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Installing Your GPS Trailmasters Map

When you purchase a trail map from GPS Trailmasters, a map installer is placed into your account.

This guide describes the steps to download the map installer from your GPS Trailmasters account and then transfer the map to your Garmin GPS, mobile device such as an iOS (Apple) or Android smartphone or tablet, or Polaris Ride Command© built-in display.

Installation is easy to do:

1. Download the map files from your account to your computer (or directly to your mobile device).
2. Install the map to:
   a. your GPS using a standard USB cable
   b. your mobile device via email
   c. your Polaris Ride Command© built-in display using a thumb drive
   d. the navigation app of your choosing on your mobile device

Step 1 must be run with purchase of the X Package <u>even if</u> you purchased the microSD memory card (referred to as a 'chip'). The GPS Trailmasters' map installer will:

✓ Provide the Terms and Conditions for using the map.
✓ Register the map for future updates.
✓ Copy the Garmin map files to your computer so they can be recognized by Garmin BaseCamp and MapInstall
✓ Copy the complete set of X Package files to your computer, including the Android, iOS, Google Earth, and GPX formats.

Step 2a transfers the GPS map from your computer to the GPS. For this step you must connect the GPS to your computer using a standard USB cable. If installing to your own microSD card, the card must be in the GPS.

✓ Windows computers use Garmin BaseCamp.
✓ Mac OS X computers use Garmin MapInstall.

Step 2b transfers the GPS map from your computer to your mobile device. For this step you will send files from your computer to your mobile device via email to download and transfer to the app of your choosing.

✓ iOS (Apple) devices are recommended to use Guru Maps Pro.
✓ Android devices are recommended to use OsmAnd or Locus Map.

If you purchased the Trail App Data on its own, use of a computer is not necessary, and you can install map files to the navigation app of your choosing entirely on the mobile device. For instructions on Trail App Data, skip to page 30.

Step 1 - Download the Map Files to Your Computer

The GPS Trailmasters map files are copied to your computer by downloading and running the map installer. The GPS Trailmasters map installer is downloaded from your customer account on the www.gpstrailmasters.com website. You may download the map installer as many times as desired for a period of two years following your purchase. <u>The map installer in your account always contains the latest version of the map.</u> Login to your account by clicking the person icon in the top menu of the home page.
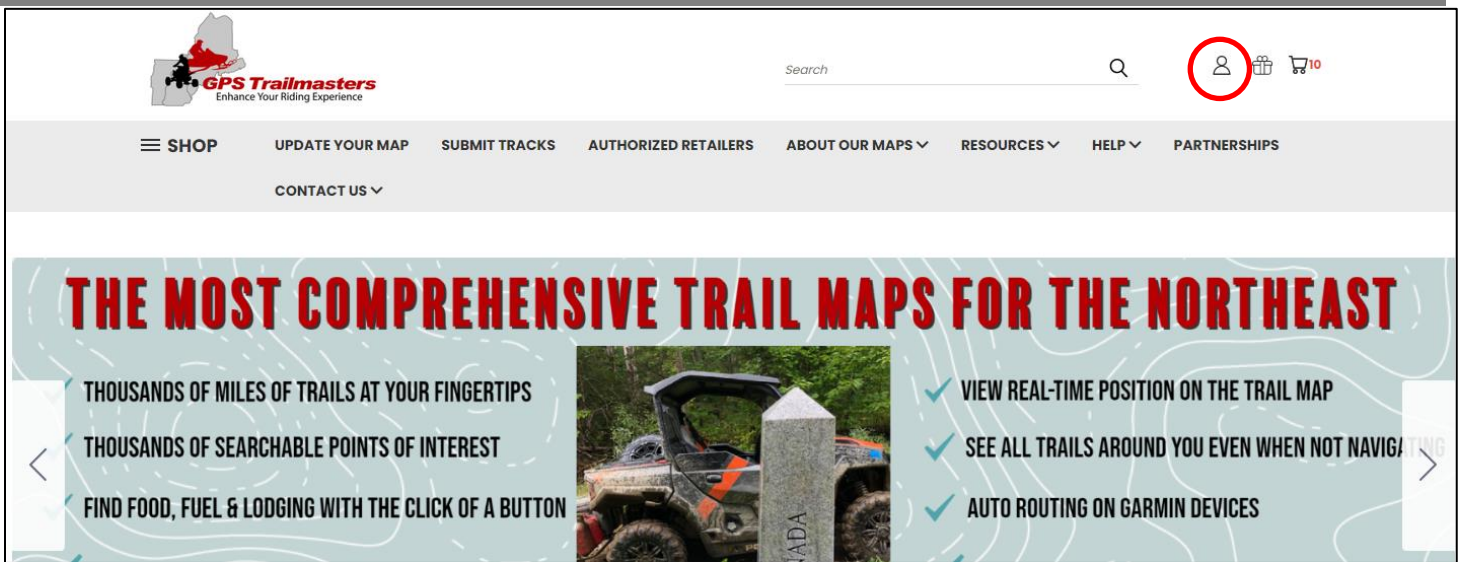
The Account screen below will be displayed. Sign into your account using your Email Address and the Password that you used to purchase the map. Click the **Sign In** button.

