

# SpotWalla



SpotWalla will collect track points from a tracking device and plotting all those points on a map.

Because the track points couldn't be changed when send to SpotWalla , the created track is a secure and good representation of the route taken.

And the routes are personal, SpotWalla will represent a personal location manager with life tracking.

SpotWalla supports satellite-based tracking devices from [SPOT](#) and [Garmin](#) as well as any Android and iOS device running [Bubbler GPS](#) or [SWTracker](#) or [gibbyTrip](#).



## When SpotWalla use is mandatory:

You must use a tracking device to record your entire actual ride route, and you must upload the track points to SpotWalla ([Trips](#)). You must provide the SpotWalla trip link for the ride's track points when applying for your ride certification. It is your responsibility to ensure your satellite tracking device functions correctly and the tracking data is uploaded to SpotWalla for the entire trip. Check the device and SpotWalla settings before, during and after the ride.



**Device Settings:** On your tracking device, **before starting the ride**, you must set the following options

Update frequency: 5 minutes if available, or to the smallest value otherwise

Wait time for GPS fix: 30 seconds or greater

**SpotWalla Trip Settings:** Within SpotWalla, you must set the following options before submitting your application for ride certification:



### Security Options:

Allow public to download trip data? **YES**

Hide the time of each location? **NO**

Optional Password: We prefer no password; if one is used, you must provide it to us.

What types of messages do you want to show on this trip? Check all (OK, Help, Tracking, Custom)

### Map Options:

What type of icon should be used to display each location? **DOT** for Tracking; **ICON** for others

Draw a line from one location to the next? **YES**



The costs of using SpotWalla is not free, but the costs are very low and convenience during your long distance rides are very high.

Resource: [www.SpotWalla.com](http://www.SpotWalla.com)

More information about the use of SpotWalla : <https://new.spotwalla.com/news>

## Spot devices

More information about SPOT Satellite Messenger: [en.wikipedia.org/wiki/SPOT\\_Satellite\\_Messenger](http://en.wikipedia.org/wiki/SPOT_Satellite_Messenger)

Overview of SPOT devices : [www.findmespot.com](http://www.findmespot.com)

Other companies delivering devices are Garmin Inreach (Mini 2) Globastar, Omtrack.



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## SPOTWALLA & SWTRACKER



Apple app and requires iOS 12.0 or later.

SWTracker connects with the Secure Personal Location Manager SpotWalla.com and provides tracking services for activities like long distance biking, motorcycling, rallies, etc using your iPhone. For more information on SpotWalla, please connect to SpotWalla Secure Personal Location Manager. For more information on the SWTracker app, please [emailinfo@rvtechtools.com](mailto:emailinfo@rvtechtools.com)

### SWTracker Home Screen



The Home Screen is the primary interface once properly logged into SpotWalla. There are three sets of status lights at the top of the screen:

#### SpotWalla Connection

- **Red** - No login information, email or password.
- **Yellow** - Email and password have been validated, but no device chosen.
- **Green** - Successfully logged in, and appropriate SpotWalla device has been selected.

The Tracking light indicates current tracking status:

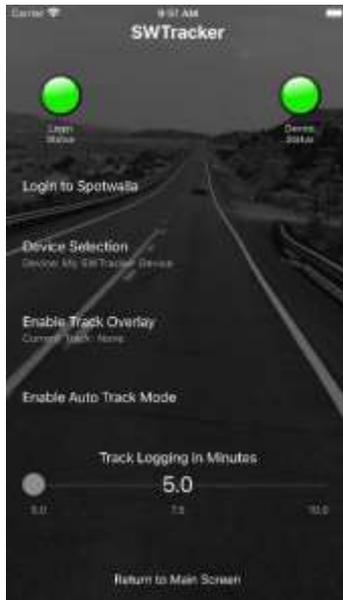
- **Red** - Tracking is currently disabled.
- **Green** - Tracking is current enabled.
- **Blinking** - Tracking is enabled, and Auto-track mode is active.

