

# Tripmanager

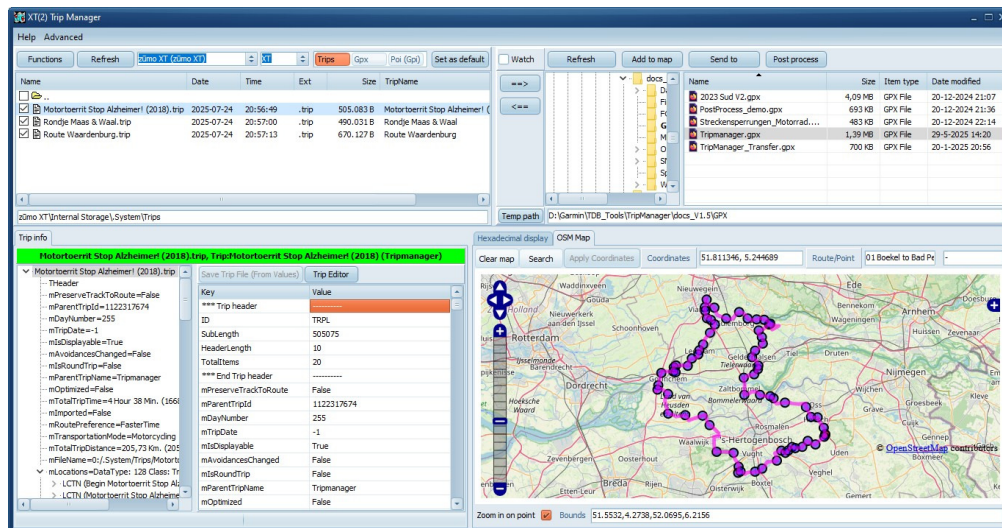
Supported models:

All functions: zūmo XT and XT2

Getting started

- Install the program via the installer. That will create a Desktop icon if requested.
- Make the **.system** folder visible on your zūmo.
- <https://www.zumouserforums.co.uk/app.php/ZXT-P84>
- Connect the zūmo, and wait for the device to appear in Windows Explorer.
- Start the program. It should detect the device and list available files.
- Starting with V1.5 TripManager detects connecting and disconnecting of the zūmo.

Overview

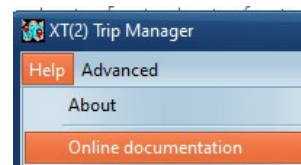


Help/About

Shows the Version.

Help/Online documentation

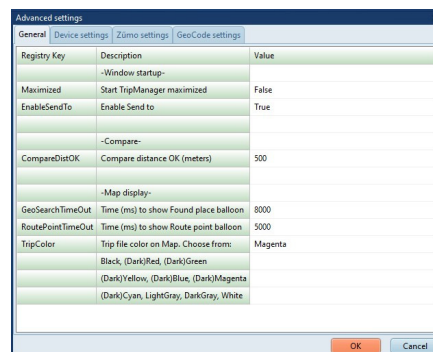
Opens a link to the online documentation



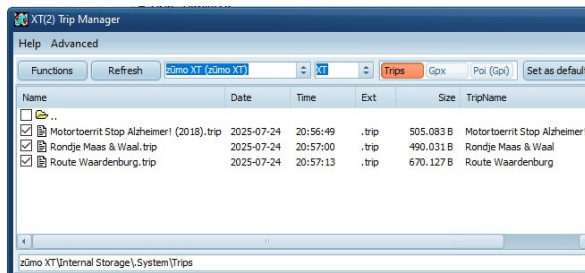
Advanced/Settings

Opens a dialog where you can view/edit TripManager settings.

Enabling GeoCoding needs to be done on the **GeoCode settings** tab where you should enter an Api\_key.

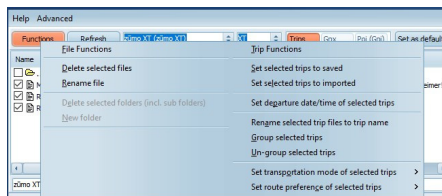


## Device File list (Top Left)



Note: In the **Trips** view a checkbox shows if the trip is saved, or imported.

**Functions.** Displays a submenu.



The functions **Delete** and **Rename** (on the left) are always enabled. **Delete selected folders** and **New folder** are only enabled if **EnableDirFuncs=true** on the **Device Settings**.

The functions on the right are only enabled if a **.trip** file is selected. See **Trip functions**.

Note: When deleting, or renaming, files TripManager checks the file extension. Only extensions **.trip**, **.gpx** and **.gpi** are considered safe.

