

iOS WunderLINQ App Documentation

Initial Setup

Pair your phone to the WunderLINQ hardware.

Insert the WunderLINQ hardware into your motorcycles navigation cradle and turn on your ignition. Once the ignition is on the WunderLINQ's status light should go from flashing green to flashing blue.



Go into your mobile devices Bluetooth settings and pair it with the WunderLINQ. Select the WunderLINQ device to pair with.



The WunderLINQ should now show as “Connected” in your Bluetooth settings and the WunderLINQ status light should be solid blue.

If your bike has a TFT instrument cluster, you must put it in Nav mode to pass the wheel presses to the cradle.

At this point, your Wunder Wheel should act as normal keyboard input. This works independently of the WunderLINQ app being installed. Below is the mapping between Wunder Wheel input and keyboard input.

Scroll Wheel Up:	UP Arrow
Scroll Wheel Down:	DOWN Arrow
Wheel Left:	LEFT Arrow
Wheel Right:	RIGHT Arrow
Wheel Left Long Press:	ESCAPE
Wheel Right Long Press:	Enter

Install the WunderLINQ App

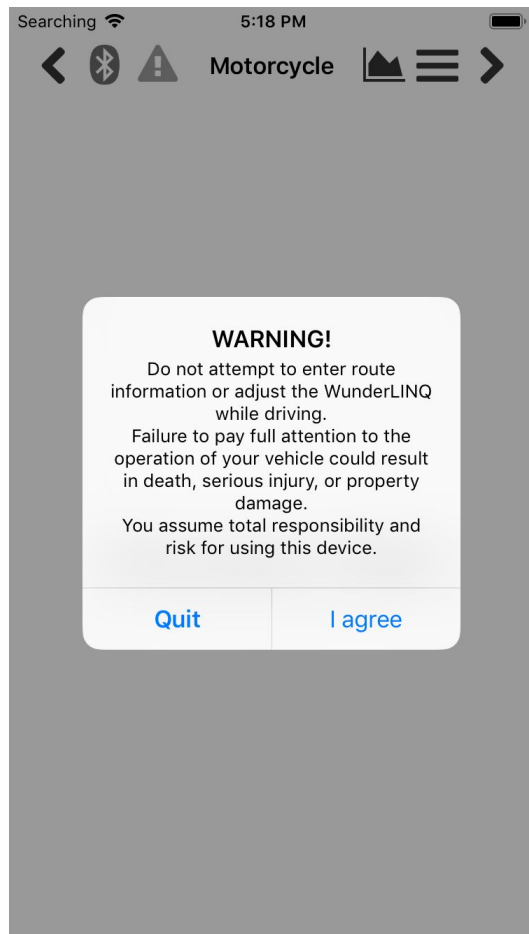
Go to the Apple App Store on your device and install the “[WunderLINQ](#)” App.

Initial WunderLINQ App Setup

Grant Permissions

On the first launch of the WunderLINQ App, you will be prompted to grant numerous different permissions that the WunderLINQ App requires to function. Failure to grant these permissions will result in reduced or no functionality in the WunderLINQ App and will continue to prompt you to grant them.

Usage Warning

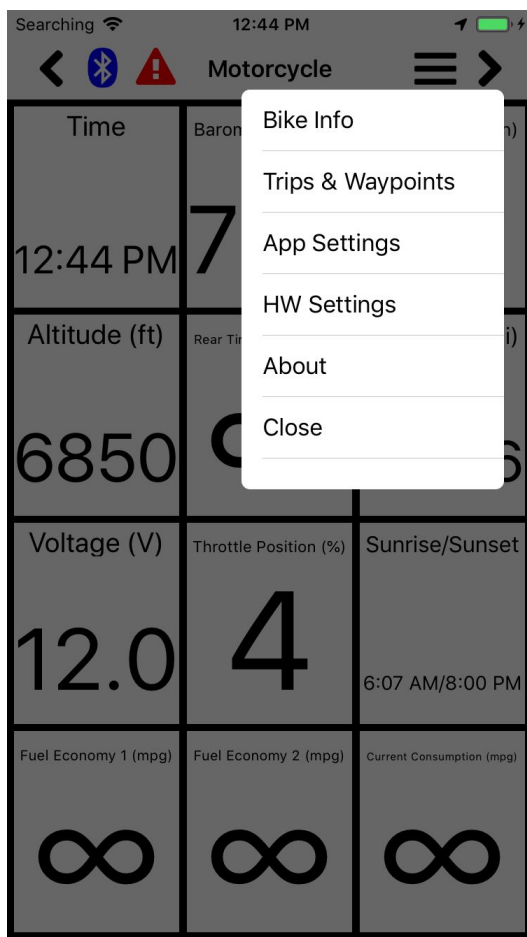



On the first launch of the day, you will be presented with a Warning that you must agree to before using the App.

After completing the [Initial Setup](#) section, the WunderLINQ hardware will automatically reconnect to your iOS device when powered on. Launch the WunderLINQ App and it will indicate a connection with the blue Bluetooth icon. If you have a supported motorcycle with data you should see some data populated. *Please note some values like tire pressure don't show initial readings until the bike has moved some distance.*

RT Owners

RT Owners the first thing you'll want to do is to put the WunderLINQ Wunder Wheel Mode to RT under the [HW Settings](#) Menu option.



On the Motorcycle, screen touch the  Menu button. Then select "[HW Settings](#)".

