

# **Raptor User Manual**

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# Important Safety Instructions

Please read this manual before using this device to ensure you will enjoy your Raptor under safe and proper use.

- i. Read these instructions.
- ii. Keep these instructions.
- iii. Heed all warnings.
- iv. Follow all instructions.
- v. Neither Raptor nor any of its accessories are designed for self-service or repair. Unauthorized repairs or modification may result in permanent damage and invalidate your warranty coverage. Refer all servicing to Everysight. Servicing is required when the device has been damaged in any way, including but not limited to damage to the power supply cord or plug, being dropped or hit by heavy objects, or exposure to excessive rain or moisture (including immersion or spills).
- DO NOT USE THIS DEVICE WHILE DRIVING ANY MOTOR VEHICLE.
- Do not use this device near water.
- Keep the device away from deliberate exposure to liquids of any kind.
- Clean only with dry cloth.
- Install in accordance with the manufacturer's instructions.
- Only use attachments/accessories specified by the manufacturer.
- Avoid extreme heat or cold, which may damage your device and accessories.
- Maximum ambient temperature for charging mode is 104°F (40°C).
- Ideal operating temperatures are 32° to 104° F (0° to 40° C) and Ideal storing temperatures are 14° to 140° F (-10° to 60° C).
- Stop using your device for a while if the device is overheated.
- Keep away from children and pets; parts can cause injury or damage, including choking hazard, if placed in mouth.
- Exposures to high audio volume for extended periods may damage your hearing and may distract you while riding; lower the volume to a safe and comfortable level to reduce risks.

#### WARNINGS

#### Lithium battery and battery disposal information

A lithium-ion battery is used in this device. Inaccurate or improper handling of the Li-Ion rechargeable battery (such as incinerating, deforming, bending, modifying, attempting to insert foreign objects into the battery, shorting the contacts, trying to disassemble, or exposing the battery to water or high temperatures, among other things that are even more obvious) may cause leakage, heat, smoke, explosion, or fire and may result in personal injury and/or damage to property.

YOU MUST NOT ATTEMPT TO REMOVE THE BATTERY. The battery in this device is not intended to be replaced by the consumer. If you believe the battery is damaged or needs to be replaced, take the device to a service center for inspection and replacement.



If at any time you witness a device being charged starting to balloon, swell up, smoke or heat up, discontinue the charging process immediately, disconnect the device and observe it in a safe place for approximately 15 minutes. Contact manufacturer for service instructions.

> Don't leave the device near a fire or heat source or high temperature location; never dispose of in a fire or incinerator.

 $\boxtimes$  Don't leave, charge or use the device in any space where the temperature may exceed 60° C/ 140° F.

Don't immerse in or spray the device with water.

 $\boxtimes$  Don't pierce the device with any sharp object.

 $\boxtimes$  Don't strike with heavy objects or drop the device on any hard surface.  $\boxtimes$  Don't attempt to disassemble or modify the device or charger.

Don't put the device into a microwave or conventional oven, dryer, or high-pressure container.

Stop using the device if it becomes abnormally hot, discolored, or deformed, or if you detect abnormal conditions during use, charging, or storage.

#### MAGNETS

This device contains magnetic materials which might affect the operation of implantable medical devices and therefore should be kept at a distance from persons with any medical device implants in their body. Please contact your physician for further information on how using this device might affect the operation of your implant.



Congratulations on purchasing your brand new Raptor Smartglasses. This Manual will help you become familiar with the Raptor, and allow you to use them in the best manner possible.

# What's in the Box?

Your Raptor comes wrapped in it's hard carrying case along with:

- 1. A soft carrying case.
- 2. A Micro-USB wall charging unit.
- 3. A data cable.
- 4. A Quick start guide and safety instructions.
- 5. Grip enhancing adhesives.

# Getting to Know Your Raptor

**Note:** Your Raptor comes with Grip Enhancing Adhesives that will help keep your glasses in place and provide extra comfort. They should be placed on the inside of your Temple Arms and over the proximity sensor as shown in the illustration below.

- These areas should be wiped off to ensure that no dust or dirt is present while applying the adhesives
- The Grip Adhesive for that sits over the proximity sensor has space cut out so that the sensor can still function properly, be sure it is aligned to rest against your forehead without covering the proximity sensor

# Charging Your Raptor

We send out your Raptor smartglasses partly charged and we recommend that you fully charge them before your first ride.

When the battery is depleted, It should take about two hours to fully charge your Raptor. When your Raptor is fully charged you'll have up to 8 hours of normal use.

To charge your Raptor, open the USB cover located on the end of your Raptor's left arm. Use the provided Micro-USB wall charging unit and data cable.





When your Raptor is charging, the indicator light located on the underside of the left temple arm hinge (next to the power button) should be active and red.

You'll know when it is fully charged, when the indicator light changes from red to green.

You can see the battery indicator in the BEAM<sup>tm</sup> display of your Raptor (When powered on) and in Everysight's APP on your smartphone when connected to your Raptor.

For further safety instruction refer to ...... (safety/legal usage terms)

#### Installing the Everysight App on Your Smartphone

- Download and Install the App from the App store or the Google Play app store
- When the App is installed, sign into the App by using your Gmail account, Facebook account, or by using your email and clicking "create new account".

#### Turning Your Raptor Smartglasses On

- Press and hold the power button on the underside of the left Temple arm hinge for two seconds, or until the display turns on.
- When Raptor is powered up, it makes a notification sound. If you can't hear the notification sound, please check the volume level of your Raptor.
- Prior to initial setup or if setup is completed but the Raptor shifts from its original position (i.e. you are using a different helmet, shifting of the nosepiece etc.), Raptor display may be distorted or out of focus. Refer to the "Personal fit" section in this manual to learn how to adjust the display.



# Pairing Your Raptor With Your Smartphone

Before continuing with this guide, it is important to pair your Raptor smartglasses with your smartphone (iPhone or Android). Once it is paired using Bluetooth, you will be able to adjust the display on the Raptor smartglasses, load and unload routes, and generally manage your smartglasses.

