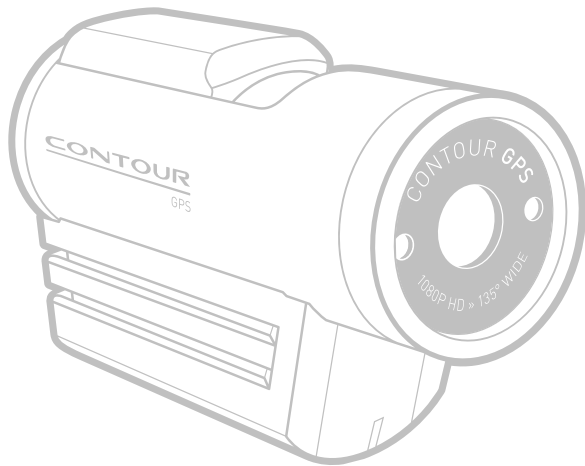


CONTOURGPS

+ QUICKSTART GUIDE



Getting to know your Camera

What's In The Box?

The ContourGPS camera comes with:

- Camera
- 2GB microSD Card
- 2 Rotating Surface Mount
- 1 Goggle Mount
- 1 Li-ion Battery
- 1 USB Cable
- 1 Lens Cap



Contour GPS
Camera



MicroSD
Card (2GB)



Flat Surface
Mount



Goggle
Mount



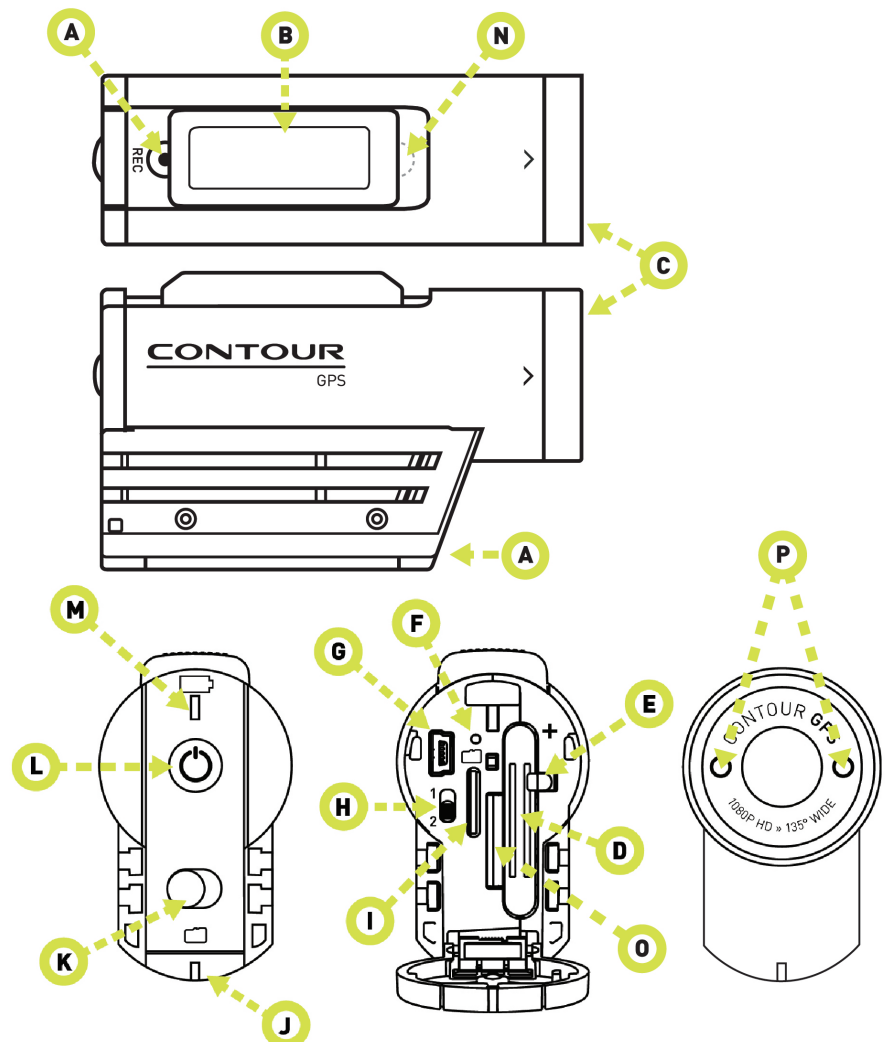
Rechargeable
Battery



USB
Cable

About The Camera

- A** Record/GPS Status
- B** Record Switch
- C** Rotating Lens
- D** Battery Slot
- E** Battery Latch
- F** Card Format Button
- G** USB port
- H** Format Switch
- I** microSD card slot
- J** Memory Status
- K** Door Lock
- L** Battery Status
- N** Update Button
- O** Connect View Slot for Apple
- P** Lasers



Set Up The Camera

Getting your camera ready to record takes just a few simple steps.