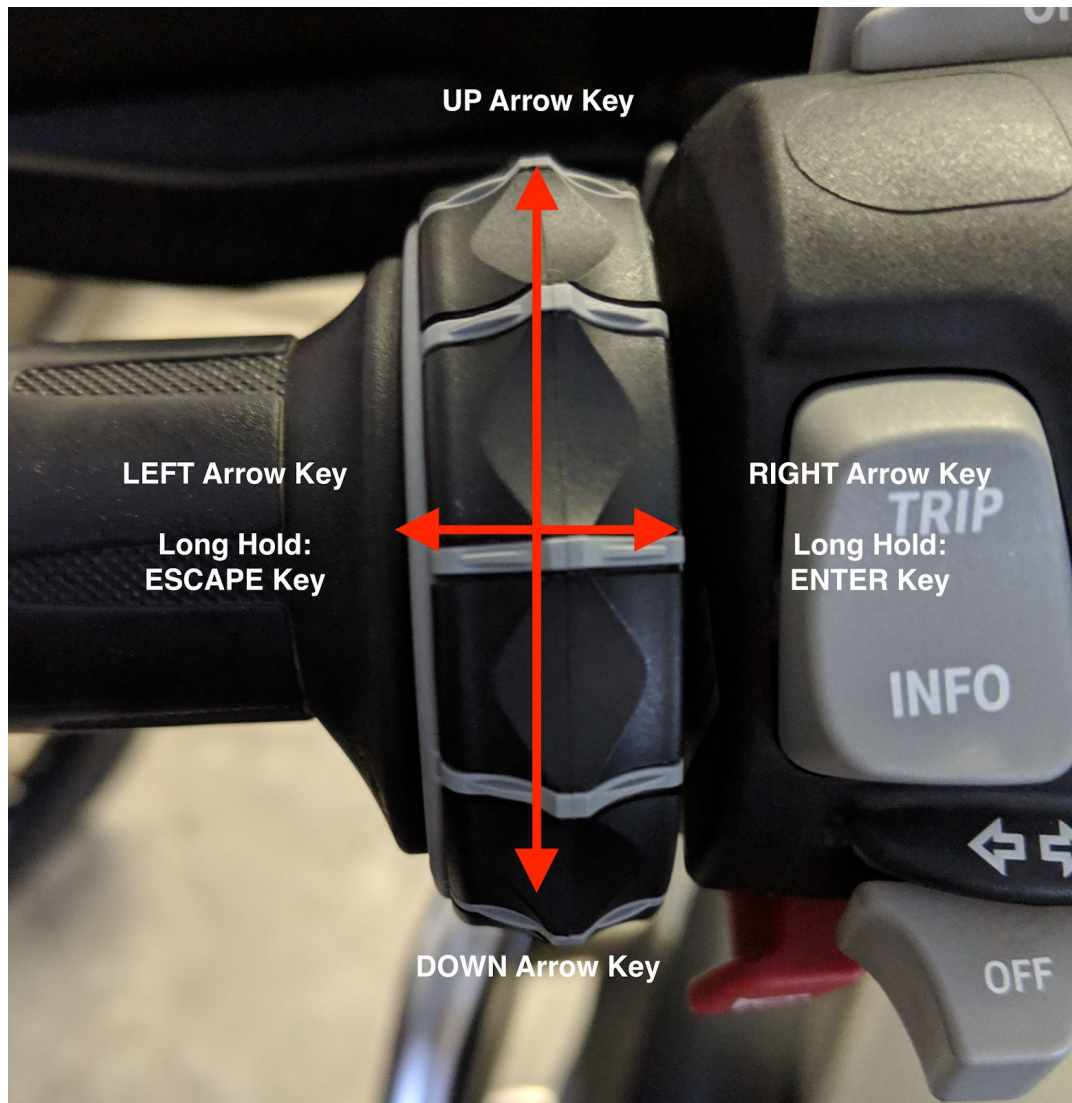
WunderLINQ App Usage

Screen Navigation

You can navigate through the main WunderLINQ App screens using one of three methods.

1. Wunder Wheel Left and Right Presses
2. Left and Right Swipe Gestures
3. ◀ and ▶ in App buttons

Below is the default key mapping, this is the mapping for all bikes except the RT.



Below is the mapping between Wunder Wheel input and keyboard input.

Scroll Wheel Up:	UP Arrow
Scroll Wheel Down:	DOWN Arrow
Wheel Left:	LEFT Arrow
Wheel Right:	RIGHT Arrow
Wheel Left Long Press:	ESCAPE
Wheel Right Long Press:	Enter

Below is the mapping between Wunder Wheel input and keyboard input on RT and K1600.

Zoom+	UP Arrow
Zoom-	DOWN Arrow
Page	Right Arrow
Page Double Click	Enter
Scroll	Left Arrow
Scroll Double Click	Escape

Motorcycle Screen

The Motorcycle screen displays a customizable grid of data points provided by your motorcycle and phone. Bluetooth connection status, active fault status, and buttons to a few other functions are also available. To customize the grid you can by long-pressing a cell or under the [App Settings](#).

WunderLINQ Controls:

Scroll Wheel Up/Swipe Up:

Increase cell count

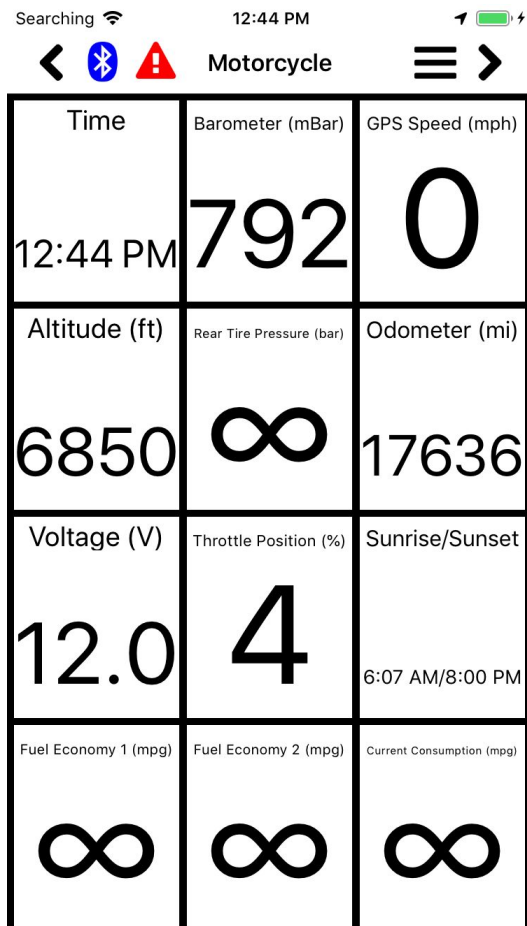
Scroll Wheel Down/Swipe Down:

Decrease cell count

Touch Controls:

Long Press cell:

Select cell data point



< Previous screen button

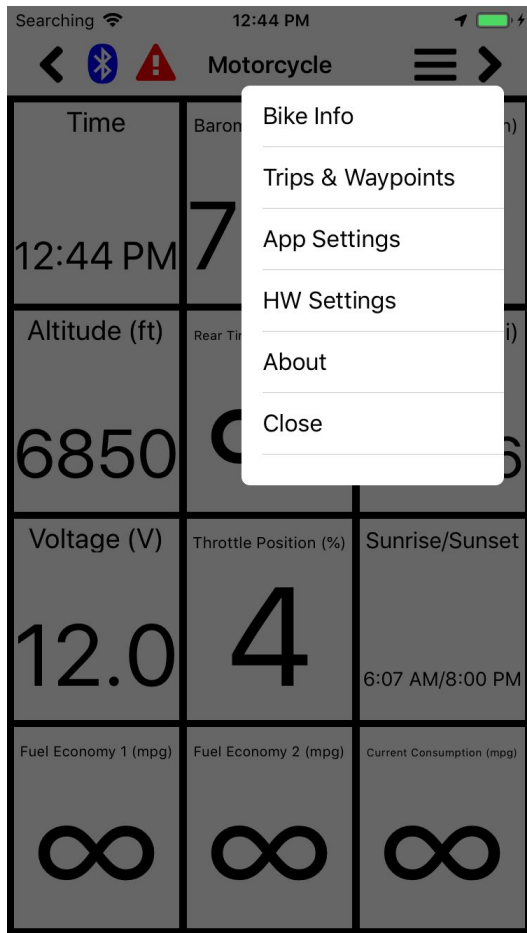
Bluetooth icon Denotes active connection to the WunderLINQ hardware


Red Bluetooth icon Denotes no connection to the WunderLINQ hardware.

Red warning triangle Denotes active motorcycle faults, it can be pressed to view a list of active faults.

Menu icon Menu button

> Next screen button



The  button will display a popup menu. That includes options to:

Bike Info: Displays bike VIN and next service information

Trips & Waypoint: View and manage saved data

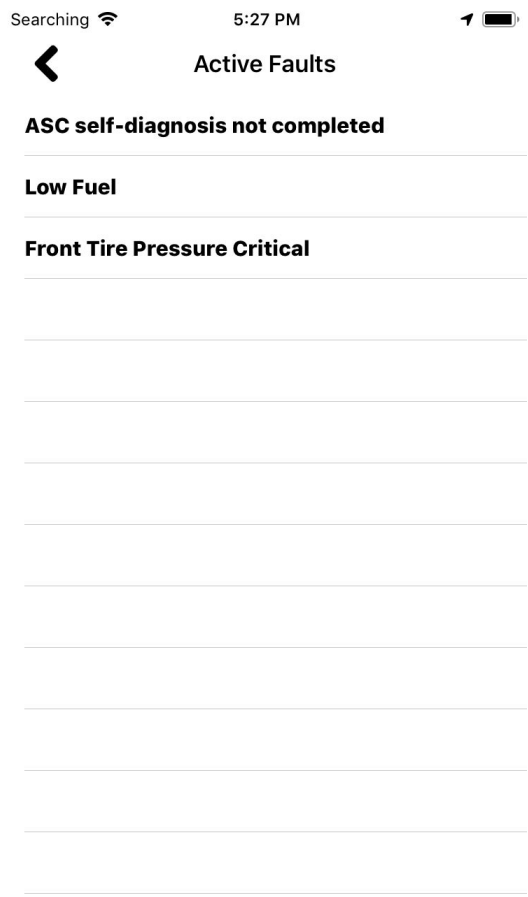
App Settings: Settings that impact the app

HW Settings: Settings that impact the WunderLINQ hardware

About: Displays information about the app and includes links to the WunderLINQ web site.

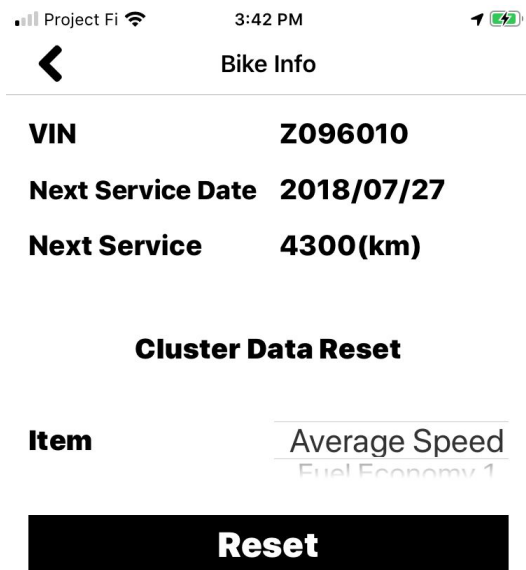
Close: closes App

Active Fault Screen



The Active Faults screen Displays a list of currently active faults. For an updated list of support faults, follow this [link](#).

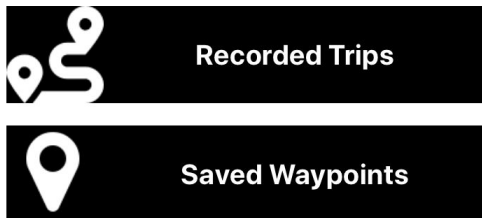
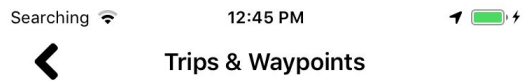
Bike Info Screen



The Bike Info page displays your motorcycles VIN, next service date and distance to next service.

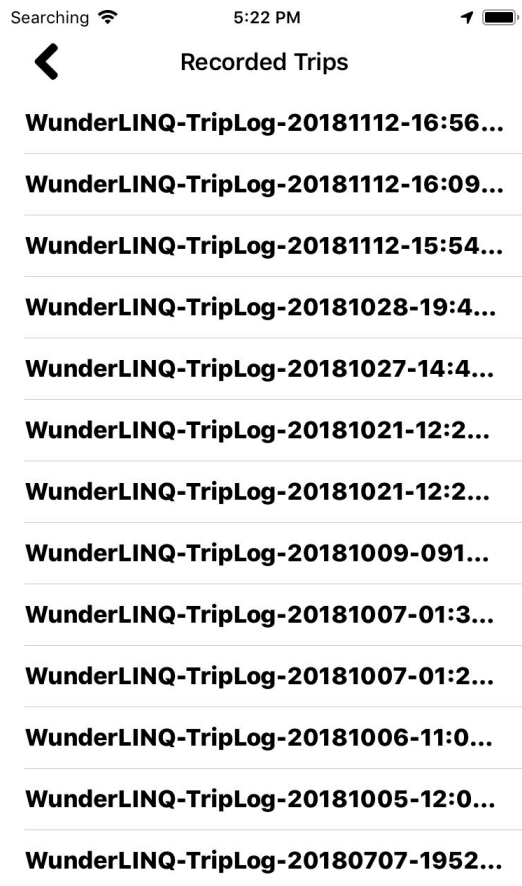
Below your bike info there is an option to reset some of your bike's cluster data. Currently, you can reset Trip, Fuel Economy and Average Speed Counters.

