Hike Tracker V.3.0.0

Hike track application, which tracks all relevant information during your hike. Now with Map view integration (only on watches which support this)

More information about developments and documentation can be found on:
http://www.007software.eu/apps/hike-trackers-page/

Index

1 Usage

Notes

1.1 Start screen

Once started the GPS will search for your location. The green lines on the bottom of the screen will show the signal strength.

A check is made to see if your phone , your tempe device and heart rate belt is connected they will be shown.

If you have a Tempe sensor, then the temperature from this Tempe device will be shown. Also note that with a Tempe, it may take a minute or more before the temperature is shown.

When the GPS strength is strong enough you can press the Start/select button to start recording. If you do this before the strength is good, the watch will still try to get the GPS and starts automatically when the strength is oke.

When you don't press the Start/select button the screen will close after 2 minutes. After pressing the Start/select button, the record screen is displayed. This consists of 5 screens.

To scroll through the screens:

- On touchscreens. Tap at the top or bottom of the screen or swipe left or right on some watches swipe right is the "back" functionality
- On non-.touch screens. Press the up or down button

If you checked the checkbox for fetching the weather data automatically in the settings of Garmin Connect for this app, the weather data is fetched and shown on the first screen.

When you don't move, the screen lines will be red, stating the app is paused. When you move again, recording will resume and the lines will become green.

Auto pause can be switched on in the setting screen.

The fields can be placed on any position in screen 1 – 3. This can be done in the setting screen. (See paragraph Thresholds)

1.2 First data screen (Changeable)

The first screen shows (example):

- Heading
- Heart rate zone
- The speed
- The distance
- Steps
- Cadence

Note: For the Edge device pace, steps and cadence are calculate

values, since they don't support foot pod's and have no built in

step counter. See section threshold/settings

1.3 Second data screen (Changeable)

The second screen shows (example):

- Heading
- Heart rate zone
- Pace
- Ascent
- Decent
- Average speed

1.4 Third data screen (Changeable)

The third screen shows (example):

- Heading
- Heart rate zone
- Altitude
- Timer
- Heartbeat
- Maximum speed

1.5 Fourth data screen (not changeable)

- Heading
- Heart rate zone
- Calories
- Time
- Altitude graph

1.6 Fifth data screen

Take me home screen or map view screen. On devices which support Garmin's Map view functionality, the Map View screen will be visible. On the other devices the "take me home screen" is visible.

1.6.1 Take me home screen

The "take me home screen" screen shows the relative position you are from the start of the hike. It also shows
you the direction to go to get to the starting point.

- The center is your starting point.
- The red dot is your current position from the starting point.
- The number near the last circle is the distance scale. It will change to 6 when you reach a distance of more than 3.1, etc.
- The heading on the bottom shows the direction you need to walk to go back to the starting point
- The heading on the top shows the direction you are walking now. It will be red if it is different from the heading on the bottom. If it is green you will walk in the direction of your starting point.
- The wind arrow will show you the direction to take, to walk in the direction of your starting point
-

Note:

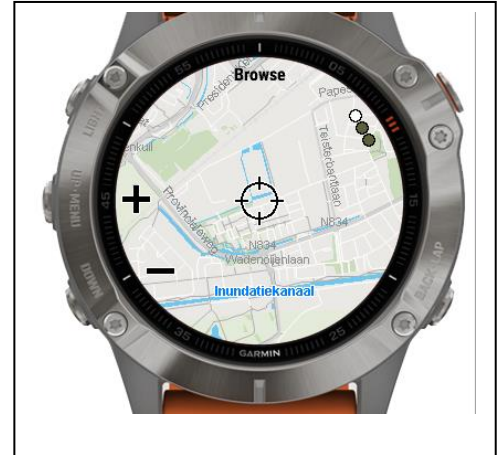Page: 4

1.6.2   Map view screen

The Map View screen consists of 2 modes. The preview and the browse mode. At least this is how Garmin intended it to be. The functionality is not yet mature yet. On some watches it behaves different than Garmin intended it to be. Later you read more about this.

In the preview mode you can see where you are at the moment and if you created a route/itinerary, it will be visible when you are near the starting point. (later more about creating a route/itinerary)

In the browse screen you can zoom/pan in the screen to navigate around and get acquainted to the surroundings.

While Hiking, the route you walked will be visible on the screen.

In the following section you will find more about the buttons you can use to use the different screens and other functionalities.