#### Pairing Your Raptor With Your iPhone

Follow these steps to pair your Raptor with your iPhone using Bluetooth. Please note that your Raptor actually pairs over Bluetooth twice. The first pairing is to connect to Everysight's app and the second pairing is to allow phone connectivity (phone calls and messages).

1.	Your Raptor smartglasses will be displaying an image indicating to you that you need to open the Everysight app on your iPhone.Your Raptor's identification number will be shown in the BEAM <sup>tm</sup> display (Everysight_XXX)	EverySight_529 Open the EverySight App
2. 3. 4.	On your iPhone go to Settings > Bluetooth. Look for a device called <b>Everysight_XX</b> . In this example we see Everysight_529. If there is more than one Raptor device present, make sure to choose the device with the identification number that is displayed in your Raptor device's BEAM <sup>tm</sup> display. Tap on your device to start the pairing process.	
5.	When prompted, tap <b>Pair</b> to connect your Raptor device to the App, and complete the first Bluetooth pairing step.	CONNECTING Bluetooth Pairing Request "EverySight,529" would like to pair with your iPhone. Cancel Pair







<ul> <li>7.2. Adjusting the display using the App The goal of this step is to achieve a clear and complete view of the Raptor's display within the center of your field of vision. </li> <li>To ensure best view of the display, be in a bright place and look at least 18 ft. into the distance. The display position may not seem centered if you attempt to adjust the display while looking at a nearby object.</li></ul>	CS SS CS CF CS CF CS
Use the directional arrows in the app to move the Raptor's display up, down, left or right. Position the display so that you can see it comfortably and within the center of your field of vision. If you can't fit the complete display into your field of vision, zoom in and out by using the Minus and Plus symbols. The optimal zoom is between 90-100%. Tip: If the display won't move further in a certain direction, try zooming out further and then continuing to adjust the placement of the display.	Adjust Raptor glasses screen position
7.3. If after adjusting the display using the app you still feel you are having trouble seeing a clear and complete display, try to repeat steps #7.1 and #7.2 until you reach comfort, security and clear display.	25 100 Display Setup 25 000 Store Control 1000 Setup 25 000 Setup 25

# Pairing Your Raptor With Your Android Phone

Follow these steps to pair your Raptor with your Android phone using Bluetooth. You may want your riding helmet nearby to ensure the best possible fit.

1. Your Raptor smartglasses will be displaying an image indicating to you that you need to open the Everysight app on your iPhone.Your Raptor's identification number will be shown in the BEAM<sup>tm</sup> display (Everysight\_XXX)

EverySight_529	
Open the Everysight App	













# Adjusting Your Raptor's Display Using Your Smartphone after the initial setup

If you wish to adjust the display after the initial setup, you can always use the Raptor app on your Smartphone to adjust the position of the display. Adjusting the display may be needed to improve your experience or in case the case that the Raptor's display is moved (i.e. using a different helmet, shifting of the nosepiece etc.),

**Please Note:** If you are setting up your Raptor for the first time, please refer to section #5 on this user manual.

**Please note:** Before continuing with these steps, make sure that you are wearing your riding helmet and Raptor glasses. Make sure that your helmet's straps are underneath your Raptor glasses. This is important, otherwise you may get everything setup and then when you put your helmet on, it may move the display out of focus.





# Everysight App Settings

The Everysight App allows you to adjust any of the settings relating to connectivity between your phone and Raptor Smartglasses at any time. This gives you complete control over the data and permissions being shared between the devices.





-		
2. For iP a. b. c. d. e. f.	<ul> <li>hone users:</li> <li>Phone Calls being sent to the glasses can be turned on or off with the toggle</li> <li>The Phone Notifications toggle can also be turned on or off for notifications such as text messages <ol> <li>If you didn't pair your phone during the 'stay connected' portion of your setup to your glasses, scroll down to 'Start HFP Setup' at the bottom of the settings page</li> </ol> </li> <li>You can turn the GPS data pairing with you phone off. <ol> <li>Turning off this feature means you won't be able to track your physical route, distance travelled or use the navigation feature</li> </ol> </li> <li>The Ride Notifications toggle is for your phone to send you a notification once your ride has been ended and this can be turned on or off</li> <li>You can show your location and see friends around you by toggling on or off the 'Live Friends' feature <ol> <li>The 'Friend Request Interval' slider indicates how often (in seconds) your app searches for other people using this app</li> <li>The phone can search as frequently as every 2 seconds.</li> </ol> </li> <li>The 'Save Media' toggle when turned on will save photos that were downloaded from the glasses into the phone's photo gallery.</li> <li>If this feature is turned off, pictures and videos will only be saved in the App under media</li> </ul>	State Phone Data With Glasses         Phone Calls         Phone Notifications         GPS         Ghare your device GPS data with your glasses         App         Ride Notifications         Receive ride notifications from glasses         Live Friends         Share my location and show friends around me         Friend Request Interval (sec)         Request Interval (sec)         Stare my location and show friends         GO         Herein         Stare my location and show friends         around me         Go         Herein         Stare my location and show friends         around me         Go         Herein         Stare my location and show friends         Go         Herein         Stare my location and show friends         Go         Herein         Save Media         Save decla         Save decla
3. For Ar	ndroid Users under the Connectivity Tab:	
d.	with a new device	
b.	You can also click to enable WiFi to connect the	CONNECT
	Air (OTA) Update	connected to EverySight_529 To reconfigure your glasses, click here.
C.	You can turn the GPS data pairing with you phone	Glasses WIFI is OFF, click to enable Connect glasses to a WIFI network
	off.	NAVIGATION
	be able to track your physical route,	Send GPS data from your phone to the glasses
	distance travelled or use the navigation	Send Barometer with glasses Send Barometer data from your phone to the glasses
,	feature	PHONE SETTINGS
d.	If your Android phone has a built in barometer,	Phone calls Receive phone calls on glasses
	harometer to canture the relevant information	Plustooth cottings
۵	Phone Calls being sent to the plasses can be turned	
С.	on or off with the toggle	