Data Management Screens



The initial screen allows you to select from your saved trip logs and waypoints.

Recorded Trips Screen



The Recorded Trips screen displays the trip logs recorded using the Start/Stop Trip Recording Quick Task.

Touch the trip that you would like to manage.

Trip Screen

The Trip screen displays a map of the trip and a summary of the data recorded

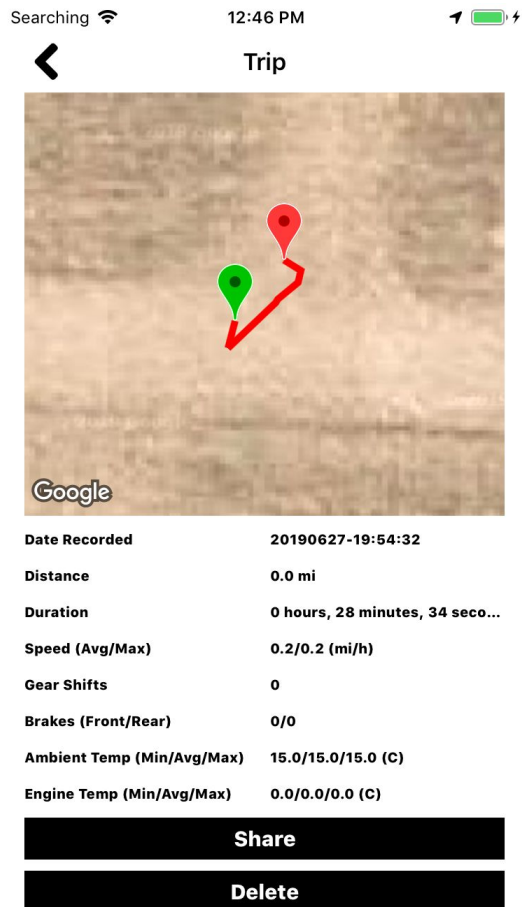
Controls:

Swipe Left:

Previous Trip

Swipe Right:

Next Trip

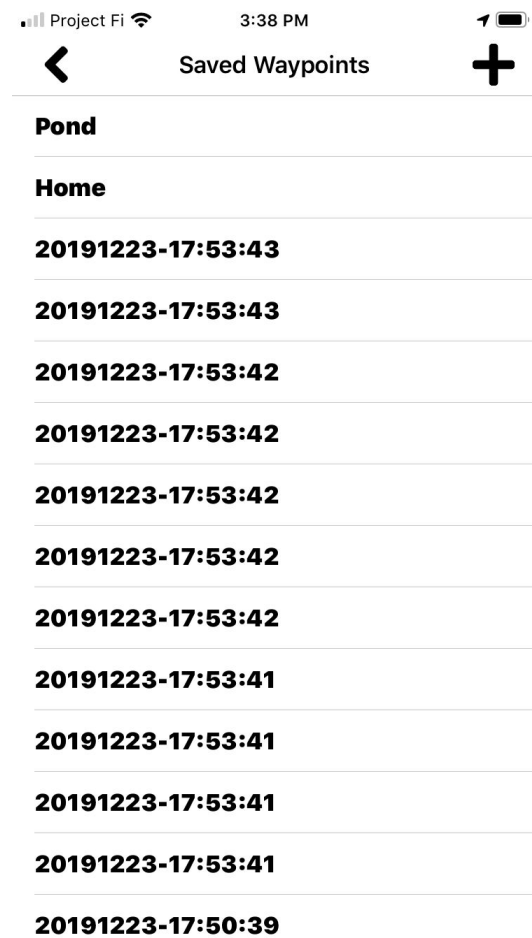


Share sends the trip log in CSV format through a variety of methods. You can use a site like <http://www.gpsvisualizer.com> to draw your track on a map.

Delete permanently removes the trip log

Saved Waypoints Screen

The Saved Waypoints screen displays the waypoints saved using the Save Waypoint Quick Task.



Touch the waypoint that you would like to manage.

You can also manually add a waypoint by touching the **+** icon.

Saved Waypoint Screen

The Saved Waypoint screen displays a map with the waypoint, the date recorded, location and an editable label.

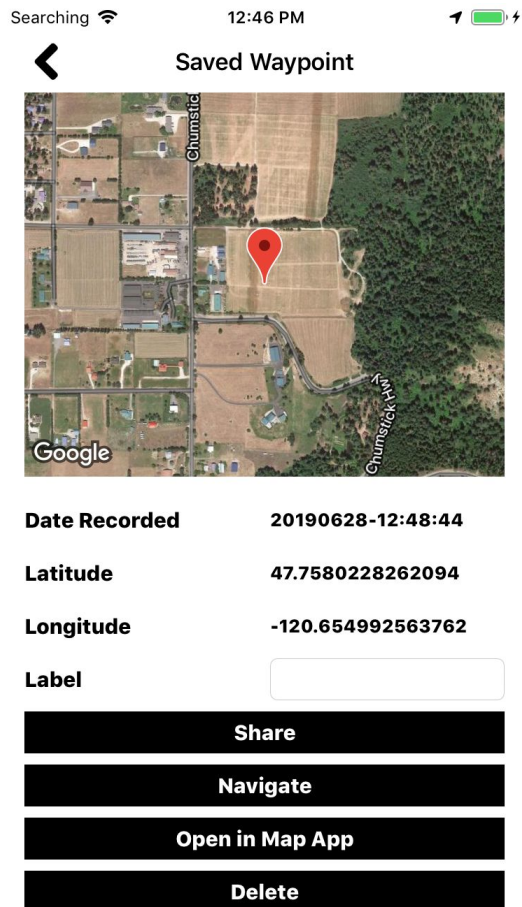
Controls:

Swipe Left:

Previous Waypoint

Swipe Right:

Next Waypoint



Label: field to assign a label to the waypoint

Share: sends a Google Maps link through a variety of methods

Navigate: will route you to the waypoint in your preferred map application

Open In Map App: will open the location in your preferred map application

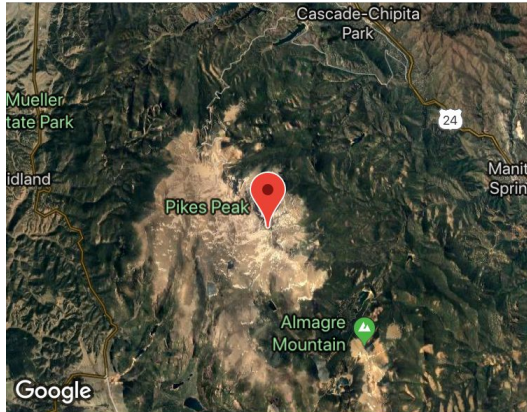
Delete: permanently removes the trip log

Add Waypoint Screen

The Add Waypoint screen displays a map with a pin showing the currently selected location.