If you forgot your password, click the Forgot your password? link below the *Sign In* button. A new password will be sent to the email address you specify.
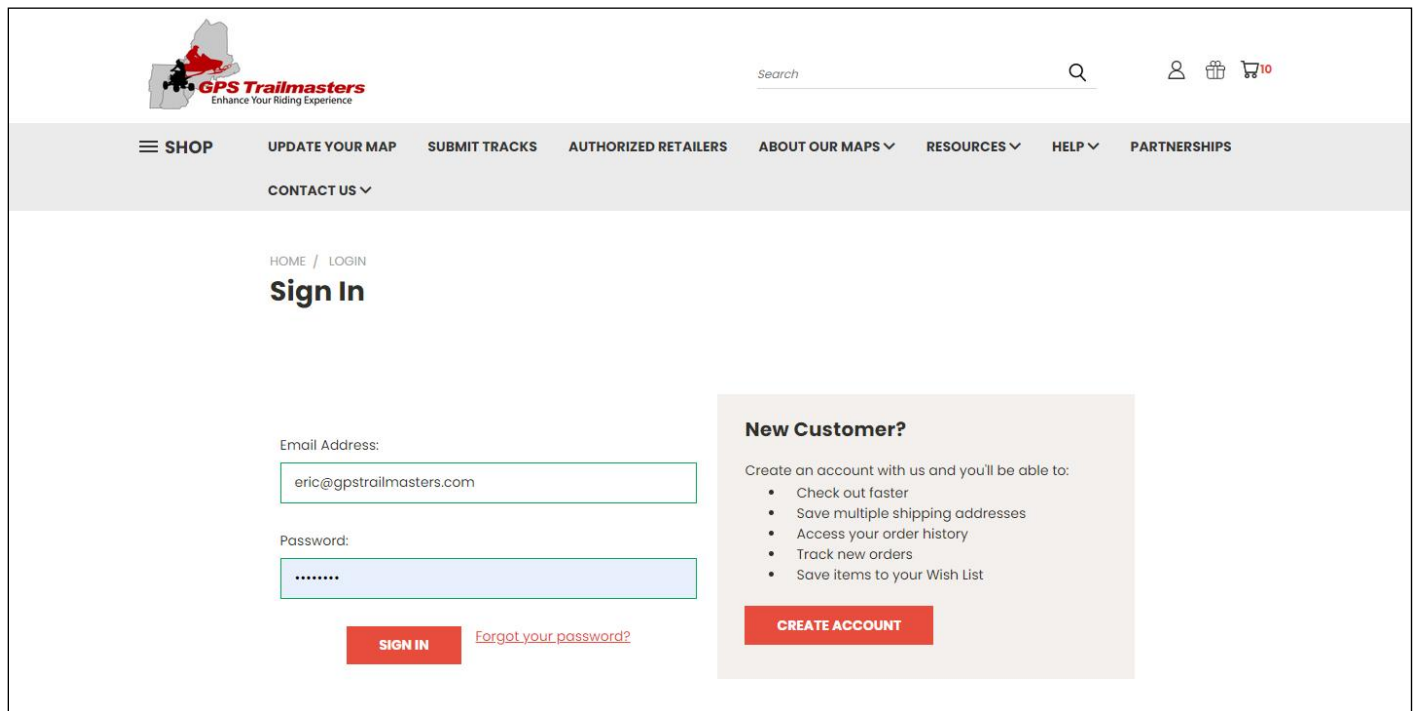
After signing in, the Orders screen below will be displayed with a list of other account options, like Messages and Account Settings. All completed orders will be listed here.

