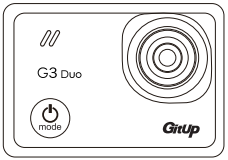
Action Camera **G3 Duo**

User Manual



GitUp Ltd.

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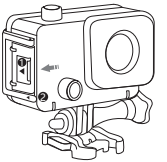
Opening the Case

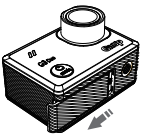
1. Press the latch release ❶
2. Pull open the front of the latch ❷
3. Unlock the back of the latch
4. Open the back cover



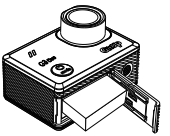
About Camera Case

The included camera case provides rugged protection for your camera, the case is water-resistant up to 30 meters and is suitable for extreme outdoor activities and deep-water diving.
There is also a skeleton case sold separately. It features open side, which allows direct access to the camera's ports for charging, live-feed video, attaching external microphone, GPS module and slave camera. The design also enables enhanced cooling and optimal audio capture during low-speed activities. The skeleton case is suitable for rain and light splashes but not suitable for deep-water sports.

Charging the Battery



Press to unlock the battery cover, then push it out.



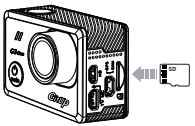
Rechargeable battery

1. Remove the camera from the waterproof housing (if it's in the waterproof housing).
2. Open the battery cover and insert the battery (normally a battery is already installed).
3. Charging the battery by connecting the camera to a computer or other USB charging adapter using the included USB cable. The camera status light turns on during charging.

Note: Using wall chargers marked: output 5V 1A. If you don't know the voltage and current of your charger, use the included USB cable to charge the camera from your computer or a power bank.

Inserting / Removing Memory Cards

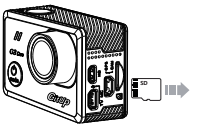
To Insert the microSD Card:



Slide the memory card into the card slot with the label facing the back of the camera.

When fully inserted, the card clicks into place.

To Remove the microSD Card:

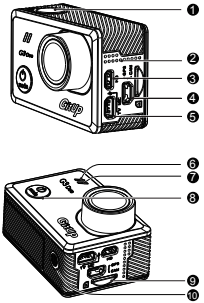


Place your fingernail against the edge of the memory card and lightly press it further into the camera.

The card springs out far enough to be removed.

Note: The microSD card is sold separately. The microSD card must have a Class-10 or UHS-I rating and the capacity up to 128GB.

Camera Overview



1. Shutter Button
2. Cooling Hole
3. HDMI Port
4. Mini-USB Port (supports external GPS module / external slave camera)
5. Mini-USB Port (supports composite A / V cable, 3.5mm mic adapter, not included)
6. Front LED 1
7. Front LED 2
8. Power / Mode Button
9. MicroSD Card Slot
10. Selfe Stick / Tripod Mount
11. Back LED
12. Touch Display

Status LEDs

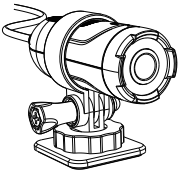
There are 4 LEDs on the camera, the default status is showed as below, and also user can turn on or off LED in the menu.

Status	LED Activity			
	Front LED 1	Front LED 2	Top LED	Back LED
The camera is powered on and in standby mode	Solid Red	/	Solid Red	Solid Red
The camera is recording	Flashing Red	/	Flashing Red	Flashing Red
In photo mode	/	Solid Green	Solid Red	Solid Red
A photo taken	/	Flashing Green Once	Solid Red	Solid Red
Battery charging	Solid Red	/	Flashing Red	Flashing Red
Battery charging completed	/	Solid Green	/	/
Firmware upgrading	/	Flashing Green	Flashing Red	Flashing Red

Slave Camera

With slave camera, you can get the largest possible field of view, and have better video quality in low light condition. Both the main camera and slave camera work in 1080P@30fps mode while the slave camera attached, the picture from the slave-view camera will display on the LCD screen.