The Internet Status light:

- **Red** - Internet is not currently available.
- **Yellow** - Internet is available via WiFi.
- **Green** - Internet is available via cellular.

The lower section of the Home Screen displays the current GPS tracking information. If the text is in red, then the latest GPS location lacks accuracy to be considered for tracking to SpotWalla. When tracking, if locations cannot be sent to SpotWalla, they will be buffered internally. The Buffered: line indicates the number of points that are contained in the buffer.

### SWTracker Settings Screen



Clicking on Application Settings from the Home Screen brings you to the SWTracker Settings Screen. Similar to the Home Screen there are two status lights on this screen:

The Login Status light:

- Red** - The SpotWalla login info (email/password) has not been set.
- Green** - The SpotWalla login info has been successfully entered and accepted.

The Device Selection Status light:

- Red** - The SpotWalla device has not yet been selected.
- Green** - The SpotWalla device has been selected and accepted.

The Enable/Disable Auto Track button toggles the Auto-track mode. With Auto-track enabled, whenever the application is brought into the foreground by the user, it will attempt to start tracking. In this mode it's possible to simply start the application, and then close with power or home button, and start your trip.

At the bottom of the Settings Screen is a slider which selects the minimum tracking interval in minutes. By default it is set to 5.0 minutes, but can be adjusted from 5.0 to 10.0 minutes. This interval defines how often the current location is sent to SpotWalla.

Note that there is a 100 meter fence such that even if the interval has passed, but the current location is less than 100 meters from previous location, it will not be logged.

## SWTracker Login Screen



Clicking on Login to SpotWalla from the Settings Screen brings you to the SpotWalla Login page. Enter your email and password as registered with your SpotWalla account to login to SpotWalla. This information will be saved for future operation, and generally will not need to be entered again.

A successful login will bring you back to the Settings Screen where you will be able to select the device.

PLEASE NOTE: Before using SWTracker, you will need to create your SpotWalla account. After creating your account, you will need to create a device, and make sure it is enabled for Web access. More information on this process can be viewed in the Support FAQ.

## SWTracker Custom Message Screen



Clicking on Custom Message from the Main Screen brings you to Custom Message screen. Besides regular tracking/location messages, SpotWalla allows you to send custom messages. These messages can consist of custom text as entered in the top text widget, but can also include a special types which control which icon will be displayed on the SpotWalla trip page. These include special messages like:

- OK
- Custom
- Help
- Bonus Location
- Gas Stop
- Food
- Gas Stop
- Hotel
- Performance Award (from the local police agency!)
- Roadside Repair
- Sightseeing

## SWTracker Track Overlays

SWTracker provides support for SpotWalla "Tracks". You can read about SpotWalla tracks here. [Click this link.](#)

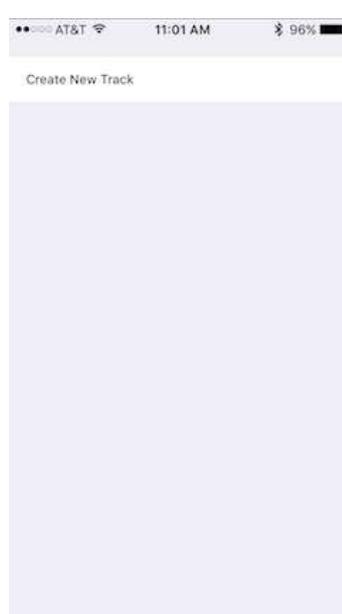
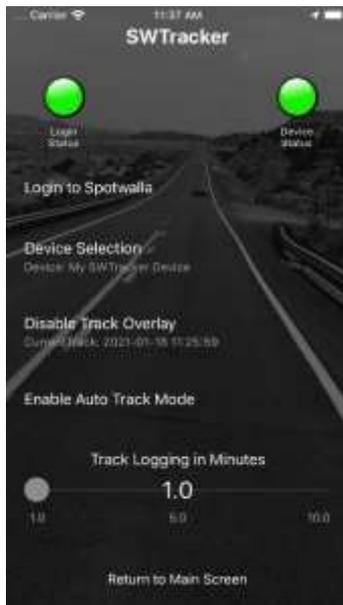
Initially the term "Track" was confusing too me, as SpotWalla has been tracking users for years. For me the term "Track Overlay" makes more sense. Normally you have viewed your travels by creating a trip in SpotWalla. As you have travelled generally a hardware tracker, such as a Spot or Delorme, would provide the tracking data collected by SpotWalla. SWTracker is one of a few smartphone apps which provide similar tracking, however, somewhat different than hardware trackers, the apps connect directly to the SpotWalla website, and send up "Location Messages" on a periodic basis. The owner of SpotWalla has requested that due to the size of the "location messages" (which include not only location info, but speed, bearing, comments, and even photos) that our apps track no more often than every 5 minutes.

