

## Tripmanager

Supported models:

All functions:    zūmo XT

Limited: zūmo XT2. The functions that create, or modify, .trip files are not tested, and will likely not work. Displaying info should work.

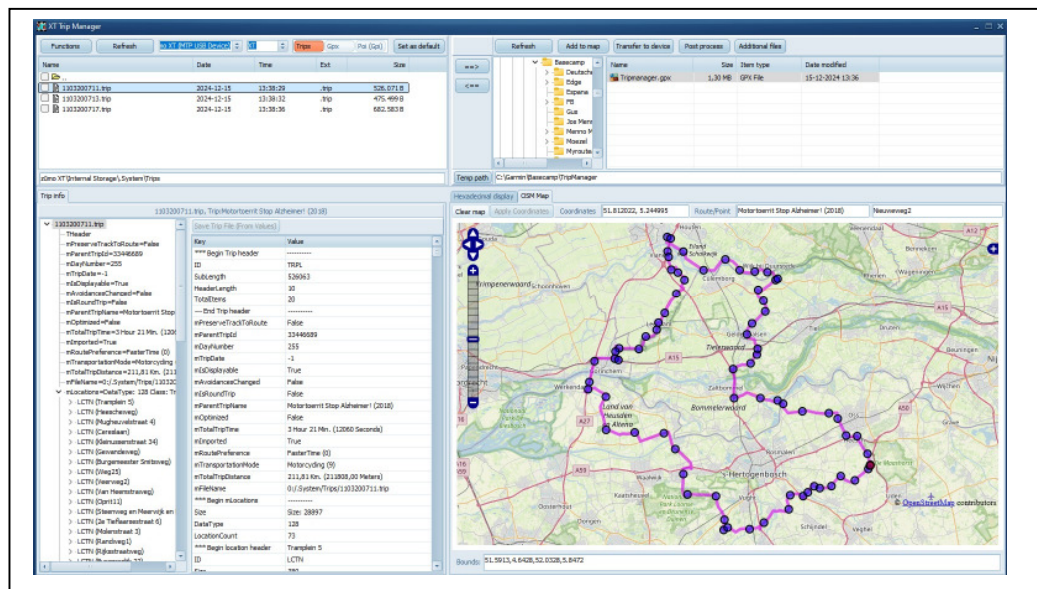
## Getting started

- Install the program via the installer. That will create a Desktop icon if requested.
- Make the .system folder visible on your zūmo.

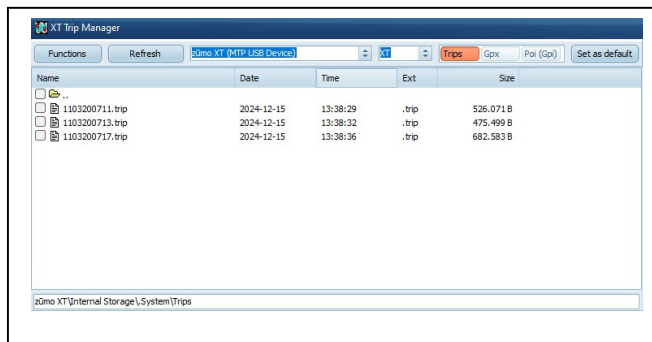
<https://www.zumouserforums.co.uk/app.php/ZXT-P84>

- 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.

## Overview

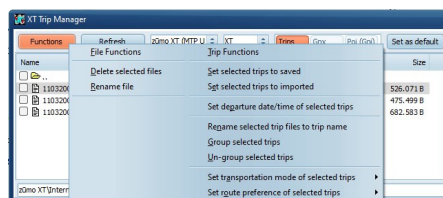


## Device File list (Top Left)



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

**Functions.** Displays a submenu.



The functions on the left (Delete and rename) are always enabled.

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.