Project Fi 3:39 PM

← Add Waypoint



Drop pin or lookup address

Type Address

Lookup

Latitude 38.83990530212225

Longitude -105.04246417433023

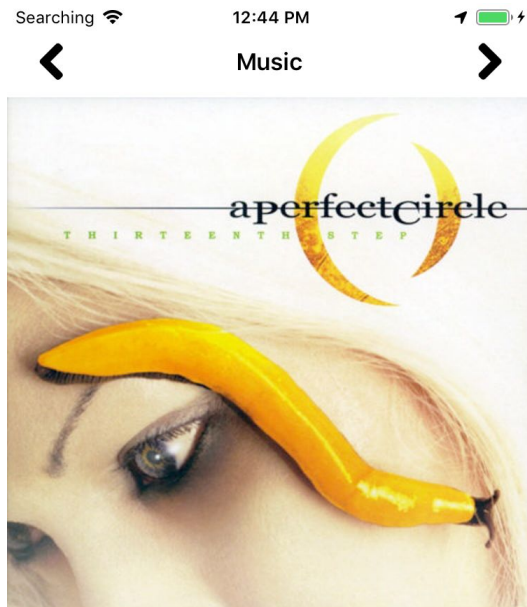
Label Pikes Peak

Save

To add a new waypoint either use the address lookup or manually drop the pin on the map but touching the location on the map. When ready touch “Save”

Music Screen

The Music Screen will play music from your iTunes Library or Spotify. Spotify support requires that you have the Spotify app installed and setup.



**A Perfect Circle
Vanishing
Thirteenth Step**

WunderLINQ Controls:

Scroll Wheel Up:

Scroll Wheel Down:

Wheel Left:

Wheel Right:

Wheel Right Long Press:

Next Song

Previous Song

Page Left

Page Right

Play/Pause



Quick Tasks Screen

The Quick Tasks screen provides quick access via Wunder Wheel to some convenient functions. The task list can be customized under the [App Settings](#).



Task Options

Navigation: Launches a supported 3rd party navigation app into driving mode.

Go Home: Launches a supported 3rd party navigation app and routes you to the destination you've defined in the WunderLINQ App Settings

Call Favorite Number: Launches your phone app and dials the phone number you've defined in the WunderLINQ App Settings

Call Contact: Provides a list of your address book phone numbers that you can in turn call.

Take Phone: Takes a picture with your iOS devices rear camera.

Take Selfie Takes a picture with your iOS devices front camera.

Start/Stop Recording: Controls video recording through your iOS devices rear camera.

Start/Stop Trip Log: Controls trip logging. Trip logging includes location and performance data.

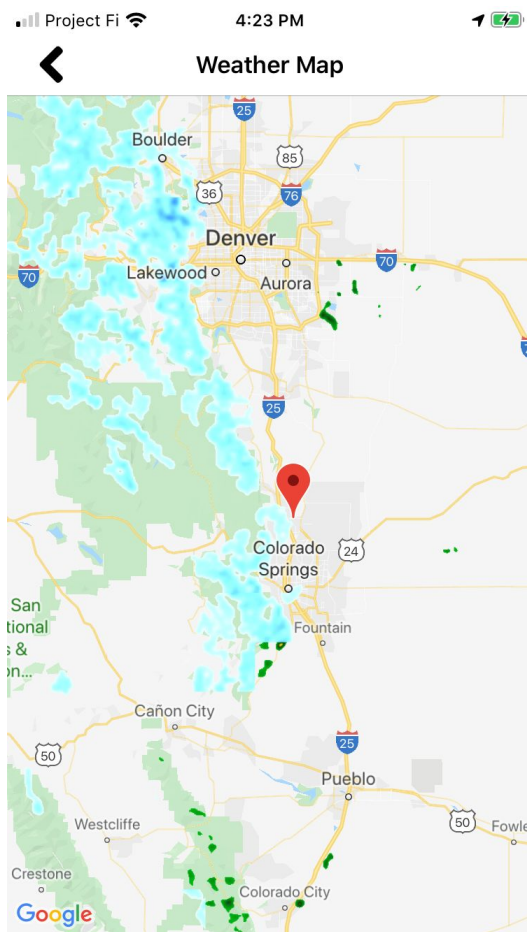
Save Waypoint: Save your current location as a waypoint to be viewed later.

Navigate to Waypoint: Launches a supported 3rd party navigation app and routes you to the saved waypoint.

Settings: Launch App Settings

Start/Stop ActionCam Recording: Control compatible ActionCam's shutter

Weather Map: Display a zoomable weather map with precipitation overlay



Settings Screen

User Interface Settings

The Settings screen provides access to all of the WunderLINQ App settings.



Home Address: The address set here is used by the “Go Home” Quick Task

Favorite Phone Number: The number set here is used by the “Call Favorite Number” Quick Task

Disable performance data display: Enable to replace data grid with a splash screen on the Motorcycle Screen

Data Grid Customization: Brings you to a screen to customize the data grid on the Motorcycle Screen

Quick Task Customization: Brings you to a screen to customize the tasks on the Quick Task Screen