This is where "Tracks" (or Track Overlays as I will refer to them) come in. A track overlay consists of simply a list of location coordinates, and possibly elevation data at each coordinate. These are a very lightweight message as compared with the normal location messages, and as such there is no restriction as to how often the coordinates are emitted.

This provides us with the opportunity to have a much more fine grained, or detailed via of your travels. Rather than simply set the time interval faster for track overlay points, I have also implemented what I'm calling "Adaptive Tracking". When using the Track Overlay mode in SWTracker, the location is captured at 10 times the frequency of the regular location messages (as defined by the slider on the application settings page in the app). By default the location message timer is 5 minutes, and the track overlay is collected every 5/10 minutes or every 30 seconds.

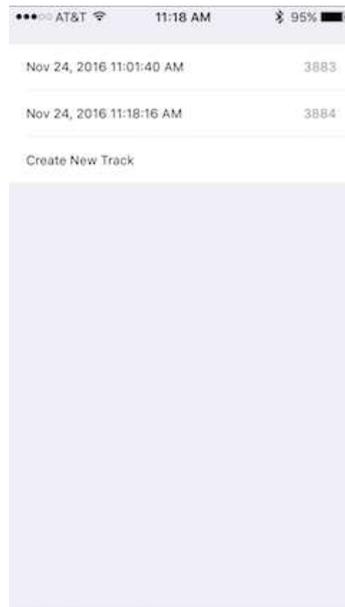
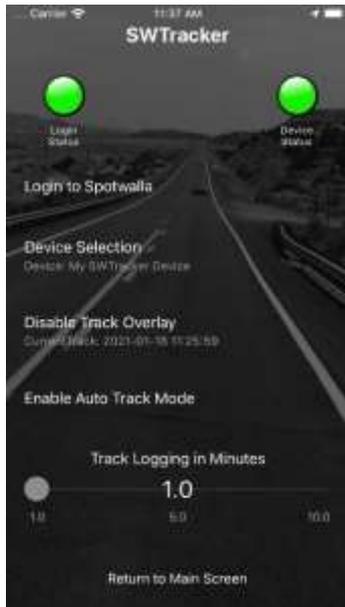
But, that's not all. In addition the app keeps track of the direction of travel of every point for the previous 5 seconds. If the current point (which comes in every 1 second from the GPS) is over 7.5 degrees different from previous points, then the current location is also stored as a track overlay. This allows the app to more cleanly track your actual travel, catching turns where the normal timed tracking would not.

## Let's see how this works in the app



The screen on the left is something like what you have in place now. You'll notice the new entry for "Enable Track Overlay". Clicking that button brings up the screen on the right. If you have no defined tracks in your account, you'll simply see the "Create New Track" selection. Click on this selection.

