



# **RT77 Body Camera User Manual**

## RT77 Body Camera Diagram



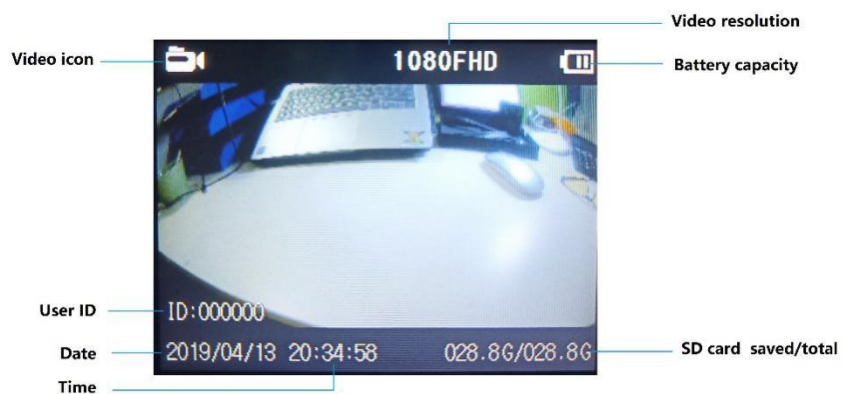
### Power On/Off

#### Power on:

1. Press "Power" button, the LED Status Indicator will light up green with power on sound and LCD screen will display the logo.
2. The camera system will enter into recording standby mode and the LED Status Indicator will **remain green**.
3. The LCD will display the currently recording interface and your body camera is ready to use.

*Note: If you have set the screen saver setting to be 1min/3min/5min, if there is no interaction with the camera, the camera LCD screen will turn off.*

### Screen display



#### Power Off:

1. Long press the "Power" button for at least two seconds.
2. The current file will be saved to the internal storage and the device will power down.

## Recording Video

1. Press the "Video" button until the LED Status Indicator lights up red and flash. The camera will beep audibly.
2. The camera will enter into Video Recording Mode and begin to record. It will save a file every 3min/5min/10min/20min. The recording time can be set in video setting menu list.

Note: If you have set the *Auto night vision* in the system setting list to be Manual. When the lighting is insufficient, press the Up/IR button can enable Night Mode and the IR LEDs. If you have set the *Auto night vision to be Auto*. *When the lighting is insufficient, the camera will automatically enable Night Mode and the IR LEDs. It will automatically return to the normal recording mode when light conditions improve.*

## Stop Recording Video

1. Press the "Video" button until the LED Status Indicator Lights up green.
2. The camera will enter Recording Standby Mode.

## Recording Audio

1. Press the "Audio" button until the LED Status Indicator flashes green.
2. The camera will beep, the LCD screen will show the Audio Recording Mode Screen to indicate it has begun recording audio only.

## Stop Recording Audio

1. Press the "Audio" button until the LED Status Indicator shows solid green.
2. The camera will enter Recording Standby Mode.

## Taking a Photo

1. When the camera is in Recording Standby Mode or during Video Recording Mode, press the "Photo" button to take a photo.
2. The LED Status Indicator will flash green once if take a photo in Recording Standby Mode. There is photo capturing sound when taking a photo.

## Files Playback

1. Long press the "OK/Playback" button until the camera enters into Playback Mode.
2. To play the currently recording file, press the "OK" button again.
3. To play another file, use the "UP" or "Down" button to cycle through the files. Press the "OK" button when you have found the file to play it.

## Exit Playback Mode

1. To exit the Playback Mode, long press the "OK/Playback" button.
2. The camera will return to the Recording Standby Mode.

## Charging Battery with USB Cable

1. Connect a USB cable with a compatible connector to a computer/wall charger.
2. Connect the USB cable to the USB port on the body camera.

## Battery Status Icons



Low Power



Not Fully Charged



Fully Charged

When charge battery while camera is power off, the LED Status Indicator will light up red. When the battery is fully charged, the red LED Status Indicator will turn off.