**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**

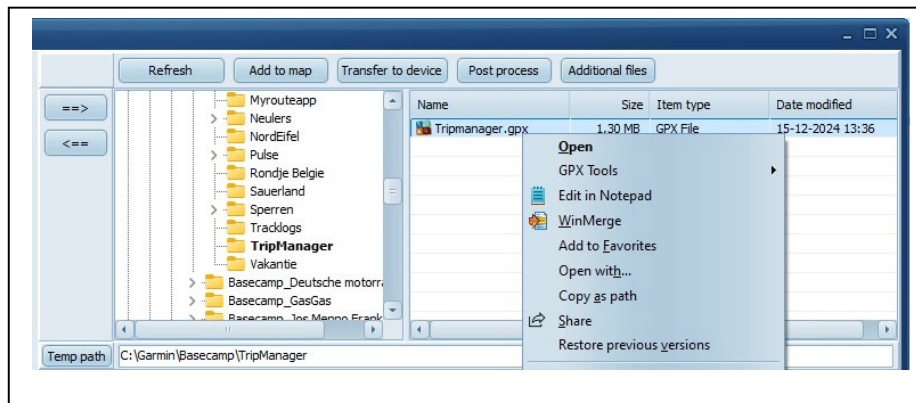
To change a preset setting, navigate to the directory and click: **Set as default**

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' a directory/file from Window Explorer to this window. The **Post process**, and the **Transfer to device** dialog pop up automatically.

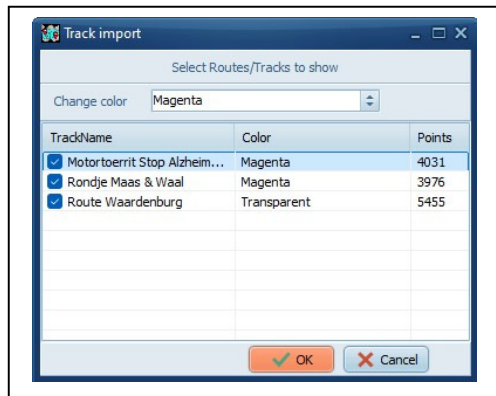
Note: It is possible to navigate to the (zūmo) device and list the files. But this is not it's intended use. Keep the (zūmo) device files on the left, and Windows files on the right!

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:

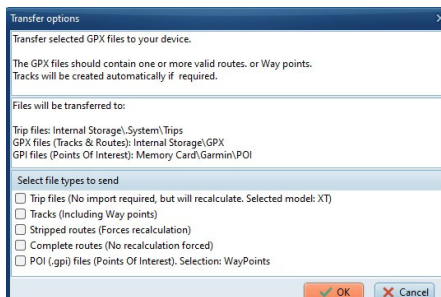
**Add to Map** Shows the selected GPX on the OSM map (Bottom right) A dialog is shown where you can select the route/track from the GPX file, and change the color on the map.



**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:

- For trip files the only model known to work is the XT.
  - In the middle section the locations are shown where the files will stored on the device. The selected model (XT, or XT2) 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.



**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 parameters

Post processing a gpx file does this.

with Routes:

- It clears the subclass field for Via and Shaping points. Prevents renaming on the XT
- It puts the Shaping points on the road. AKA unglitching

Optionally:

- It renames the Begin and End points and assigns symbols.
- It renames Shaping points to route name + Seq or route + Distance

with Way points:

Optionally:

- It assigns categories based on the GPX filename and the symbol used.