**Refresh.** If no device connected, refreshes the list of available devices, else it refreshes the files.

**Select an MTP device** By default the program selects the zūmo XT if that is found. You can override that choice.

**XT, XT2, Unknown** For functions that create **.trip** files the program needs to know what your model is. It guesses that from the connected device. You can override that here.

**Trips, Gpx, Poi(Gpi)** The file list has 3 preset directories. You can use these buttons for fast switching.

The default locations are:

**zūmo XT\Internal Storage\System\Trips**

**zūmo XT\Internal Storage\GPX**

**zūmo XT\Internal Storage\POI**

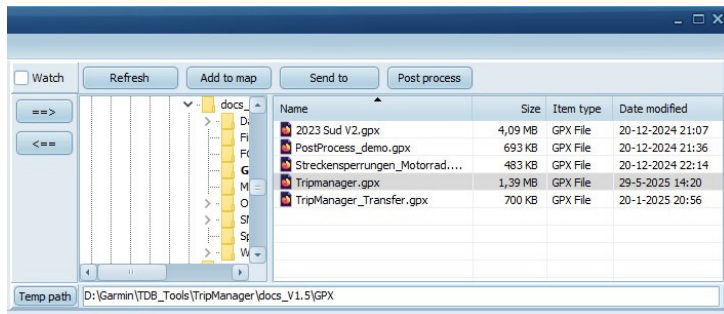
To change a preset setting, navigate to the directory and click: **Set as default**

At the bottom of the file list you see an edit box with the currently selected directory. You can copy and paste that in the Windows Explorer address bar. Also vice versa, but omit 'This Pc'.

Tips for use:

- To select all files in the file list use CTRL+A.
- Clicking on the column heading sorts the files.

## Windows file list (Top right)



This tries to mimic the look of the Windows Explorer. But is limited of course. It only shows certain file types. GPX, TRIP, GPI, KML and HTML.

Tips for use:

- Use CTRL+A to select all files.
- Right click on a file shows a context menu. Where you can delete/rename files.
- Clicking on the column heading sorts the files.
- You can 'drag and drop' from Window Explorer to this window. If a directory is dropped it will open that directory. If a file is dropped, the **Post process** dialog pops up.

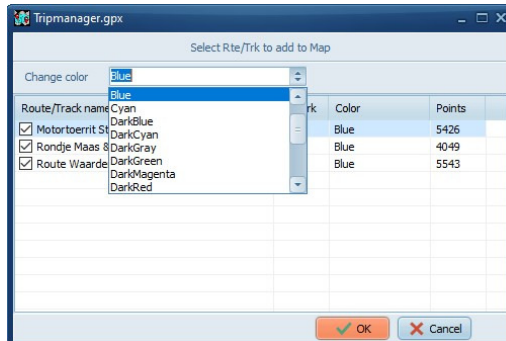
Note: It is possible to navigate to the (zūmo) device and list the files. But this is not it's intended use. Keep the (zūmo) device files on the left, and Windows files on the right!

Buttons available:

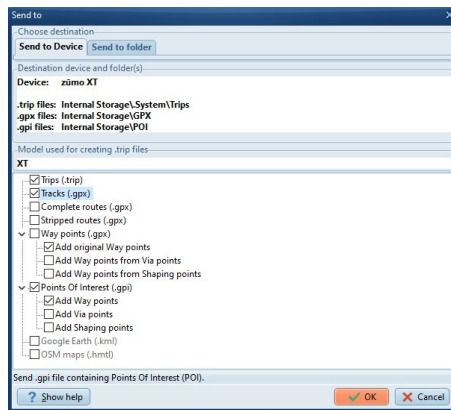
- ==>** Transfers selected files from the (zūmo) device to the (Windows) directory.
- <==** Transfers selected files from the (Windows) directory to the (zūmo) device.  
No logic is performed. But you may see warnings if files already exist, or the file type is considered unsafe.
- Temp path** To perform the functions on .trip files, show the OSM map, and for Transferring to device, files are written to a temporary path. This button opens the Temp path used in a new window.
- Refresh** Obvious.

Buttons available only when one or more GPX files are selected:

**Add to Map** Shows the selected GPX on the OSM map (Bottom right) A dialog is shown where you can select the route/track from the GPX file, and change the color on the map.



**Send to** This button replaces the buttons **Transfer to device** and **Create additional** from previous versions. These buttons are still available if you set **EnableSendTo=false** in settings



**Send to** takes one or more selected GPX files, converts them to the desired format, depending on the check marks ticked, and sends them either to the connected device, or a sub folder on Windows.

Use **Send to device** to transfer your routes/waypoints to your device. **Send to Folder** creates the same files, but saves them on a Windows Folder.

