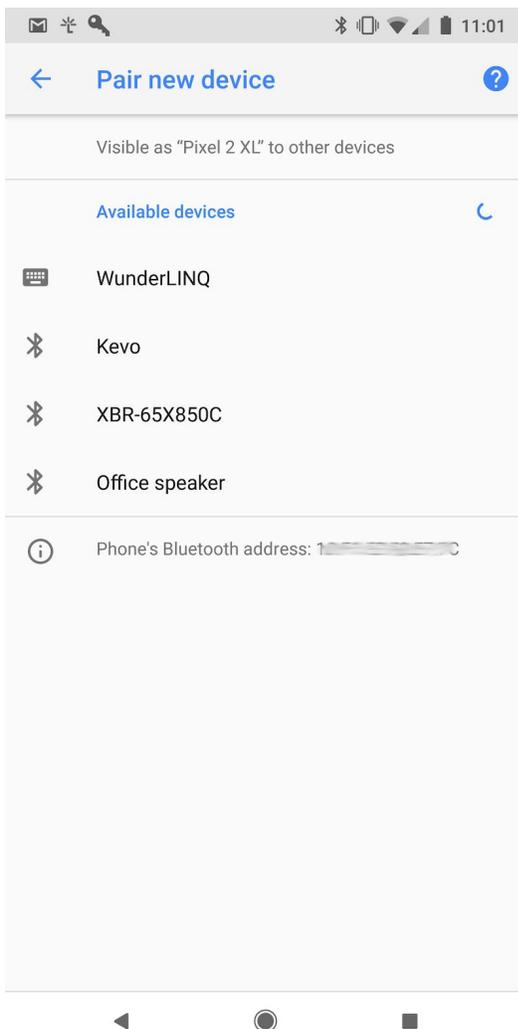


Android WunderLINQ App Documentation

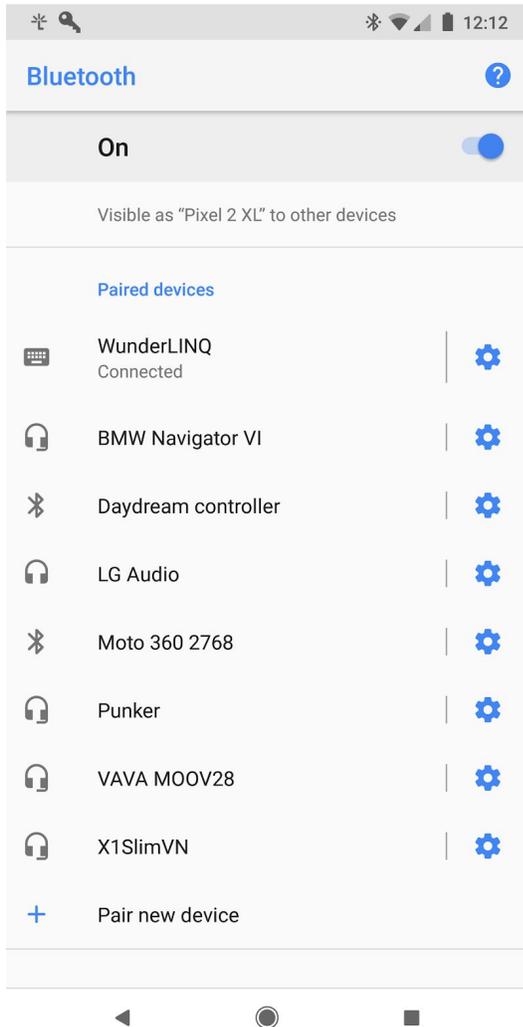
Initial Setup

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

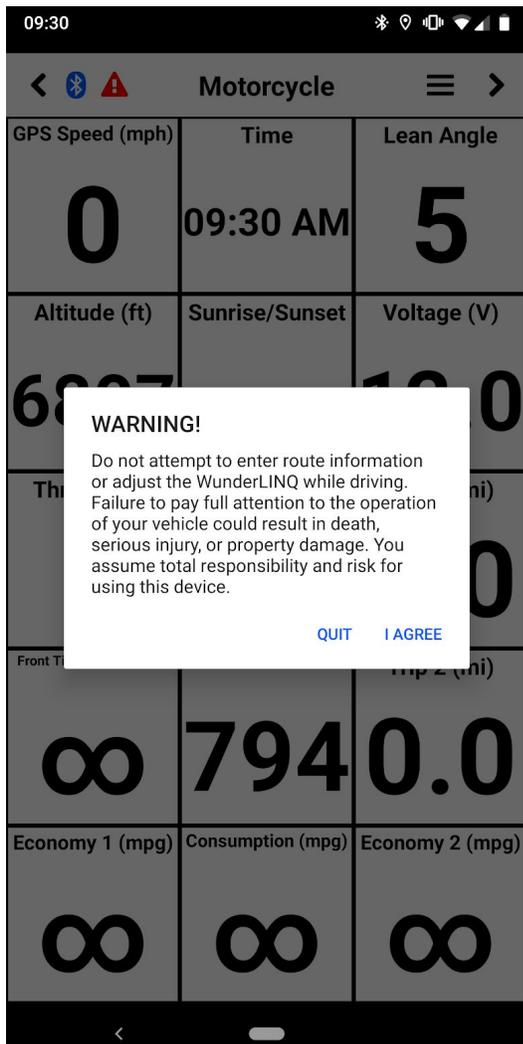
[Go to the Google Play Store and install](#)

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

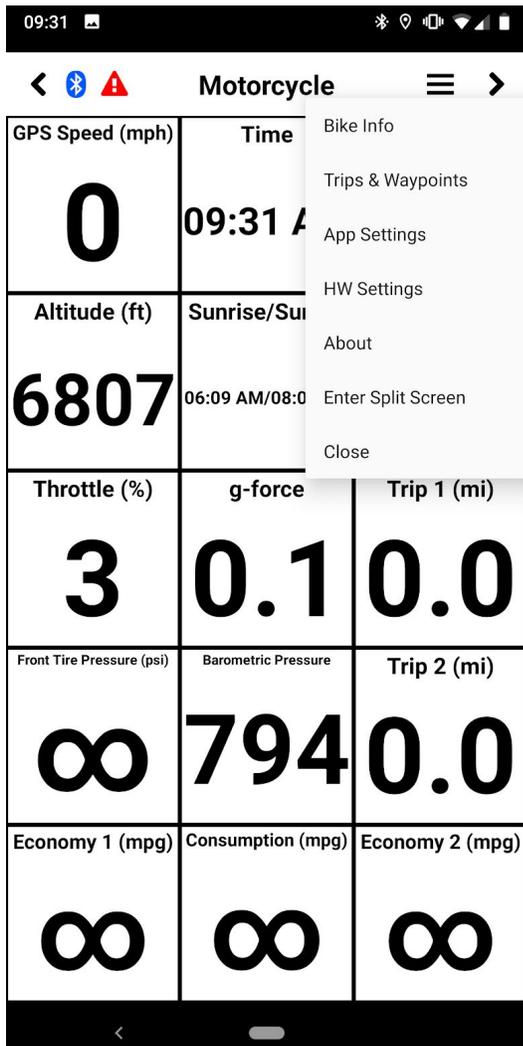


On the first launch of the day, you will be presented with a Warning that you must agree to before using the App.

