GC550 Body Camera

User Manual

Hytera Communications Corporation Limited

Preface

Welcome to the world of Hytera and thank you for purchasing this product. This manual includes a description of the functions and step-by-step procedures for use.

This manual is applicable to the following product:

GC550 Body Camera

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Documentation Information

Documentation Conventions

Instruction Conventions

Icon	Description
TIP	Indicates information that can help you make better use of your product.
NOTE	Indicates references that can further describe the related topics.
CAUTION	Indicates situations that could cause data loss or equipment damage.
WARNING	Indicates situations that could cause minor personal injury.
DANGER	Indicates situations that could cause major personal injury or even death.

Notation Conventions

Item	Description	Example
Boldface	Denotes menus, tabs, parameter names, window names, dialogue names, and hardware buttons.	To save the configuration, click **Apply**.
		The **Log Level Settings** dialogue box appears.
		Press the **PTT** key.
" "	Denotes messages, directories, file names, folder names, and parameter values.	The screen displays "Invalid Battery!".
		Open "PSS.exe".
		Go to "D:/opt/local".
		In the **Port** text box, enter "22".
>	Directs you to access a multi-level menu.	Go to **File** > **New**.
Italic	Denotes document titles.	For details about using the DWS, refer to *Dispatch Workstation User Guide*.
`Courier New`	Denotes commands and their execution results.	To set the IP address, run the following command: `vos-cmd - m name IP`

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Key Operations

- Press: To press a key and release it immediately.
- Long press: To press and hold the key for one second.
- Press and hold: To press a key and keep holding it down.

1. What's in the Box

Please unpack carefully and check that all items listed below are received. If any item is missing or damaged, please contact your dealer.

Item	Qty.	Item	Qty.
Body Camera	1	Power Adapter	1
Battery	1	USB Type-C Data Cable	1
Belt Clip	1	/	/

