matched successfully with the receiver.

A: Be sure receiver signal has been switched to appropriate transmitter.

A: Be sure the receiver and each transmitter are not low on power.

A: Be sure the cable is connected correctly.

4. Q: What can I do about signal disturbance or shooting interference?

A: Try another signal.

A: Be sure the signal is the same on transmitter and receiver.

A: Move the receiver or camera to a non-interfering position until signal connects.

A: Adjust the antenna to a new position.

A: Be sure you are not moving, and that there are no moving objects between transmitter and receiver.

5. Q: Why is my camera are unable to auto-focus in live view mode?

A: Please read the previous page, #2.