1.6.2.1   Button devices

On button devices when enter the Preview screen you can long-press the Up-button to set a waypoint. (When you are in one of the data field screens you can also press the Up-button to set a waypoint)

To enter the Browse mode, press the select/start button once, You will feel a vibration.
The screen changes and you will see "+" and "-" signs near the Up and Down button.

- By pressing the up and down buttons you can zoom in or out. Pressing the select/start button again the signs change to "Up" and "Down" arrows.
- By pressing the up and down buttons you can pan up or down. Pressing the select/start button again the signs change to "Left" and "Right" arrows.
- By pressing the up and down buttons you can pan Left or Right. Press the "Back" button to leave the Browse mode and return to the Preview mode.
- Press the Back button again to return to the Data fields screens.

1.6.2.2   Edge devices

Without touch screen

Use the button to set a waypoint when you are in the data field screens. Use the button when you are in Preview mode. To go to Browse mode press the button. When you are in the Browse mode, the screen changes and you will see "+" and "-" signs near the Up and Down button.

- By pressing the up and down buttons you can zoom in or out. Pressing the button again the signs change to "Up" and "Down" arrows.
- By pressing the up and down buttons you can pan up or down. Pressing the button again the signs change to "Left" and "Right" arrows.
- By pressing the up and down buttons you can pan Left or Right. Press the "Back" button to leave the Browse mode and return to the Preview mode.
- Press the Back button again to return to the Data fields screens.

Note: On some devices the preview mode will also show the "+/-", "up/down" and "left/right" signs next to the Up and Down buttons. This I can't control. You have to see if the Preview mode fulfills your needs, otherwise press the select/start button to enter the browse mode. Sometimes the "+/-", "up/down" and "left/right" signs are overlaid. Just press the select/start button until they are not overlaid anymore.

The App does not navigate you as in pointing directions.

With touch screens

Use the button to set a waypoint when you are in the data field screens and in the Bottom right button to set a waypoint in Preview mode. Tap on the screen to enter the Browse mode. You will hear a play tone and the screen changes and you will see "+" and "-" signs on top of the screen.

- Tap them to zoom in or out.
- Swipe the screen to pan around.
- Press the Back button to return to the Preview mode. You will hear a play tone again.
- Press the Back button again to return to the data field screens.

Note: On some devices the preview mode will also show the "+/-", "up/down" and "left/right" signs next to the Up and Down buttons. This I can't control. You have to see if the Preview mode fulfills your needs, otherwise press the select/start button to enter the browse mode. Sometimes the "+/-", "up/down" and "left/right" signs are overlaid. Just press the select/start button until they are not overlaid anymore.

The App does not navigate you as in pointing directions.

1.6.2.3 D2 Charlie and Descent MK1 devices

On these devices the zoom and pan signs are not visible in my simulator in the Broswe screen. I don't know if this is really the case on the watches too. If you don't see them, don't worry the Up and down buttons control them anyway and the select/start button work fine too. Otherwise the functionality is the same as for the button devices.

1.6.2.4 Create route/itinerary

It is possible to use a route/itinerary you can follow during your Hike. Here you will find how to create them and enter them in the setting screen.

Go to the website: https://developers.google.com/maps/documentation/utilities/polylineutility

In there you can create a polyline. Please read the instructions. When you are done, copy the text in the field "Encoded Polyline:". Make sure you don't miss any characters. If you cant see all of the text enlarge the field by dragging the bottom right corner.

Open the settings screen of the App in Garmin connect mobile or Garmin Express. Go to the last field on the bottom named "Route/itinerary" and paste the text in there. When you start the app and go to the Map view screen, you will see your route/itinerary, which you can follow during your Hike.

1.7 Sixth data screen

This is the starting screen and can be made visible by pressing the back button in one of the data field screens. When you are in this screen you can press the back button to update the weather data. Use the Up/down key or tap the top or bottom of the screen (touch devices) to return to the data field screens.

- The wind speed and direction
- The state of the battery as a circle at the edge of the screen
- If a tempe device is attached
- If you are connected to your phone
- If your connected to your heart belt
- The temperature in degrees or Fahrenheit (if a tempe device is attached the temperature comes from this device, otherwise it comes from the weather service)

2 Start/stop/pause

The app is paused when no movement is detected(The line will become red). When you start moving again, registration resumes(The lines become green again). You will also feel a slight

vibration. ***In the setting screen of the app in your phone, you can enable or disable the auto pause functionality***.