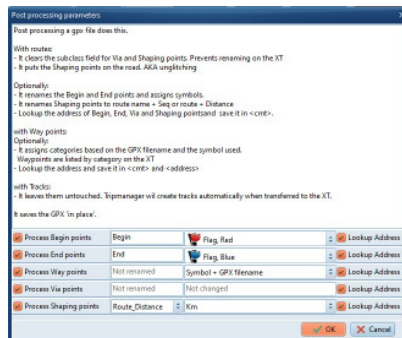
The GPX file should contain one or more calculated routes, or Waypoints (BaseCamp and MRA GPX V1.1 are tested)

**Show help** shows additional info, or see **6. Send to device**

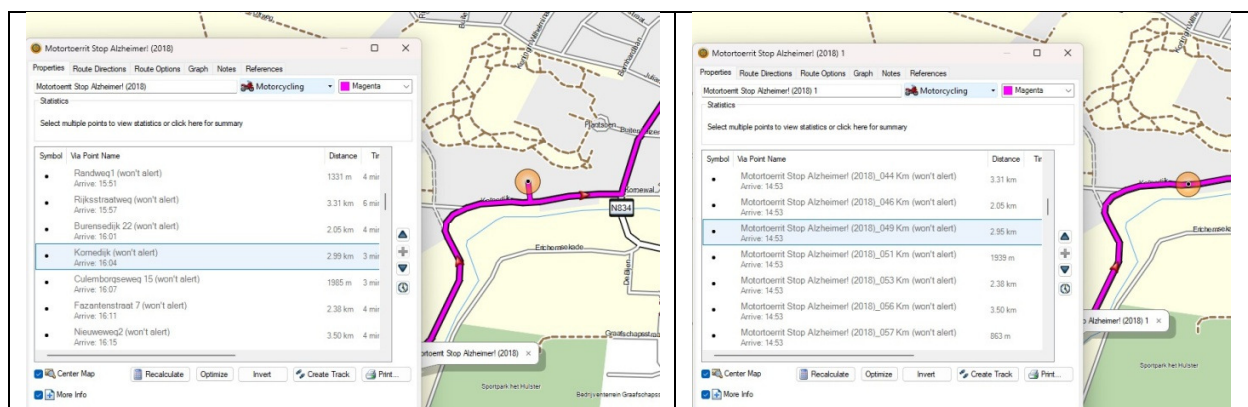
Notes:

- If tracks need to be created, the 'Select from GPX' dialog pops up, where you can select the Routes/Tracks and the color they should get.
- In the middle section the locations are shown where the files will stored on the device. The selected model (XT, XT2 or Unknown) is shown on the line 'Trip files'. You can change the default model and directories on the main screen. For example if you want to store GPX files on the SDCard and not on the internal storage.
- Not available for Send to Device: .kml and .html
- Not available for Send to Folder: Complete routes.

**Post process** Not required, but can be helpful. Post processing can perform various functions on the GPX file. Typically you create a GPX file by exporting from Basecamp or MRA (GPX 1.1 Route + track). Use this function to process the GPX file before you transfer it to the device. It is recommended to import the file back in Basecamp to see what has changed.



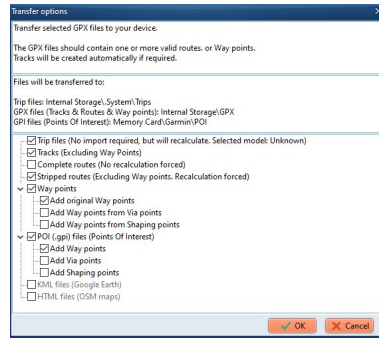
Post processing example:



## Deprecated functions

These functions are replaced by the button **Send to**

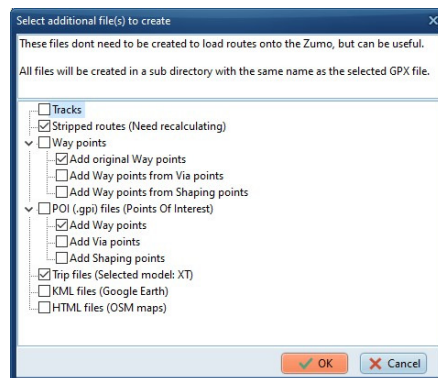
**Transfer to device** This transfers the selected GPX files to the device. Check how and what you want to transfer. The checkboxes you select will be remembered.



