

Volume

5

TRACKS4AFRICA

Overland Navigation

GPS Settings

OVERLAND NAVIGATION

GPS Settings

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GPS Compatibility

T4A GPS Maps are compatible with most Garmin® Map Capable GPS devices. Tracks4Africa creates T4A GPS Maps by using a 3rd party application and our product is not endorsed or underwritten by Garmin®.

T4A GPS Maps are compatible with the following GPS units:

- Entire Nuvi range
 - Entire Zumo range
 - Entire Oregon range
 - Entire Colorado range
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- Below is a specific list of Garmin® GPS with which the T4A GPS Maps are compatible. In addition to the GPS listed below, our maps are compatible to older GPS models such as GPS III, V, 176c and other map capable Garmin® GPS.

T4A GPS Maps are known not to work with selected StreetPilot™ GPS. Contact sales@tracks4africa.co.za for more information.

			
eTrex™ Legend Cx	eTrex™ Legend HCx	eTrex™ Summit HC	eTrex™ Venture Cx
			
eTrex™ Venture HC	eTrex™ Vista	eTrex™ Vista HCx	GPSMAP 276 C
			
GPSMAP 60	GPSMAP 60 CSx	GPSMAP 60 Cx	GPSMAP 76

			
GPSMAP 76 CSx	GPSMAP 76 Cx	GPSMAP 76 S	
			
Quest™ S.A.	Quest II™		

**KNOWN
ISSUES®**

The Quest II and Quest S.A. GPS cannot operate more than one routable map at a time. Should you wish to use T4A GPS Maps on the Quest-range you should load it separately. For more information you can contact us at sales@tracks4africa.co.za.

On all Garmin GPS units the possibility of conflicts exists, if more than one routable map is selected at a time. If you load T4A GPS Maps together with other African maps, you should only have one of these products switched on at a time. Contrary to what certain GPS dealers think and say, this problem exist when any combination of maps for the same region is loaded and it has nothing to do with T4A GPS Maps.

Always ensure that your unit is running with the latest firmware. Visit www.garmin.com for more information.

Nüvi™ and Zūmo™ Owners

T4A GPS Maps are compatible to the Nüvi™ and Zūmo™ series GPS from Garmin®. Most Nüvi™ and Zūmo™ units are sold without a CD or DVD containing MapSource®.

Maps are generally sold on SD card and the card simply replaced to load new maps. T4A GPS Maps are supplied on CD and need to be loaded to your GPS using either MapSource® or MapInstall®. Both these applications are available from Garmin®.

MAPSOURCE® The MapSource® application is a viewer utility that allows one to browse maps created for Garmin® GPS. It also allows many other functions associated with your Garmin® GPS of which the most important are:

- Load new maps to your GPS
- Download tracks and waypoints from your GPS to your PC
- Upload tracks, waypoints and routes from your PC to your GPS
- Route planning, especially with routable maps since MapSource® can simulate the auto routing algorithm of you GPS.

MapSource® is not sold separately and is integrated into Garmin®'s map products. However, if one installs any of the Garmin® map products, the installer will first install MapSource®.

The easiest way to obtain a copy of MapSource® is to simply buy the new Garmap DVD. These DVD's are sold at around R10. If your GPS was purchased after 1 April 2008, then you are entitled to a free upgrade to the 2009 version of Garmap. Ensure that your GPS is registered with Garmin before you start the installation process.

If you insert the DVD to your PC it would automatically bring up a wizard that would take you through the install procedure. This procedure requires Internet access and on-line registration of the product. In some instances it would also require additional payment.

Once you have installed MapSource®, simply install T4A GPS Maps and then open MapSource® and select the T4A GPS Map product you wish to use.

SENDMAP

Should you not want to use MapSource® you could also obtain a copy of sendMap. This application was developed by a third party and allows only for the transfer of maps to a Garmin device.