Waypoints are listed by category on the XT

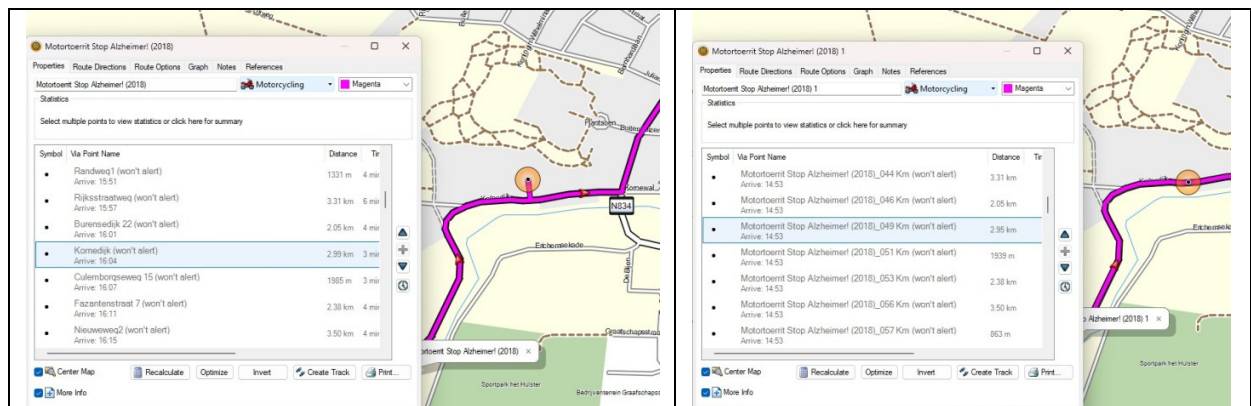
with Tracks:

- It leaves them untouched. Tripmanager will create tracks automatically when transferred to the XT.

<input checked="" type="checkbox"/> Process Begin points	Begin	Flag, Red
<input checked="" type="checkbox"/> Process End points	End	Flag, Blue
<input checked="" type="checkbox"/> Process Way points	Not renamed	Symbol + GPX filename
<input checked="" type="checkbox"/> Process Shaping points	Route-Distance	Km

OK Cancel

Post processing example:



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

Select additional file(s) to create

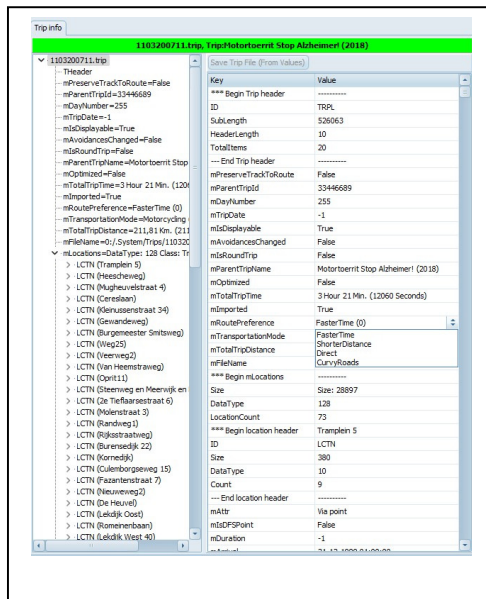
These files don't need to be created to load routes onto the Zumo, but can be useful.

All files will be created in a sub directory with the same name as the selected GPX file.

- ☐ Track (Including Way points)
- ☒ Stripped routes (Need recalculating)
- ☐ Route points
- ☒ POI (.gpx) files (Points Of Interest)
  - ☒ Add Way points
  - ☐ Add Via points
  - ☐ Add Shaping points
- ☒ Trip files (Selected model: XT)
- ☐ KML files (Google Earth)
- ☐ HTML files (OSM maps)

OK Cancel

## 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.

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**

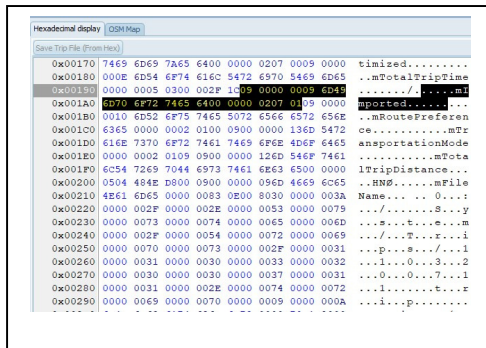
**mTransportationMode:** Corresponds with what you see on the device when you open a trip.