<ul> <li>f. Bluetooth Settings can be accessed easily by clicking on Bluetooth Settings</li> <li>g. The Ride Notifications toggle is for your phone to send you a notification once your ride has been ended and this can be Enabled or Disabled</li> </ul>	
<ul> <li>h. Screen Broadcasting Toggled on or off <ol> <li>Screen Broadcasting allows you to see and control what is being displayed by the BEAM<sup>tm</sup> technology on your visor but through your app</li> <li>When toggled on, go back to the main screen</li> <li>Tap on the Information Bar</li> <li>Tap on the Controller Tab</li> <li>Have complete view and control of your glasses from your App</li> </ol> </li> </ul>	DASHBOARD CONTROLLER DISPLAY
<ul> <li>4. For Android Users under the Social Tab <ul> <li>a. You can show your location and see friends around you by toggling on or off the 'Live Friends' feature</li> <li>i. You can see within what range your friends are located with the Friends Range slider</li> <li>ii. The 'Friend Request Interval' slider indicates how often (in seconds) your app searches for other people using this app</li> <li>iii. The phone can search as frequently as every 2 seconds, or as infrequently as every 60 seconds</li> </ul> </li> </ul>	SETTINGS       CONNECTIVITY     SOCIAL     VIDEO       FRIENDS       Live friends       Share my location and show friends around me       Friends range     63KM       Show friends range circle       Friends query interval     15 Seconds

# Becoming Familiar With the Raptor Navigation Gestures

One of the main ways of operating the Raptor is via the Touchpad that is embedded into the right Temple arm.



The Touchpad responds to swiping and tapping gestures in the same way a Touchpad on a laptop does. Using these

gestures, you can navigate around the Raptor interface, and perform actions like taking a picture or recording a video.

Tip: Using concise gesture movements will help you to easily learn to control and operate Raptor.



- **Swipe forwards** or **backwards** to rotate the carousel. Use one finger in a long continuous swipe motion. Don't hold your finger on the touchpad before or after the gesture.
- **Tap** to select an item. The item that will be selected is always the one that is centered and includes its label.

Swipe down to go back one screen.

- **Swipe up** is used for specific actions only like disconnecting a sensor or shuffling a song. Please refer to the relevant sections for more information. to deselect an item. For example, if you had previously paired with a Smartphone, swiping up on the phone's icon, will deselect it.
- **Tap and Hold** on any screen to show the list of running apps and have access to Adjustments screen where you can adjust brightness and volume.
- **Double Tap** on any screen to activate your camera in order to record a video or take a picture. See camera section for more details.















# Adjusting Brightness and Volume

Display brightness can be adjusted at any time to fit to different visors, weather and lighting conditions. Raptor's default brightness level is 7 out of 9 (A greater value means a brighter display). Finding the right level of brightness is per individual preference. Indoor or dark environments will require a lower brightness level while a bright environment will require a higher level of brightness.





<ol> <li>You can also adjust the brightness any time by using voice control. To Commands, simply say: "Go Everys Once active, either say "Brightness down" in order to adjust brightness</li> </ol>	level of the display at activate the Voice sight". s up" or "Brightness s.
5. The same can be done for Volume: touchpad on the side of your Rapto appears	<b>Tap and Hold</b> on the or until the menu
6. Swipe to the Volume icon and <b>Tap</b>	to Select
7. To increase the speaker volume <b>Sw</b> decrease the speaker volume <b>Swip</b>	vipe Forwards, To e Backwards.
8. To Exit the selected feature (i.e. Vo a. This will bring you back to when you initiated step 1.	lume) <b>Swipe Down</b> the screen you were on
<ol> <li>You can also adjust the volume level voice control. To activate the Voice say: "Go Everysight".</li> <li>Once active, either say "Volume up in order to adjust volume.</li> </ol>	el at any time by using Commands, simply o" or " <b>Volume down</b> "



# Adding/Removing Bluetooth Devices and Sensors (Optional)

You can pair Everysight Raptor with the Raptor Controller and additional Bluetooth sensors like: a Heart Rate Monitor, a power meter, speed, and cadence giving you deeper insight to your rides.

10. On your Raptor glasses main menu, navigate by swiping the touchpad to <b>Settings</b> . Tap to select.	Settings
11. Once in the Settings menu, navigate to <b>Sensors and Devices</b> . Tap to select.	<ul> <li>Craige J</li> <li>Craige J&lt;</li></ul>
<ul> <li>12. Once in the Sensors and Devices menu, navigate to the device or sensor you want to connect to. Tap on the device or sensor type to begin a Bluetooth scan, now swipe until you see your device name and tap on it to pair it with your Raptor.</li> <li>13. Once connected, you will be returned to the sensors and devices menu and the device or sensor you are connected to, will be highlighted in green.</li> </ul>	<ul> <li>         Image: Second system     </li> <li>         Heart Rate Monitor     </li> <li>         HRMBLE     </li> <li>         Image: Second system     </li> <li>         Heart Rate Monitor     </li> </ul>
14. To Remove a Sensor or Device, simply rotate the carousel until the desired sensor is centered and includes it's label and <b>Swipe Up</b> to disconnect from this device.	

# Configure Your Raptor's Screen Layout

Your Raptor can display up to six customized screens of information and statistics while you

are riding. Once setup, you can swipe forward to change between them as you ride.

Each display contains one primary and 4 secondary display fields that can measure up to 7 different metrics, depending on the sensors connected to Raptor (Speed, cadence, heart rate, power, distance, elevation and time).





A display can also contain the "smart arc" used for navigation rides and workouts. You can choose for each screen separately if you wish to show or hide the smart arc.

Each screen can be defined as either an upper or lower layout, displaying the primary display field on top or bottom of the display. We highly recommend that you'll set up at least one screen of both upper and lower layouts, to see which layout best suits you.

To customize the information and statistics displayed during your ride, follow these steps.