## Connect to PC

Connect to PC via mini USB cable, on camera LCD, it will display "Connected Computer". You will find the camera disk on PC.

## Parameter Setting

1. Short press Menu button, first menu is Video parameters setting list. Short press Menu button again to enter into second menu which is System parameters setting list.

### 2. Video parameters setting list as below:

Resolution: 2304\*1296 20P, 1920x1080 30P, 1440x1080 30P, 1280x720 30P, 800x480 30P, 640x480 30P

Video Quality: Fine, Normal, Economy. (Bitrate is different for different options)

Loop Recording: Off, On

Recording Time: 3minutes, 5minutes, 10minutes, 20minutes

Video Delay: Off, On

Motion Detection: Off, On

Photo Size: 36M, 21M, 16M, 12M, 10M, 8M, 5M, 2M

Continuous Shoot: Off, 2 sheets, 3 sheets, 5 sheets, 10 sheets

### 3. System parameters setting list as below:

Volume: Off, Low, Medium, High

Screen Saver: Off, 1 Minute, 3 Minutes, 5 Minutes

Auto Power Off: Off, 3 Minutes, 5 Minutes, 10 Minutes

Auto night vision: Manual, Auto

Frequency: 50Hz, 60Hz

Date/Time: YYYY/MM/DD, HH/MM/SS. Press UP/Down button to select correct date and time, press OK button to confirm each figure, after date and time fixed, press Menu button to get back to System parameters setting list.

Language: English, Traditional Chinese, Simplify Chinese, Japanese, Korean, Russian

ID setting: 6 figures ID number. Press UP/Down button to select correct each figure and confirm by pressing OK button, after ID number is fixed, press Menu button to get back to System parameters setting list.

Format: Cancel, OK

Default Setting: Cancel, OK

Version: version number

## Other features:

Torch light: short press "Down/Torch" button to turn on/off torch light. Torch light is for using in dark situation to add more light.

Laser pointer: short press "Power" button to turn on/off laser pointer. Laser pointer can show the direction where lens is recording.

## Package Contents

- 1- Body Camera
- 1- Instruction Manual
- 1- Charger
- 1- USB cable
- 1- Big shoulder clip

## Specifications

Photo:36M(7072X5304 4:3) (21M/16M/12M/10M/8M/5M/2M)	Split storage:3min/5min/10min/20min
Video:	Record delay:Off/1 Minute/3Minute/5Minute
2304*1296@20fps	IR control: Manual/Auto
1920*1080@30fps	
1440*1080@30fps	Display:2.0inch HD color display
1280*720@30fps	Speaker:available
800*480@30fps	
640*480@30fps	Visual indicators:available
Storage:Standard 16GB built-in, can support up to 128GB.	Language:Multiple languages
Battery life:more than 8hrs FHD recording	Audio only record:support
Night vision:up to 10meters	Battery MSDS:available
Stamp:ID+date+time	Lens angle:120°
Laser light:available	Accessories: big clip, small clip, charger, USB cable
White light:available	Camera weight: 120g
Battery capacity:2650mah	
Drop resistant:3meters	
Waterproof:IP56	
Ports: Mini USB2.0	
Camera size: 78*58*28mm	

## Trouble shooting and Handling

1. Camera cannot turn on?

Please charge camera battery for more than 2 hours **first , then try to turn it on again.**

2. Camera cannot respond?

**Please press the little hole of USB button inside with a needle for 2 seconds to restart it.**

3. Failed to connect to computer?

Please try another USB port on computer or a new USB cable.

*Note: If you still couldn't solve the problems, please contact your direct seller to return for repair.*



**ATTENTION!**

**Before using this radio, read this guide which contains important operating instructions for safe usage and RF energy awareness and control for compliance with applicable standards and regulations.**

This two-way radio uses electromagnetic energy in the radio frequency (RF) spectrum to provide communications between two or more users over a distance. RF energy, which when used improperly, can cause biological damage.