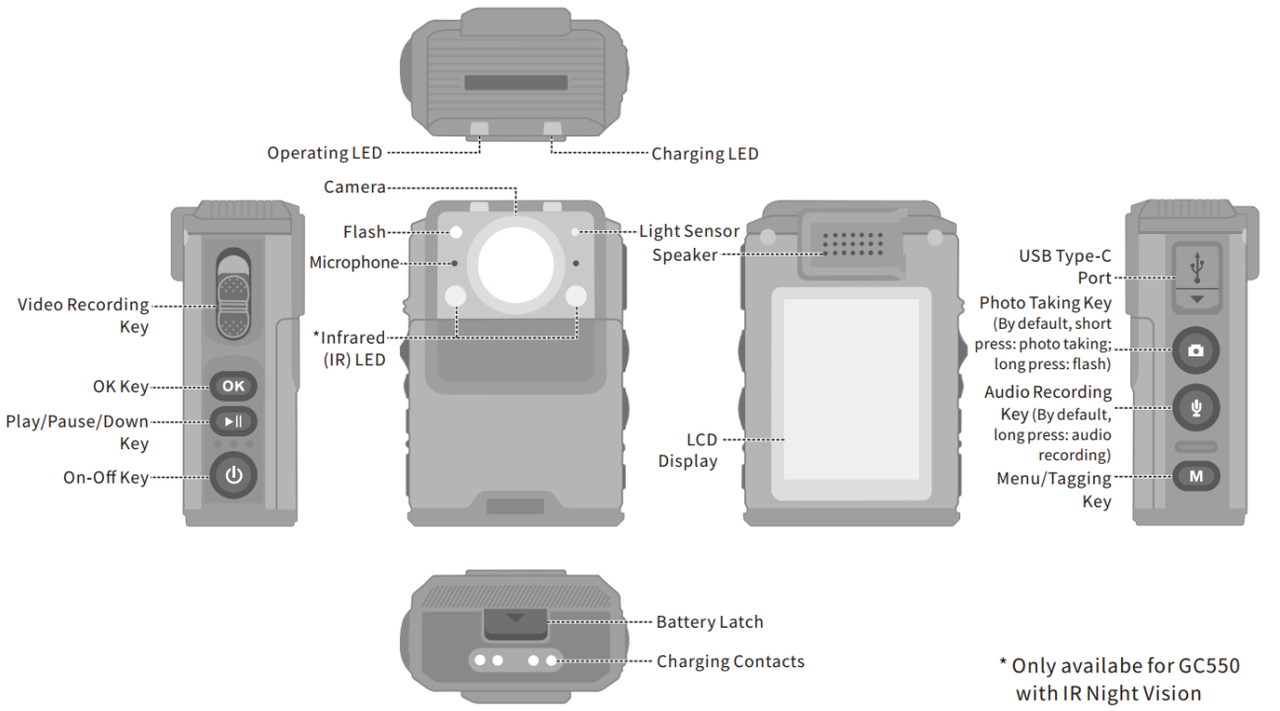
NOTE

Figures in this manual are only for reference.

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2. Know Your GC550

2.1 Product Layout



2.2 Key Function

You can learn about keys and their functions in the following table:

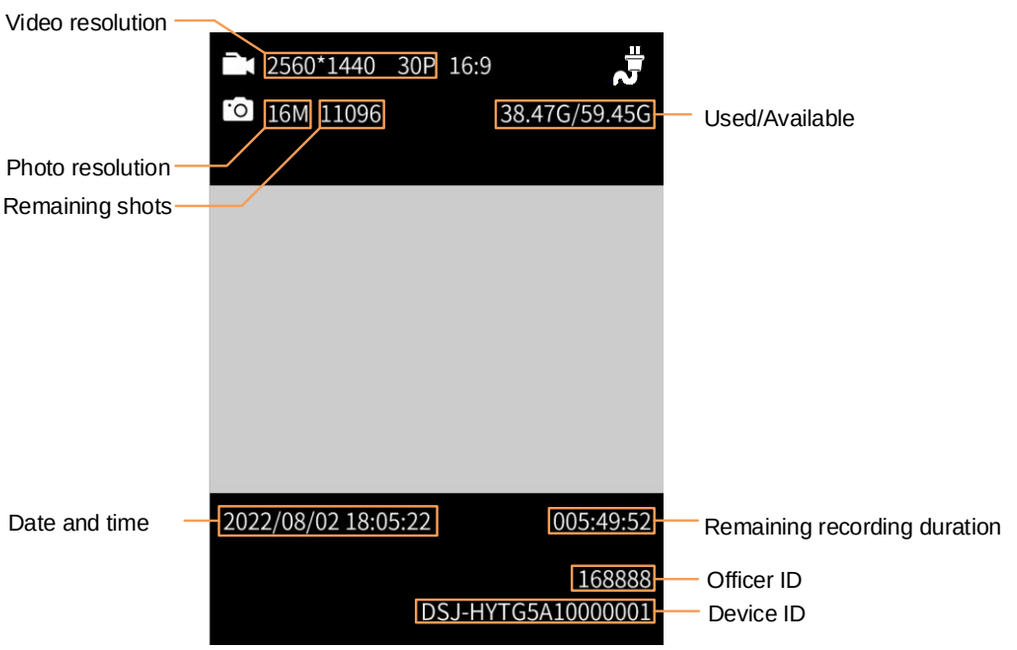
Key	Function (Short Press)	Function (Long Press)
OK	• Confirm an action • Fast forward a video • Rewind a video	/
▶II	• Play or pause a video or audio • Move downward • Zoom in or out	Lock/Unlock
⏻	Wake up the screen or make the screen go to sleep	Turn on or off the GC550
📷	Take a photo (by default)	Turn on or off the flashlight (by default)
🎙	/	Start or stop recording an audio (by default)

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Key	Function (Short Press)	Function (Long Press)
M	• Enter the **Settings** interface • Go back to the last interface • Tag or untag the video or audio	Start or stop emergency recording
Video Recording Key	• Toggle down: start recording a video • Toggle up: stop recording a video	

For enhanced convenience, you can contact your dealer to program and as shortcuts to body camera features.

2.3 Screen



2.4 LCD Icons

Icon	Description
	The GC550 is being charged.
	The GC550 is fully charged.
	The GC550 is connected to WLAN.
	The GC550 fails to connect to WLAN.
	The GC550 is ready to record a video.
	The GC550 is recording a video.