To stop the recording press the Start button again. A screen is shown in which you can select (tap on the image for touch screen devices):

- Remove. To remove your recording and stop the program
- Save. To save your recording and stop the program
- Return ⇐ to return to the recording

The active selection has a green dot on it.

Once saved, the recording will be uploaded, if you are connected to your phone and you have set your watch to upload immediately. The recording can be seen in Garmin Connect.
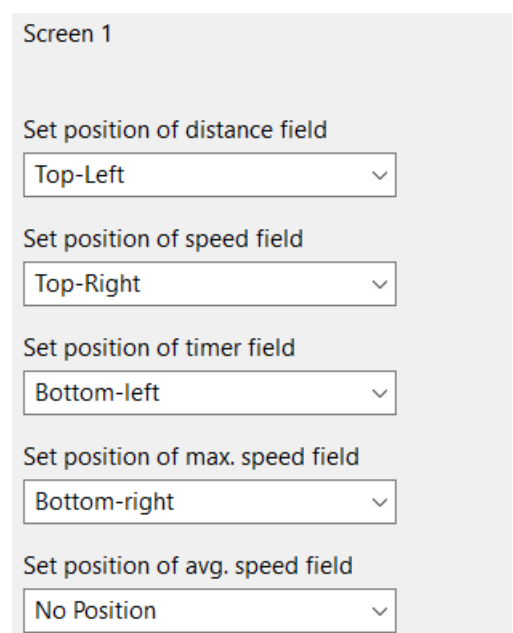
When you press or tap "Remove", a new screen will appear, asking you to select yes or no. Tap or use the up/down keys to highlight your selection.

3   Thresholds/settings
- License key
- Get the weather data automatically
- Use Map view
- Auto pause. Default is ON.
- Set speed threshold for auto pause
- Step length only for Edge devices (these devices don't have a step counter, so they will be calculated). For all other devices the steps length can be set with the Garmin Connect App
- Wind unit. Default is km/h or miles/h, but you can set it to m/s
- Route. This is used to put you route/itinerary in.
- Relocation of the fields

Draw 3 screens on a paper and put in the fields you like to see per screen. This way you won't mix up or set too many fields on the same screen (you will get an warning for this on the start screen)

Now select per screen which fields has to be shown and on which location. As an example you see on the right an image where the distance field in on screen 1 in the top-left corner, the speed field is on screen 1 in the top right corner, timer field is on screen 1 in the bottom left corner, etc.

Screen 1

Set position of distance field
Top-Left

Set position of speed field
Top-Right

Set position of timer field
Bottom-left

Set position of max. speed field
Bottom-right

Set position of avg. speed field
No Position

4   Locking keys

From version 1.1.4 it is possible to lock the keys.

For a Garmin Vivo active it is possible to use the normal button (press back key for 3 seconds) for that. For other watches I don't know.

This locking function is not for the Edge devices. The normal lock function can be used.

Note: Activation of the lock can only be done in screen 1.

- For watches with a touch screen tap 3 times on the top of the screen in the first record screen. Your watch will vibrate, stating that it is locked and an exclamation sign is behind the time. Tap 3 times on the top of the screen again to unlock. The watch vibrates again.
- For watches **without** a touch, press the UP button 3 times in the first record screen. Your watch will vibrate, stating that it is locked and an exclamation sign is behind the time. , press the UP button 3 times again to unlock. The watch vibrates again.

5   Adding your license key and select automatic fetching of weather data and enable/disable auto pause
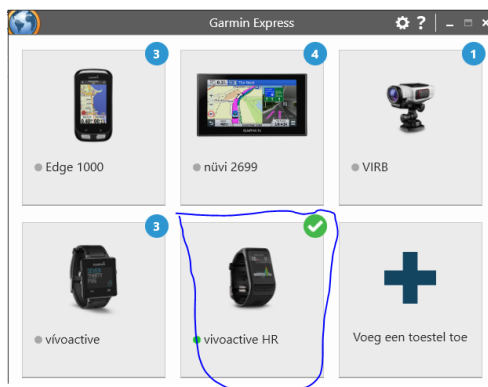
This can be done in two ways:

1. With your computer, via Garmin express
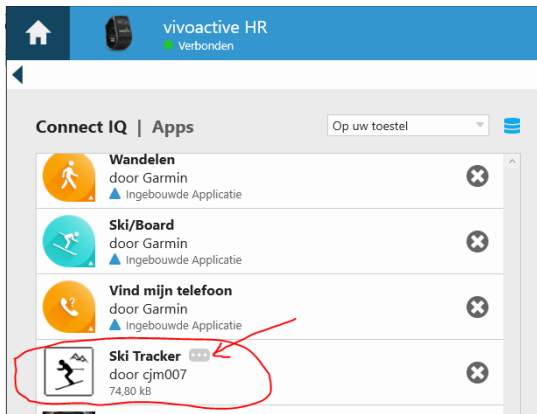2. On your phone, via the Garmin connect app.