After completing the [Initial Setup](#) section, the WunderLINQ hardware will automatically reconnect to your Android device when powered on. On connection, the WunderLINQ App should automatically launch on your device and show connected with 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/K1600 Owners

RT Owners the first thing you'll want to do is to put the WunderLINQ Wunder Wheel Mode to RT/K1600 under the [HW Settings Menu](#) option.



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

WunderLINQ App Usage

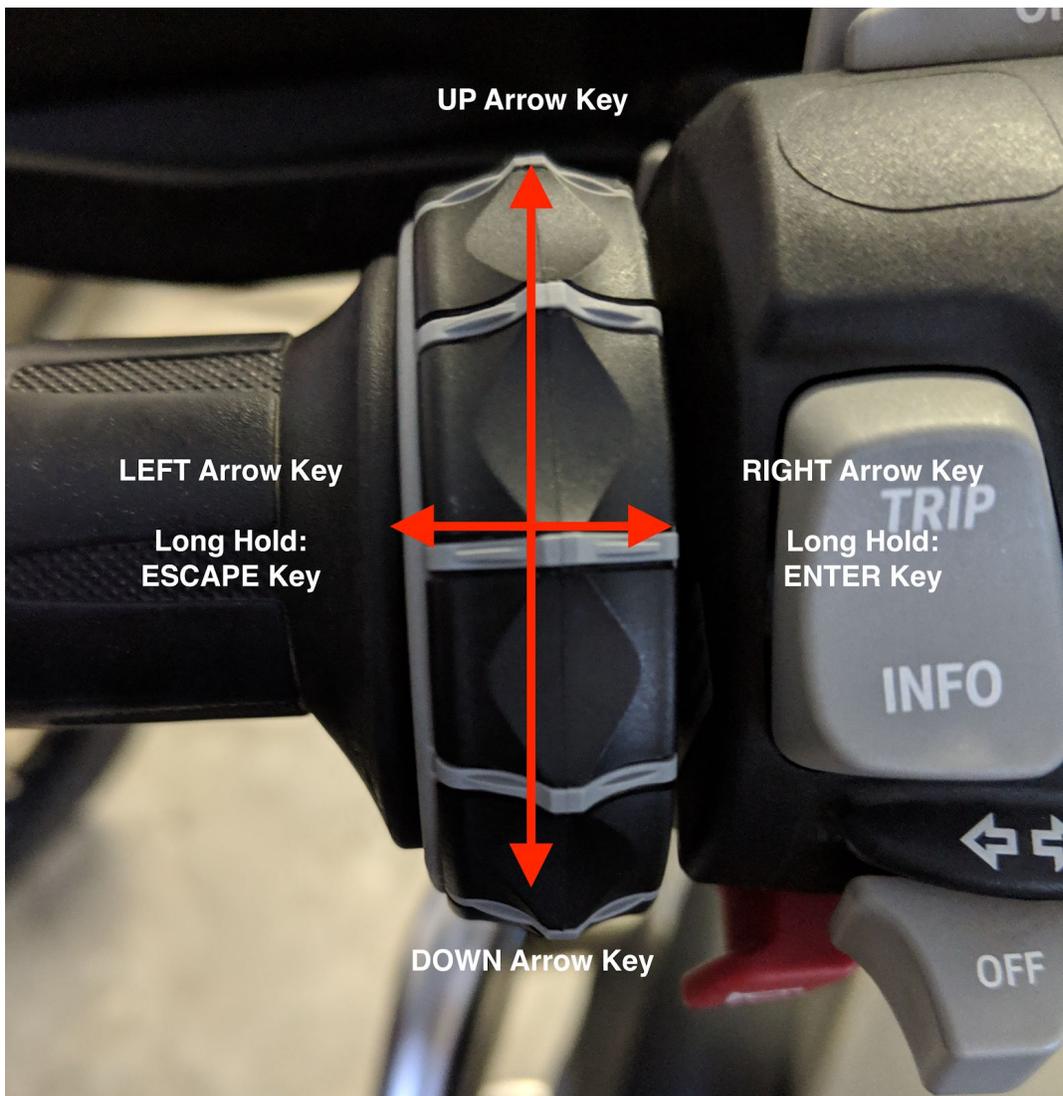
General Screen Navigation

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

To navigate options within a screen you can scroll up and down on the Wunder Wheel then using a long right press to select.

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

GPS Speed (mph)	Time	Lean Angle
0	09:31 AM	6
Altitude (ft)	Sunrise/Sunset	Voltage (V)
6806	06:09 AM/08:02 PM	12.0
Throttle (%)	g-force	Trip 1 (mi)
3	0.2	20.0
Front Tire Pressure (psi)	Barometric Pressure	Trip 2 (mi)
∞	794	20.0
Economy 1 (mpg)	Consumption (mpg)	Economy 2 (mpg)
∞	∞	∞

◀ Previous screen button

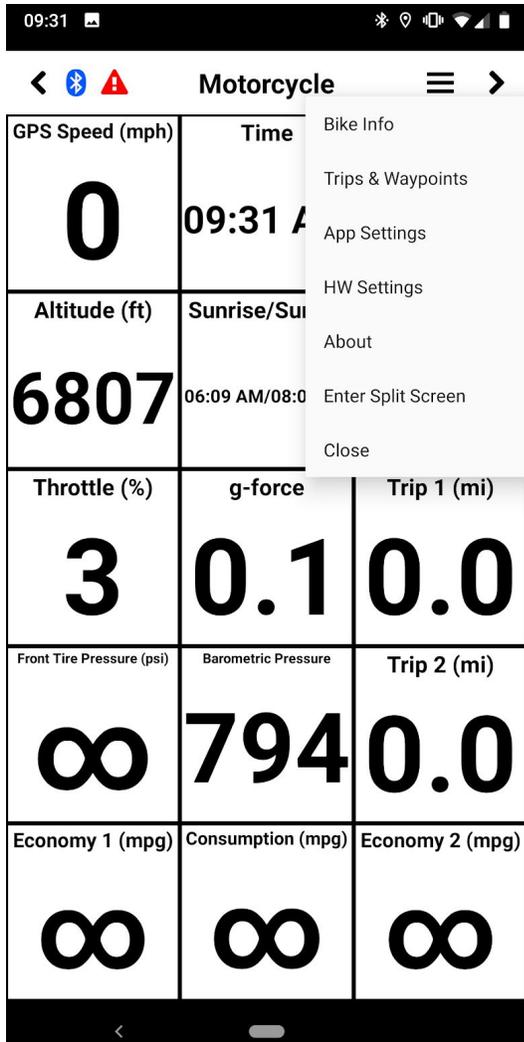
📶 Denotes active connection to the WunderLINQ hardware

🚫 Denotes no connection to the WunderLINQ hardware.

⚠️ Denotes active motorcycle faults, it can be pressed to view a [list](#) of active faults.