- Go to <u>http://go.Everysight.com</u>
- Sign-in using the same credentials used for the Everysight app on your smartphone.
- Hover the cursor over your name.
- On the drop down menu, Click **Screens**.
- On the side of the screen you'll see all available screens. Click one of them to modify it.
- To change a data field simply click on it and select the data type and value from the drop down list, or choose Empty.
- You can add up to 6 screens, and you can delete screens you don't want anymore.
- You can reorder the screens by dragging and dropping them into position.
- Click the Smart Arc to display or hide it.
- You can choose to have the data displayed high or low on the screen. The default is high.
- Changes will be saved automatically

#### Just Ride

One of the most popular features of Raptor is the simplicity of being able to "Just Ride" while still being able to track all the information without taking your eyes off the road.

The information displayed is being transferred from your smartphone, Raptor's sensors and external sensors that can be paired with Raptor. To learn more about how to pair your sensors to Raptor, please refer to chapter .... in this manual.

All information is being displayed on up to 6 customizable screens that can be easily accessed during the course of your ride. To learn more about the screens configuration, please refer to chapter .... in this manual.

Maps can be displayed during the course of your ride, and might require that you load Raptor with regional maps. To learn more about loading maps (and also about the navigation ride), please refer to chapter .... in this manual.

**Please note:** Before going on a ride, make sure that your Raptor is fully charged. It should take about 2 hours to fully charge when the battery is depleted. To learn more about charging Raptor, please refer to chapter .... in this manual.



1.	Turn on Raptor and put your Raptor glasses on. On the main menu, swipe to the <b>Ride</b> icon and Tap to select.	Ride
2.	The ride menu allows you to choose your ride type (Just ride, Navigation or workout). Swipe to the <b>Just Ride</b> icon and tap to select.	Just Ride
3.	Tap the Touchpad to start your ride. As you ride, your Raptor will display your planned screens' information for you, as well as record that information so you can later save it.	MPH 
4.	Swipe forward to change your ride screens (up to 6 screens as you defined them).	ft/il 0 00:00:00 0 00:00:00
5.	Swipe back to change your map mode – 2D map or No Map.	Tan to start
6.	When 2D map is displayed, you can choose to show maps while stationary only by swiping down to open the ride menu. Swipe to the streets feature, and tap to turn it on or off.	
7.	Tap to open the Lap and Zoom Menus – another tap will start a new lap, a swipe forward will zoom in on a 2D map, a swipe back will zoom out (only when map is shown).	Ride Controls
8.	To pause or end a ride: 8.1. Swipe down to open Ride Menu. 8.2. Swipe to the pause ride icon. 8.3. Tap to select.	Pause Ride
1.	Swipe left or right to choose whether you want to discard the ride (lose all ride data), save the ride, or resume your ride. Tap to select the option you want to use.	के 🔛 छ
2.	Once you saved a ride a popup message will appear on your smartphone, click it to open the ride page and upload it to your profile.	Save Ride
3.	Next a feedback page will appear. We appreciate it if you can take a few seconds to give us a feedback about your Everysight experience during this ride.	



# **Navigation Ride**

Navigation with Raptor is a wonderful experience, allowing you to find your way in an unknown territory without ever slowing down or getting lost again.

**Please note:** Before going on a ride, make sure that your Raptor is fully charged. It should take about 2 hours to fully charge when the battery is depleted. To learn more about charging Raptor, please refer to chapter .... in this manual.

# Download the Map(s)

Before you go on a ride, you should first download the map of the state or country where you will be riding. Depending on where in the world you are riding, this may be an entire country map, or a smaller area like a Province or State map. Your Raptor supports multiple map files and changes automatically between files as you ride across states or regions.

1.	Sign in to Go.everysight.com using the same credentials used to sign in Everysight app on your smartphone. Select downloads on the main menu.		
2.	Find the map, or maps that you think you will need for the foreseeable future, and click each map to download it. The map files are normally saved in your web browser's Downloads folder.	How do I put maps North-Ame mexico CANADA quebec alberta british-columbia manitoba	erica download download download download

# Copy the Map(s) to Your Raptor

Once you have downloaded one or more map(s) to your computer, you need to copy them over to your Raptor.

#### Copying Map(s) from Your Apple Mac

Before you attempt to copy the map files from your Mac to your Raptor, you must first install a Free app called Android File Transfer.



This lightweight app allows you to copy files to your Raptor (which happens to be running on the Android mobile operating system). You can find the Android File Transfer app here: <a href="https://www.android.com/filetransfer/">https://www.android.com/filetransfer/</a>

1. Connect your Raptor to your Mac using the provided USB cable.	
<ol> <li>Launch Android File Transfer (unless it automatically loads). You should see the folder layout of your Raptor. Browse to the Maps folder.</li> </ol>	Wame     Provention       Maps     massachusetts (2).map       new-jersey.map     new-jersey.map       new-jork.map     south_africa_and_lesotho.map
<ol> <li>Open Finder and browse to where you saved the map files. Drag the map files from Finder into the Maps folder on your Raptor.</li> </ol>	C     T

#### Copying Map(s) from Your Windows PC

Follow these steps to copy map files to your Raptor from your Windows PC.

1. Connect your Raptor to your PC using the provided USB cable.	
<ol> <li>Open Windows Explorer and look for a device called EVERYSIGHT. Expand EVERYSIGHT until you see the Maps folder.</li> </ol>	
3. Open a second Windows Explorer window and browse to where you saved the map files. Drag the map files into the Maps folder on your Raptor.	



# Create a Route for Your Ride (Optional)

Navigation with Raptor is easy and accurate. You can see a map of your route and provides real time navigation directions as you ride. You can also display the elevation profile of your route, allowing you to see how much of the climb is still ahead. Riding with a route, even on a well-known road, will improve your experience with your Smartglasses.

To navigate using a pre-loaded route, you will need to first load it to your account on go.everysight.com and then, upload it to Raptor smartglasses.

You can import an existing route, convert a previous ride to a route, choose a route from thousands of exiting routes created by the Everysight community or create a new route on your preferred route editor.

The steps below show you how to create a new route in Strava, export it, and import it into your Everysight account. If you don't already have a Strava account, or you prefer not to create a Strava account, there are alternative ways to create routes or find routes online. The key to importing routes into your Everysight account is that the route file must be in GPS Exchange Format (GPX).