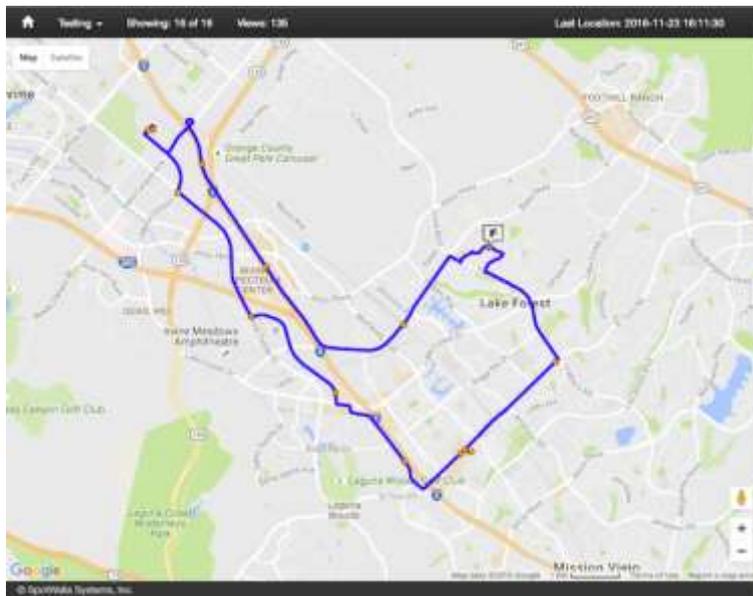
SWTracker will automatically create a new track for you. The name will be the date and time that the track was created.



SWTracker will also select the new track as your current track. You'll notice also at this point the Enable Track Overlay button has changed to Disable Track Overlay. Clicking on this will turn off Track Overlay mode, and the "Current Track" will show as "None".

The image on the right show a sample of when your account already has multiple tracks defined. Instead of creating a new track every time, you can select an existing track to continue adding data to the previous track.

### How to view in SpotWalla



The track overlays can be viewed in two different fashions on the SpotWalla website.

From the "Tracks" menu in your account, select the track and from the context menu select "View Track On a Map". This will bring up the Track Overlay data independent of any trip that has been setup.

Or, more often, as shown in the image above, you can create a Trip (as you have always done to view your travel), but now at the bottom of the Trip create page, you can add one or more Track Overlays to the map. The regular trip data will be drawn first, and then the track information will be drawn on top of the trip data. Note that as I've done in the image on the left, I turned off the lines between the normal location points.

This is a SpotWalla option, but you can also show the straight lines between the 5 minute points.

Source : <https://rvtechtools.com/swtracker.html>

SWTracker is created by Raymond Davis



## SPOTWALLA & BUBBLER GPS

Android version, Bubbles GPS New



In Playstore select Bubler GPS Pro (or the Lite version)

Lite version can store 5 track points (limit your planned ride) Pro version can store up to 1500 points.

Lite will create each 15 minutes a track point and send to SpotWalla, Pro version default 10 minutes and also 5 minutes interval possible

And the Pro version is able to take pictures and send to SpotWalla.

### SpotWalla.com Setup:

Go to SpotWalla.com and log in as you normally would. At the top of the page, select "Devices". Select "Create a Device".

For "Device Type" select "Bubler GPS". Enter a name for your device you will use with Bubler under "Description". For "Serial Number" type anything you would like, many users choose their phone number. This value is not used within Bubler GPS, but must be unique to you. Select your preferred region then click "Create Device"

Highlight the device you just created and choose "Web API" from the menu that pops up. Click the "Enable" button. Devices that have not clicked this button will show up with an orange dot in Bubler and cannot be used.

### Initial Setup:

After Bubler GPS is installed from Google Play, go to your app list/drawer and open Bubler GPS. If this is your first time opening Bubler GPS, you will automatically be sent to the Settings Dashboard where you will see a mixture of Red, Green and Grey lights. You must resolve any Red lights to be able to communicate with SpotWalla.com. (You may reach this page in the future by pressing the menu button on your phone from the Home screen of Bubler GPS, or by selecting the the word "Settings" on the home page.)