- 1)** Open the back door of the camera by sliding the lock switch to the left and then sliding the whole door up. When the white dot is exposed on the lock switch [K], the door is locked.
- 2)** Insert the battery until the red clip [E] snaps in to place. The end of the battery with the metal squares goes in first, with the squares toward the top.
- 3)** The 2GB microSD card should come pre-formatted and inserted in the camera already. If it is not, insert the microSD card in to the camera [I]. The side with the contacts should be facing to the right and the “jagged” edge of the card should be facing up.
- 4)** Close the back door and slide the lock switch [K] to the right until you feel a click and the white dot is no longer showing.
- 5)** Firmly press and immediately release the power button to turn the camera on. After about one second, the lasers will activate, LEDs will flash, and you’ll hear a single beep. After a moment, the lasers and the two lights on the back door will go out. The Record/GPS status light on the lower front of the camera will turn green and flash while the camera’s GPS module attempts to obtain a GPS position fix.

At this point, your camera is ready to record video and audio.

What Is Your Camera Telling You?

The ContourGPS has three different LED lights in addition to the sighting lasers that tell you about the status of your camera.

The two sighting lasers (located on either side of the lens) are there to help you align your camera so you get the shot. The lasers come on when you first turn your camera on, and will go out automatically after a few moments. You can re-activate the lasers when the camera is powered up by firmly pressing and quickly releasing the power button.

The LED on the lower front of the camera [A] indicates record status (green for standby, red for recording) and GPS position fix status (flashing when searching for a position fix and solid once a position fix is obtained).

The two LEDs on the back door of the camera display battery status [M] and microSD card status [K]. The color of the LED indicates remaining capacity:

- Green** = 70% or more left
- Orange** = 70% to 20% left
- Red** = Less than 20% left

Getting The Right Angle

The ContourGPS also features a rotating bezel that allows you to turn the lens 180 degrees so your video image is right side up even if your camera is mounted sideways. The barrel of the camera displays arrows at the 9 o'clock, 12 o'clock, and 3 o'clock positions for reference. You may find the bezel is a bit tight to rotate, but don't be afraid to use a bit of force – our cameras are tough! You might also notice some play in the bezel at the 12 o'clock position. This is normal and will not affect your videos.

Recording

With the camera powered up and ready to record, push the record slider [B] on the top of the camera all the way forward. You'll hear a single beep and the record status LED will turn red. You're now recording.

To stop recording, push the slider back to its original position. You'll hear two beeps and the record LED will turn to green. Congratulations, you've just made your first video clip with the ContourGPS!

To make another video clip, just push the record slider forward again. You can continue to record as many clips as you'd like until the microSD card gets full or the battery runs out.

microSD Card Formatting

Your ContourGPS comes with a 2GB microSD card that is pre-formatted. This card has enough room for about 30 minutes of video of 1080p resolution recording. If you have purchased a higher capacity microSD card, you need to format it properly to work in your ContourGPS. Here is how to format a microSD card:

1. Power off the camera.
2. Remove the microSD card from the camera.
2. Power up the camera with the microSD card removed. The camera will TRIPLE beep and the SD card LED on the lower rear of the camera will flash red. The front record LED will flash red/yellow. This indicates that the SD card is missing.
3. With the camera still powered up, insert the microSD card.
4. Using a pin or small nail, push and hold down the pinhole formatting button [F] located above the SD card slot. The camera will beep once when the format is complete. This process generally takes no more than 10 seconds.
5. Release the pinhole button only after the camera beeps.
6. Power off the camera by holding down the power button for 3-5 seconds.
7. Power up the camera. It should boot normally and be ready to shoot video. The general rule of thumb is you get up to 15 minutes of video per GB of card capacity. An 8GB card will store up to 2 hours of video. The ContourGPS can utilize any speed class of microSD card. However, the camera only benefits from card speeds up to class 6.

