

Garmin POI Loader version 2.4.0 beta

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1. Version Differences

- Added support for Windows Mobile devices.
- Added support for uninstalling all custom POI's from a device.
- Added support for subcategories of POI's.
- Added support for handling individual bitmap symbols for each subcategory of POI's.
- Added support for jpeg (.jpg) images that can be associated with POI's.
- Added support for wave (.wav) files POI alerts.
- Added support for allowing users to specify a "Link" directory that contain POI associations, such as bitmap (.bmp) symbols, jpeg (.jpg) images, mp3 (.mp3) audio files, or wave (.wav) audio files.
- Added support for contact information and address information that can be specified in a GPX (.gpx) file.
- Added a command line option to POI Loader to run automatically without requiring user interaction.
- Added the ability to choose POI files to ignore.
- Check for validity of the drive name in the POI path.

2.1 New Features – Standard

How to uninstall all previously installed custom POI's from your Garmin GPS device.

1. Turn on your Garmin GPS device and connect it to your PC. If you are using a card reader, connect it to your PC.
2. Open POI Loader and click Next.
3. Make sure the appropriate device appears in the Device field. If not, click Find Device. If you have multiple devices connected to your PC, select the device you want from the drop-down list.
4. Click Next.
5. Select the option for "Remove all previously installed custom POI's from your device".
6. Click Next.
7. If you are sure you want to remove all previously installed custom POI's from your Garmin GPS device then click Yes.
8. Click Finish.

How to ignore certain POI files when running POI Loader

1. Turn on your Garmin GPS device and connect it to your PC. If you are using a card reader, connect it to your PC.
2. Open POI Loader and click Next.
3. Make sure the appropriate device appears in the Device field. If not, click Find Device. If you have multiple devices connected to your PC, select the device you want from the drop-down list.
4. Click Next.
5. Select the option for "Install new custom POI's onto your device".
6. Click Next.
7. Select the directory where the data files can be found. POI Loader detects all .csv and .gpx data files within that directory.

8. Select the appropriate units for distance and speed (Feet and MPH or Meters and KPH).

NOTE: POI Loader uses these units to interpret the data within the data files. If you select units that are different from the units used in the data files, your speed alerts will not be accurate.

9. Select Manual, then click Next.

NOTE: You will now be taken through each POI file where you can adjust the settings for each file.

10. If you wish to ignore certain files, check “Ignore this file?”.

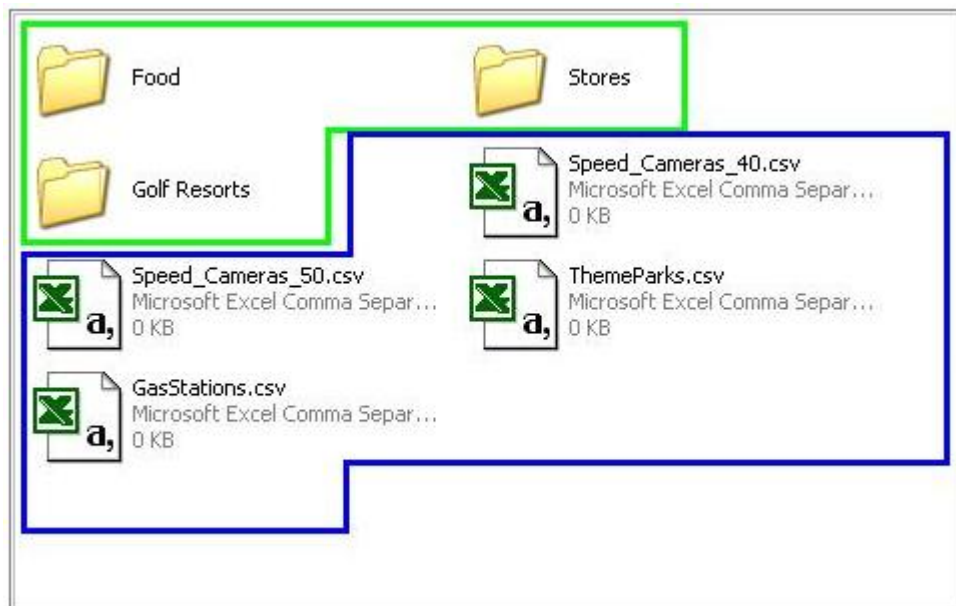
11. Repeat Step 10 for each data file you want to load. After you choose the settings for all data files, POI Loader installs the POI's on your device.