Pressure Unit: Select your preferred pressure unit for display

Temperature Unit: Select your preferred temperature unit for display

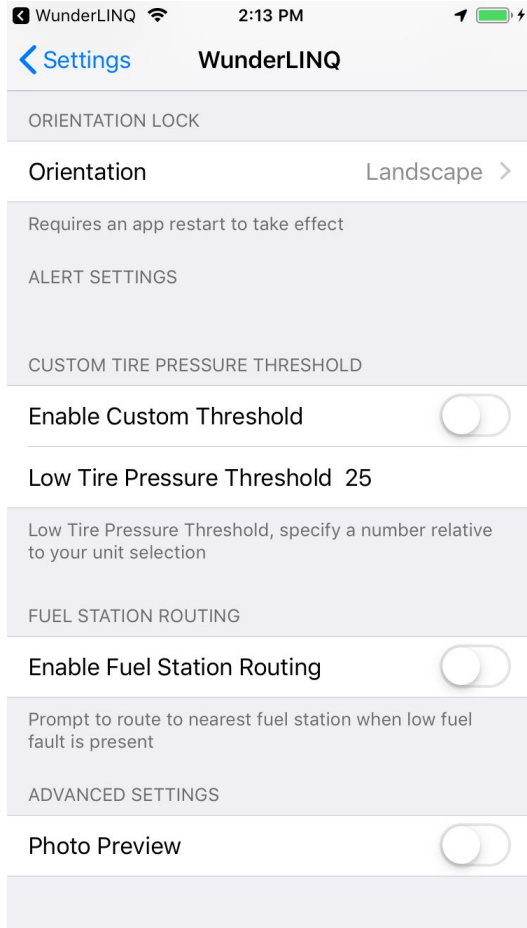
Distance Unit: Select your preferred distance unit for display

Bearing Unit: Select your preferred bearing unit for compass display

Contact List Sorting: Sort the contact list by First or Last Name

Max Display Brightness: Set display brightness to the max when in day mode.

Night Mode: Enable to turn on the white on black mode for easier on the eyes night experience.



Orientation Lock: Select the orientation to lock the UI at.

Alert Settings

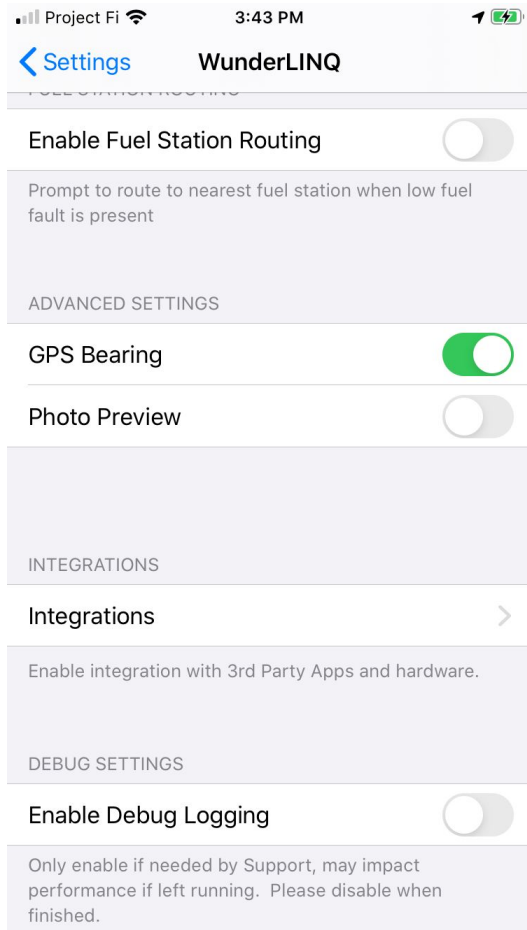
Custom Tire Pressure Threshold: Override bike fault and use a custom pressure threshold.

Low Tire Pressure Threshold: Specify a value relative to your set pressure unit.

Fuel Routing: Enable to present a prompt to navigate to the nearest fuel station.

Integrations

[Integrations](#): Settings for 3rd party software and hardware integrations



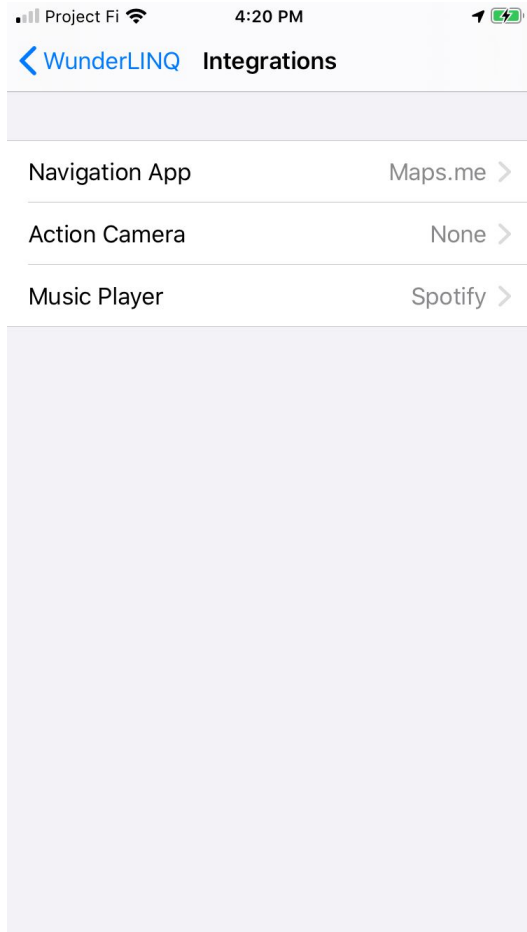
Advanced Settings

GPS Bearing: Select to use GPS bearing instead on compass

Photo Preview: Displays photo after capture

Debug Settings

Enable Debug Logging: Only enable if requested, and should be shut off when you are done. May cause performance issues if left on.



Integrations

Navigation App: Select preferred Navigation App

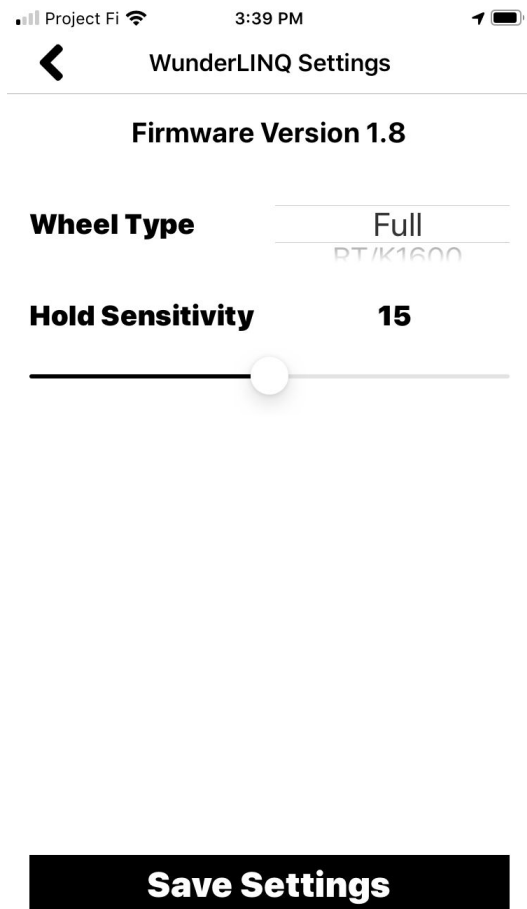
Action Camera: Select preferred [Action Camera](#)

Music Player: Select between Apple Music and Spotify

HW Settings Screen

The HW Settings screen provides access to all of the WunderLINQ Hardware settings. Currently, these settings control how the Wunder Wheel performs.