Click the order you would like to download files for. The order details will be shown. Then, click the orange download icon on the image of the map product.

The map product is displayed with links to both a Windows installer and a Mac OS X installer. This is also where you can see the expiration period for your installer. The expiration period will "count down" each day. The installer version (V14.11) is provided in the title. When a new version of the map is released, the version of the installer will be rolled automatically to the next version (e.g., V14.12).
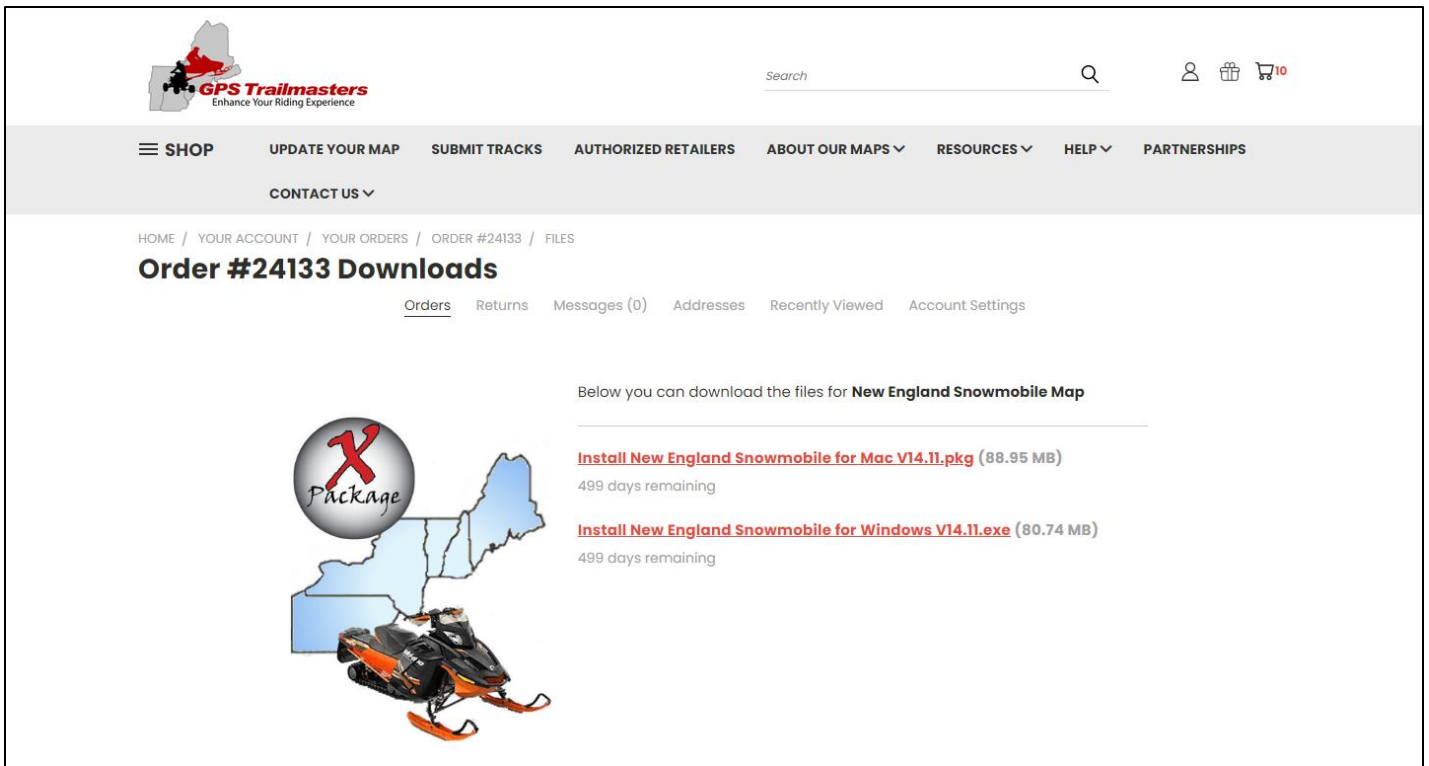
Click either the Mac or Windows installer depending on your machine to initiate the download. The downloaded installer file should be opened/run from your internet browser or "Downloads" folder. The installer copies the map files and X Package data to your computer. Mac users skip to the Installer for Mac OS X section. See below for download errors and warnings.