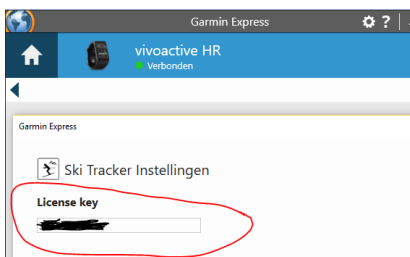## 5.1   With the computer

Attach your Garmin watch to your computer. Start the program Garmin express

Click on your watch symbol and then on the button Control App

Look for the Hike App in the list and click on the dots on the right of the description. (The image shows an example of the Ski tracker)
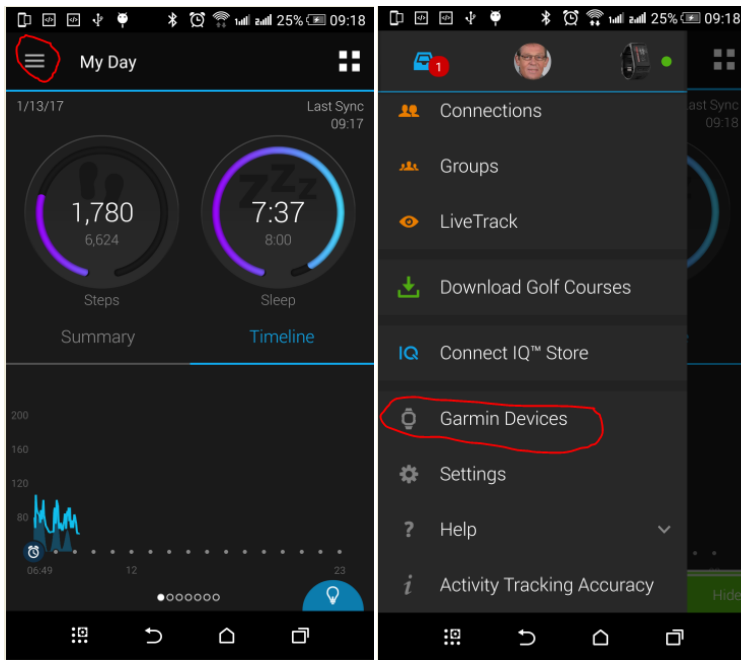

In the next screen you can enter your license key and save it. (The image shows an example of the Ski tracker)
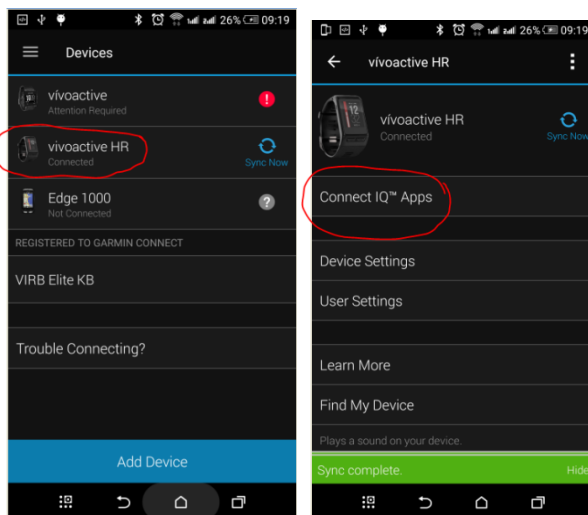
5.2   On your Phone

Start the Garmin Connect App.