NOTE: This replaces any existing Custom POI's installed on your device.

12. Click Finish

How to create subcategories of POI's

In previous versions of POI Loader, all of your POI's had to be in a single directory in order for them to be transferred to your Garmin GPS device. In POI Loader 2.4.0 we are allowing POI's to be placed in subdirectories of your top level POI directory. For example, the following image shows a directory structure that supports this feature.



In the picture above we have 3 subcategories of POI's, Food, Stores, and Golf Resorts (Highlighted in green). Each of these subcategories may have multiple POI files (.csv or .gpx). We also have 4 sets of POI's that don't belong to subcategories. Having a structure like the one above will result in the following on your Garmin GPS device:



Loading custom bitmap symbols for each subcategory of POI's.

In addition to the new ability to create subcategories of POI's, each category and subcategory can have a bitmap (.bmp) image associated with it. Currently, POI Loader can associate customized bitmaps with the points in a data file if the bitmap has the same file name as the data file. For example, a customized bitmap named "Speed_30.bmp" would be associated with all the points in the file named "Speed_30.csv" or "Speed_30.gpx." Bitmaps must be saved in the same directory as the associated data files. Now custom bitmaps may also be associated with all of the POI files of a subcategory. In this case the bitmap image file name must match the subcategory name. So for example, if a subcategory name is "Restaurants" then a bitmap image with the file name "Restaurants.bmp" would be associated with all the POI files in the "Restaurants" directory.

NOTE: If a custom bitmap image is associated with a subcategory and there is also a custom bitmap image associated with a given POI file in that subcategory, the bitmap associated with the individual POI file will take precedence over the bitmap for the entire subcategory.

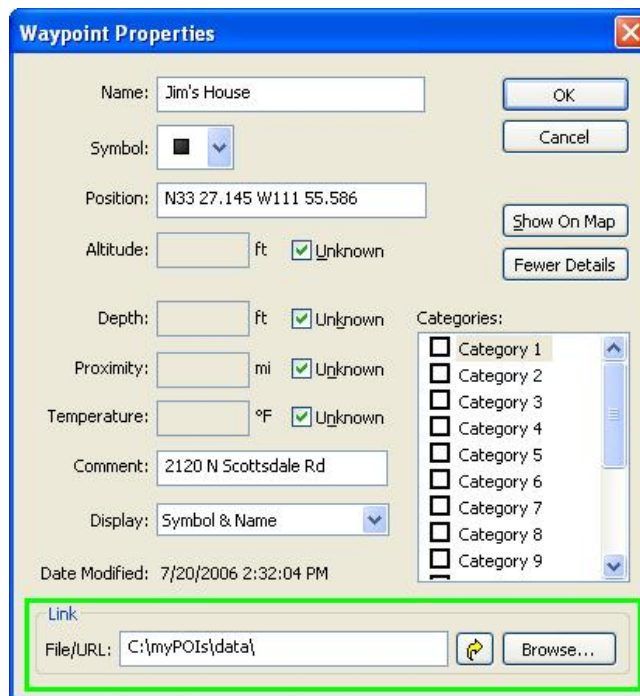
NOTE: Your Garmin GPS device may have image size requirements. Most compatible Garmin products work well with icons that are 24x24 pixels or smaller. Bitmaps that do not meet those requirements may appear distorted when viewed on the unit's screen.

NOTE: Custom bitmaps can also include a transparent color. Most compatible Garmin products use magenta (RGB 255, 0, 255) as the transparent color.

Loading all custom POI enhancements from a given directory.

In the previous version of POI Loader you were able to create custom POI files in MapSource and save them as GPX (.gpx) files and use POI Loader to load them onto your device. When creating these custom POI files in MapSource you could use the "File/URL" field in the Waypoint properties dialog to specify an mp3 (.mp3) audio file to play on TourGuide supported devices.