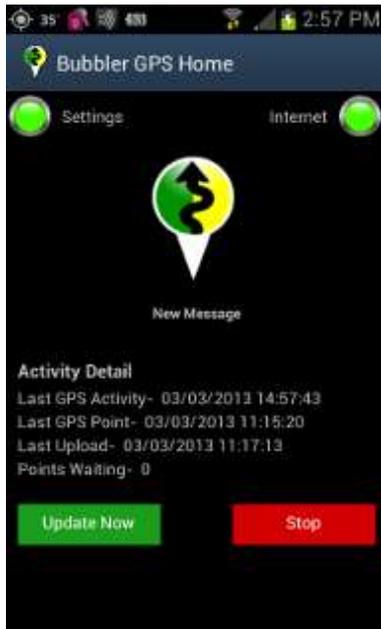
Choose "SpotWalla Login" from the list. Enter your login and password to the SpotWalla.com website and click save. Wait a few moments while your account information is verified by SpotWalla.com, then click the "back" button on your phone to return to the Settings Dashboard.

If your SpotWalla Login now has a green light, choose "SpotWalla Device" from the dashboard. Choose the device you created above on the SpotWalla.com website. Wait a few moments while your device information is verified by SpotWalla.com, then click the "back" button on your phone to return to the Settings Dashboard. If no red lights appear, select the "back" button on your phone again to return to the home page.

Make sure the GPS on your phone is enabled, and Bubler will begin to track your location and report that location to SpotWalla.com every 15 minutes (Lite), or 10 minutes (Pro), if a GPS signal is received.

You must move at least 100 meters from your last track point, for a new track point to be created at the next cycle.

## Bubbler GPS app home



1. Settings color- The light next to the word settings indicates the current setup of Bubbler GPS as it relates to your <http://SpotWalla.com> account. Green means you are set up correctly! A red light indicates a missing/invalid login/password OR device setup. An orange light indicates the settings could not be verified due to an invalid internet connection. Clicking on the word "Settings" will take you into the settings dashboard.

2. Internet color- Green means you have a valid internet connection and you can communicate with SpotWalla.com. A grey/off light means no internet connection is currently available.

3. New Message- Clicking on the Bubbler GPS logo will take you into the "Messages" page where you can send OK, Custom, Food, Fuel, Rest, Sightseeing, Law Enforcement and Bonus/Flag messages. You may also take pictures (Pro version only) and enter any text you would like to accompany that message.

4. Last Activity Detail- This indicates the last time the GPS on your phone attempted to determine its position, whether successful or not.

5. Last GPS Point- This is the last successful GPS position obtained by Bubbler GPS. A successful position must be at least 100 meters from your last position. Imagine an imaginary circle 200 meters wide with your last position in the middle. You cannot have a new successful position until you cross outside of that imaginary circle.

6. Last Upload- This is the last time that your phone updated your position with SpotWalla.com.

7. Points Waiting- This indicates how many track points and messages are waiting to be sent to SpotWalla.com. By default, positions are updated every 10 minutes in Bubbler GPS Pro, and every 15 minutes in Bubbler GPS Lite.

8. Update Now- This forces both a position update, as well as an upload to SpotWalla.com. You can do this to "force" a point into SpotWalla.com (If you are more than 100 meters away from your last position), as well as upload any points that are waiting. This feature is useful in areas of poor internet reception when a connection is only available for a short period of time.

9. Stop- This stops Bubbler GPS from creating new points, and from uploading any existing data. Pressing "Update Now" will restart all processes.