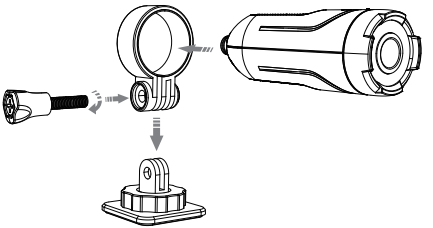
Note: The slave camera is sold separately.



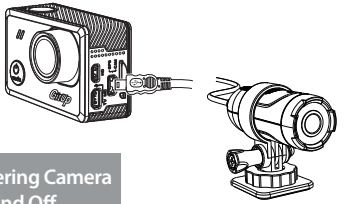
Connecting the Slave Camera

Connecting the slave camera with main camera will enable you to capture a larger field of view.

1. First follow the below instructions to setup the slave camera.



2. Then connect the slave camera with the main camera using the cable included.



Powering Camera On and Off

To Power on: Hold the Power button for 3 seconds.
To Power off: Hold the Power button for 4 seconds.

Note:

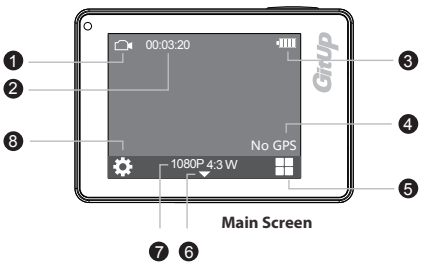
1. To prevent loss of data, always turn off the camera before removing the battery or memory card.
2. The camera will automatically turn off after removing the memory card or battery.

Powering the Camera On and Off Using the Quick Capture

With Quick Capture, you can quickly turn your camera on and begin capturing video or Time Lapse photos. The options for this setting are On (default) and Off.

With quick capture, you can press and release shutter button to turn the camera on and immediately start recording video, it turns off automatically when you press shutter button to stop the recording.

Touch Display Overview



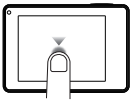
Main Screen

The touch display provides information for current modes and settings.

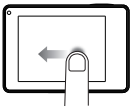
1	Display the camera mode
2	Left recording time / Elapsed time
3	Battery indicator
4	GPS status
5	Go to video / photo settings
6	Select to open the main menu
7	Display the resolution
8	Go to the system settings

Touch Display Gestures

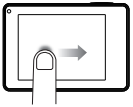
Use these gestures to navigate the touch display. When swiping, swipe from the edge of the screen.



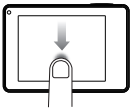
Tap
Enter the main menu, system settings and Video/Photo settings.



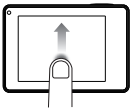
Swipe Left
Change capture mode.



Swipe Right
Change the view for main and slave camera.



Swipe Down
Swipe down to open the quick settings, enable or disable Wi-Fi, bluetooth, etc. From setting menu, select an item, swipe down to choose an option. Otherwise, swipe down to return to the main screen.



Swipe Up
From setting menu, select an item, swipe up to choose an option. Otherwise, swipe up to return to the main screen.

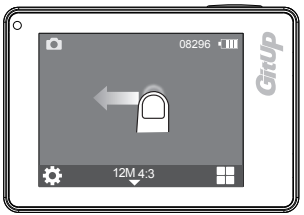
Change Camera Mode

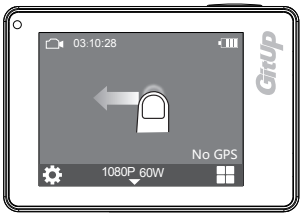
There are three camera modes, Video, Photo and Playback. You can choose the camera mode in the main menu, press mode button or swipe left to change the capture mode.

• Touch [▼] to enter main menu and choose the camera mode.

Main Menu

• Swipe left on the main screen to change the capture mode.





• Press mode button [ ] to change the capture mode.

Video

Recording a Video

Quick Capture is the fastest way to capture video or Time Lapse photo with G3 Duo. Because the camera is powered on only when it is capturing, you also conserve battery power.