IMPORTANT: Make sure no other programs are running like Garmin BaseCamp or MapInstall. Make sure the X Package Users Guide is closed as well as any other files that are included with the X Package. This is important when the ATV and Snowmobile map installers are run back-to-back.

Running the Map Installer for Microsoft Windows

When the Windows map installer is run, a Setup screen appears. The Setup screen lists the actions taken by the installer and why it is important to run the installer even if you purchased your map on the microSD card.

Click **Next** to continue with the setup. Read and accept the License Agreement and then click **Next** again. The "Installing" screen will be displayed quickly followed by the Completing Setup screen.
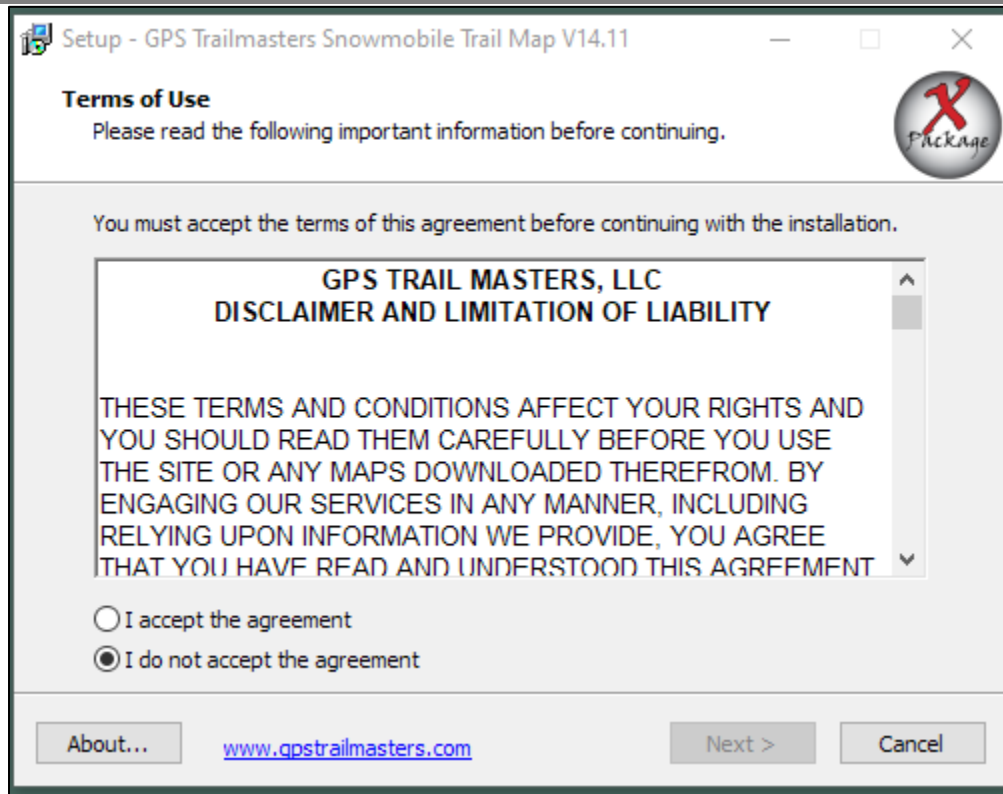
The files will be saved within your computer in the proper location for Garmin BaseCamp and MapInstall to locate them for transferring to a Garmin GPS. A shortcut to the X Package Files is placed on your Windows desktop.