<ol> <li>Login to your Strava account. Click Dashboards, My Routes. Click Create New Route. Create your route, and click Save to save the route.</li> </ol>	TRUE and a second
2. On the My Routes screen, click on the route your just created. Click <b>Export</b> .	My Cycling Routes / Drive to Princeton
3. On the Export screen, click <b>Download GPX</b> . Choose a location on your computer to save the GPX file.	Exporting a Route to GPS Device The Garmin Edge 800/810/1000 will accept either TCX or GPX files. GPX files are best if you have base maps installed because it will display both a styled map and text- based directions. TCX files are best when you don't have base maps installed. Download TCX Download GPX
4. Use the web browser on your computer to sign in to Go.everysight.com. On the main menu click Routes and then click the "Upload Route" button.	AD GVGRYSIGHT My Rides Routes



5. Choose the GPX file you exported in step 3.	+ Lipitad Bane File • public • esty •
6. Click <b>Post</b> to add your new route to the list of routes.	Charge Route File     One to Princeton     or public     or public     or post

### Copying the Route to Your Raptor

These steps show you how to copy new or existing routes to your Raptor before you start a navigation ride.



#### Going for a navigation ride

Now that you have copied over the map files and copied over a route, you are ready to go for a navigation ride.

**Please note:** Before going on a ride, make sure that your Raptor is fully charged. It should take about 2 hours to fully charge when the battery is depleted. To learn more about charging Raptor, please refer to chapter .... in this manual.



9. Turn on Raptor and put your Raptor glasses on. On the main menu, swipe to the <b>Ride</b> icon and Tap to select.	Ride
10. The ride menu allows you to choose your ride type (Just ride, Navigation or workout). Swipe to the <b>Routes</b> icon and tap to select.	Routes Boutes 3 Routes
11. Swipe forwards and backwards on the Touchpad to find a desired route. Once you have found the route, tap the Touchpad.	New York
<ol> <li>Tap the Touchpad to start your ride. As you ride, your Raptor will display your planned screens' information for you, as well as record that information so you can later save it.</li> <li>Swipe forward to change your ride screens (up to 6 screens as you defined them).</li> <li>Swipe back to change your map mode – 2D map or No Map.</li> <li>When 2D map is displayed, you can choose to show maps while stationary only by swiping down to open the ride menu. Swipe to the streets feature, and tap to turn it on or off.</li> </ol>	MPH ft/il 0 0 0 0 0 0 0 0 0 0 0 0 0
16. Tap to open the Lap and Zoom Menus – another tap will start a new lap, a swipe forward will zoom in on a 2D map, a swipe back will zoom out (only when map is shown).	Ride Controls
<ul> <li>17. To pause or end a ride:</li> <li>17.1. Swipe down to open Ride Menu.</li> <li>17.2. Swipe to the pause ride icon.</li> <li>17.3. Tap to select.</li> </ul>	Pause Ride



- 4. Swipe left or right to choose whether you want to discard the ride (lose all ride data), save the ride, or resume your ride. Tap to select the option you want to use.
- 18. Once you saved a ride a popup message will appear on your smartphone, click it to open the ride page and upload it to your profile.
- 5. Next a feedback page will appear. We appreciate it if you can take a few seconds to give us a feedback about your Everysight experience during this ride.





# Workout ride

Workout with Everysight Raptor is more efficient, accurate and helps you to reach your greatest goals. Just like a personal trainer that is coaching you to achieve new heights, Everysight Raptor is your perfect companion for all of your workouts.

Raptor provides you with real time data of your metrics, including your workout plan. Metrics can also be taken through external sensors that can be paired with Raptor. To learn more about how to pair your sensors to Raptor, please refer to chapter .... in this manual.

**Please note:** Before going on a ride, make sure that your Raptor is fully charged. It should take about 2 hours to fully charge when the battery is depleted. To learn more about charging Raptor, please refer to chapter .... in this manual.

# **Building Your Training**

You can create workouts using the Everysight web site, copy them to your Raptor, and track whether you are on target, under target, or over target while you ride. Your created workouts are broken into time intervals that each have a function (for example warm up or cool down), and a target intensity (for example heart rate, power, speed, or cadence).

1.	<ul> <li>The first step in setting up your workouts is to define your</li> <li>Performance Zones which represent the intensity during</li> <li>workouts (you will only need to set this once)</li> <li>1.1. Log in to go.everysight.com</li> <li>1.2. Hover your cursor over your Username in the upper right hand corner of your screen, select <b>Performance</b></li> <li>1.3. Here you can set your Max Heart Rate, Functional Threshold Power (FTP), Typical Speed or Optimal Cadence</li> </ul>	Wy Workson Online Workson Entropy Vorume Workson Provi 30 minute Intervals Workson Octaon Workson Octaon Workson Octaon Vorume Octaon
2.	To configure training preferences, hover the cursor your name displayed in the upper-right corner of the screen and select,	Target Intensity Tolerance Training Alerts
3.	<ul> <li>Training Settings.</li> <li>The Training Settings allows you to change the workout display including colors used for the Smart Arc, which indicates your Target Intensity Range, how you are alerted to your progress (i.e. on-screen text or audio prompts), and the tolerances used to generate the real-time training arc that can be customized to suit each type of individual workout.</li> <li>3.1. These settings can be changed at any time from the go.everysight.com website</li> </ul>	



4.	Click <b>Training</b> to view, edit, and create new workouts.
	4.1. Click Add Workout to create a new workout or upload an
	existing workout from a file
	4.2. To upload an existing workout file, select the <b>From File</b>
	option and choose an existing *.fit file to use a workout
	that you already have
	4.3. Click Find a Workout to see workouts from the Everysight
	community of users, and copy them to your workouts.