Recording Video with Quick Capture

1. Press the shutter button to start recording.
If the camera is off, it turns on and begins recording automatically, and the red LED will be flashing while the camera is recording.
2. Press the shutter button again to stop recording.
The video is saved on the memory card as a MP4 file.
Quick Capture is on by default, but you can turn it off in the system setting if needed.

PIP Mode

There are four modes for preview and recording for G3 Duo while the slave camera attached.
Note: Picture in picture (PIP) mode is available only while the slave camera attached.

Mode	Description
Main + Slave (Top Left)	Show preview video for main and slave camera on the LCD screen, the slave camera preview is on the top left side.

Slave + Main (Top Left)	Show preview video for main and slave camera on the LCD screen, the main camera preview is on the top left side.
Main Only	Show preview video for main camera only on the LCD screen.
Slave Only	Show preview video for slave camera only on the LCD screen.

▪ Change View for Main and Slave Camera

Slide right on the main screen to change video preview mode (four modes as described above).

▪ Recording Video for Main and Slave Camera

With the slave camera attached, you can preview the video of main and slave camera in PIP (picture in picture) mode on the LCD Screen. The LED on slave camera is solid red, and flashing red while it is recording. The G3 will record two separate files in the microSD card, the file name for main camera is XXXX-A, for slave camera is XXXX-B. After unplugging the slave camera, the main camera video resolution will switch to 1080P @60fps automatically.

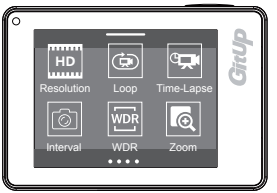
Note:

If you connect the slave camera while the main camera is recording, the main camera will stop recording automatically and then show video preview in PIP mode.

If the battery power becomes very low while recording video, the camera will automatically stop recording, saves the video and safely turns off. Please stop recording first before you unplug the slave camera.

▪ Video Settings

Touch [ ] to enter the main menu and select the [ ] or swipe left to change to video mode, then select [ ] to go to video settings.



Resolution: Set the resolution of the video, resolution refers to the number of horizontal lines in the video.

Use this table to help you determine the best resolution for your activity.

The video resolution is the width and height of the video in pixels. The aspect ratio is the ratio of the video width to the video height. Frames per second (FPS) refers to the number of video frames that are captured in each second.

Mode	Video Resolution (pixels)	Aspect Ratio	FPS	FOV
Recording video for main camera only.	2160P (2880 x 2160)	16:9	24	Wide, Zoom
	2160P (2880 x 2160)	4:3	24	Wide, Zoom
	1440P (2560 x 1440)	16:9	30	Wide, Zoom
	1440P (1920 x 1440)	4:3	30	Wide, Zoom
	1296P (2304 x1296)	16:9	30	Wide, Zoom
	1080P (1920 x 1080)	16:9	60, 30	Wide, Zoom
	1080P (1440 x 1080)	4:3	30	Wide, Zoom
	720P (1280 x 720)	16:9	120, 60, 30	Wide, Zoom
	WVGA (848x 480)	16:9	30	Wide, Zoom
	VGA (640x 480)	4:3	240	Wide, Zoom
Recording video for main and slave camera both	Main camera:1080P (1920 x 1080) Slave camera: 1080P (1920 x 1080)	16:9	30	Wide

Loop: Enable loop recording and set the camera to record in various intervals (2, 3, 5, 10 minutes, etc).

Time-lapse: Set the time interval for Time Lapse mode. Time Lapse Video record video from frames captured at specific intervals, creating a Time Lapse movie without the need to stitch all of the photos together. This enables you to capture long-term action that is ready for playback or sharing immediately.

Interval: Take video snapshot at set time intervals while recording.

WDR (Wide Dynamic Range): Dynamic range is the ratio of the brightest portion of the image to the darkest portion of the image. WDR enables the camera to deliver video with near perfect exposure in varying lighting situations.