About the GPS Feature

The GPS module of your ContourGPS has an accuracy rating of +/-10m for latitude and longitude coordinates. In order to track your location data, the GPS module must first obtain a position lock by establishing communication with four GPS satellites. Position lock status is communicated by the front LED of the camera [A]. A flashing front LED (either red or green) indicates the GPS module has not obtained a position lock. A solid front LED (either red or green) indicates that a position lock has been obtained and the GPS module is logging GPS data while video is being recorded.

It generally takes somewhere between one and five minutes to obtain a position lock under good conditions. Several environmental factors could impact the ability for your ContourGPS to obtain a position fix. These can include any of the following.

1. An obstructed view of the horizon. The more of the horizon that is visible, the better the chance of obtaining the four satellite signals required to establish a position lock.
2. Camera mount position. The antenna of the camera is located in the record slider. If the camera is mounted on its side, the antenna will have a limited view of the horizon. For best results, mount the camera upright with the GPS antenna level and facing upwards.
3. Any obstruction over the GPS antenna (record slider of the camera) may inhibit obtaining a signal lock. Even a hand placed over the record slider may adversely impact performance.
4. In "urban canyons", GPS signals often bounce off of tall buildings and can increase position error or affect the ability to obtain a position lock.
5. Other electronic equipment placed in close proximity to the camera may interfere with the GPS signal and result in either an inability to establish a position lock or inaccurate readings.

If your camera has issues obtaining a GPS lock, please do the following:

1. Check to see that the camera's battery is well charged. The camera's ability to establish and maintain position lock is significantly diminished if the battery's capacity is depleted. You can test the capacity of your battery by quickly pressing and releasing the power button while the camera is powered on. The battery indicator LED on the top rear of the camera should glow green if the battery has ample capacity.
2. Verify that your camera's GPS module is active. The GPS module can be manually de-activated through Contour's StoryTeller software. As a verification that the GPS module is active, the front record LED should blink for at least 5-10 seconds when the camera is powered on. If it does not, GPS may be de-activated on the camera for that switch position (1-2 switch). To activate the GPS module, connect the camera to a computer with a USB cable, launch StoryTeller, and click on the camera's SD card volume label name under "Device" on the left side of the main StoryTeller screen so it is highlighted. Using the menu bar, then navigate to Camera -> Configure Camera. Set "GPS Power" to "On".
3. Make certain you are outdoors, have a relatively unobstructed view of the horizon, and that the camera is upright and level with nothing on top of the record slider.

4. Make certain the camera is not placed in close proximity to other electronic equipment which may interfere with the GPS signal.

5. If the camera does not obtain a position lock within 5 minutes, reset the GPS module by doing the following:

1. Power off the camera.
2. Remove the battery for 10 seconds.
3. Re-install the battery.
4. Power up the camera.
5. The GPS module is now reset and will start a satellite search from scratch.

Please Note: Major improvements to the firmware controlling the camera's GPS module were included in v1.11 on 2/1/2011. The new firmware DRAMATICALLY improves the camera's ability to obtain and maintain a GPS position fix. It is highly recommended that you upgrade your camera's firmware to v1.11 or later if it is running an older version.

To check the firmware version of your camera, do the following:

1. Connect the camera to a computer and launch StoryTeller.
2. From the "devices" list on the left side of the StoryTeller main page, select your camera and choose "Tools->Configure Camera" from the top menu bar.
3. Once the configuration window appears, click on the "Camera" tab. The camera's firmware version information will be presented.

The most recent firmware download, installation instructions, and release notes are currently located at:

<http://contour.com/software/firmwaregps>

The 1-2 Switch

The 1-2 switch located at the back of the camera allows you to preset your ContourGPS with two different configuration settings. This makes it easy for you to adjust to conditions while out in the field with your camera. For each of the two positions you can preset several preferences such as resolution, exposure, contrast, metering, as well as other settings.

The factory default for position 1 sets the resolution to 1080p at 30 frames per second. The default for position 2 is usually set to 720p resolution at 60 frames per second. For both positions the default exposure is set to "-1" which is intended for bright, sunny days. You can change the configuration parameters for each switch position by connecting your camera to your computer with the mini - USB cable and changing the settings with StoryTeller Software (Tools » Configure Camera).