All Retevis two-way radios are designed, manufactured, and tested to ensure they meet government-established RF exposure levels. In addition, manufacturers also recommend specific operating instructions to users of two-way radios. These instructions are important because they inform users about RF energy exposure and provide simple procedures on how to control it.

Please refer to the following websites for more information on what RF energy exposure is and how to control your exposure to assure compliance with established RF exposure limits:<http://www.who.int/en/>

### **Local Government Regulations**

When two-way radios are used as a consequence of employment, the Local Government Regulations requires users to be fully aware of and able to control their exposure to meet occupational requirements. Exposure awareness can be facilitated by the use of a product label directing users to specific user awareness information. Your Retevis two-way radio has a RF Exposure Product Label. Also, your Retevis user manual, or separate safety booklet includes information and operating instructions required to control your RF exposure and to satisfy compliance requirements.

### **Radio License**

Governments keep the radios in classification, business two-way radios operate on radio frequencies that are regulated by the local radio management departments (FCC, ISED, OFCOM, ANFR, BFTK, Bundesnetzagentur...).To transmit on these frequencies, you are required to have a license issued by them. The detailed classification and the use of your two radios, please contact the local government radio management departments.

Use of this radio outside the country where it was intended to be distributed is subject to government regulations and may be prohibited.

### **Unauthorized modification and adjustment**

Changes or modifications not expressly approved by the party responsible for compliance may void the user's authority granted by the local government radio management departments to operate this radio and should not be made. To comply with the corresponding requirements, transmitter adjustments should be made only by or under the supervision of a person certified as technically qualified to perform transmitter maintenance and repairs in the private land mobile and fixed services as certified by an organization representative of the user of those services.

Replacement of any transmitter component (crystal, semiconductor, etc.) not authorized by the local government radio management departments equipment authorization for this radio could violate the rules.

### **FCC Requirements:**

This device complies with part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference. (Licensed radios are applicable);

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (Other devices are applicable)

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

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

## CE Requirements:

•(Simple EU declaration of conformity) Shenzhen Retevis Technology Co., Ltd. declares that the radio equipment type is in compliance with the essential requirements and other relevant provisions of RED Directive 2014/53/EU and the ROHS Directive 2011/65/EU and the WEEE Directive 2012/19/EU; the full text of the EU declaration of conformity is available at the following internet address: [www.retevis.com](http://www.retevis.com).

### •Restriction Information

This product can be used in EU countries and regions, including: Belgium (BE), Bulgaria (BG), Czech Republic (CZ), Denmark (DK), Germany (DE), Estonia (EE), Ireland (IE), Greece (EL), Spain (ES), France (FR), Croatia (HR), Italy (IT), Cyprus (CY), Latvia (LV), Lithuania (LT), Luxembourg (LU), Hungary (HU), Malta (MT), Netherlands (NL), Austria (AT), Poland (PL), Portugal (PT), Romania (RO), Slovenia (SI), Slovakia (SK), Finland (FI), Sweden (SE) and United Kingdom (UK).

For the warning information of the frequency restriction, please refer to the package or manual section.

### •Disposal

The crossed-out wheeled-bin symbol on your product, literature, or packaging reminds you that in the European Union, all electrical and electronic products, batteries, and accumulators (rechargeable batteries) must be taken to designated collection locations at the end of their working life. Do not dispose of these products as unsorted municipal waste. Dispose of them according to the laws in your area.



## IC Requirements:

Licence-exempt radio apparatus

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

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

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- (1) l'appareil ne doit pas produire de brouillage;
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

## RF Exposure Information

•DO NOT operate the radio without a proper antenna attached, as this may damage the radio and may also cause you to exceed RF exposure limits. A proper antenna is the antenna supplied with this radio by the manufacturer or an antenna specifically authorized by the manufacturer for use with this radio, and the antenna gain shall not exceed the specified gain by the manufacturer declared.

•DO NOT transmit for more than 50% of total radio use time, more than 50% of the time can cause RF exposure compliance requirements to be exceeded.