ZOOM: It zooms in on the center of the shot, good for capturing content at a distance, change the zoom value according to the distance between the camera and object.

Gyro: Turn on video stabilization to reduce shake video. It will produce smoother footage especially for cycling, driving, and walking. The options for this setting are On and Off (Default).

Sharpness: Sharpness controls the sharpness of your video footage . You can use High option for an ultra-sharp look, the Medium option for moderate sharpness, or the Low option for a softer look.

WB (White Balance): White balance adjusts the overall color tone of videos. The camera can automatically adjust the white balance or you can manually adjust the white balance.

WB Custom: Custom White Balance is for even more accuracy in color balancing. It is a quick, easy, and accurate way to help correcting for scene's color temperature and neutralize the whites, grays, and blacks.

Exposure: Exposure value (EV) affects the level of brightness of your video. Adjusting this setting can improve image quality when shooting in environments with contrasting lighting conditions.

Metering: The metering mode refers to the way in which the camera determines the exposure. Various metering modes are provided to allow the user to select the most appropriate one for use in a variety of lighting conditions.

Color: Color allows you to adjust the color profile of your video footage or photos.

Conrast: Contrast is the scale of difference between black and white in your video. The settings from "Low to High". High contrast video will have bright highlights and dark shadows, bold colours. Low contrast video will have a narrow range of tones.

Bitrate: You can set the bitrate for video. High bitrate may improve the quality and smoothness of the video, especially when recording fast motion or high contrast scenes. Using high bitrate mode may decrease the amount of recording time available on your memory card. Using low bitrate will save space and record for longer time.

Microphone: Set the sensitivity of microphone. The settings from "Low to High" determine the sound level.

Motion Det: Enable motion detection mode. When this feature is activated, recording will begin if there is movement in front of the camera. Once the camera does not detect movement for 60 seconds, recording will stop and the device will switch to detect mode. The device will record again if it will detect a new movement in front of the camera.

G-sensor: The G-sensor measures shock forces. The settings from "Low to High" determine the amount for force needed to lock the file from being overwritten. If the file is locked while recording, there will be [ ] on the screen.

Stamp: Add a date stamp to your video.

GPS Stamp: Add GPS stamp to your video. The GPS information include speed, coordinates. The options for this setting are All Info, Speed, Coordinates.

Photos

Taking a photo

Photo captures either Single, Sequence or Continuous photo.
In quick capture mode, while the camera is powered off, hold down the shutter button to power on the camera and release until the camera start to take photos in Time Lapse mode.
All photos are captured at 12MP or 8MP for main camera, and 2MP for slave camera if attached.

Photo Settings

From the main screen, touch [ ] to enter the main menu and select the[ ]or swipe left to change to photo mode, then select [ ] to go to photo settings.

Image Size: Set the capture image size, 12MP (default), 8MP.
Mode: Set the mode of photo, take single, continuous or sequence photos when pressing shutter button.
• Single: Enables you to take a single photo using automatic exposure.
• Continuous: Capture a series of photos continuously while holding down the Shutter button until you release the shutter button.
• Burst: enables capturing a sequence of photos in one second. The options for Burst are 3 Sequence, 10 Sequence in a second.
Shutter: Shutter speed lets you determine the amount of time that the shutter is open. The default option is Auto(Not support in continuous and sequence mode).
Interval: The interval setting applies to continuous photos. Interval determines the amount of time that passes between each photo.
Self -Timer: Set the timer to delay taking a photo.
ZOOM: It zooms in on the center of the shot, good for capturing content at a distance, change the zoom value according to the distance between the camera and object.
Sharpness: Sharpness controls the sharpness of your photos. You can use High option for an ultra-sharp look, the Medium option for moderate sharpness, or the Low option for a softer look.
WB (White Balance): White balance adjusts the overall color tone of photos. The camera can automatically adjust the white balance or you can manually adjust the white balance.
WB Custom: Custom White Balance is for even more accuracy in color balancing. It is a quick, easy, and accurate way to help correcting for scene's color temperature and neutralize the whites, grays, and blacks.
Exposure: Exposure value (EV) affects the level of brightness of your photo. Adjusting this setting can improve image quality when shooting in environments with contrasting lighting conditions.