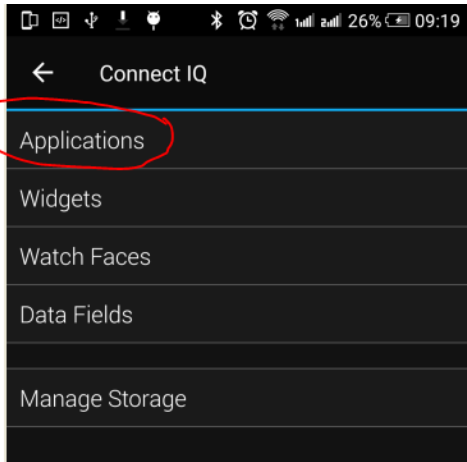Click on the menu symbol and go to "Garmin devices".
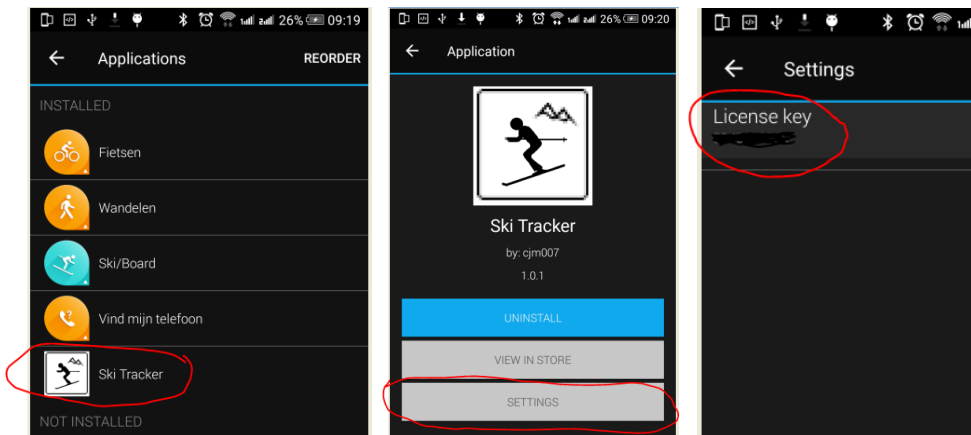
Select your Garmin watch

and click on "Connect IQ apps"

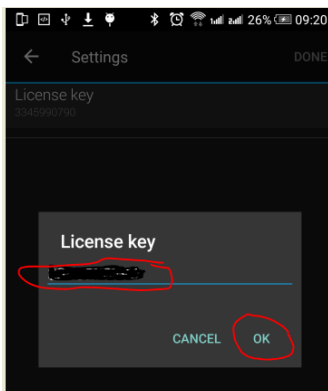Then click on "Applications".

In the list with applications, click the Hike Tracker App (here the Ski Tracker is shown as an example)

and the button "Settings".

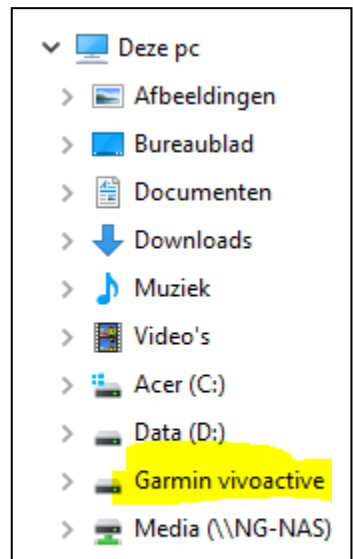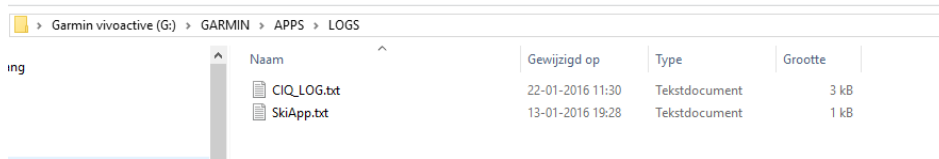Click on the License key and fill in the key.

Save your entry and your done (click on OK and then on OK or Done in the right upper corner.

6   Trouble shooting

When you encounter problems with the app. Connect your watch with your computer. After a while you here a short sound. This means the watch is connected. Open your file explorer (mostly it will open up after connection is successful) and look for you Garmin directory.

Open the map GARMIN->APPS->LOGS, and add a file called CIQ_LOG.txt to this directory. Disconnect your watch an start the App again. When it crashes, the error is written in this file. Connect your watch to the PC again, go to the log-directory and mail the file CIQ_LOG.txt to kees@007software.eu

7   Notes

- The app can be used for the following languages English, Dutch, French, Italian, Polish, Portuguese, Danish, Czech and German. If you want a new translation in your language, send me a mail!
- Please report any mistranslations to kees@007software.eu. (I'm Dutch :))
- If you encounter any problems, please put the file "CIQ_LOG.txt" in the "GARMIN-APPS-LOGS" directory of your watch. Run the app again and send the file to my email address.

7.1 Disclaimer

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