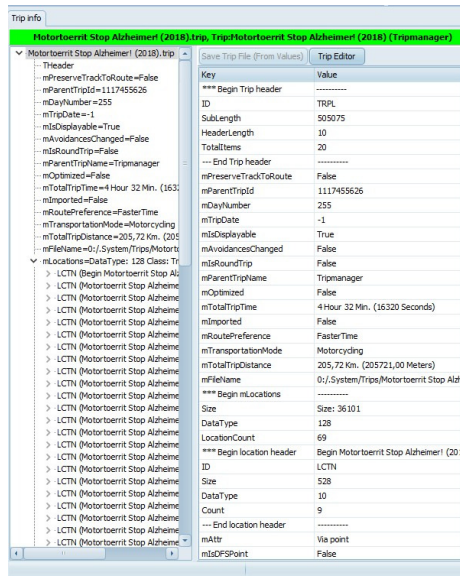
Notes:

- If tracks need to be created, the 'Select from GPX' dialog pops up, where you can select the Routes/Tracks and the color they should get.
- In the middle section the locations are shown where the files will stored on the device. The selected model (XT, XT2 or Unknown) is shown on the line 'Trip files'. You can change the default model and directories on the main screen. For example if you want to store GPX files on the SDCard and not on the internal storage.

**Create additional** Not required, but can be helpful. You can create these file types from the selected GPX files.



## The Trip Window (Bottom Left)



Whenever you select a trip file, from the Device file list, or Windows file list, it is automatically loaded in the trip info. The file name and trip name is shown in a **Green** bar if it was loaded from the device, in **Aqua** if loaded from Windows.

If you make modifications and press 'Save Trip File' the trip file is saved from where it was loaded.

On the left you see a Tree view of all the data items in the trip. Selecting a node filters the grid.

In the grid you can modify all basic data types. The button 'Save Trip File' will be enabled. If you click on it you will get a prompt 'Saving the trip file will force recalculation. OK?'

Selecting a Node, or a line in the grid, will also update the Hexadecimal view and the Map view on the Bottom Right.

Buttons:

**Save trip File (From Values)** Save the modifications in the grid to the trip file.

**Trip Editor:** Opens the trip in the Trip Editor. See **12. Using Trip Editor**

Some info on the items:

**mImported:** Set it to False to prevent RUT. This can also be done with the Trip function. (Top Left view)

**mPreserveTrackToRoute:**  
This is true for a trip created from a track.

**mParentTripId/mParentTripname:**  
All trips having the same values are shown grouped on the Trip planner.

**mRoutePreference**

**mTransportationMode:** Corresponds with what you see on the device when you open a trip.

**mLocations:** Corresponds to Via and Shaping points used. The item mAttr defines Via or Shaping.

**mAllRoutes:** Contains the result of the calculation. TripManager is only able to view basic info, like road names and gps coordinates, or create a dummy node. This first time a trip with a dummy node is opened on the zūmo the trip is recalculated. Note that this recalculation appears to be relatively fast.



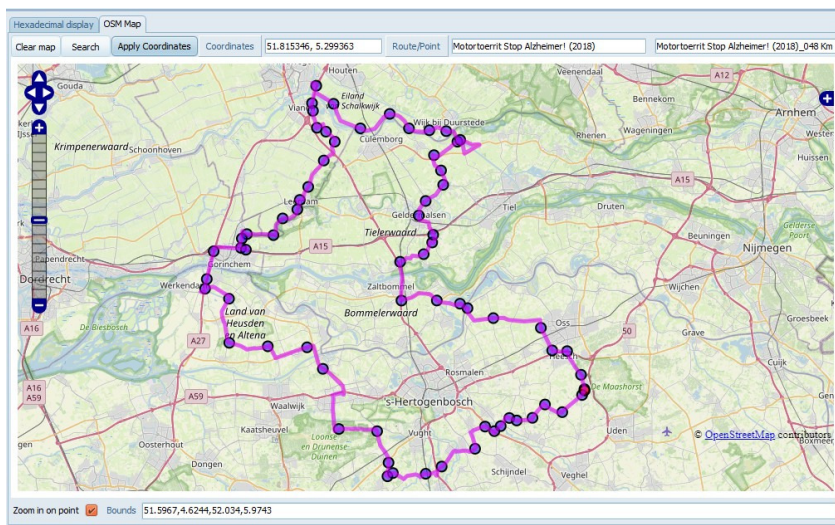
## The Hex / OSM Window (Bottom Right)