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Icon	Description
	The GC550 is in post-event recording status.
	The GC550 is in pre-event recording status.
	Photo taking is in standby status. The GC550 is ready to take a photo.
	The GC550 operates in the silent mode.
	Flashlight is enabled.
	The video is tagged.
	The GC550 is recording an emergency video.

2.5 LED Indicator

LED Indicator	Status	Description
Charging LED	Glows red	The GC550 is being charged and the battery power is below 90%.
	Glows green	The GC550 is fully charged.
Operating LED	Glows red	● The GC550 is being turned on or off. ● The GC550 is in standby status and the battery power is low.
	Flashes red	The GC550 is recording a video.
	Glows green	The GC550 is in standby status.
	Flashes orange	The GC550 is recording an audio.
	Glows orange	Exception occurs in data transmission.
	Flashes green	The GC550 is transmitting data.
	Flashes red and green alternatively	The GC550 is being upgraded.

3. Prepare Your GC550

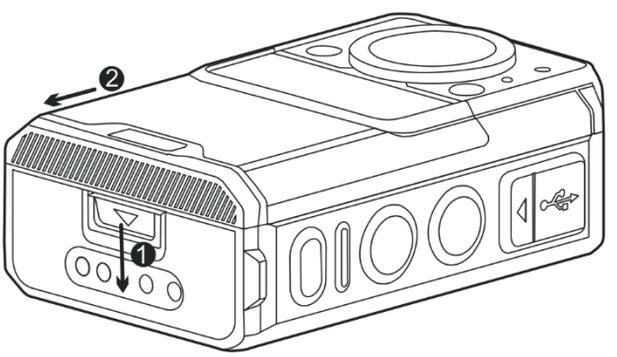
3.1 Attach the Battery

⚠ CAUTION

- Use only the Company's standard or optional battery. Polarity reverse or use of other batteries may result in explosion and fire hazards.
- Dispose of used batteries in accordance with the "Recycling and Handling Safety Precautions" in the *Safety Information Manual*.

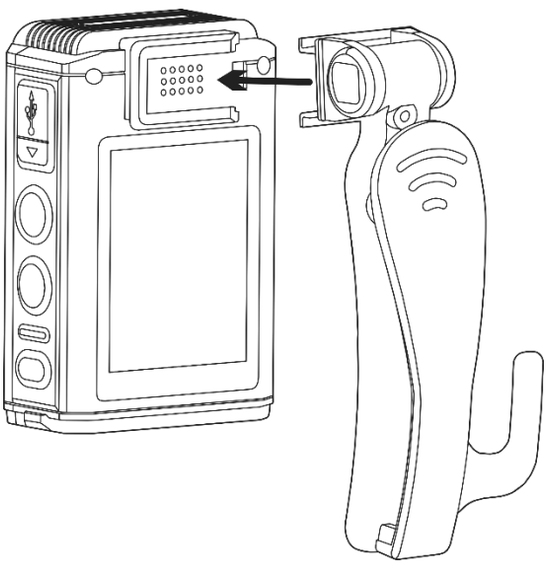
To attach the battery, do as follows：

1. Toggle down and hold the battery latch, and then press the battery cover backward to remove the cover.
2. Align the bottom of the battery with the top of the battery slot, with the metal contacts on the battery facing down.
3. Press the top of the battery down.
4. Push the battery cover back until you hear a click.



3.2 Attach the Belt Clip

To attach the belt clip, slide the belt clip leftwards to the slot.

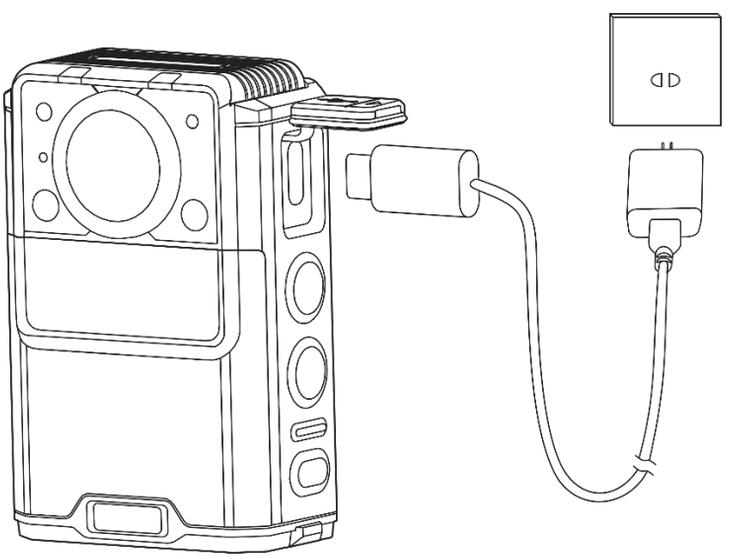


NOTE

To remove the belt clip, reverse the attaching step.