☰ 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

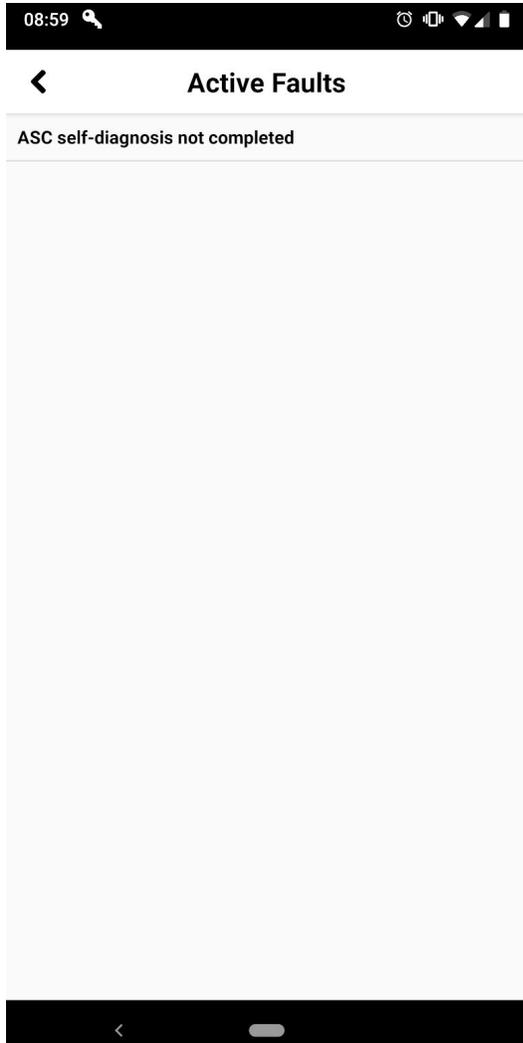
[HW Settings](#): Settings that impact the WunderLINQ hardware

[About](#): Displays information about the app and includes links to the WunderLINQ web site.

Enter Split Screen: starts Android Split Screen Mode

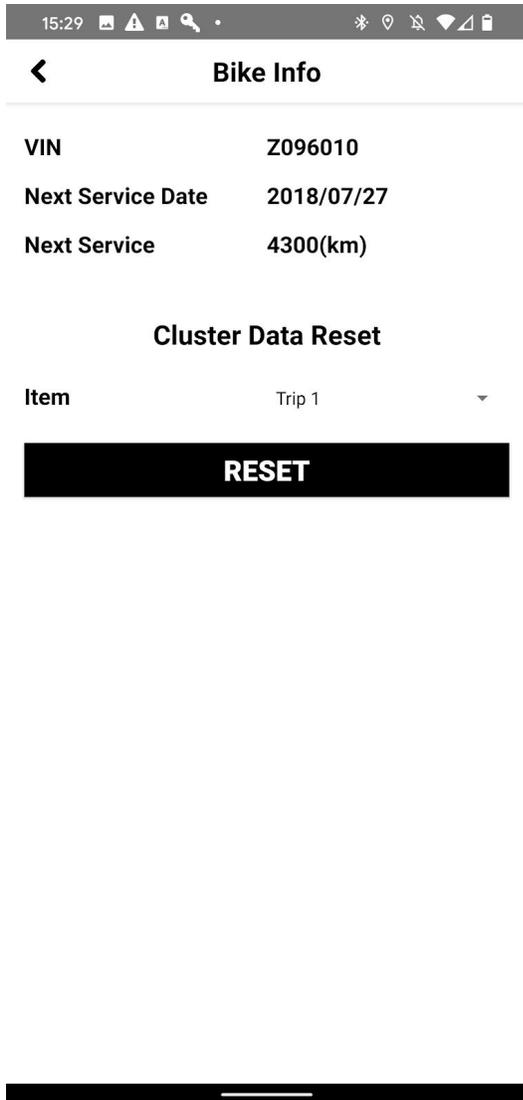
Close: closes App

Active Fault Screen



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

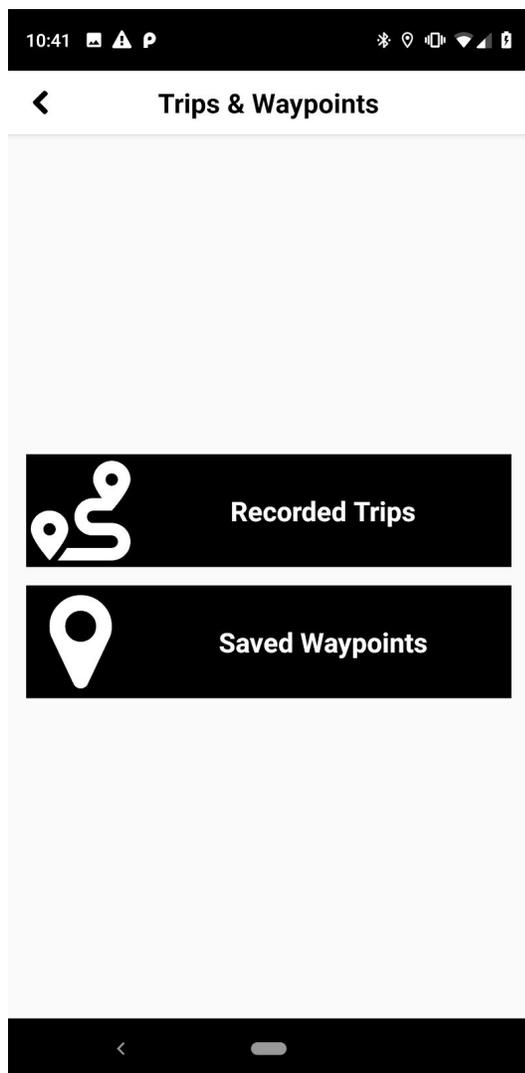
Bike Info Screen



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.