•During transmissions, your radio generates RF energy that can possibly cause interference with other devices or systems. To avoid such interference, turn off the radio in areas where signs are posted to do so.

•DO NOT operate the transmitter in areas that are sensitive to electromagnetic radiation such as hospitals, aircraft, and blasting sites.

•Portable Device, this transmitter may operate with the antenna(s) documented in this filing in Push-to-Talk and body-worn configurations. RF exposure compliance is limited to the specific belt-clip and accessory configurations as documented in this filing and the separation distance between user and the device or its antenna shall be at least 2.5 cm.

•Mobile Device, during operation, the separation distance between user and the antenna subjects to actual regulations, this separation distance will ensure that there is sufficient distance from a properly installed externally-mounted antenna to satisfy the RF exposure requirements.

•Occupational/Controlled Radio, this radio is designed for and classified as "Occupational/Controlled Use Only", meaning it must be used only during the course of employment by individuals aware of the hazards, and the ways to minimize such hazards; NOT intended for use in a General population/uncontrolled environment.

•General population/uncontrolled Radio, this radio is designed for and classified as "General population/uncontrolled Use".

## RF Exposure Compliance and Control Guidelines and Operating Instructions

To control your exposure and ensure compliance with the occupational/controlled environment exposure limits, always adhere to the following procedures.

## Guidelines:

- User awareness instructions should accompany the device when transferred to other users.
- Do not use this device if the operational requirements described herein are not met.

## Operating Instructions:

- Transmit no more than the rated duty factor of 50% of the time. To Transmit (Talk), push the Push to Talk (PTT) button. To receive calls (listen), release the PTT button. Transmitting 50% of the time, or less, is important because the radio generates measurable RF energy exposure only when transmitting in terms of measuring for standards compliance.
- Transmit only when people outside the vehicle are at least the recommended minimum lateral distance away from a properly installed according to installation instructions, externally mounted antenna.
- When operating in front of the face, worn on the body, always place the radio in a Retevis approved clip, holder, holster, case, or body harness for this product. Using approved body-worn accessories is important because the use of Non-Retevis approved accessories may result in exposure levels, which exceed the IEEE/ICNIRP RF exposure limits.

## Hand-held Mode

- Hold the radio in a vertical position with the microphone (and other parts of the radio including the antenna) at least 2.5 cm (one inch) away from the nose or lips. The antenna should be kept away from the eyes. Keeping the radio at a proper distance is important as RF exposure decreases with increasing distance from the antenna.



## Phone Mode

- When placing or receiving a phone call, hold your radio product as you would a wireless telephone. Speak directly into the microphone.

## Electromagnetic Interference/Compatibility

NOTE: Nearly every electronic device is susceptible to electromagnetic interference (EMI) if inadequately shielded, designed, or otherwise configured for electromagnetic compatibility.

## Avoid Choking Hazard



Small Parts. Not for children under 3 years.

## Turn off your radio power in the following conditions:



### WARNING

- Turn off your radio before removing (installing) a battery or accessory or when charging battery.
- Turn off your radio when you are in a potentially hazardous environments: Near electrical blasting caps, in a blasting area, in explosive atmospheres (flammable gas, dust particles, metallic powders, grain powders, etc.).
- Turn off your radio while taking on fuel or while parked at gasoline service stations.  
To avoid electromagnetic interference and/or compatibility conflicts
- Turn off your radio in any facility where posted notices instruct you to do so, hospitals or health care facilities (Pacemakers, Hearing Aids and Other Medical Devices) may be using equipment that is sensitive to external RF energy.
- Turn off your radio when on board an aircraft. Any use of a radio must be in accordance with applicable regulations per airline crew instructions.

## Protect your hearing:





## WARNING

- Use the lowest volume necessary to do your job.
- Turn up the volume only if you are in noisy surroundings.
- Turn down the volume before adding headset or earpiece.
- Limit the amount of time you use headsets or earpieces at high volume.
- When using the radio without a headset or earpiece, do not place the radio's speaker directly against your ear
- Use careful with the earphone maybe possible excessive sound pressure from earphones and headphones can cause hearing loss



**Note:** Exposure to loud noises from any source for extended periods of time may temporarily or permanently affect your hearing. The louder the radio's volume, the less time is required before your hearing could be affected. Hearing damage from loud noise is sometimes undetectable at first and can have a cumulative effect.