Using the Bluetooth Feature

The ContourGPS is equipped with a Bluetooth module that allows your mobile device to act as a viewfinder for your camera when it is in standby mode. This means that you can be sure your camera is lined up to capture the shot before you start recording. In addition, the mobile app will give you access to the camera's configuration settings so you can change things like resolution, exposure, and mic gain without having to plug the camera back in to a computer.

During spring of 2011, we plan to release an app for Android mobile devices. You cannot use the ContourGPS camera's Bluetooth feature to connect to other devices.

Connect View is specifically made for: iPhone 3G, 3GS, 4 (both AT&T and Verizon), iPod touch (3rd and 4th generations). Your device must be running iOS 4.2.1 in order to install and run the Contour Camera app.

Configure the Camera

In order activate the Bluetooth module in your ContourGPS, your camera will need to be running firmware version 1.12 or later. To verify the firmware version of your camera, launch StoryTeller on your computer and connect your camera with the supplied USB cable. In StoryTeller, go to Tools -> Configure Camera and then change to the Camera tab. You will find the firmware version number of your camera listed there. StoryTeller should prompt you to update your camera firmware if it is not up to date.

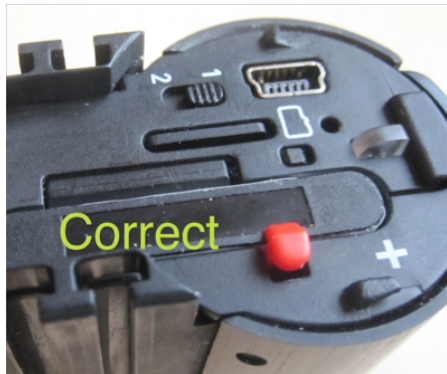
You must connect your camera at least once to StoryTeller version 3.0.6 or higher so that it can assign a unique Bluetooth ID to the camera's Bluetooth module. The computer running StoryTeller MUST be connected to the Internet during this process. The assignment of the ID will take place automatically after the camera is connected to StoryTeller for 2-3 minutes. You can verify the ID file was copied to you camera by looking for a file entitled "bt.adr" in the root directory of the camera's SD card.

ConnectView Card

If you are going to connect your camera to one of the supported Apple iOS devices, you will also need to install a ConnectView card in your camera. Visit <http://contour.com/software/mobile/ios> and click "Locate A Dealer" to find a reseller near you that carries the ConnectView card.

To install the ConnectView Card, power off the camera and remove the battery. Immediately to the left of the battery is a small black plastic card [0]. This plastic card is a placeholder that you can remove and set aside. Insert the ConnectView card in to the slot vacated by the placeholder. The contacts on the card should face toward the microSD card and the Contour logo should face toward the battery slot.

IMPORTANT: The end of the card should be FLUSH with the back of the camera. Do NOT push the card past this point. Pushing the card past being flush with the back of the camera will result in the card's contact points not being lined up correctly and the Bluetooth feature will not work. The camera will triple beep if the card is inserted too far when pairing is attempted.



Prepare Your Device

Next you will need to install the Contour Camera app on your iOS device. The app is a free download from the iTunes Music Store. You can search for "Contour Camera" or if you are in the US, you can go directly to this link: <http://itunes.apple.com/us/app/contour-camera/id415402125?mt=8>

After the app is installed, go in to the Settings of your device and turn on Bluetooth.

Connecting the Camera to Your Device

You should now have the firmware and ConnectView card installed on your camera and the app installed on your device with the Bluetooth active. You are now ready to connect the camera and your device. Turn on your camera then press and hold the the Update button [N] for five seconds. When you release the Update button, the forward status light [A] will start blinking blue. This indicates that it is discoverable by your device over Bluetooth. In the event you need to re-establish pairing with your device, the camera only requires a quick press of the Update button to re-initiate the pairing – Do Not hold the Update button down.

Once your camera is listed as a discovered items over Bluetooth, you can select it to pair it with your device. After the two are paired, launch the Contour Camera app.