3.3 Charge the Battery

Connect the GC550 with the battery attached to power supply through the USB Type-C data cable and power adapter in the package.



You can learn about the charging status from the charging LED indicator. For details, see 2.5 LED Indicator.

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4. Get Started

4.1 Turn On or Off the GC550

To turn on or off the product, long press .

After being turned on, the GC550 enters the preview mode.

4.2 Wakeup and Sleep

Wakeup

To wake up the screen, press .

Sleep

You can manually make the screen go to sleep or let the screen automatically go to sleep.

- Manually

  Press .

- Automatically

  Set the automatic sleep time according to Sleep in 6.3 Screen.

  When the GC550 remains idle over the preset sleep time, the screen goes to sleep automatically.

4.3 Lock and Unlock

You can long press long press  to lock or unlock the screen.

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5. Use Your GC550

5.1 Record Videos

- Normal recording
  a. To start recording, in the preview mode, toggle the **Video Recording** key downwards.
  b. To stop recording, toggle the **Video Recording** key upwards.
- One-touch power-on and recording
  a. In power-off mode, toggle the **Video Recording** key downwards.
     The GC550 is turned on and starts recording.
  b. To stop recording, toggle the **Video Recording** key upwards.
- Strike recording
  a. (Optional) Set the sensitivity of the G sensor according to 6.4 Video.
     After detecting a strike, the GC550 automatically starts recording.
  b. To stop recording, toggle the **Video Recording** key downwards and then upwards.
- Motion detection recording
  a. Enable Motion Detection according to 6.4 Video.
     After detecting rapid motion, the GC550 automatically starts recording.
  b. To stop recording, toggle the **Video Recording** key downwards and then upwards.

During recording, you can do any of the following:

- To tag or untag the video, long press M.
- To take a snapshot, press .
- To zoom in or zoom out, press .
  You can zoom in the picture to 2x, 4x, 8x, 16x, 32x, 64x, or 128x.

NOTE

You can set Pre-event Record, Post-event Record, Split Time, and more. For details, see 6.4 Video.

5.2 Record Audios

1. To start recording, in the preview mode, long press .
2. (Optional) Press M to tag the audio as key evidence or untag the audio.
3. To stop recording, long press again.

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5.3 Take Photos

In the standby status or the preview mode, press .

NOTE

You can set Photo-taking Timer, Auto Photo-taking, and Burst Shot. For details, see 6.5 Photo.

5.4 Play Back

5.4.1 Enter the Media Library

1. In the preview mode, press OK to enter the password authentication interface.
2. Enter the password (initial password: "000000").
   a. Press ▶II to select a character, and then press OK.
   b. Repeat step a. until all characters are entered.
3. Press OK.

5.4.2 Play Back Videos

1. In the **Media Library** interface, select **VIDEO**, and then press OK.
2. Press ▶II to select the video, and then press OK.
3. Do any of the following:
   - To pause the video, press ▶II.
   - To fast forward the video, press OK.
     You can press OK multiple times to adjust the playback speed to 2x, 4x, 6x, 8x, or 16x.
   - To rewind the video, adjust the playback speed to 16x, and then press OK again.

5.4.3 Play Back Photos

1. In the **Media Library** interface, press ▶II to select **PHOTO** , and then press OK.
2. Press ▶II to select the photo, and then press OK.
3. (Optional) Press ▶II to view the next photo.

5.4.4 Play Back Audios

1. In the **Media Library** interface, press ▶II to select **AUDIO**, and then press OK.
2. Press ▶II to select the audio, and then press OK.

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3. (Optional) To pause the audio, press .