# Creating a Workout

1.	Log into go.everysight.com, select the Training tab a. Click the <b>Add Workout</b> button b. Click on <b>Create New</b>	<ul> <li>€</li> <li>Add Workout</li> <li>Create New</li> <li>From File</li> </ul>
2.	You can now name your workout, leave yourself a comment, choose the Intensity Type (Power, Heart Rate, Speed or Cadence) and choose how the workout steps are measured (time, distance or manual) <i>a.</i> If you choose Manual, switching to the next step in your workout is accomplished by starting a new lap	
3.	<ul> <li>In the table below, you can begin to build your workout <ul> <li>a. Choose each step's Type (Warm Up, Work, Rest, Cool Down, or Other)</li> <li>b. Choose the Duration (Time, Distance, or if Manual then by starting a new lap during your workout</li> <li>c. The Intensity Type Parameter (Power, Heart Rate, Speed or Cadence)</li> <li>d. Add any notes you wish to appear in text format on the display when you start that step</li> <li>e. You can also choose to easily duplicate this step or remove it</li> </ul> </li> </ul>	Wy Worksuts Other Worksuts Settings P Duration W Intervals 30 minute Intervals Week 9 Day 1 Teal Time 01:25:(



4.	<ul> <li>In addition to adding steps, you can also choose to Add an Interval</li> <li>a. Adding Intervals allows you to quickly and easily add interval steps throughout your workout.</li> <li>b. An example of how this works can be seen below:</li> </ul>	<b> </b>
	Type Time Heart Rate Notes	I
	Warm Up	
	Work \$ 0 : 5 : 0 150 Doing this 3 times	
	Rest \$ 0 : 2 : 0 120	
	Interval - x2 +	
	Work \$ 0 : 3 : 0 155 doing this twice	
	Kest         \$ 0 : 1 : 0 120         \$ 0	
5.	Both Steps and Intervals can be easily Dragged and Dropped to reorder them in the easiest manner possible	
6.	The total Time, Distance or Number of laps will continually be	
7.	automatically updated while building your workout to help you keep track of the total expected length of your workout. Once a valid workout has been created, a graph will automatically populate at the bottom of the page and the workout will save automatically	

# Copying the Workout to Your Raptor

Before you start a workout ride, you will need to copy a workout to your Raptor. These steps show you how to copy new or existing workouts to your Raptor before you start riding.



- 1. Open the Everysight app. Tap **Workouts**.
- 2. Tap the three vertical dots to the right of a workout and tap **Upload to Glasses**.

#### Going for a workout Ride

Now that you have copied over a workout, you are ready to go for a workout ride.

**Please note:** Before going on a ride, make sure that your Raptor is fully charged. It should take about 2 hours to fully charge when the battery is depleted. To learn more about charging Raptor, please refer to chapter .... in this manual.

- 1. Turn on Raptor and put your Raptor glasses on. On the main menu, swipe to the **Ride** icon and Tap to select.
- 2. The ride menu allows you to choose your ride type (Just ride, Navigation or workout). Swipe to the **Training** icon and tap to select.
- 3. Swipe forwards and backwards on the Touchpad to find a desired workout. Once you have found the workout, tap to select it.











- 4. Tap the Touchpad to start your ride. As you ride, your Raptor will display your planned screens' information for you, as well as record that information so you can later save it.
- 5. Swipe forward to change your ride screens (up to 6 screens as you defined them).
- 6.
- 7. According to the training settings on your go.everysight.com account, the display will show the current workout step (for example Warm Up), the smart arc shows, your training range and current position relative to your pre-determined range, a timer indicating your remaining time until your next step, text and/or audio notifications for remaining time and next step on the workout plan.
- 8. While training, you can increase or decrease the intensity of the metric you are currently targeting by swiping down....





#### 19. To pause or end a ride:

- 19.1. Swipe down to open Ride Menu.
- 19.2. Swipe to the pause ride icon.
- 19.3. Tap to select.
- 9.
- 6. Swipe left or right to choose whether you want to discard the ride (lose all ride data), save the ride, or resume your ride. Tap to select the option you want to use.
- 20. Once you saved a ride a popup message will appear on your smartphone, click it to open the ride page and upload it to your profile.
- 7. Next a feedback page will appear. We appreciate it if you can take a few seconds to give us a feedback about your Everysight experience during this ride.







# After Your Ride

After your ride, you can download the media (photos and video) from your Raptor and save or share it, or simply power down your Raptor.

### **Downloading Media**

During your ride you may have taken some photos, or recorded some video. Before you power down your Raptor, you can download that media to the Everysight app on your phone.

1. In the Everysight app on your phone, tap <b>Media</b> .	Solving age Nore Rides Routes Workoods Media
<ul> <li>2. The Media screen will show you how many media item(s) there are on your Raptor. You can cjoose to either import the photos/videos from Raptor or to import and delete photos/videos from Raptor at the same time which would fre up more memory.</li> <li>2.1. If you only import the pictures and choose not to delete them at this point, you can always connect your glasses via USB cable to move, copy or delete files at a later time.</li> </ul>	e e f f f f f f f f f f f f f f f f f f
<ul> <li>3. Your Raptor now creates a Wi-Fi HotSpot on itself.</li> <li>3.1. For iPhone users: <ul> <li>3.1.1.You will be instructed to connect your phone to your Raptor as a Wi-Fi HotSpot.</li> <li>3.1.2.The Everysight App places the Wi-Fi password in the clipboard so that you can paste it in the Wi-Fi screen</li> <li>3.1.3.Tap Wi-Fi Settings to see your phone's Wi-Fi Setting screen.</li> <li>3.1.4.Connect to the device that begins with EVS and paste the password when requested.</li> <li>3.1.5. Once your phone successfully connects to the HotSpot, return to the Everysight App to complete the download</li> </ul> </li> <li>3.2. For Android users: <ul> <li>3.2.1. You will be connected automatically to the HotSpot created by your Raptor Smartglasses and the download will simply begin</li> </ul> </li> </ul>	<ul> <li>Go to iOS device Settings &gt; Wi-Fi</li> <li>Select the following Wi-Fi network:</li> <li>EVS_AP_69</li> <li>Paste the following password:</li> <li>00050901</li> <li>It's already copied to your clipboard</li> <li>When connected, return to the app</li> <li>Dismiss Wi-Fi Settings</li> </ul>
4. Once the media file(s) are saved to the Everysight app, you ca save them to your phone's storage, and share them easily with apps or social media sites by simply selecting the pictures or videos you wish to share and selecting <b>Share</b> .	n h



Note: Media that was once downloaded and then deleted	
from the app (but still exist on the glasses) will not	
download again as new files, they can only be accessed only	
through USB connection	

# Powering Down Your Raptor

After your ride and all related actions, it is a good idea to power down your Raptor. This helps preserve the battery power for a shorter charging time for your next ride.