Running the Map Installer for Mac OS X

When the Mac map installer is run, the "Introduction" screen is displayed with a welcome message.

Click **Continue** to proceed with the installation. When the "License" screen is displayed, click **Continue**. Read and accept the License Agreement and then click **Agree**, then click **Continue**.

If the "*Destination Select*" screen is displayed asking "*How do you want to install this software*?", click the blue highlighted **Install for me only** area. If this is already highlighted, click it anyway to avoid errors.

Click **Continue**.

On the "Installation Type" screen click **Install**.

The files will be installed to your computer and the "Summary" screen is displayed indicating the software was installed successfully.

Click **Close**.

The installer will create a "GPS Trailmasters" folder in your home user folder containing the X Package map files.

Step 2a - Transfer the Map to Your GPS

The map installer copies the map files to your computer. The next step is to transfer the map from your computer to the GPS. The free Garmin mapping programs are used for this step. Mac users skip to the using MapInstall for Mac OS X section.

Transfer Map to GPS Using BaseCamp for Windows

Garmin BaseCamp is Garmin's free map management program used to transfer maps from your computer to your GPS. It is also used to plan routes on your computer and manage you tracks, waypoints, routes, etc. If BaseCamp is not already installed on your computer, download and install Garmin BaseCamp for Windows from the Garmin website.

Connect your Garmin GPS device to your computer using a USB cable. Open Garmin BaseCamp. Verify your GPS Trailmasters' trail map was successfully installed on your computer by clicking **Maps** from the main menu. Each map with the version should be listed under the Maps menu. If you do not see your GPS Trailmasters map listed, close and restart BaseCamp.

Select a map from the Maps menu to see the map. Your GPS Trailmasters map has two map layers; the Background Map with cities, major and secondary highways, lakes, rivers, railroads, etc. used as a reference. The second layer is the Trail Map which consists only of trails. When the Trail Map layer is installed to your GPS, the underlying base map (e.g., street map or topo map) is visible beneath the trails. The Background Map is provided as a reference for route planning in Garmin BaseCamp but can also be installed on your GPS.

Click the **Maps** -> **Install Maps** menu to launch MapInstall.

