

# Terracrosser GPS Navigation Software



## User Manual

### Using Pocket PC

#### ● System Requirements

Terracrosser can be used on mobile device with Windows Mobile operating system version 5.0 and above. It also requires .NET Compact Framework 3.5 installed (you can download it from Microsoft website).

Mapper module can be used on personal computer with Internet connection. It also requires .NET Framework 3.5 installed (you can download it from Microsoft website).

#### ● Installation

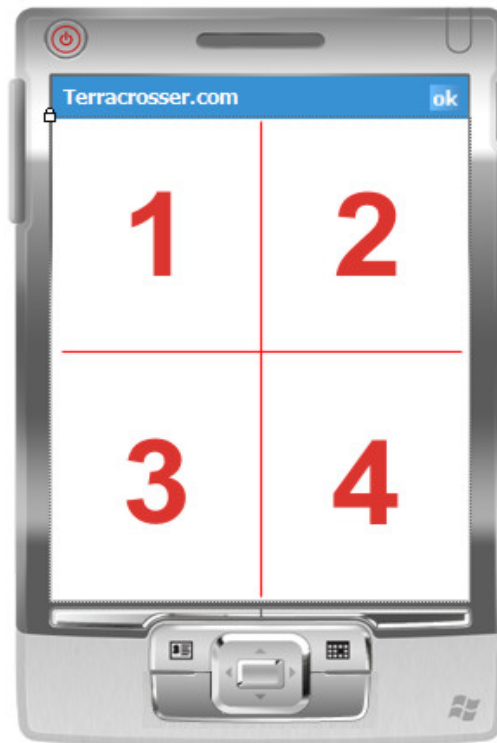
To use Terracrosser on your Pocket PC you need to install «Terracrosser.cab» file. To do this you have to copy this file to your Pocket PC device and launch it there.

#### ● Terracrosser Interface

Terracrosser uses several buttons:

- Right & Left Software Keys to zoom in and out
- Joystick directions to scroll the map
- Joystick Button (short press) to switch between Map and Photo modes
- Joystick Button (long press) to return from Scrolling to Navigation mode

Also you can perform some functions by touching the screen. Screen touch zones are shown on Picture 1.



Picture 1.  
Touch zones of the screen.

## ● Navigation Mode

When you start Terracrosser, it launches in Navigation mode. In Navigation mode Terracrosser uses GPS to determine coordinates and automatically scrolls the map according to your position.

If you see «?» mark in the center of the screen this means that GPS coordinates are currently unavailable. This happens when starting Terracrosser or when satellites signal is too weak. In this case please wait for a while or relocate to open air.

In navigation mode there are two types of map display: fixed map and rotating map. You can switch between these two types by touching the screen at zone 1.

To switch to Scrolling mode just start scrolling the map.

## ● Scrolling Mode

When you start scrolling the map, Terracrosser switches from Navigation to Scrolling mode. In Scrolling mode GPS chip turns off, and you can browse the map in any direction using Joystick.

Alternatively you can scroll by touching the screen:

- touching at zone 3, moving right and releasing at zone 4 scrolls to the right;
- touching at zone 4, moving left and releasing at zone 3 scrolls to the left;

- touching at zone 2, moving down and releasing at zone 4 scrolls to the bottom;
- touching at zone 4, moving up and releasing at zone 2 scrolls to the top;
- when scrolling, touching the screen in any place stops scrolling.

To switch to Navigation mode press and hold (for 1 second) Joystick Button.  
Alternatively you can touch and hold (for 2 seconds) the screen at zone 2.

#### ● Map, Photo and Relief Modes

You can easily switch between Map, Photo and Relief modes by pressing Joystick Button.

Alternatively you can touch the screen at zone 2.

Terracrosser will switch to another map mode if this map is available for this mode and for current zoom level.

#### ● Zooming

You can zoom in and out the map in any mode using Right and Left Software keys.

Alternatively you can zoom in by touching the screen at zone 4 and zoom out by touching the screen at zone 3.

#### ● Settings Panel

You can open settings panel by pressing and holding right software button.

Alternatively you can touch and hold (for 2 seconds) the screen at zone 4.

#### ● Exit Application

You can exit Terracrosser by pressing OK button. Alternatively you can press and hold left software key when you are in settings panel.

## Using Mapper

You can use Mapper to download your maps from Internet. Mapper is designed to download the map in all zoom levels which you specify. Also you can download Map, Photo and Relief images for the same territory.

#### ● Use Map Management Window

Start new map by pressing «Start New Map» button and entering new map name or by selecting already existing map and pressing «Continue Map» button. So, you will be transferred to Map download window.

#### ● Select Territory

Browse to find proper territory which map you want to download.

You can use «Center» setting to manually navigate to desired point.

Use «Image Size» resolution settings to adjust your map images size and region for mapping.

Use «Zoom» setting to select proper view for your map and region for mapping.

#### ● Prepare for Download

Use «Max Zoom» setting to set maximum zoom level for your map. Mapper will download map of selected territory with all zoom levels between currently visible and Max levels.

Use «Map Type» setting to choose Map, Photo or Relief type of your map. Please note that not all map services support all map types (for example, Yahoo! Maps does not support Relief map type).

Use «Quality» setting to define JPG quality of your map files.

#### ● Download the Map

To start downloading press «Download Map» button. Mapper will automatically stop when finished downloading. If you want to break operation, press «Stop» button.

#### ● Pack Map

Before copying your map to Pocket PC you have to pack your downloaded map files into one map package.

You have to close Mapper downloading window and return to map management window. Here you need to select map which you finished downloading and press «Pack Map» button. New «\*.map» file will be created in your maps directory. This is the file which you need to copy to your Pocket PC.

For example, if your map name was «Paris» and you downloaded Map and Photo types of map, then after downloading you will get two new directories «Paris [Map]» and «Paris [Photo]» in your maps directory.

After packing your map you will get two new files «Paris [Map].map» and «Paris [Photo].map» which are final map packages which you need to copy to your Pocket PC.

#### ● Copy Map to Pocket PC

In order to use downloaded map with Terracrosser, you need to copy map files to your Pocket PC. To do this please copy «\*.map» files to «Maps» folder of Terracrosser application directory on your Pocket PC (C:\Program Files\Terracrosser\Maps\). Terracrosser already contains default Earth maps in this directory, so just add your map here.

If you want to use Extension Slot Card to store your maps, please create «Maps» directory in the root of the card and copy your map file there.

Terracrosser will use all maps in application directory and extension cards (if any) simultaneously.

- You can save your current map settings in «Map > Save» menu.
- Description of Mapper menu «Options»:
  - «Waiting Time» sets time to wait for finishing loading map page.
  - «Number of Retries» sets number of retries to load map page if it was considered incomplete.
  - «Use Hybrid Photo» option enables hybrid version of Photo mode.
- In Mapper menu «Service» you can select which map service you prefer to use.
- Advanced Usage of Mapper

If you interrupted your downloads, then just start downloading this map again – it will resume at the place where you previously stopped.

You will notice that after you started map downloading you will not be able to change map geographics parameters. If you feel necessity to change them for this map, then delete folder with already downloaded images for this map. This will make your map parameters adjustable again, but you will have to start downloading from the beginning.

You may need to download different zoom levels with different map services. For example for your map with zoom levels 10-17, you can set Max Zoom to 14, download zoom levels 10-14 with Yahoo!, then change Max Zoom to 17 and continue downloading with Google.