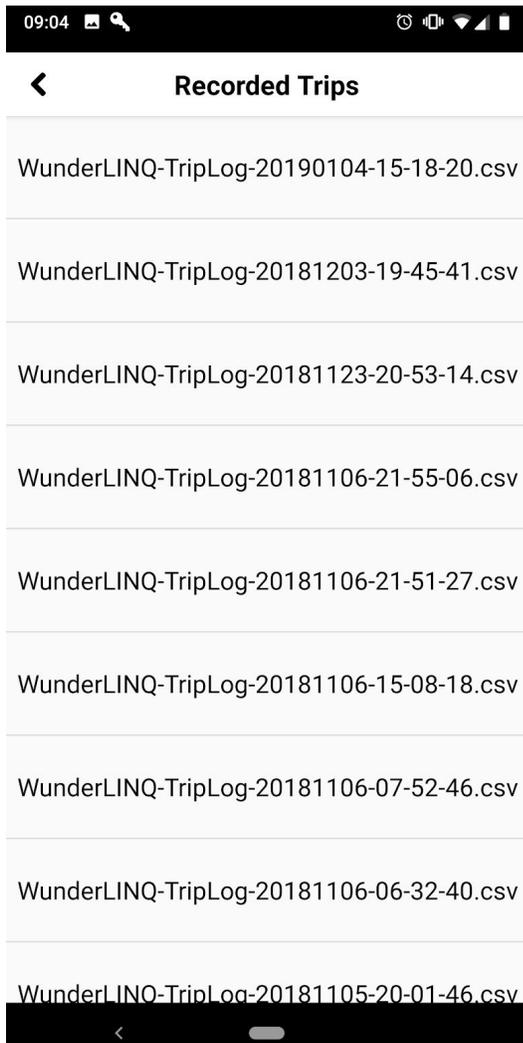
Data Management Screens



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

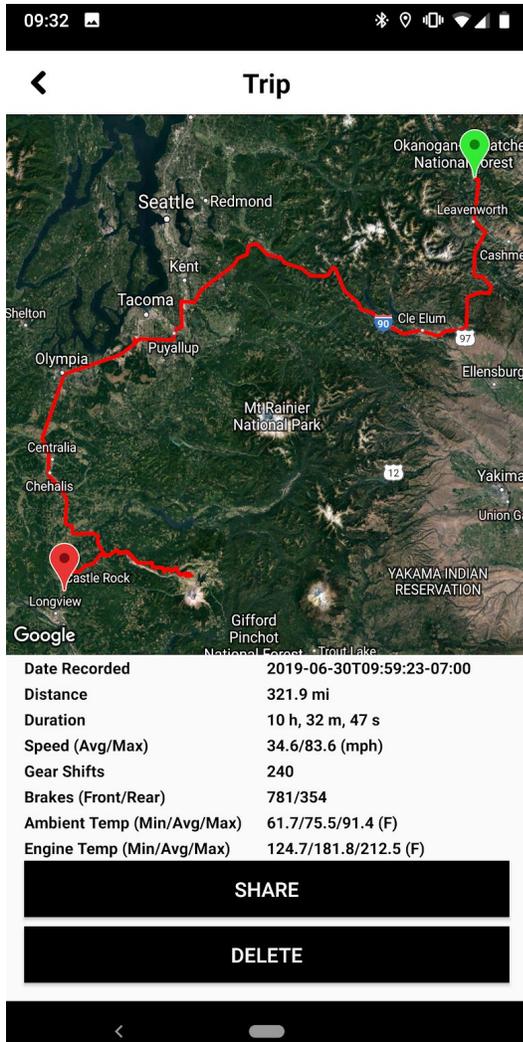
Controls:

Swipe Left:

Previous Trip

Swipe Right:

Next Trip

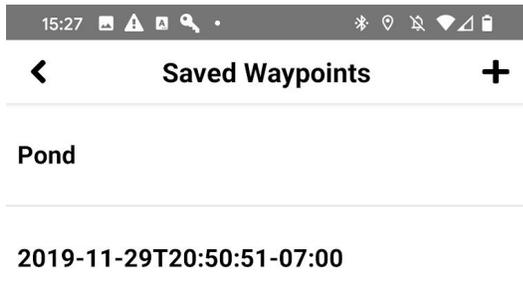


Share sends the trip log in CSV format through a variety of methods. You can use a site like <http://www.gpsvisualizer.com> to draw your track on a map.

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.

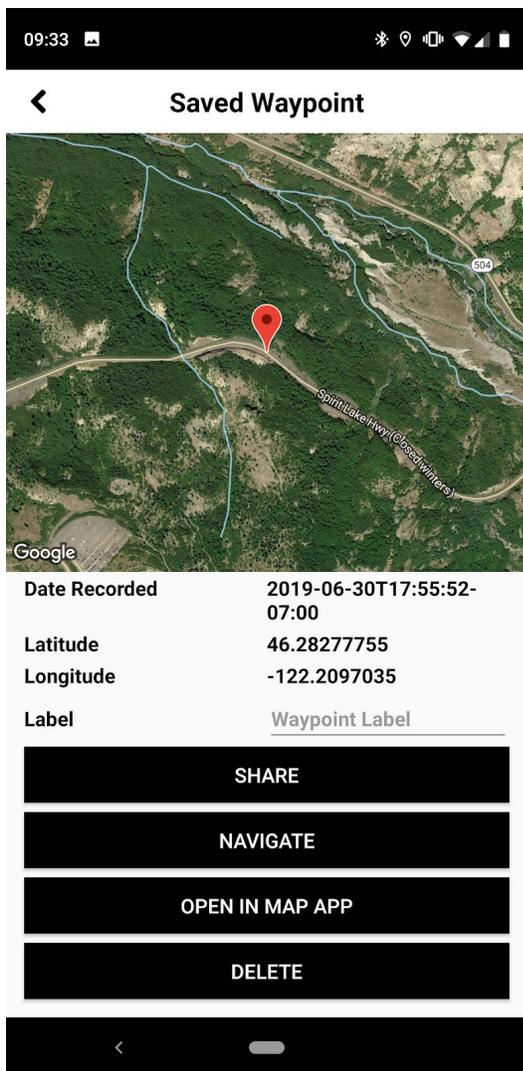
Controls:

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

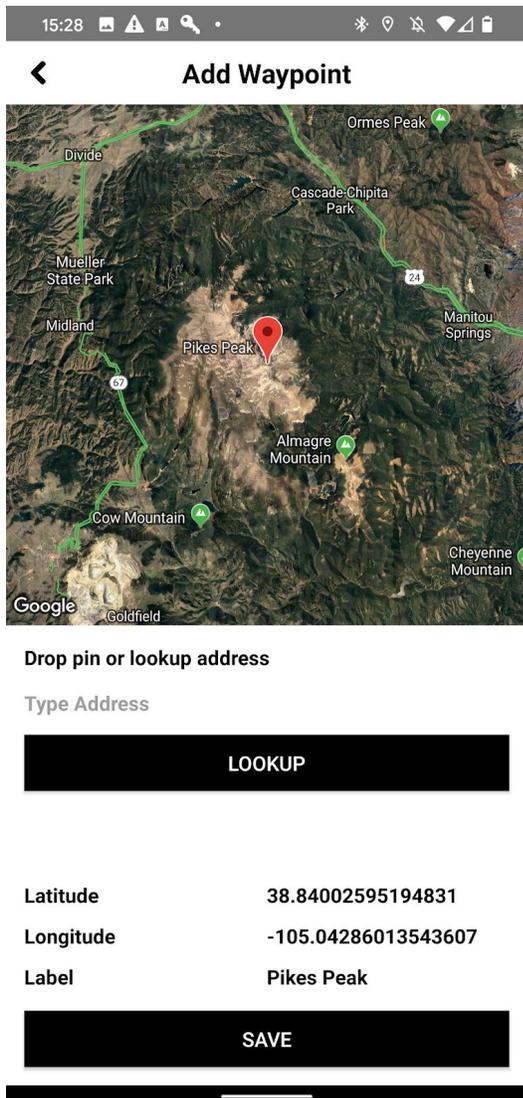
Navigate: will route you to the waypoint in your preferred map application