## Messages in Bubbler GPS



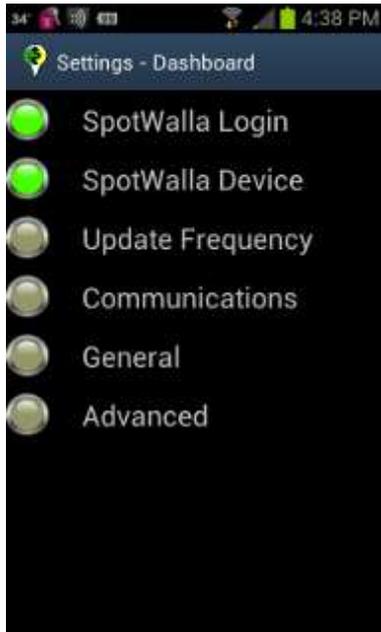
1. Message text- Optional. Text entered here will appear in the message popup in the SpotWalla.com trip map.

2. Camera- Optional (Bubbler GPS Pro only). Clicking the camera icon will allow you to take a picture that will be automatically uploaded with your message. A small icon of a camera will appear in SpotWalla.com next to messages which have a photo. Once a picture is taken, a small icon of a paperclip will overlay the camera.

3. Categories- The large green circles indicate the category for your message. Food, Fuel, Rest, Sightseeing, Law Enforcement and Bonus/Flag. Clicking one of these items will send a message that will be displayed with a white icon in your SpotWalla.com trip. If you have entered text, or taken a picture (Pro version only), these items will also automatically be sent and appear in SpotWalla.com when the icon on the map is clicked.

4. OK/Custom- The green and yellow "balloons" at the bottom work just like the category icons, but will display the traditional green or yellow numbered banners instead of the white icons. Text and pictures will also be sent with these items.

## Bubler GPS settings



\*Note: Clicking on each item will take you into a detail page for the item. Only some items have colored indicators. You need only to be concerned with red indicators. All other items are optional. Remember to hit "Save" when you make changes or they will be discarded when you leave the page.

1. SpotWalla Login- Enter the email address and password that you use for the SpotWalla.com website. You MUST have a SpotWalla.com account for Bubler GPS to function. <http://SpotWalla.com>
2. SpotWalla Device- In this page, you will see all of the "Devices" which you have set up in SpotWalla.com. An item with a green light means you have already set that device up in Bubler GPS and all points and messages will be assigned to that device. Devices in grey/off are available for you to choose. Items in orange have not enabled "Web API" access in SpotWalla.com To enable "Web API" access, go to SpotWalla.com, login, and select devices. Select the device you would like to use with Bubler GPS and choose "Web API". This must be enabled to allow Bubler GPS to use it. **\*IMPORTANT\*** You should have a dedicated Bubler GPS device. DO NOT reuse an existing Spot, Latitude or other device as it will make a mess of your trip maps being in 2 places at the same time.

3. Update Frequency- There are 2 settings on the page.

The first sets the time in minutes between the orange track dots on your SpotWalla.com map. The lower the number, the more points on the map, and, the more battery you will use. The default for Bubler GPS Pro is 10 minutes, and Bubler GPS Lite is 15 minutes.

The second box is for the amount of patience your phone should have waiting for a GPS position. The longer the time, the better chance you have of collecting a position under adverse conditions. Conversely, if you are inside or under heavy cover, you will use more battery the longer it tries. 45 seconds works well for most devices, some with higher quality gps hardware can frequently go shorter in the 20-30 second range or even lower.

4. Communications- If you would like to limit Bubler GPS to only use WiFi/Wireless, and not send data over a cellular connection, you may check this box.

5. General- There are 2 settings on the page.

Orientation- This defines whether your phone or table will work up and down (portrait, normal for phone), or in landscape, which is longer side to side than it is top to bottom. Auto-rotate will change the positions of the screens depending on how you hold your phone.

Message Layout- This is for users who would prefer a list, rather than the buttons in the messages page.

6. Advanced -Enabling debugging may be requested by our support staff to assist them in troubleshooting any issues you may have. This setting is not recommended for normal use, at it can generate large files if forgotten.

Source <http://bublergps.com/>