**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.



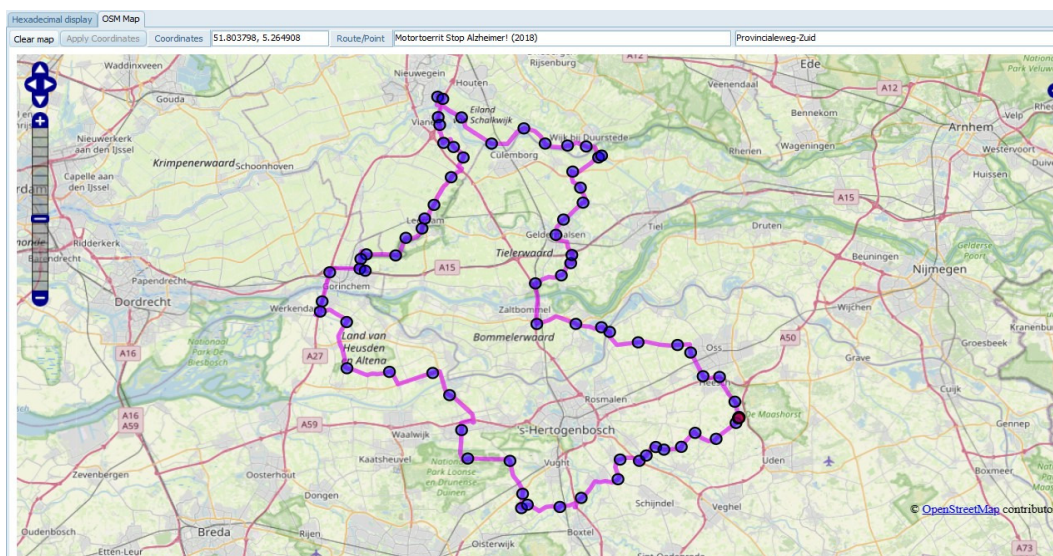
## The Hex / OSM Window (Bottom Right)



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 mUdbataHndle 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:

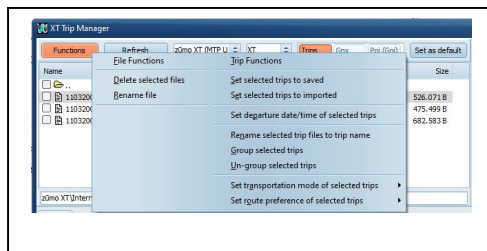
- Hold, and move the left mouse button to position the map.
- Use the Mouse wheel to zoom.
- Use CTRL + Mouse wheel to change the font size.
- Use CTRL + Left Click to get the exact gps coordinates in the edit box.
- If you hover the mouse above a line, it shows the tripname in the edit box. If you hover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

**Apply coordinates:** Enabled if a **mScnPosn** item is selected in the grid. Copies the currently selected coordinates from the map to the trip.

## Trip Functions

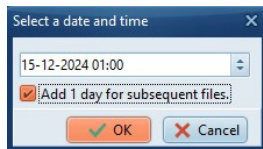


### Set selected trips to saved/imported

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

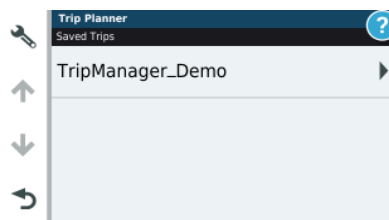
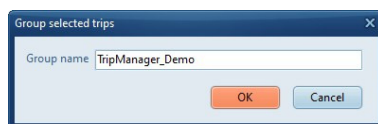
### Set Departure date/time of selected trips

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.



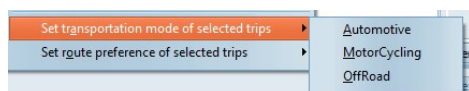
**Rename selected trip files to trip name** Normally all files are assigned a (meaningless) number as file name. This allows you to rename the files to the trip name.

**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!