Hexadecimal display	OSM Map
Save Trip File (From Hex)	
0x00170 7469 6D65 7A65 6400 0000 0207 0005 0000	timized.....
0x00180 000B 6D54 6F74 616C 5472 6970 5469 6D65	..mTotalTripTime
0x00190 0000 0005 0300 002F 1478 0000 0009 6D65	.....mTotal
0x001A0 0070 6772 7465 6400 0000 0207 0005 0000	.....mTotal
0x001B0 0010 6D54 6F75 7465 5072 6566 6572 6566	..mRouteReferen
0x001C0 6365 0000 0002 0100 0900 0000 136D 5472	ce.....mTr
0x001D0 616E 7370 6F72 7461 7469 6F6E 4D6F 6465	ansportationMode
0x001E0 0000 0002 0109 0900 0000 126D 546F 7461	.....mTota
0x001F0 6C54 7269 7044 6973 7461 6E63 6500 0000	lTripDistance...
0x00200 0504 484E D800 0900 0000 096D 4669 6C65	..mNS.....mFile
0x00210 4E61 6D65 0000 0083 0E00 8030 0000 003A	Name..... 0...
0x00220 0000 002F 0000 002E 0000 0053 0000 0079	.../.....S...Y
0x00230 0000 0073 0000 0074 0000 0065 0000 006D	.....T...e...m
0x00240 0000 002F 0000 0054 0000 0072 0000 0069	.../.....T...r...i
0x00250 0000 0070 0000 0073 0000 002F 0000 0031	...P...e.../...i
0x00260 0000 0031 0000 0030 0000 0033 0000 0032	...i...0...3...2
0x00270 0000 0030 0000 0030 0000 0037 0000 0031	...0...0...7...1
0x00280 0000 0031 0000 002E 0000 0074 0000 0072	...i...0...t...F
0x00290 0000 0069 0000 0070 0000 0009 0000 000A	...i...P...o...t...

The Hex view is for getting more insight in the layout of a trip file.

The selection of the Hex view is synched with the Tree view, or grid. (On the left part)

It is possible to modify the file, and save it using the button 'Save Trip File'. Also on the device. NO recalculation is forced.



The OSM shows the selected trip. Shaping points are blue bullets, Via points are red. If the trip is calculated it shows a magenta line. If you select a Location, or an mUdbDataHndle a popup is shown on the map. You can add routes/tracks from a gpx to the map as an overlay, to compare the calculated trip with.

Tips:

- Hold, and move the left mouse button to position the map.
- Use the Mouse wheel to zoom.
- Use CTRL + Mouse wheel to change the font size.
- Use CTRL + Left Click to get the exact gps coordinates in the edit box.
- If you hover the mouse above a line, it shows the tripname in the edit box. If you hover the mouse above a blue/red point, it shows the via/shaping point name in the edit box.

Buttons:

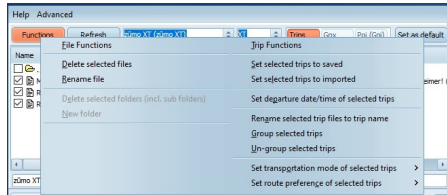
**Clear Map:** Remove All trips/GPX from the map.

**Search:** Opens a dialog to search for places. See **11. Using GeoCode**

**Apply coordinates:** Enabled if a **mScnPosn** item is selected in the grid, or the **TripEditor** (See 12. Using TripEditor) is active. Copies the currently selected coordinates from the map to the trip.



## Trip Functions

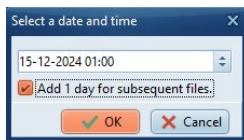


### Set selected trips to saved/imported

To Prevent RUT. Saved trips (Fixed) are shown with a checkbox

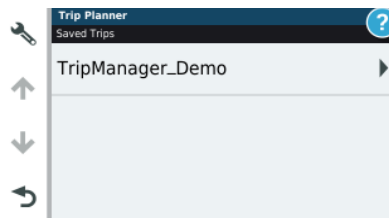
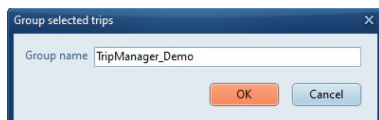
### Set Departure date/time of selected trips

Can be used to sort the trips. Will show a dialog where you can select a date/time to use for the first trip. Optionally all subsequent trips get the next day.



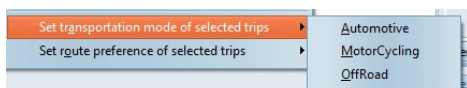
**Rename selected trip files to trip name** Normally all files are assigned a (meaningless) number as file name. This allows you to rename the files to the trip name.

**Group/Ungroup selected trips** You can use this to group trip files. EG group x trips from a multi-day trip.



Will result in a group name in the Trip Planner with a >. Click that to show the trips within.

**Set transportation mode** If you change this, it will force recalculation!



**Set Route preference** If you change this, it will force recalculation!