5.5 Emergency Recording

To start or stop an emergency recording, long press .

5.6 Flashlight

To enable or disable Flashlight, long press .

6. System Settings

In the preview mode, press M to enter the **Settings** interface, and then configure the following parameters according to actual conditions.

6.1 Basics

Language

You can set the interface language to **English** or 简体中文 (Simplified Chinese).

1. Press ▶II to select **Language**, and then press OK.
2. Press ▶II to select the language, and then press OK.

Auto Power-Off

To disable Auto Power-off, or set the auto power-off time, do as follows:

1. Press ▶II to select **Auto Power-Off**, and then press OK.
2. Press ▶II to select **Off**, **1 Min**, **3 Min**, or **5 Min**, and then press OK.

Silent Mode

With Silent Mode enabled, the GC550 gives no audible alerts, the indicator does not light, and the screen goes dimmest to keep the GC550 unnoticeable.

To enable or disable Silent Mode, do as follows:

1. Press ▶II to select **Silent Mode**, and then press OK.
2. Press ▶II to select **On** or **Off**, and then press OK.

Reset

To reset the GC550 to factory settings, do as follows:

1. Press ▶II to select **Reset**, and then press OK.

   The screen displays **Need reboot!**.
2. Press ▶II to select O, and then press OK.

Account

You can view the user name, user ID, unit name, and unit ID.

To view account information, press ▶II to select **Account**, and then press OK.

Device Information

You can view the device name, device ID, serial number (SN), storage capacity (total space and available space), main chip, and software version.

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To view device information, press ▶II to select **About Device**, and then press OK.

6.2 Sound

Tone

To set system tone, do as follows:

1. Press ▶II to select **Tone**, and then press OK.
2. Press ▶II to select **Off**, **Voice broadcast**, or **On**, and then press OK.

Key Tone

To enable or disable Key Tone, do as follows:

1. Press ▶II to select **Key Tone**, and then press OK.
2. Press ▶II to select **On** or **Off**, and then press OK.

Volume

To set system volume, do as follows:

1. Press ▶II to select **Volume**, and then press OK.
2. Press ▶II to select **Off**, **Low**, **Medium**, or **High**, and then press OK.

Vibration

To enable or disable Vibration, do as follows:

1. Press ▶II to select **Vibration**, and then press OK.
2. Press ▶II to select **On** or **Off**, and then press OK.

6.3 Screen

Brightness

To adjust screen brightness, do as follows:

1. Press ▶II to select **Brightness**, and then press OK.
2. Press ▶II to select **High**, **Middle**, or **Low**, and then press OK.

Sleep

If the GC550 remains idle over the preset sleep time, the screen automatically goes off to save battery power.

To set sleep, do as follows:

1. Press ▶II to select **Sleep**, and then press OK.
2. Press ▶II to select **Off**, **10 SEC**, **20 SEC**, or 3**0 SEC**, and then press OK.

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6.4 Video

Video Resolution

You can set the video resolution to **2560 x 1440 30P**, **1920 x 1080 30P**, **1280 x 720 30P**, or **848 x 480 30P**. The higher the resolution is, the larger the video file is.

To set video resolution, do as follows:

1. Press ▶II to select **Video Resolution**, and then press OK.
2. Press ▶II to select the resolution, and then press OK.

Video Quality

To set video quality, do as follows:

1. Press ▶II to select **Video Quality**, and then press OK.
2. Press ▶II to select **High**, **Medium**, or **Low**, and then press OK.

Video Encoding Format

To set video encoding format, do as follows:

1. Press ▶II to select **Video Encode Format**, and then press OK.
2. Press ▶II to select **G1.0** or **G2.0**, and then press OK.

Pre-event Recording

Pre-event Recording enables the GC550 to capture a period time of footage before you toggle the **Video Recording** key downwards.

Pre-event recording time differs under different video resolutions:

Video Resolution	Maximum Pre-event Recording Time
2K	10s
1080p	15s
720p	20s
480p	30s

To enable or disable Pre-event Recording, do as follows:

1. Press ▶II to select **Pre-event Record**, and then press OK.
2. Press ▶II to select **On** or **Off**, and then press OK.