WunderLINQ Hardware Settings



Firmware version is displayed at the top if running firmware ≥ 1.7

Wheel Type: This is what type of wheel you have the current choices are “Full” and “RT”

Hold Sensitivity: Controls the delay for registering long presses or double clicks.

Save Settings: Writes the settings change to the WunderLINQ. **After saving your settings please remove your WunderLINQ from the cradle then reinsert to perform a full reset.**

3rd Party Integrations and Tweaks

Apps

iOS Settings

The following steps were contributed by one of our customers.

You can leverage iOS Accessibility settings to use the Wunder Wheel to navigate the iOS user interface. The settings area of interest is the “Accessibility” > “Switch Control” settings. This allows you to use a cursor to move around the user interface, and also go back to the home screen or call up “Shortcuts” which can take you to other apps, or trigger multiple events.

To do this, when your WunderLINQ is connected to the phone, you can trigger the “Switches” by moving the Wonder Wheel.

Example “Switch Control” mapping:

Wheel down = Down = Move to previous item

Wheel up = Up = Move to next item

Wheel Left = Left = Home (iOS Home screen)

Wheel Right = Select = iOS screen tab

Wheel Long Left = Shortcut menu = iOS Shortcuts

Wheel Long Right = App Switcher = iOS App switcher (swipe up and right, or double tab home depending on phone)

4:44



[Switch Control](#) Switches

[Edit](#)

SWITCHES

Down Move To Previous Item >

Left Home >

Long Left Shortcuts Menu >

Long Right App Switcher >

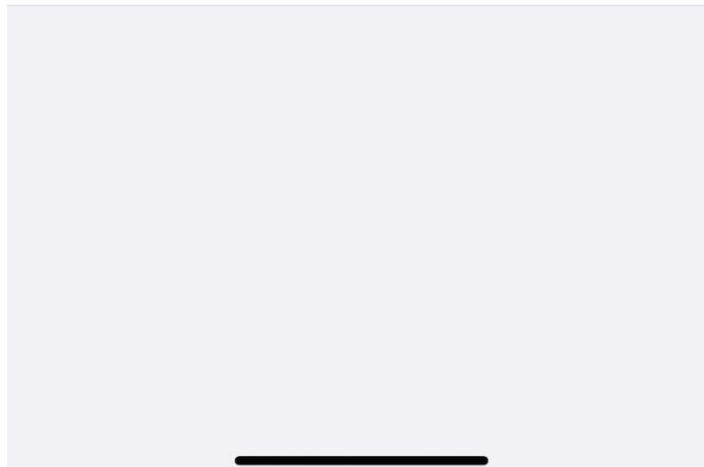
Right Select Item >

Up Move To Next Item >

Add New Switch... >

One switch should be assigned to the Select Item action and another to the Move To Next Item action, to ensure Switch Control functions correctly.

Bluetooth Devices... >

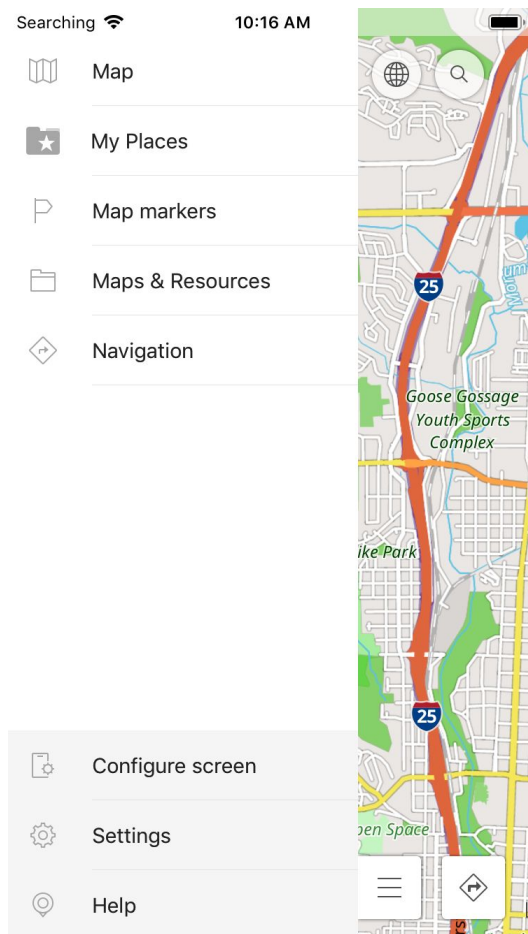


This basically gives you the ability to navigate around iOS from the Wunder Wheel by turning the wheel up/down, clicking right to select/tab or left to go "Home".

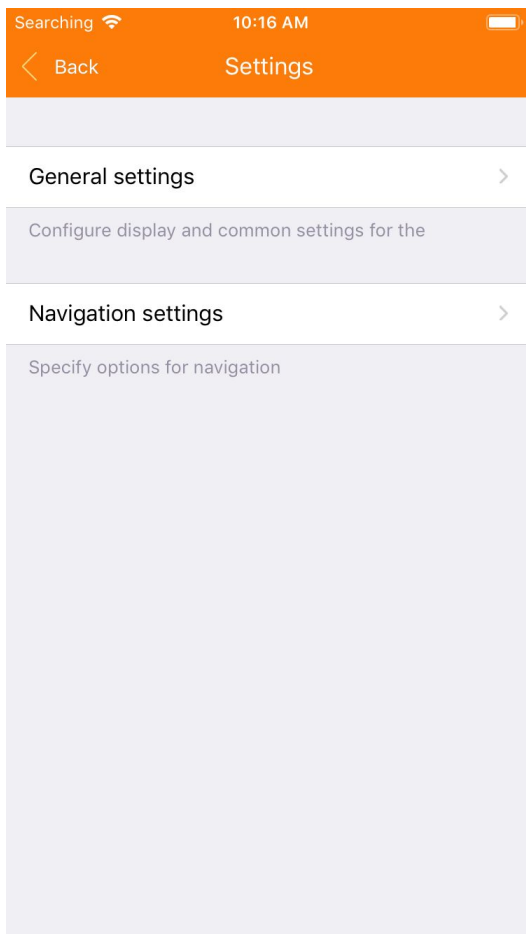
To activate the "Switch Control" in iOS, you can set it to turn on or off with 3 quick clicks of the power button on the phone; easy to enable/disable when getting on or off the bike.