Metering: The metering mode refers to the way in which the camera determines the exposure. Various metering modes are provided to allow the user to select the most appropriate one for use in a variety of lighting conditions.
ISO: You can set the camera's sensitivity in low-light environments, and creates a balance between brightness and resulting image noise. The camera automatically uses the best ISO level for the lighting conditions, higher ISO values have brighter photo in low light and more visible noise, lower ISO values have darker photo in low light and reduced image noise.
Color: Color allows you to adjust the color profile of your photos.
Contrast: Contrast is the scale of difference between black and white in your photo. The settings from "Low to High". High contrast photos will have bright highlights and dark shadows, bold colours. Low contrast photos will have a narrow range of tones.
Stamp: Add a date stamp to your photo.
GPS Stamp: Add GPS stamp to your video. The options are All Info, Speed, Coordinates, The GPS information include speed, coordinates.
RAW: When this setting is turned on, it will take .jpg image for immediate viewing and RAW photo. RAW Format is only available for the photo capture mode. RAW Format is not available when capturing continuous or sequence photos. The options for this setting are Off (default) and On.

Playback

From the main screen, touch [ ] to enter the main menu and select the [ ], then you will get into the playback screen.

You can play back your content on the camera's touch display, your computer, TV, or smartphone/tablet.
You can also play back content by inserting the microSD card directly into a device, such as a computer or compatible TV. With this method, playback resolution depends on the resolution of the device and its ability to play back that resolution.

Viewing Videos and Photos on Your Camera

1. From the main menu, select Playback.
2. Select a video or photo to play.
3. Select an option:

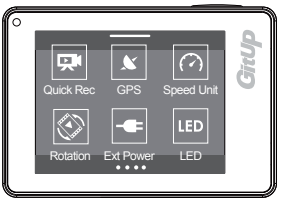
a) To view the previous or next items, select [ ]or[ ].
b) To play or pause a video, select [ ] or [ ].
c) To delete the photo or video, select[ ].

Viewing Videos and Photos on a HDTV

Playing back videos and photos on your HDTV let you directly view the content in your camera on a large screen.
You can output HDMI Video or composite video on your HDTV. For outputting HDMI video, you must have a micro HDMI cable, for outputting composite video, you must also have a RCA composite video cable.
The camera support outputting video while recording.

System Settings

From the main screen, select [ ] to get into system settings.



Quick Rec: With Quick Rec, you can quickly turn your camera on and begin capturing video or Time Lapse photos. The options for this setting are On (Default) and Off.
GPS: Enable the camera to receive GPS satellite signals, the camera records GPS position data at all times when GPS is on, the data is collected by external GPS module. The options for this setting are On (Default) and Off.
Speed Unit: You can set the unit of speed. The options for this setting are MPH and KM/H.
Rotation: If you mount your camera upside down, you might have to rotate the files during editing. This setting eliminates the need to flip your video or photos after recording. The options for this setting are Both Off (Default), Both On, Front On, Rear On.

Ext Power (External Power): Set the camera to go to the Charge, Power On or Recording mode while the external charger connected.
LED: Set which status lights blink. The options are All LED On (default), All LED Off, Front LED On, Front LED Off and Back LED On.
OSD: The OSD (on-screen display) info setting determines whether the recording icons and file information on video and on the viewing screen appear during playback. The options for this setting are On (default), Record Dot (only show the recording indicator icon) and Off.
Beep: Set the camera to beep or not while press the button.
Lock: Turns off the touch display after a period of inactivity to save battery life. The options are 15 Seconds, 1 Minute (default), 3 Minutes, 5 Minutes, and Off. To turn on the touch display again, press any of the button on the camera.
Auto Off: Powers off your camera after a period of inactivity to save battery life. The options are 1 Minute, 3 Minutes (default), 5 Minutes, 10 Minutes, 15 Minutes, 30 Minutes, 60 Minutes, and Off.
TV Mode: TV Mode setting is mainly for watching the video on TV/HDTV to control the video frame rate of the recording.
NTSC: Watch the video on the area of North America.
PAL: Watch the video on the PAL/HDTV (apply to the most of TV except the area of North America).
Frequency: This setting allows you to set the light frequency to avoid flickering issue of videos.
Note: 60Hz in US and Canada and 50Hz in other countries.
Language: Set the on-screen text language.