In POI Loader 2.4.0 you may now additionally specify jpeg (.jpg) images, wave (.wav) audio files, bitmap (.bmp) image files, and directories. Although the "File/URL" field only supports a single entry, by specifying a directory that contains any or all of the previously listed enhancements, you can associate many types of media with your POI's. For example:



This example shows that we are specifying the directory "C:\myPOIs\data\" to be our link. If that directory contains any of the available POI enhancements listed above, then they will be associated with this POI on your Garmin GPS device.

NOTE: You may also specify a relative path in the link field. For instance, if all of your link data is in a subfolder of your POI folder called "data", you may just type "data" in the link field.

Associating a JPEG image with a custom POI

Many Garmin units support viewing image(s) associated with a custom POI. Now POI Loader allows you to associate 1 or more jpeg (.jpg) images for any POI on your supported Garmin GPS device. You may use MapSource to create waypoints, in which the link field specifies a jpeg image or specifies a directory that contains 1 or more

images. Please see the MapSource Help section for information on how to do this. Save these waypoints in GPX (.gpx) format and use POI Loader to transfer them to your device.

2. New Advanced Features

How to run POI Loader in Silent mode.

You can run POI Loader in Silent mode which means that POI Loader will run using the same settings from the last time the wizard was used. If any of these settings are now invalid, the wizard will launch, therefore allowing you to adjust these settings and continue to install your custom POI's.

To run in Silent mode you can call POI Loader from the command line with the Silent mode option enabled, for example:

➤ PoiLoader.exe /silent

NOTE: Silent mode is not currently supported for Windows Mobile, Pocket PC, or Palm devices.

How to add address and contact information to custom POI's

NOTE: Although POI Loader now supports custom address, phone number, fax number and email information support, it should be noted that the current method of preparing this data should be performed by advanced users only. By editing your GPX (.gpx) files you assume the risk that these files may become corrupted and unusable if not edited properly.

Open the GPX file you wish to edit in your choice of text editor (for this example, WordPad is being used to edit the file).

Address Information XML Specification

The address information syntax allows for the specification of street addresses (up to 2), city, state, country and postal code. This information must be entered in this order, although you may leave out any of the sections. For example, you could specify a street address, state, and postal code, thus leaving out the second street address, city, and country fields.

Contact Information XML Specification

The contact information syntax allows for the specification of phone numbers (up to 2), fax, and an email address. This information may be entered in any order since the

attribute, "Category" is used to distinguish among which type of contact information you are supplying. So for example:

```
<gpxx:PhoneNumber Category="Fax">985-6645</gpxx:PhoneNumber>
```

If no category is specified or supported by POI Loader, then the information defaults to the "Phone" category. So for example:

```
<gpxx:PhoneNumber>611-1635</gpxx:PhoneNumber>
```

This is correct syntax and your supported Garmin GPS device would place this information into the "Phone" field if available.

The following XML data shows a POI that includes address and contact information. The address information is written in **green** and the contact information is written in **blue**.

```
<wpt lat="33.335668" lon="-111.950193">
  <time>2006-07-10T15:30:29Z</time>
  <name>Jim's House</name>
  <extensions>
    <gpxx:WaypointExtension
      ...
      <gpxx:DisplayMode>SymbolAndName</gpxx:DisplayMode>
      <gpxx:Categories>
        <gpxx:Category>Category 1</gpxx:Category>
      </gpxx:Categories>
      <gpxx:Address>
        <gpxx:StreetAddress>123 Main St</gpxx:StreetAddress>
        <gpxx:StreetAddress>Apt. 321</gpxx:StreetAddress>
        <gpxx:City>Sometown</gpxx:City>
        <gpxx:State>AZ</gpxx:State>
        <gpxx:Country>USA</gpxx:Country>
        <gpxx:PostalCode>12345</gpxx:PostalCode>
      </gpxx:Address>
      <gpxx:PhoneNumber Category="Phone">545-9665</gpxx:PhoneNumber>
      <gpxx:PhoneNumber Category="Fax">611-1635</gpxx:PhoneNumber>
      <gpxx:PhoneNumber Category="Email">
        test@testserver.com
      </gpxx:PhoneNumber>
    </gpxx:WaypointExtension>
  </extensions>
</wpt>
```

NOTE: This XML code should be entered into your GPX POI files exactly as shown above, if not, you may corrupt your POI files and render them unusable.