NOTE: For newer GPS models that include a microSD card "chip", the SD Card will be added to the Garmin device name as in Figure 1. If an SD card is installed in your GPS, the map installation will default to your SD card. The older devices allow you to select either the GPS internal memory or the SD card as the map install location.
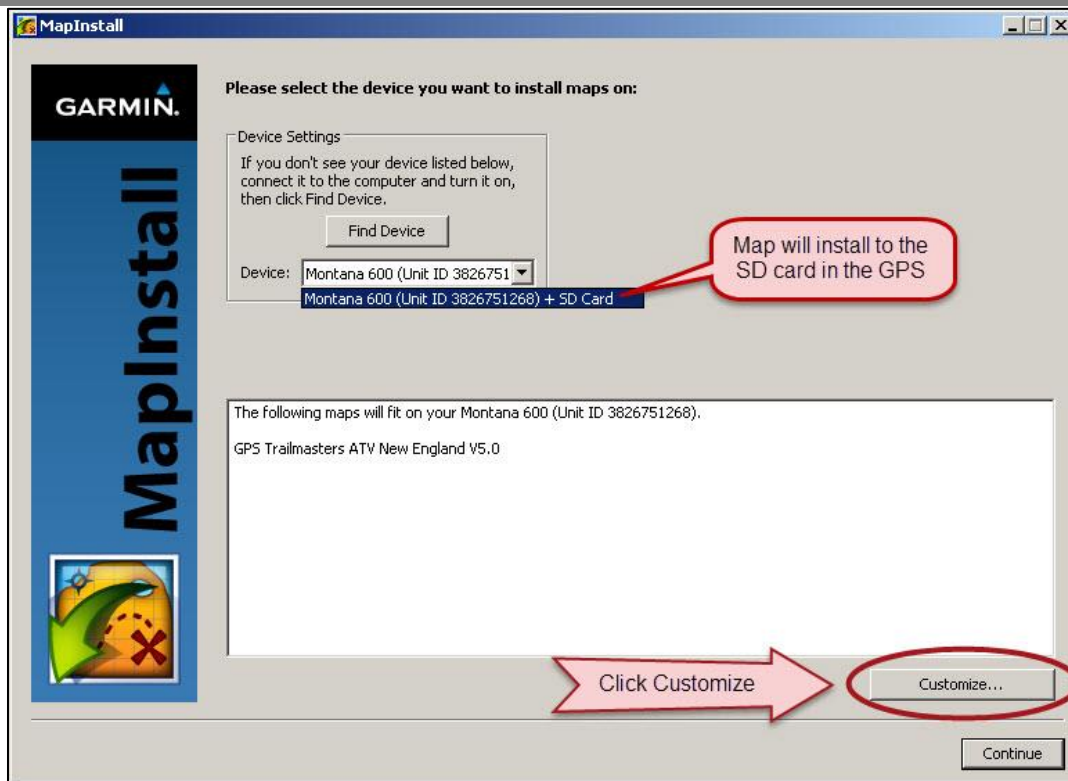
Figure 1 – MapInstall Introductory Screen

The *Customize* feature of MapInstall is used to install the transparent trail overlay without the background map (roads, lakes, rivers, railroads, etc.) visible in Garmin BaseCamp.

The MapInstall screens have slightly different behavior depending on your GPS model. For newer models such as the Montana, Oregon, Dakota and Nuvi series, the initial screen, shown in Figure 1, has a "Customize" button. For older models such as the Nuvi 500, the initial screen only has a "Continue" button, which takes you directly to the Advanced/Partial Install screen shown in Figure 3.

Click the **Customize…** button. The map customization screen shown in Figure 2 will be displayed.

NOTE: If you click the **Continue** button from this screen, you will bypass the customization screens and by default install both the Background Map and the Trail Map to your GPS for every map you have installed (relevant if you have ATV and snowmobile, or if you have multiple states). For more information see When Should I Install the Background Map section.

The examples used in this guide include both a GPS Trailmasters snowmobile map and an ATV map. The actual screens you see on your computer may be slightly different if you only have one GPS Trailmasters map or if you have other third-party maps such as a topo map.
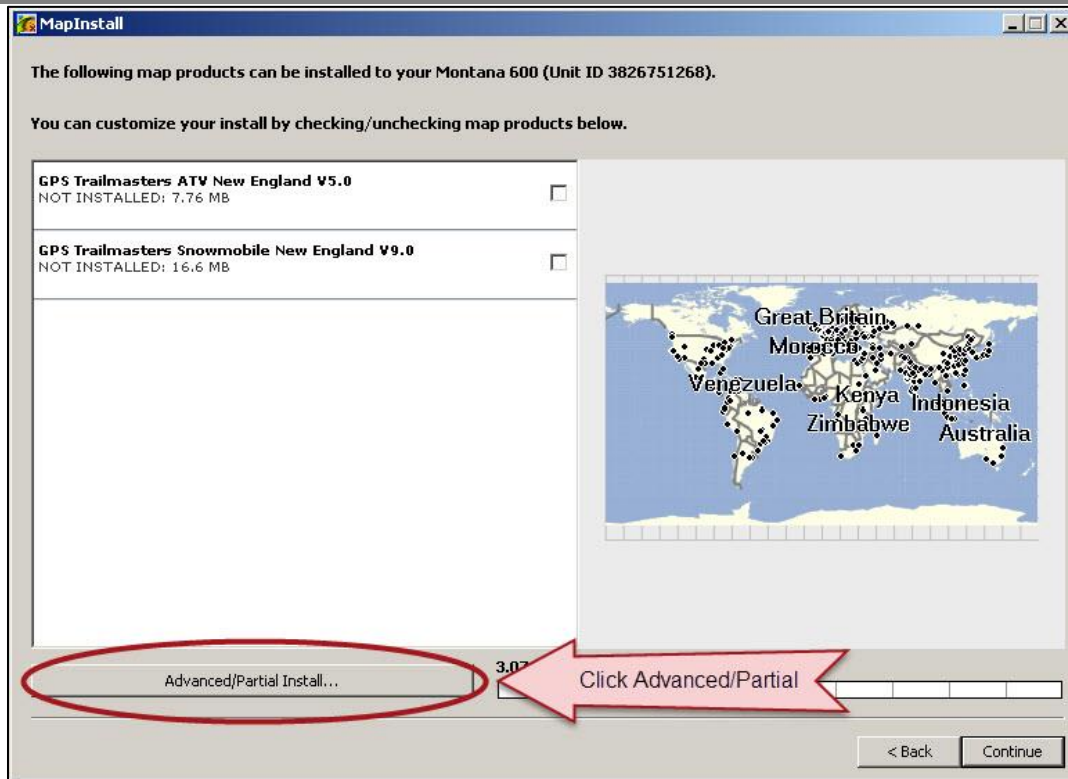
Figure 2 – MapInstall Customization Screen