## Avoid Burns



## WARNING

### Antennas

- Do not use any portable radio that has a damaged antenna. If a damaged antenna comes into contact with the skin when the radio is in use, a minor burn can result.

### Batteries (If appropriate)

- When the conductive material such as jewelry, keys or chains touch exposed terminals of the batteries, may complete an electrical circuit (short circuit the battery) and become hot to cause bodily injury such as burns. Exercise care in handling any battery, particularly when placing it inside a pocket, purse or other container with metal objects

### Long transmission

- When the transceiver is used for long transmissions, the radiator and chassis will become hot.

## Safety Operation



## WARNING

### Forbid

- Do not use charger outdoors or in moist environments, use only in dry locations/conditions.
- Do not disassemble the charger, that may result in risk of electrical shock or fire.
- Do not operate the charger if it has been broken or damaged in any way.
- Do not place a portable radio in the area over an air bag or in the air bag deployment area. The radio may be propelled with great force and cause serious injury to occupants of the vehicle when the air bag inflates.

### To reduce risk

- Pull by the plug rather than the cord when disconnecting the charger.
- Unplug the charger from the AC outlet before attempting any maintenance or cleaning.
- Contact Retevis for assistance regarding repairs and service.
- The adapter shall be installed near the equipment and shall be easily accessible

## Approved Accessories



## WARNING

- This radio meets the RF exposure guidelines when used with the Retevis accessories supplied or designated for the product. Use of other accessories may not ensure compliance with the RF exposure guidelines and may violate regulations.
- For a list of Retevis-approved accessories for your radio model, visit the following website: <http://www.Retevis.com>

---

## Guarantee

Model Number: \_\_\_\_\_

Serial Number: \_\_\_\_\_

Purchasing Date: \_\_\_\_\_

Dealer: \_\_\_\_\_ Telephone: \_\_\_\_\_

User's Name: \_\_\_\_\_ Telephone: \_\_\_\_\_

Country: \_\_\_\_\_ Address: \_\_\_\_\_

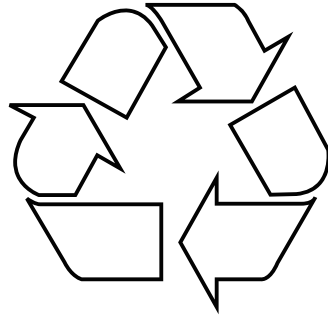
Post Code: \_\_\_\_\_ Email: \_\_\_\_\_

### Remarks:

1. This guarantee card should be kept by the user, no replacement if lost.
2. Most new products carry a two-year manufacturer's warranty from the date of purchase. Further details, pls read <http://www.retevis.com/after-sale/>
3. The user can get warranty and after-sales service as below:
  - Contact the seller where you buy.
  - Products Repaired by Our Local Repair Center
4. For warranty service, you will need to provide a receipt proof of purchase from the actual seller for verification

### Exclusions from Warranty Coverage:

1. To any product damaged by accident.
2. In the event of misuse or abuse of the product or as a result of unauthorized alterations or repairs.
3. If the serial number has been altered, defaced, or removed.



**Shenzhen Retevis Technology Co.,Ltd**

7/F, 13-C, Zhonghaixin Science&Technology Park, No.12 Ganli  
6th Road, Jihua Street, Longgang District, Shenzhen, China

EU Importer: Germany Retevis Technology GmbH

Address:Uetzenacker 29,38176 wendeburg

Web: [www.retevis.com](http://www.retevis.com)

E-mail: [kam@retevis.com](mailto:kam@retevis.com)

Facebook: [facebook.com/retevis](https://facebook.com/retevis)



MADE IN CHINA