

# Offline Maps in TruFleet | GMapCatcher

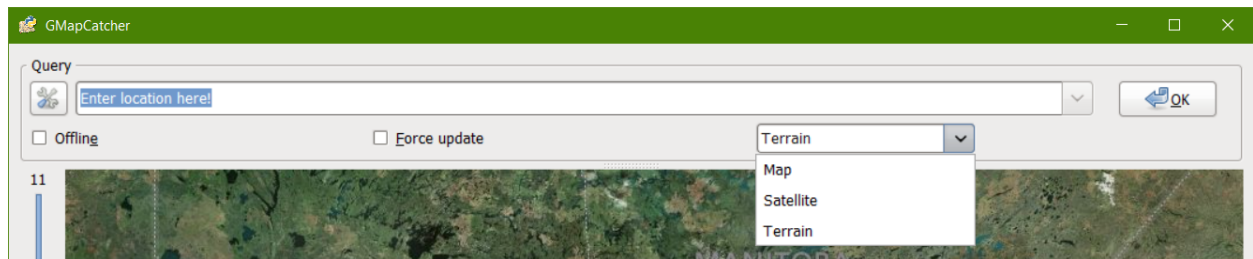
This guide details the steps in downloading the offline maps for use in TruFleet.

## Overview

GMapCatcher is a Windows application that will download map tiles to the main Teldio TruFleet Server so client users can access those maps over a local network. GMapCatcher tiles are downloaded by navigating the map in GMapCatcher and processing a batch download.

## Tile Sets

There are three tile sets: “Satellite”, “Terrain” and “Map”, which can be selected with the dropdown in GMapCatcher. They are viewed in TruFleet with the priority Satellite > Terrain > Map; meaning that if a Satellite tile and a Terrain tile have been downloaded for the same region, then the Satellite tile will be viewed in TruFleet.



## Zoom Levels

There are zoom levels from 0 to 16. Where 0 is a close street view, and 16 is a view of the entire planet. The zoom bar is located on the left hand side.

## Tile File Location

Make sure to store the downloaded tile images to the “C:\ProgramData\GmapCatcher” directory. A subfolder will be created for each corresponding tile set (sat\_tiles, ter\_tiles, tiles), which have subfolders for each zoom level. If necessary, images can be deleted from these subfolders (the WCP Server may need to be stopped for file access).

Ideally, the GMapCatcher is installed on the main TruFleets server and the files are downloaded directly to that computer while the computer has an Internet connection. If this is not possible, files may be manually moved to the above folder after download.

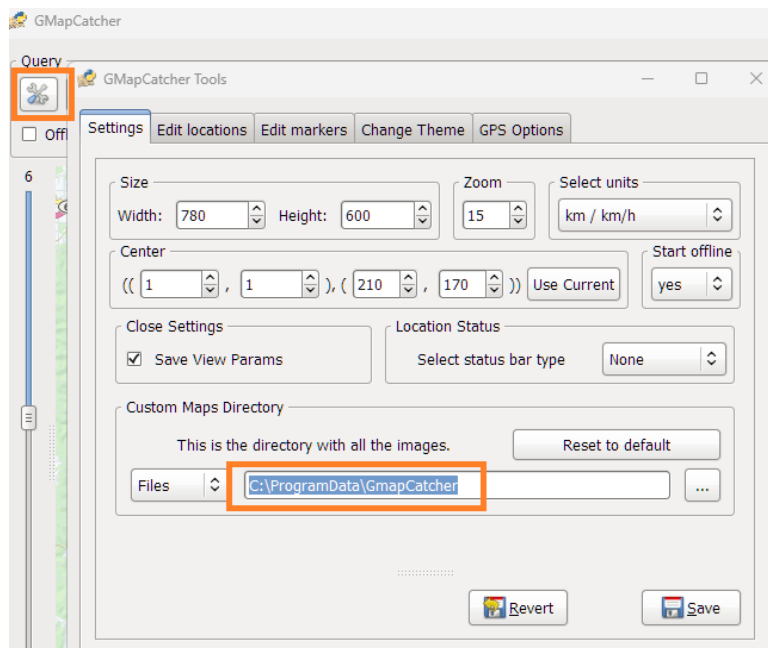
# Installation Instructions

## Install GMapCatcher

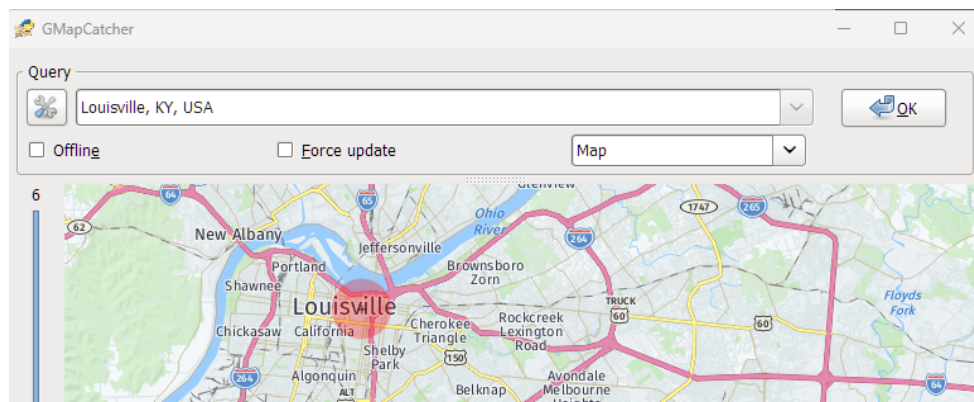
1. Download the GMapCatcher Installer: [GMapCatcher-0.8.2.1.exe](#)
2. Install the application by choosing all default options.