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

Delete: permanently removes the trip log

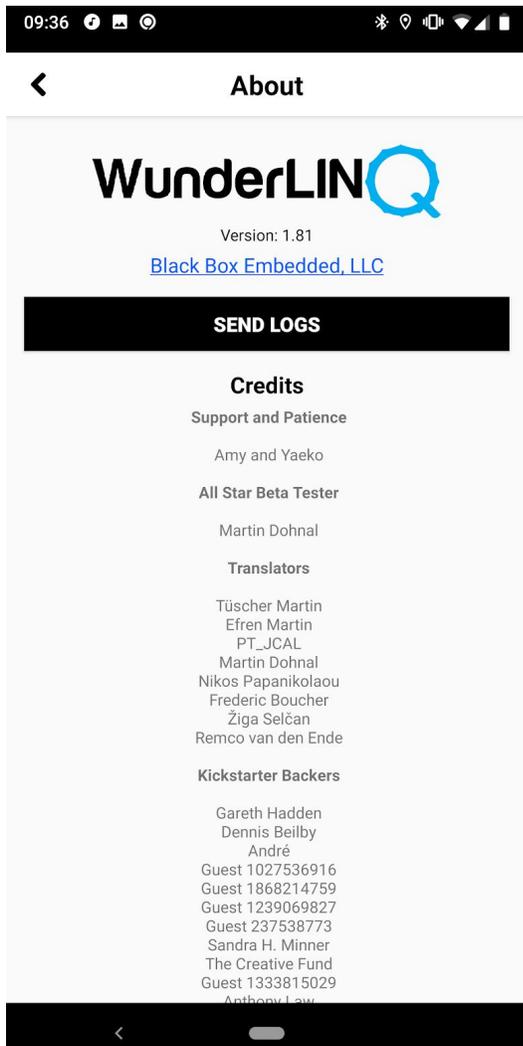
Add Waypoint Screen

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



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"

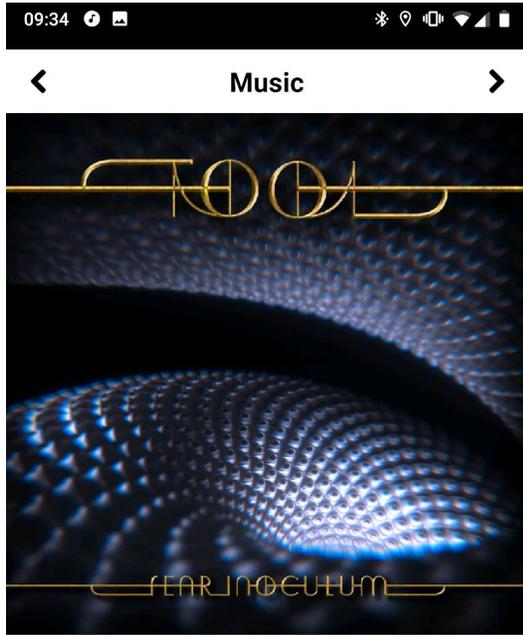
About Screen



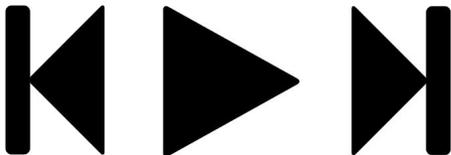
The about screen provides a link to our website and the ability to send an email to support.

The “SEND LOGS” button will format an email to WunderLINQ support, that includes device information and logs.

Music Screen



TOOL
Fear Inoculum
Fear Inoculum



The Music Screen will control a active music player the implements Android standard controls. Some tested Apps include Google Play Music, Spotify, Pandora, and SiriusXM. Media button selection is controlled by scrolling the Wunder Wheel up and down and selecting via the right long press. Make sure your music player has been launched, otherwise you will not have anything for WunderLINQ to control.

WunderLINQ Controls:

Scroll Wheel Up:

Next Song

Scroll Wheel Down:

Previous Song

Wheel Left:

Page Left

Wheel Right:

Page Right

Wheel Right Long Press:

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](#).



WunderLINQ Controls:

Scroll Wheel Up:

Scroll Wheel Down:

Wheel Left:

Wheel Right:

Wheel Right Long Press:
Task

Previous Task

Next Task

Page Left

Page Right

Select Highlighted

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 Android devices rear camera.

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

Start/Stop Recording: Controls video recording through your Android 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.

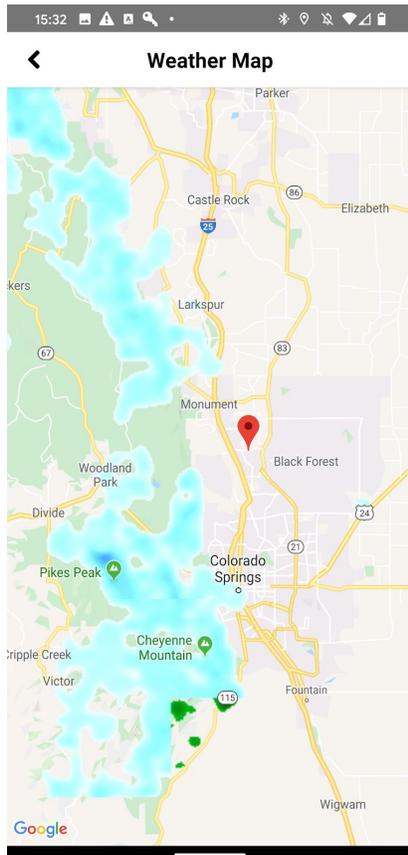
Voice Assistant: This will launch your Android devices Virtual Assistant so that you can provide voice commands.

Settings: Launch App Settings

Home Screen: Go to Android Home Screen

Start/Stop ActionCam Recording: Control [compatible](#) ActionCam's shutter

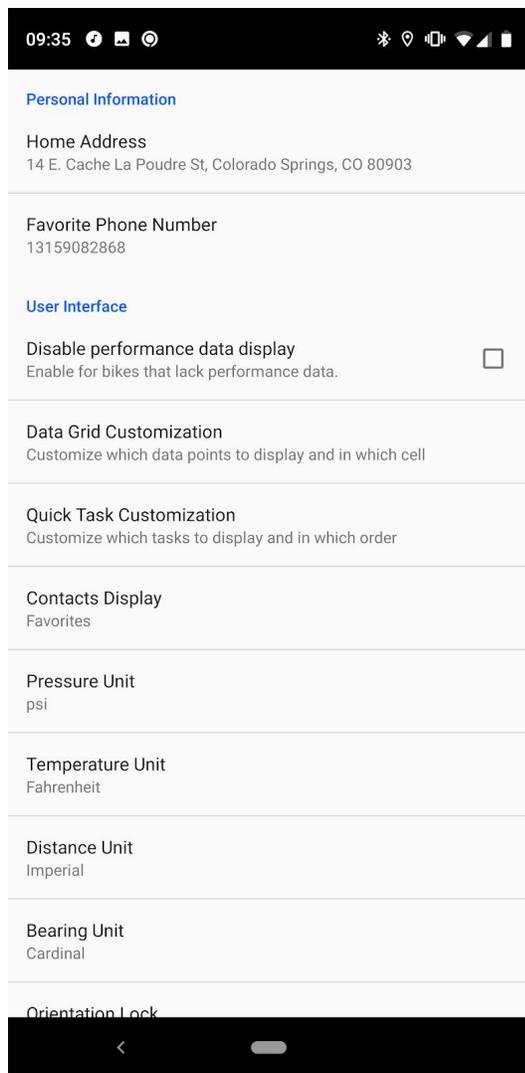
Weather Map: Display a zoomable weather map with precipitation overlay.