OsmAnd Enable WunderLINQ Support

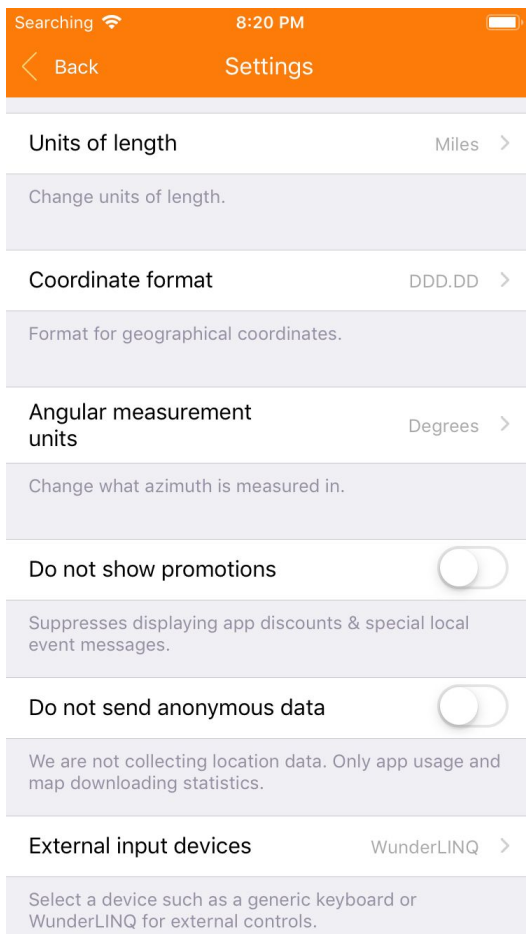
OsmAnd includes WunderLINQ support for Map Zooming and returning to the WunderLINQ App.



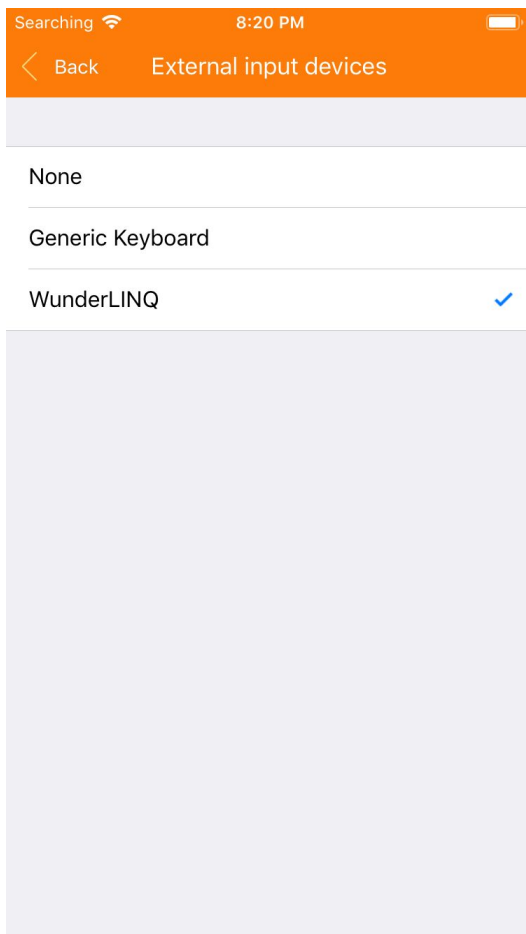
Open the drawer and select "Settings"



Select “General settings”



Scroll to the bottom and select “External input devices”

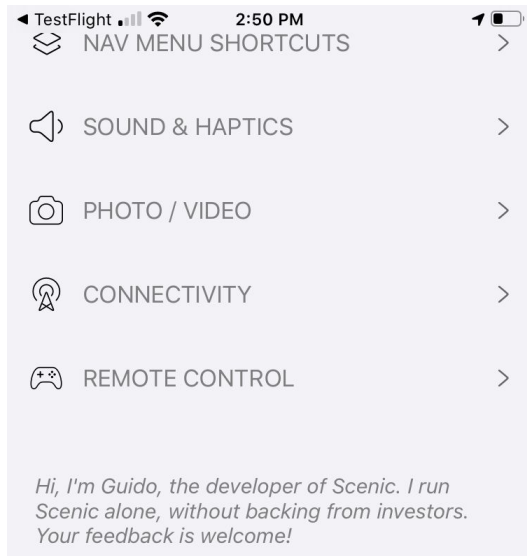


Select "WunderLINQ"

That's it!

Scenic Enable WunderLINQ Support

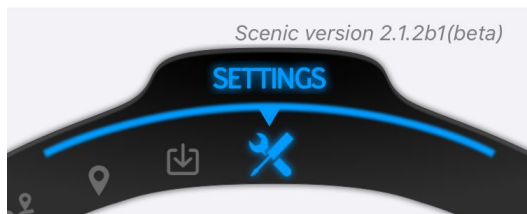
Scenic includes WunderLINQ support for complete UI control and returning to the WunderLINQ App.



Select "SETTINGS" then scroll to and select "REMOTE CONTROL"

Questions & Feedback >

Please Rate Scenic >
It would mean a lot to me ❤️





I have a Remote ☒

WunderLINQ [Info](#)

Wheel Left [Previous Song >](#)

Wheel Right [Next Song >](#)

Wheel Up [Zoom In >](#)

Wheel Down [Zoom Out >](#)

Left Long Press [Open WunderLINQ... >](#)

Right Long Press [Reserved](#)

Toggle “I have a Remote” and change “Left Long Press” to “Open WunderLINQ App”



Hardware

ActionCams

GoPro

GoPro Hero 3 and newer cameras shutter can be controlled via the ActionCam QuickTask. The GoPro must be paired and connected to your smartphone before the WunderLINQ app can control it.