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Post-event Recording

Post-event Recording enables the GC550 to continue to record for a preset duration after you toggle the **Video Recording** key upwards.

To set post-event recording, do as follows:

1. Press ▶II to select **Pre-event Record**, and then press OK.
2. Press ▶II to select **Off**, **10 Sec**, **20 Sec**, **30 Sec**, **1 Min, 2 Min**, or **30 Min**, and then press OK.

Motion Detection

With Motion Detection enabled, after detecting the rapid motion, the GC550 automatically starts recording. When the picture is back to the stable state, the recording will continue for 15 seconds and then stop automatically.

To enable or disable Motion Detection, do as follows:

1. Press ▶II to select **Motion Detection**, and then press OK.
2. Press ▶II to select **On** or **Off**, and then press OK.

Sensitivity of the G Sensor

To set the sensitivity of the G sensor, do as follows:

1. Press ▶II to select **G Sensor Sensitivity**, and then press OK.
2. Press ▶II to select **Off**, **High**, **Mid**, or **Low**, and then press OK.

IR LED

To disable or enable IR LED, do as follows:

1. Press ▶II to select **IR LED**, and then press OK.
2. Press ▶II to select **Off**, **On**, or **Auto**, and then press OK.

   In the Auto mode, the GC550 automatically turns on the IR LED when it detects low ambient light during recording.

Split Time

Split Time allows you to set the duration of every video clips. If the recording time is more than what you set, the video will be stored in clips. For example, if you set the duration to 5 minutes and then you record for 15 minutes, you will get three video clips each of which lasts 5 minutes.

To set split time, do as follows:

1. Press ▶II to select **Split Time**, and then press OK.
2. Press ▶II to select **5 Min**, **10 Min**, or **15 Min**, and then press OK.

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Auto Storage Cleanup

With Auto Storage Cleanup enabled, the GC550 will clear the earliest untagged videos to save the latest videos when the storage is full.

To enable or disable Auto Storage Cleanup, do as follows:

1. Press ▶II to select **Auto Storage Cleanup**, and then press OK.
2. Press ▶II to select **On** or **Off**, and then press OK.

6.5 Photo

Photo Resolution

You can set the photo resolution to **4 M**, **8 M**, **16 M**, **32 M**, or **40 M**. The higher the resolution is, the larger the photo file is.

To set photo resolution, do as follows:

1. Press ▶II to select **Photo Resolution**, and then press OK.
2. Press ▶II to select the resolution, and then press OK.

Photo-taking Timer

To set photo-taking timer, do as follows:

1. Press ▶II to select **Photo-taking Timer**, and then press OK.
2. Press ▶II to select **Off**, **5 Sec**, or **10 Sec**, and then press OK.

Auto Photo-taking

To set auto photo-taking, do as follows:

1. Press ▶II to select **Auto Photo-taking**, and then press OK.
2. Press ▶II to select **Off**, **5 Sec**, or **10 Sec**, and then press OK.

Burst Shot

To set burst shot, do as follows:

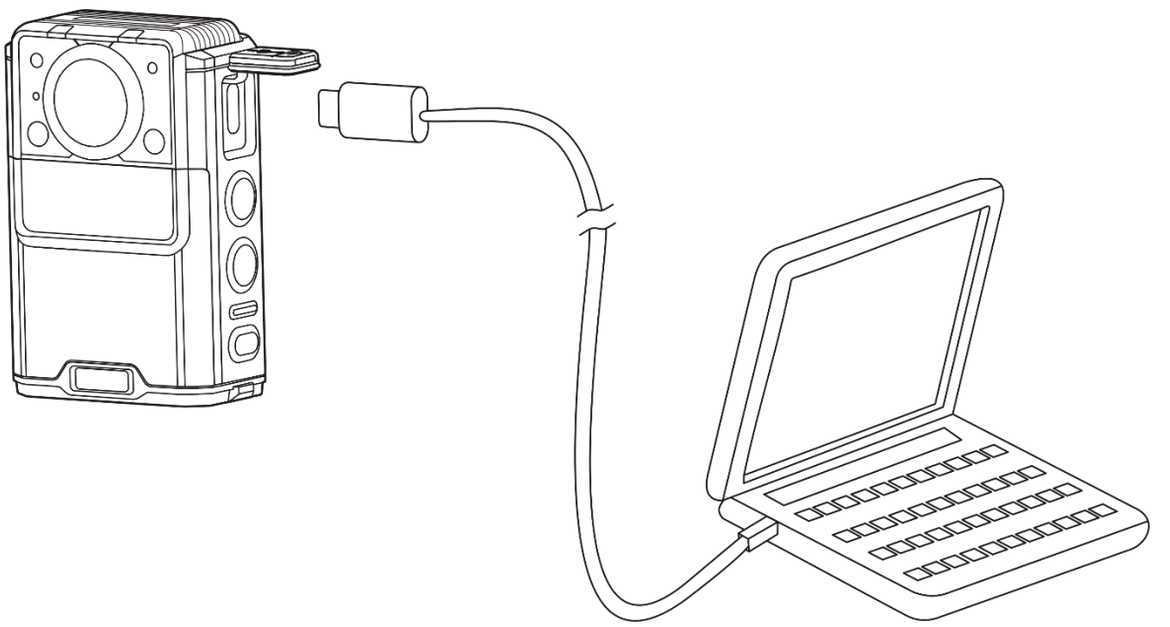
1. Press ▶II to select **Burst Shot**, and then press OK.
2. Press ▶II to select **Off**, **2**, **3**, **5**, or **10**, and then press OK.

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7. Collect Data from Your GC550

You can switch the GC550 into disk mode through the BWC Manager, and then copy photos, audios, and videos to your PC. For details on the operations, in the upper right corner of the BWC manager interface, click **Help**.

To connect the GC550 to your PC, do as the following figure:



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8. Troubleshooting

Phenomena	Analysis	Solution
The product cannot be turned on.	The battery may be improperly attached.	Reattach the battery.
	The battery may run out.	Recharge or replace the battery.
	The battery and the charging probes are in poor contact due to dirtied or damaged battery contacts.	Clean the battery contacts.
The volume is low when you play back audios or videos.	The microphone or the speaker may be blocked or damaged.	Clean the microphone or the speaker.
The GC550 cannot record videos.	The storage may be full.	• Back up the data according to 7. Collect Data from Your GC550, and then delete the data from the GC550. • Enable the Auto Storage Cleanup feature.
The GC550 cannot take photos or record audios.	The storage may be full.	Back up the data according to 7. Collect Data from Your GC550, and then delete the data from the GC550.
The GC550 cannot perform pre-event or post-event recording.	The Pre-event Recording or Post-event Recording feature may be not configured.	Configure the corresponding feature through the BWC Manager.
The GC550 does not turn on the IR LED automatically when recording a video in dark environment.	The IR LED feature may be not enabled.	Enable the IR LED feature.
The GC550 gives no alert tone, the indicator does not light up, and the screen goes dimmest.	The Silent Mode may be enabled.	Disable the Silent Mode.

The GC550 gives no response to operations.	The GC550 may be crashed.	Remove and reattach the battery, and then turn on the GC550.

If the above solutions cannot fix the problems, or you may have some other queries, please contact us or your local dealer for more technical support.

9. Care and Cleaning

To guarantee optimum performance as well as a long service life of the product, please follow the tips below.

Product Care

- Do not pierce or scrape the product.
- Keep the product away from substances that can corrode the circuitry.
- Do not hold the product by the connection cable.
- Keep the USB Type-C port covered when it is not in use.

Product Cleaning

⚠ CAUTION

- Turn off the product and remove the battery before cleaning.
- Make sure the product is completely dry before use.

- Clean up the dust and fine particles on the product's surface with a clean and dry lint-free cloth or a brush regularly.
- Use neutral cleanser and a non-woven fabric to clean the keys and surface after long-time use. Do not use chemical preparations such as stain removers, alcohol, sprays or oil preparations, so as to avoid surface damage.

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10. Optional Accessories

CAUTION

Use the accessories specified by the Company only. Otherwise, we shall not be liable for any losses or damages arising out of the use of any unauthorized accessories.

Contact your local dealer for the optional accessories of the product.

11. Abbreviations

Abbreviation	Full Name
LED	Light Emitting Diode
USB	Universal Serial Bus
WLAN	Wireless Local Area Networks

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