## Downloading the Map Tiles

1. Open GMapCatcher
2. Click on the settings icon and make sure the Custom Maps Directory is set to C:\ProgramData\GmapCatcher.

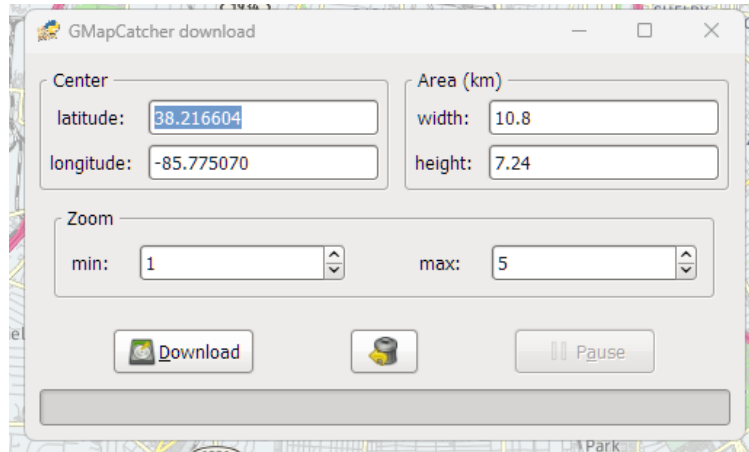


3. Select your map.
  - a. Search for the map area you would like to download.
  - b. Select the desired type of map tile (Satellite/Terrain/Map).
  - c. Pan and zoom GMapCatcher to the area that you want to download.



**IMPORTANT:** Please read the ‘Download Guidelines’ section before the next step.

4. Right-click the center of the map and select “Batch Download”. The center and area will match what is displayed on the current map.
  - a. Adjust the min and max zoom accordingly (see Download Guidelines below).
  - b. Click “Download” and wait for the downloading to finish.



## Download Guidelines

It is important not to download too many tiles at once using the batch download utility, since it can cause GMapCatcher to slow down and eventually crash over a long process. It is not intended to download an entire state/province, but rather specific areas that will be in planned use (e.g. 12km by 12km)

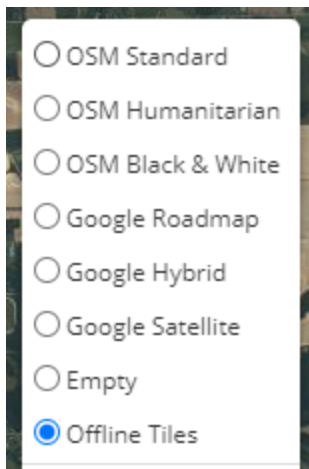
As a general rule of thumb, it is recommended to download no more than the 5 zoom levels in one batch download (e.g. zoom levels 1-5, or zoom levels 4-8). This is the default number of zoom levels that will be downloaded once the batch download utility is clicked. On exceptions, 6-7 zoom levels may be downloaded at once, but no more since the number of tiles downloaded increases exponentially.

A good strategy is to process batch downloads at multiple zoom levels to fill in the tiles for all zoom levels (0-16). For example, if you wish to have offline maps for a specific location in Winnipeg:

1. Zoom into the area you wish to save for offline (level 3), then do a batch download of that area for zoom levels 0 - 4.
2. Next, zoom out / up 2 levels, and then do a batch download of the zoomed out area. These levels would be 2 - 6.
3. Any duplicate zoom levels / tiles will not be re-downloaded.
4. Zoom into any other areas you wish to save, and repeat the above steps.

## Enable Offline Maps in TruFleet

1. Open the WCP Configurator
2. Go to File/'Save to File...', give the file a name when prompted and save the file to a location on your computer
3. Open the downloaded file and find the term below  
**OFFLINEMAPSENABLED=False**
4. Change that line to the following and save the file  
**OFFLINEMAPSENABLED=True**
5. Go to the WCP Configurator and select File/'Load from File...'
6. Browse to the updated configuration file and click on open. This will add the new configuration
7. Go to File/Save for WCP Server and then when prompted click the 'Start Server' or 'Restart Server' button. This will restart the TruFleet services (takes about 15 seconds)
8. Go to the TruFleet user interface on a web browser and hover over the Layers icon and you should now see a "Offline Tiles" option. Click on that option to load your offline/downloaded maps at the downloaded zoom levels.



## Further Information

For any support or further information, contact Teldio support at [support@teldio.com](mailto:support@teldio.com)