Set Time: Set the date and time for your camera. The date and time are automatically updated when you connect your camera with GPS module and GPS feature enabled.
Zone: Set the time zone. The time zone affects the date format and time stamp.
Date Format: Set the camera to show dates in a YY/MM/DD, or DD/MM/YY, or MM/DD/YY format.
Format: To keep your microSD card in good condition, format it on a regular basis.
Note: Formatting erases all of your content, so be sure to offload your photos and videos first.
Reset: This option resets all of your camera settings to the defaults.
Version: Displays the firmware information.

Quick Settings

From the main screen, swipe down to enter the quick settings.

In Quick settings, you can find the frequently used settings.

Wi-Fi: Turn On / Off Wi-Fi.

Bluetooth: Turn On / Off Bluetooth.

Lock: Turn off the touch display instantly to save battery life.

EV Lock: Lock the Exposure Value.

Gyro: Turn On / Off Gyro stablization. It helps the footage stay clear and stable in situations where the camera is subject to knocks and bumps. The options for this setting are On and Off (Default).

Auto Off: Powers off your camera instantly.

Connecting GPS Module

With the GPS module connected, it will enable you to capture the location where your videos and photos were taken. The ultra-fast 10X GPS processor allows to update GPS data quickly, recording your moving data precisely.

Note: You can download the Dashcam Viewer (https://dashcamviewer.com/) to playback the GPS data.

Connecting External Microphone

An external microphone can provide enhanced audio for your captured video. You can use GitUp external microphone (sold separately).

Note: The G3 does not support external stereo microphone.
When you enable and connect an external microphone, the camera records audio from both the external microphone and the built-in microphone.

Wireless

▪ Wi-Fi Remote Control

The GitUp app allows you to control your camera remotely using a smartphone or tablet. Features include full camera control, live preview, playback and video / photo download.

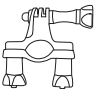
1. Enable the Wi-Fi
From the main screen, swipe down to enable the Wi-Fi features. When Wi-Fi is on, a Wi-Fi status icon appears on the camera main screen.
Note: When Wi-Fi is on, only the swipe down gesture is available and you can only set your camera with your phone.
2. To connect your camera with GitUp for action app
a) Download and install the GitUp app to your smartphone/tablet.
b) Power on the camera and enable the Wi-Fi.
c) Connect to the Wi-Fi connection names GITUP-xxxxxxxx.
d) Open the app, click the Connect, the app will automatically search the camera, it will show live preview once connected.
Note: The default Wi-Fi password is 12345678.

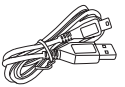
▪ Bluetooth Remote Control

With the Bluetooth remote control, you can remotely control the GitUp camera to start / stop recording, take photos.
From the main screen, swipe down to enable the bluetooth features. When bluetooth is on, the camera will search the bluetooth remote control automatically, normally it will take about 3 to 5 seconds for pairing with remote control.

Package Included


Waterproof Case

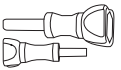

Bar Mount


USB Data/Charging Cable


Flat Adhesive Mount


Curved Adhesive Mount


Connector


Mount Fastener

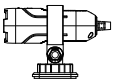

Tripod Mount


Adapter


Lens Cover

Optional Accessories

Skeleton Case



Slave Camera

Slave Camera with GPS Module

GPS Module

Battery

External Microphone

A/V Cable

FPV Cable

Composite A/V Cable

External Microphone and Charging Cable

Customer Support

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