1.	Press and hold the <b>power button</b> for two seconds on the underside of the left Temple Arm to bring up the Power/Restart/Lock Touch menu.	
2.	Swipe left or right until you see <b>Power Off</b> . Tap to power down your Raptor.	Power off
3.	Tap the Lock Touch button to lock the touch feature	C C C
4.	Swipe down to <b>exit</b> the menu	
5.	Press and hold the <b>power button</b> until the countdown is complete for another method of powering down.	



# Using and Configuring the Raptor's Camera

- 1. Using the Camera is a simple process and can be done at any stage before, during or after your ride.
  - a. To activate your camera at any time, **double tap** on the touchpad.
  - b. You will know that the camera is active when the framing area appears in your field of view.
  - c. Swipe forward to take a picture
  - d. To record a video when the camera is active, **Swipe Backwards**.
    - i. The video camera will record for 60 seconds
    - ii. If you wish to stop recording before the 60 seconds, **Swipe Backwards again**
  - e. To exit the camera, Swipe Down
- 2. You can also use the camera at any time by using voice control. To activate the Voice Commands, simply say: "**Go Everysight**".

Once active, either say "**Take a Picture**" or "**Record a Video**" in order to take a picture or record a video.

a. If you wish to stop recording a video, you will need to **Swipe Backwards** on the touchpad

The Everysight app on your phone allows you to control how video is cropped, and the video recording quality.

- 1. Using the Everysight app on your phone, tap the **Menu** icon (three horizontal lines on the bottom left of the screen), and tap **Settings**.
  - 1.1. If you are using an iPhone, go to **Camera Settings**
  - *1.2.* If you are using an Android phone, you will need to take the additional step of tapping the **Video** tab.
- 2. For Video Cropping, choose Road to have the cropped from the bottom, or Off Road to have it cropped from the top.
- 3. For Video Recording Quality, choose between 480p/30fps, 720p/60fps or 1080p/30fps.
- 4. For Photo Quality, choose either **Normal** (recommended for capturing pictures in motion) or **Full 13.2 MP** (Great for capturing images while stationary)

	Legal	
	More	
VIDEO	CROPPING	
ಕ್ಷಿ	Road 16:9 cropped from the bottom	~
£3.4	Off Road 16:9 cropped from the top	
VIDEO	RECORDING QUALITY	
	Social, 360p/30fps Best for sharing and downloading videos directly to your app.	
HD	HD, 720p/60fps Transfer HD videos with USB to a computer. Phone download is not available.	~



# Voice Commands

In an effort to keep your Raptor experience as hands free as possible, there are a number of Voice Commands that you can use to operate your Raptor.

To activate the Voice Commands, simply say:

# "Go Everysight"

Once active, use any of the following commands to operate the specific features

<u>Feature</u>	Voice Command
Take a Picture	"Take a Picture"
Record a Video	"Record a Video"
Adjust Brightness	"Brightness Up" "Brightness Down"
Adjust Speaker Volume	"Volume Up" "Volume Down"
Turning Touchpad On or Off	"Touch On" "Touch Off"
To Access Rides Menu	"Just Ride"



# **Cleaning Your Raptor**

You can use a microfiber cloth to clean your Raptor's visor. If you would like a more thorough cleaning, these steps will describe how to remove the visor.

**WARNING:** Your Raptor glasses cannot under any circumstances be washed with soap and water. Doing so will cause permanent damage.

- 1. Make sure that your Raptor is powered off. See Section 15.2 for instructions on powering down your Raptor.
- 2. Hold your Raptor upside down. Simply place one finger between the corner of the visor and the frame and your thumb in the bridge piece over the nose and simply pull on the corner of the visor to remove it from the frame
- 3. Wash the visor with lukewarm water and dry with a soft cotton or microfiber cloth. Continue to wipe with a clean & dry cloth until the visor is cleaned to your satisfaction
- 4. You can wipe the Optical Module and Camera with a Soft Dry cotton of Microfiber cloth
  - 4.1. Be sure NOT to get the frame wet as this may void your warranty.



5. Clip the visor back into the front of the Raptor. After aligning the teeth of the visor correctly, press on the both of the bottom edges of the visor until you hear it click. Make sure the visor seats well and is flush with the inside the frame, otherwise it may come loose when you are in motion.







# Interchangeable Visor

Raptor has the ability to be used during the day or during the night by simply switching to from a tinted sun-blocking visor to a clear visor that is perfect for any post dusk ride.

- 1. Hold your Raptor upside down. Simply place one finger between the corner of the visor and the frame and your thumb in the bridge piece over the nose and simply pull on the corner of the visor to remove it from the frame
- 2. To install the clear visor place it back into the front of the Raptor
  - 2.1. After aligning the teeth of the visor with the sides of the bridge, simply begin to press it in to place
  - 2.2. Start by applying pressure to one side and once aligned, apply pressure to the opposite side
  - 2.3. You will hear the visor click into place
- 3. Make sure the visor seats well and is flush with the inside the frame, otherwise it may come loose when you are in motion.





#### **Rx Insert for Visor**

One of the accessories offered for those who require prescription lenses is the Rx lens insert. These inserts allow those who would otherwise require contacts or specialized prescription riding glasses the ability to get the full AR experience provided by Raptor.

**Note:** Once receiving the RX insert, you will have to visit your optometrist to have the lenses replaced with the exact shape & size of the lenses we provided, but with your prescription.