Click the **Advanced/Partial Install…** button. You will be taken to the advanced map installation screen shown in Figure 3. This screen has five key sections:

1. The map selection area
2. The zoom/scroll controls for the map selection area
3. The total number maps selected with memory allocations
4. The map selection pull-down with list of all available maps.
5. The name of map currently highlighted with yellow border.

Use the Pan and Zoom controls [2] to center and zoom the map selection area [1] so the entire map is displayed including the text "Trail Map" on the right and "Background Map" at the bottom.

Position your mouse over the text "Trail Map" [1], the trail map area will become highlighted with a yellow border and the word "*Trailmap*" will be flashed [5] off the screen.
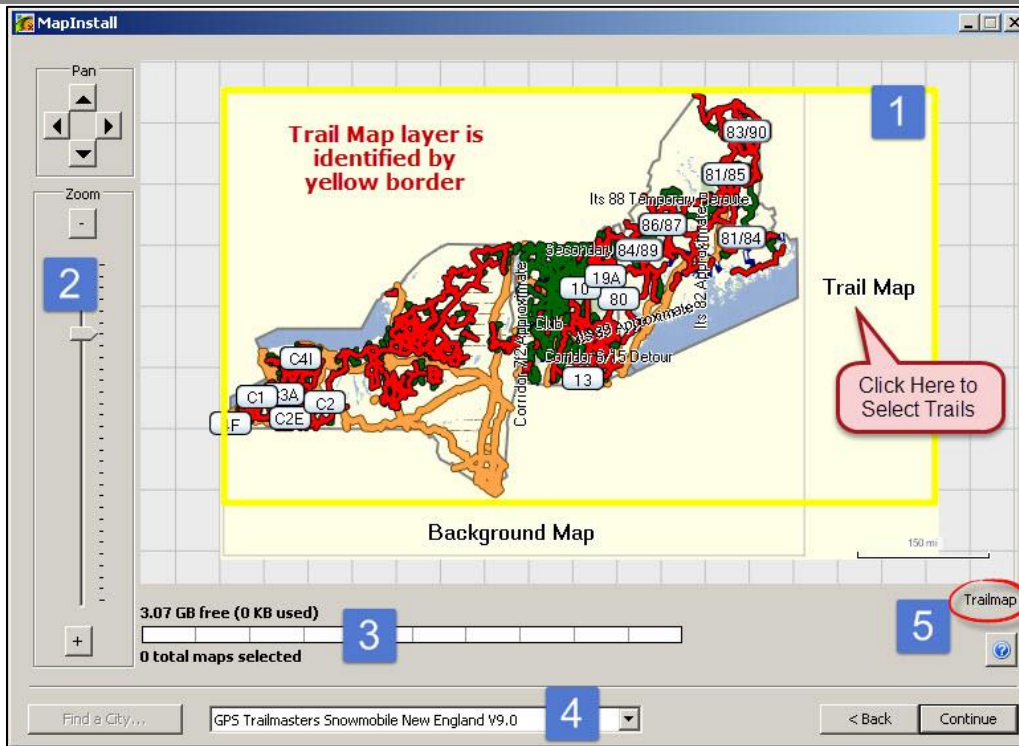
Figure 3 – Advanced/Partial Install Screen Layout