App Settings Screen

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

User Interface 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

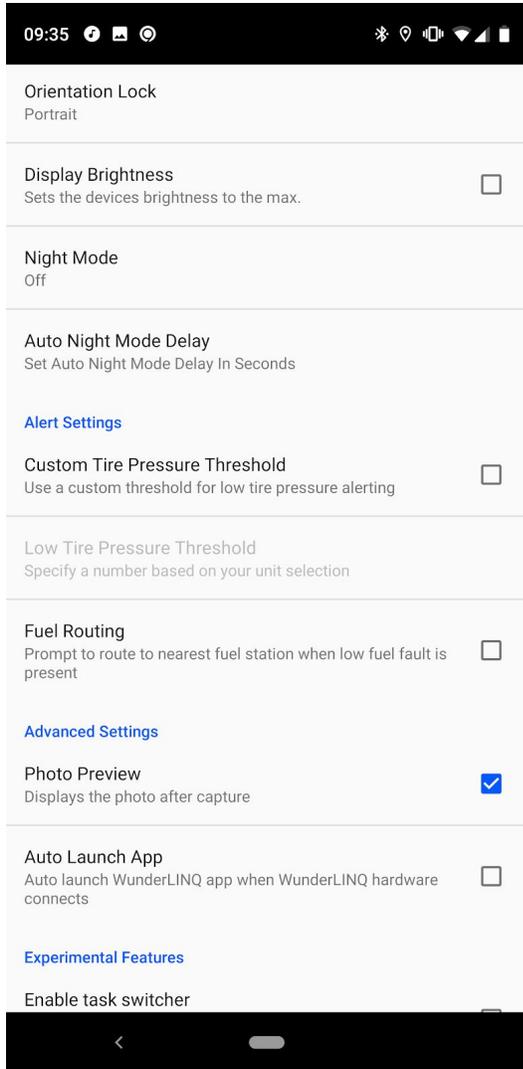
Contact Display: Select which contacts to display

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



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

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. “Auto” uses phones ambient light sensor.

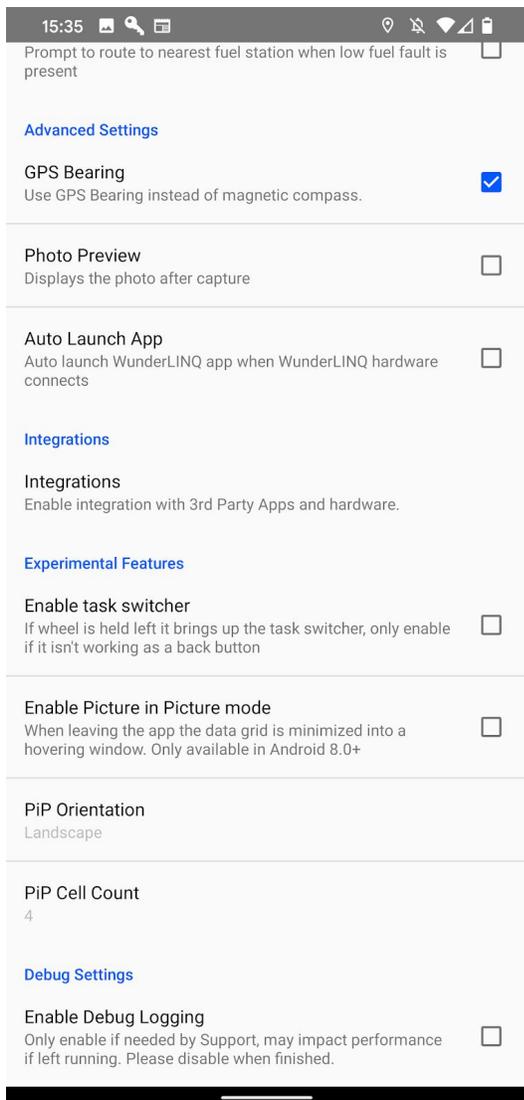
Auto Night Mode Delay: How many seconds of darkness before enabling Night Mode

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.



Advanced Settings

GPS Bearing: Select to use GPS bearing instead on compass

Photo Preview: Displays photo after capture

Auto Launch App: Launches app when WunderLINQ hardware connects

Integrations

Integrations: Settings for 3rd party software and hardware integrations

Experimental Features

Enable task switcher: Long left press brings up the Android task switcher

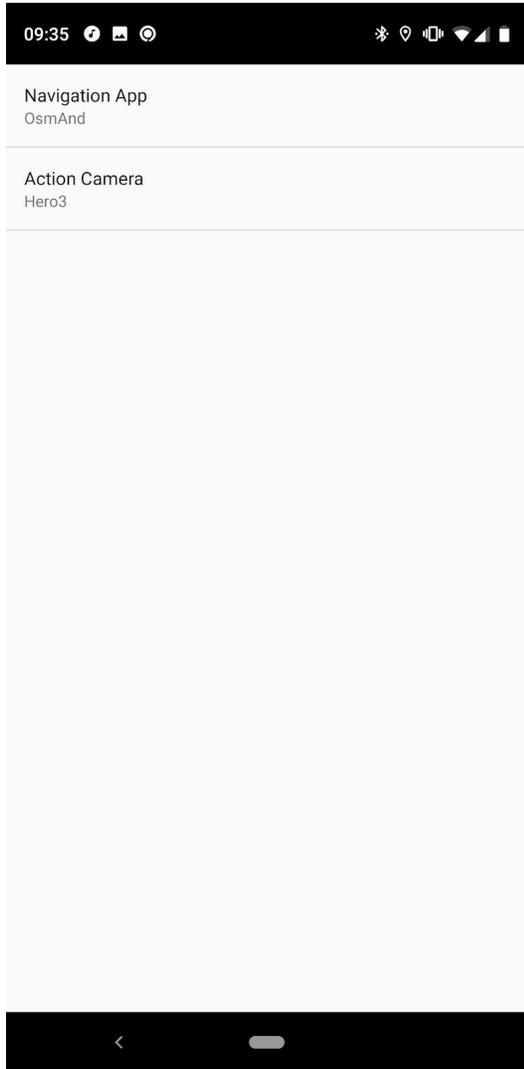
Enable Picture in Picture: When enabled the Motorcycle Screen is put in a floating window when you leave the app.

PiP Orientation: Select landscape or portrait layout for the PiP window

PiP Cell Count: Number of data cells to display in PiP window

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

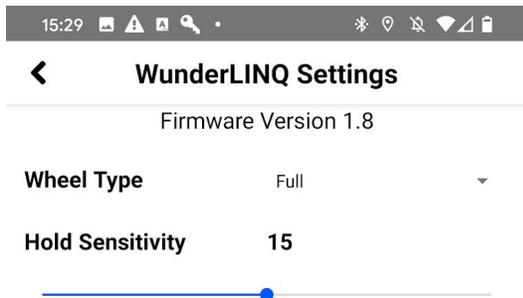
Navigation App: Select preferred Navigation App

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

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/K1600”