1. The first step is to remove the visor. Hold your Raptor upside down. Simply place one finger between the corner of the visor and the frame and your thumb in the bridge piece over the nose and simply pull on the corner of the visor to remove it from the frame



- 2. Remove the existing arc frame by pulling it in from one side of the arc frame towards the middle of the gap where your nose would be
- 3. Take the RX Frame and place it in the bridge. Once you hear or feel it click into place, you will know that it's secure
- 4. Now that your prescription lenses are clipped into the bridge, you can replace the visor into the frame
- 5. Place the visor with the Rx inserts now attached back into the front of the Raptor
  - 5.1. After aligning the teeth of the visor with the sides of the bridge, simply begin to press it in to place
  - 5.2. Start by applying pressure to one side and once aligned, apply pressure to the opposite side
  - 5.3. You will hear the visor click into place
- 6. In order to clean the visor or the lenses, you will have to separate them from the visor as you have learned to do in this chapter and follow the cleaning instructions in section



# Raptor Controller - What's in the Box?

- 1. Everysight Controller
- 2. CR2032 Lithium Battery 3V (Installed)
- 3. Road Bike Mount
- 4. Mountain Bike Mount
- 5. 2 Zip Ties
- 6. Documentation

# Getting to Know Your Controller

Your controller was designed to work almost identically to the touchpad located on the side of your glasses. This gives you yet another simple way of controlling your glasses without having to take your hands too far away from the handlebars.

# Pairing Your Controller

<ol> <li>On your Raptor glasses main menu, navigate by swiping the touchpad to <b>Settings</b>. Tap to select.</li> </ol>	Settings
<ol> <li>Once in the Settings menu, navigate to Sensors and Devices. Tap to select.</li> <li>Press the Center button for two seconds and release, a Red LED light will begin to flash</li> </ol>	Craigs.J ⓒ ∰ (i)) ∰ 좋 Sensors and Devices
<ol> <li>Once in the Sensors and Devices menu, navigate to the Controller. Tap on the <b>Controller</b> to begin a Bluetooth scan, now swipe to your device controller (EVS_CTRL_XX) and tap on it to pair it with your Raptor.</li> <li>Once connected, you will be returned to the sensors and devices menu and the device or sensor you are connected to, will be highlighted in green.</li> </ol>	Controller -78dBm Controller EVS_CTRL_11



6. To your controler Device, simply rotate the carousel until the Active controller is centered and includes it's label and **Swipe Up** to disconnect from this device.





# Support

More information, instructions, tutorials and FAQs are available at <u>https://everysight.com/</u>

# **Privacy Policy**

For Everysight privacy policy applies on your use of the device and related services please refer to our Privacy Policy available at <u>https://everysight.com/</u>.

# Warrenty

The full terms and conditions of Everysight's Limited Warranty available at <u>https://everysight.com/</u>

Notices:

# RF Exposure Information (SAR)- FCC

This device meets the government's requirements for exposure to radio waves. This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government. The exposure standard employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg. Tests for SAR are conducted using standard operating positions accepted by the FCC with the EUT transmitting at the specified power level in different channels.

The FCC has granted an Equipment Authorization for this device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this device is on file with the FCC and can be found under the Display Grant section of <u>www.fcc.gov/eot/ea/fccid</u> after searching on FCC ID: 2AH97-EVG1

# FCC Compliance

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: 1. This device may not cause harmful interference, and; 2. This device must accept any interference received, including interference that may cause undesired operation.



This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

# FC

Warning: unauthorized repairs, changes or modifications not expressly made by Everysight or by its authorized service center, could result in damage to the equipment, void your warranty and void your authority to operate the equipment.

# IC Caution

This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions: (1) This device may not cause interference; and (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, et (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 (SAR)- IC

The radiated output power of the device is below the Industry Canada (IC) radio frequency exposure limits. The device should be used in such a manner such that the potential for human contact during normal operation is minimized.

This device has been evaluated for and shown compliant with the IC Specific Absorption Rate ("SAR") limits when operated in portable exposure conditions.

#### Informations concernant l'exposition aux fréquences radio (RF)

La puissance de sortie émise par l'appareil de sans fil est inférieure à la limite d'exposition aux fréquences radio d'Industry Canada (IC). Utilisez l'appareil de sans fil de façon à minimiser les contacts humains lors du fonctionnement normal.

Ce dispositif a été évalué pour et démontré conforme à la Taux IC d'absorption spécifique ("SAR") des limites lorsqu'il est utilisé dans des conditions d'exposition portatifs.



# EU Declaration of Conformity

Hereby, Everysight declares that the radio equipment type consumer is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address: <u>WWW.Everysight.com</u>

This device meets the EU requirements (2014/53/EU) on the limitation of exposure of the general public to electromagnetic fields by way of health protection.

The limits are part of extensive recommendations for the protection of the general public. These recommendations have been developed and checked by independent scientific organizations through regular and thorough evaluations of scientific studies. The unit of measurement for the European Council's recommended limit for mobile devices is the "Specific Absorption Rate" (SAR), and the SAR limit is 2.0 W/Kg averaged over 10 grams of body tissue. It meets the requirements of the International Commission on Non-Ionizing Radiation Protection (ICNIRP).

For next-to-body operation, this device has been tested and meets the ICNRP exposure guidelines and the European Standard EN 62479:2010 and EN 62209-2. SAR is measured with the device directly contacted to the body while transmitting at the highest certified output power level in all frequency bands of the mobile device.

#### Disposal

This symbol mean that product must not be discarded as household waste, and should be deliver to an appropriate collection facility for recycling. Due to certain substances use in electronic equipment, disposal with normal waste may pose a risk to the environment and human health.

Do not dispose of device/batteries in the trash! Disposed the device/batteries in compliance with local regulations, including taking your device/battery to an approved recycling facility. For more information please contact your local waste collection center. In the US, visit TBD for a location near you.

#### Trademarks

- **Everysight** and related trademarks, names and logos are the property of Everysight Ltd. and are registered and / or used in the US and countries around the world
- Android<sup>™</sup> and the Google Play logos are trademarks of Google Inc
- "Made for iPhone" means that an electronic accessory has been designed to connect specifically to iPhone and has been certified by the developer to meet Apple's performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this



accessory with an iPhone may affect wireless performance

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- The Bluetooth<sup>®</sup> word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks is under license
- Wi-Fi
- Ant+: This product is ANT+TM certified and complies with the following specified ANT+ Device profiles
- All other trademarks and copyrights are the property of their respective owners

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