The application can be downloaded free of charge from www.cgpsmapper.com

Critical GPS Settings

Tracks4Africa requires:

LOCK ON ROAD = OFF

MAP DETAIL set to MOST

ZOOM LEVEL not set to AUTO

In order to derive maximum benefit from your T4A GPS Maps on your GPS there are certain settings which you have to do on your GPS.

First of all you have to ask yourself what you will use your GPS for. If you only want to use T4A GPS Maps as a super accurate base map of Africa then you need to ensure that you set **Map Detail** settings.

If you want to record your travels and submit these to Tracks4Africa in order to expand or improve the map, you will need to set **Track Recording** settings as well. Tracks4Africa relies only on the contributions from travellers like yourself to expand and improve the maps and we urge you to record your travels and send them to newdata@tracks4africa.co.za so we can include them in the next release of the map.

MAP DETAIL

For the best results in viewing or using T4A GPS Maps on your GPS you have to make the following changes to your GPS map settings:

Zoom levels are by default set to "Auto". Do not leave them on "Auto". It is recommended that zoom levels on all objects be set to the maximum of 1,200 km. See below



Figure 1: GPS Settings

For Nüvi™ and Zūmo™ series GPS you do not have the option to make these settings, simply ensure that the "Map Detail" is set to "Most". See below.

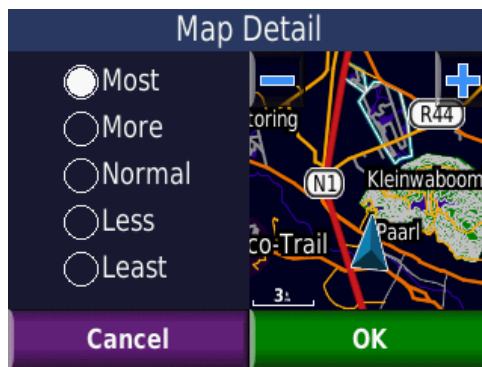


Figure 2: Nüvi™ and Zūmo™ GPS Settings

**T R A C K
R E C O R D I N G**

If you want to record your tracks then it is very important that you ensure the following changes are made to your GPS track recording settings.

For **Nüvi™ users**, please note that most of the Nüvi™ series GPS cannot record tracks so you can ignore this section. If you do however own a Nüvi™ GPS which can record tracks, e.g. Nüvi™ 710 or Nüvi™ 500, then please read on.

The Nüvi™ 500 and 710 allows for three modes of navigation, Shortest Time, Shortest Distance and Offroad. If you would like to record tracks for submission to T4A please ensure that the Navigation mode is set to Offroad else the tracks recordings are locked on the roads of the map used and are useless for map improvement.

For **Zūmo™ users**, please note that Zūmo™ series GPS can record tracks and that the **Track Recording** settings are not available on this series GPS. According to our tests, the Zūmo™ series do not require any settings and you can ignore this section. From our tests it seems as if the Zūmo™ series always have “lock on road” set to OFF and uses an automated algorithm to store track points. The quality of the track made by the Zūmo™ series GPS is very good and adequate for Tracks4Africa use.

For other map capable GPS users, please ensure that you make the following settings on your GPS:

- Lock on road. This is a setting that forces the GPS location onto the nearest road on the base map of the GPS. It is used when doing auto routing to ensure that the GPS compensate for the inaccuracy of the base maps. On some models the GPS will automatically set itself to lock on road when doing auto routing. **Please ensure that when you want to record tracks, the lock on road setting is OFF.** If you do not do this your tracks are completely useless.
- Know the limitations of your GPS memory for track recording. The newer models such as the Zūmo™ series has a huge amount of memory and it is not so critical, but on older GPS with less memory you will have to be aware that when the track memory of your GPS is full it will either stop recording or wrap (keep on recording but deletes the oldest track recording).
- On the certain models you can set the method of recording tracks. Set the “Record Method” to “Auto”. Set the “Interval” to “Most Often”.