Pairing Fails/Camera Triple Beeps

If your camera triple beeps and the forward status light [A] remains or returns to green after holding down the Update button, pairing did not take place. The two causes associated with the triple beep is the Connect View card is inserted too far into the camera and not flush with the back of the camera or the camera's Bluetooth module does not have a valid Bluetooth ID. You will have to reseat the Connect View card so it is flush with the back of the camera and/or obtain a Bluetooth ID for your camera via StoryTeller via the instructions outlined above under "Configure the Camera".

Using the App

Once the app and the camera are connected the main screen of the app will become a viewfinder, displaying images from the camera's imaging processor. The refresh rate is between 3 and 5 frames per second and the resolution will not be reflective of what the camera actually shoots. Because of Bluetooth bandwidth limitations, the images will be transmitted in 240p format, regardless of the camera's configuration settings. However, this stream should be more than adequate to allow you to align your camera angle and verifying configuration settings for the conditions under which you will be shooting video.

In the upper right hand corner of the app is a "Setting" button that will allow you to change many of the camera's settings without having to connect the camera to a computer. Simply adjust any of the settings you wish for each of the two positions of the Format Switch. When you are done press the "Camera" button in the upper left corner to return to the viewfinder mode. Your changes will take effect right away. This is especially handy for adjusting to different lighting conditions.

Battery Life

Because Bluetooth is a wireless radio device, extended use will drain the battery life of both your camera and your mobile device faster than without it. If you intend to use this feature a lot, plan ahead by having extra batteries and chargers available. The Bluetooth module is powered down once the camera starts recording to conserve battery power.

Range

The range of the Bluetooth connection is up to 30 feet/10 meters.

Recording

Once you start the camera recording, the Bluetooth connection will automatically terminate and the Bluetooth module in the camera will power down. This is designed to conserve the camera's battery power. To re-initiate a Bluetooth connection with your camera once it is back in standby mode, press and hold down the Update button for 5 seconds.

Dropped Connections

The current Bluetooth connection will drop between 15 seconds and 2 minutes. We are working to correct this issue. If your connection drops prematurely, you can re-pair the devices by quickly pressing and releasing the Update button. In some situations pairing cannot be re-established. In these cases, you may need to remove the battery from the ContourGPS or reboot the Apple device.

See What You Shot

To watch the videos you shot with the ContourGPS, start by downloading and installing our StoryTeller software. You can get it by visiting contour.com/software/storyteller. We offer versions for both PC and Mac.

After the software is installed, plug the camera in to your computer using the USB cable. The USB port [G] on the camera is located right next to the microSD card slot. It may take a few moments for your computer to recognize the camera. Once it does, the camera will be listed in the My Computer window (or the Finder window on a Mac) and also in the upper left corner of StoryTeller in the Devices section.

From within StoryTeller click on the camera and your videos will show up in the main pane of StoryTeller. Each video clip will display a thumbnail from the first frame of the video. To watch or share your videos click on one (or several) of the videos and press the IMPORT SELECTED button. To get all of your videos at once, just click the IMPORT ALL button.

When your videos have been imported, you can find them in the Movies section of the Library, located in the left pane. Choose the movie you want to watch and click play.

Getting Ready for Next Time

Before you go out and hit the slopes, the trail, or the outdoors to record your next epic adventure with the ContourGPS camera, you need to make sure it's ready to go.

GET CHARGED!

Most Contour customers charge their Contour camera battery simply by plugging the camera in to a USB port on an active computer using the provided USB cable. But you can also purchase separate USB powered battery chargers, car chargers and other accessories at our online store. (<http://store.contour.com>). Charging time is generally four to five hours and a fully charged battery typically delivers between two and three hours of recording time.

MAKE ROOM!

Now that you've copied your movies to the computer, you will want to make sure you have plenty of storage space for new videos on the microSD card of your ContourGPS. With the camera plugged in to your computer using the USB cable, navigate to the ContourGPS camera located in My Computer (Finder on OS X). Open the DCIM folder, then the 100MEDIA folder. Select and delete or move any unwanted files. **MAC USERS:** Don't forget to empty the Trash Bin once you have deleted your files – otherwise your discarded video files will remain on your microSD card in a hidden folder and take up valuable storage space!

NEXT STEPS

We know that having awesome videos of your exploits is only half fun. What good are they if you can't share them? Fortunately, Contour has made that easy for you too. Our StoryTeller application not only makes it easy to get your videos off the camera, it makes it easy to share them with the world. Go to contour.com to learn more about posting your videos to our site.