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

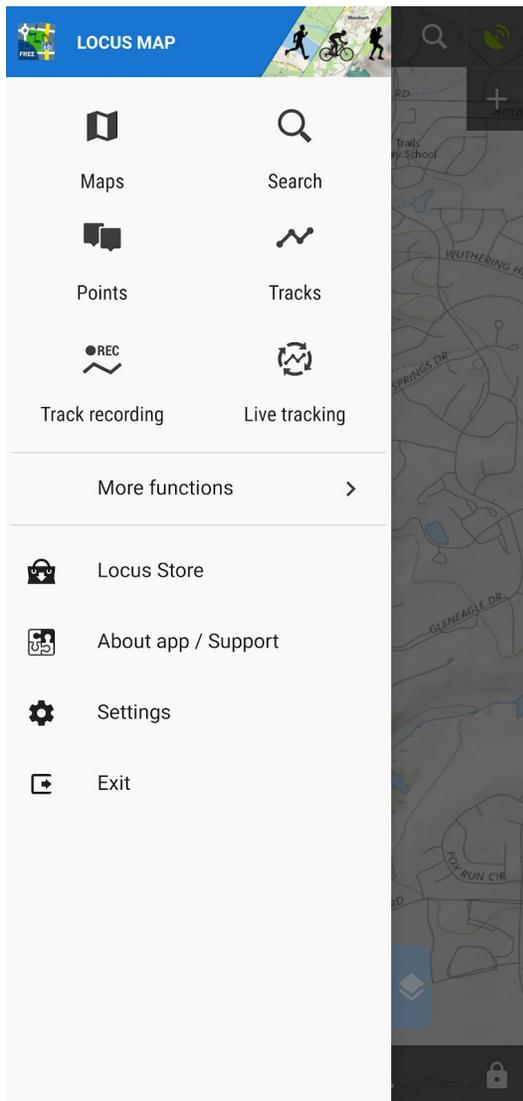
Save Settings: Writes the settings change to the WunderLINQ. **After saving your settings please remove your WunderLINQ from the cradle then reinsert to perform a full reset.**

SAVE SETTINGS

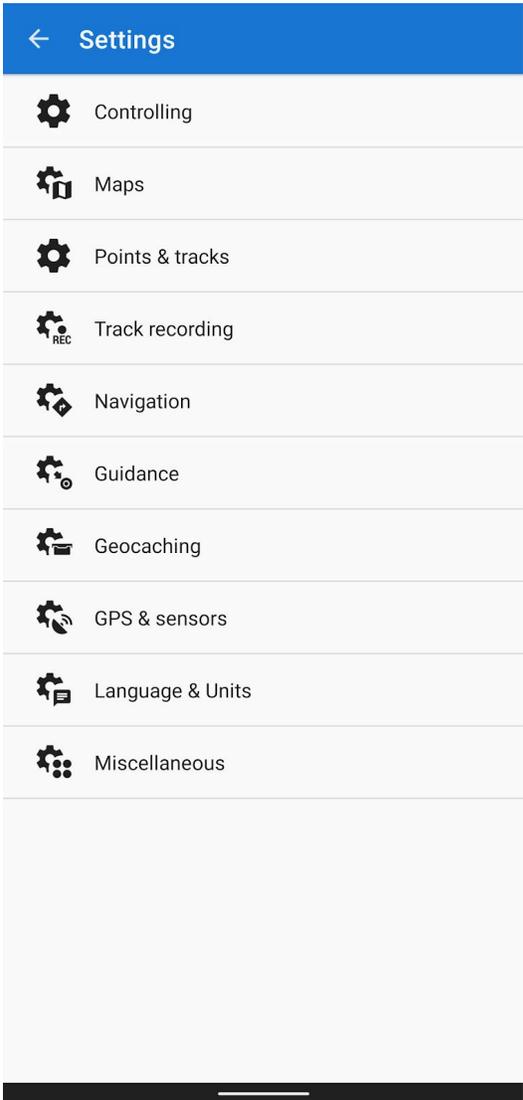
3rd Party Integrations and Tweaks

Apps

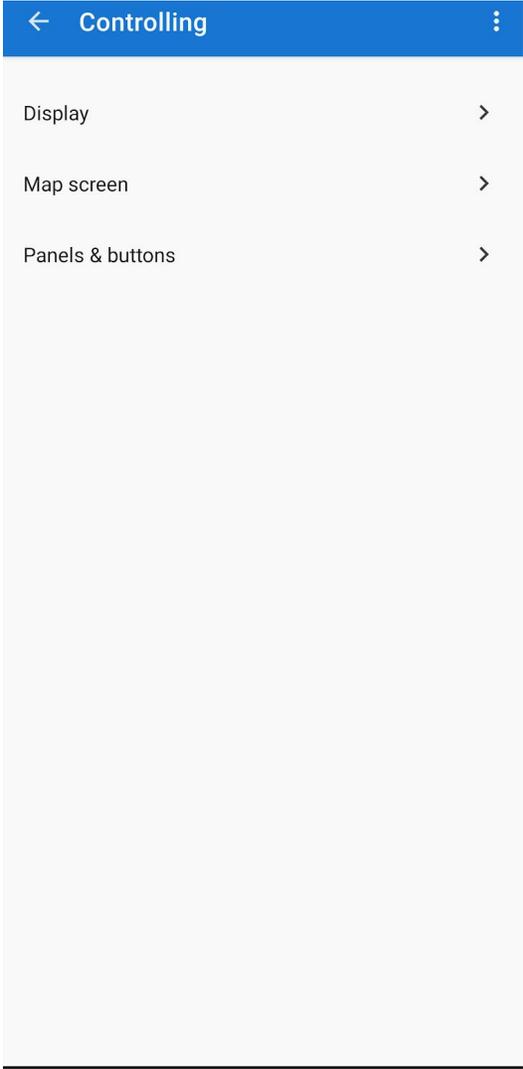
Locus Maps Pro - Enable Map Zoom with Wunder Wheel



Open the drawer and select "Settings"



Select "Controlling"



Select "Map screen"

Map control style

(Locus Map) Select Locus or Google way of controlling map

Use hardware controllers

(WunderLINQ) Select local or external HW to control the app

Simple multi-touch

Disable rotation and panning when zooming



Tap and hold to display address



Shift map cursor

Move it by 1/4 closer to bottom for better navigation.
Works only with map rotation on.



Select "Use hardware controllers"

Hold map center

Re-align your position with map cursor after 5 sec



Two finger measuring

Measure distance between any two points on map

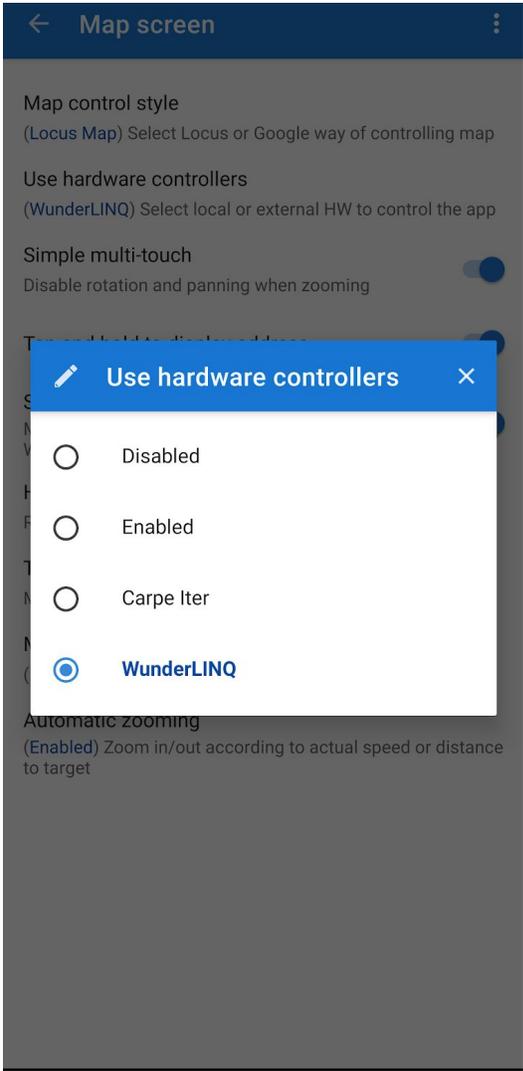


Map cursors

(Default) Select set of location and tracking cursors, set size

Automatic zooming

(Enabled) Zoom in/out according to actual speed or distance to target

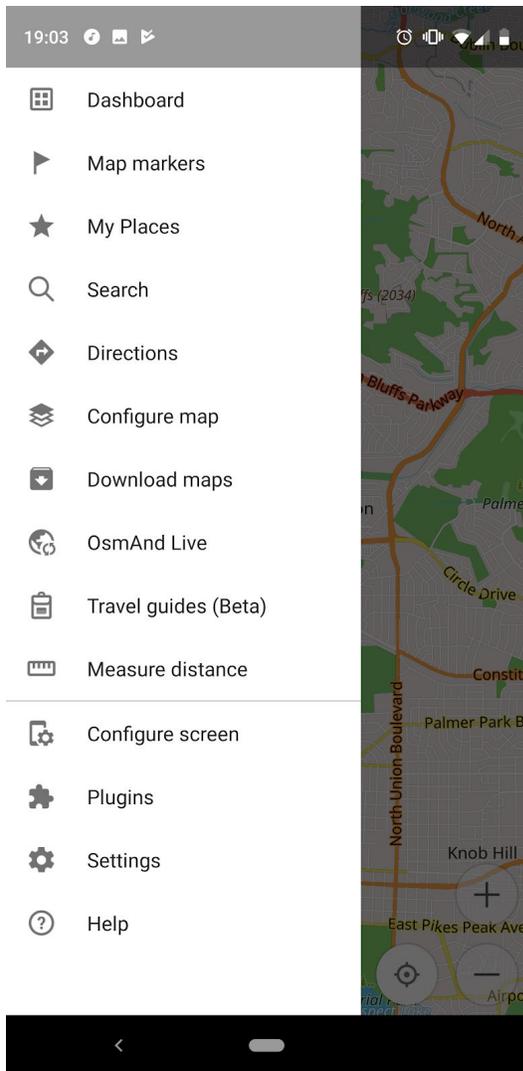


Select "WunderLINQ"

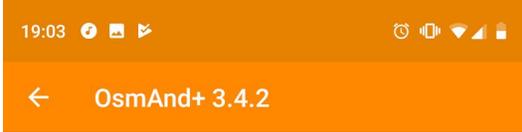
That's it!

OsmAnd Enable WunderLINQ Support

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



Open the drawer and select “Settings”



General settings

Configure display and common settings for the app.

Application profiles

Select the profiles to be visible in the app.

Navigation settings

Specify options for navigation.

OsmAnd Live subscription

Subscription enables hourly, daily, weekly updates, and unlimited downloads for all maps globally.

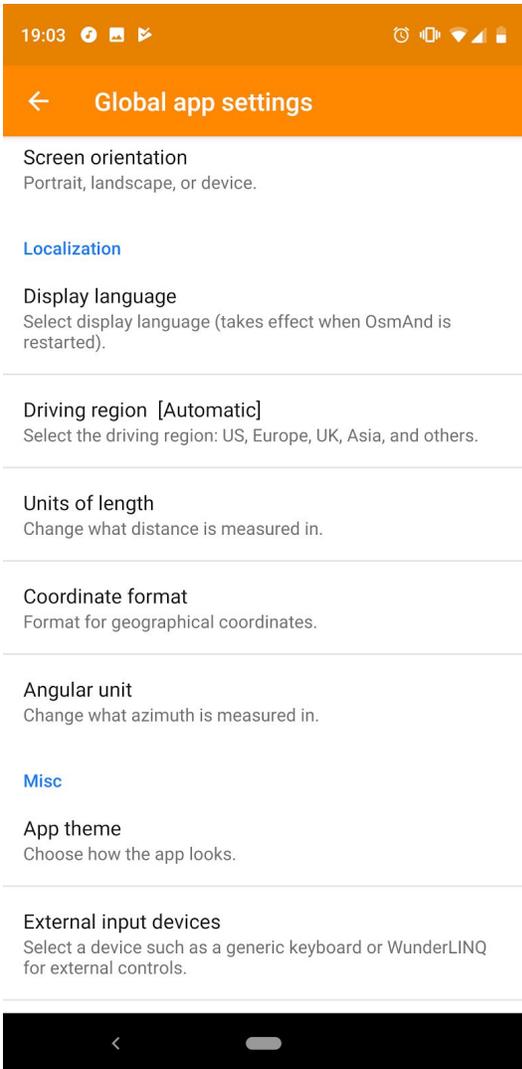
Privacy and Security

Select which data you are sharing with us

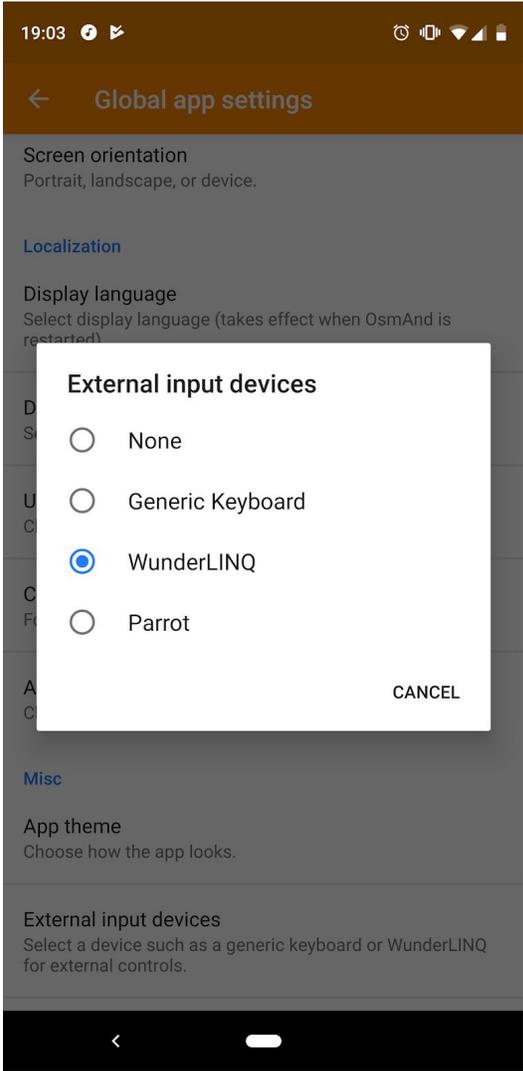
[Plugins](#)

Select "General settings"





Select "External input devices"



Select "WunderLINQ"

That's it!

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.