Click the text **Trail Map** [1]. The Trail Map will show shaded as shown in Figure 4 with the total number of selected maps [3] indicating "*1 total maps selected*". Click **Continue**.
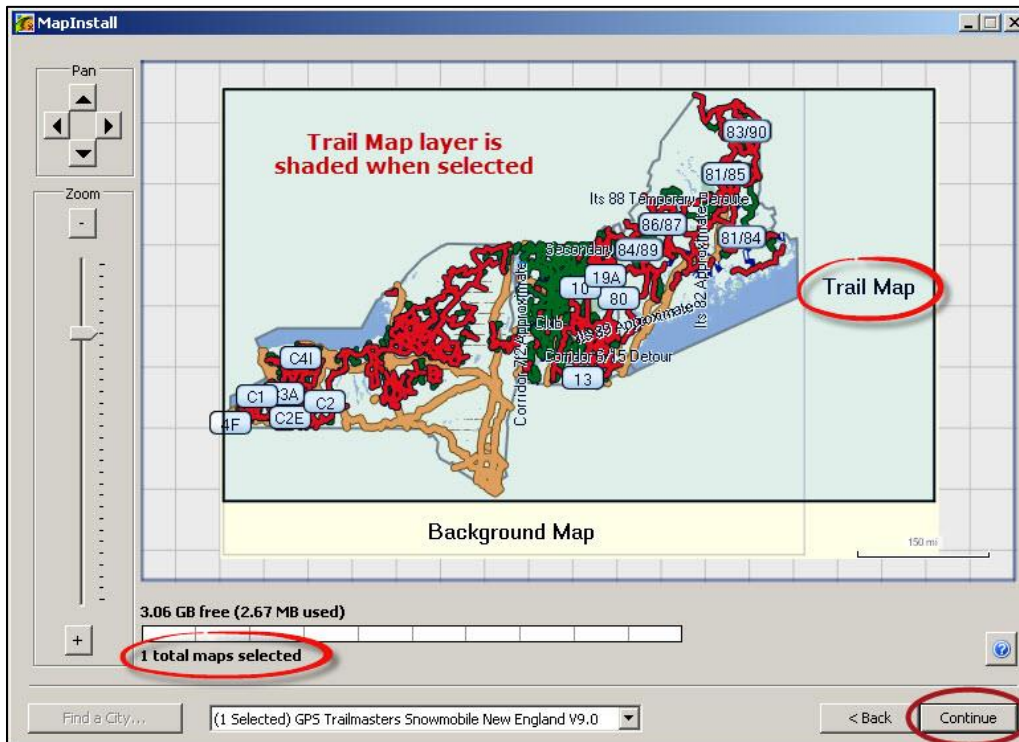

Figure 4 – Advanced/Partial Install Trail Map Selection

NOTE: If the Background Map layer is also selected (it will show as shaded) or you clicked the wrong area by mistake, right-click the text "Background Map" to unselect it.

A confirmation screen will be displayed indicating "*Map regions from these products will be installed on your device. This could take hours. Are you sure*?" The install will only take seconds. Click **Install**. After the installation completes click **Finish**.

Disconnect the GPS from your computer and Verify the map was installed on your GPS.

Before using the GPS for turn-by-turn directions, configure the GPS for auto-routing.

Transfer Multiple Maps To Your GPS Device

If you have multiple maps such as an ATV and a snowmobile map, they can both be transferred to your GPS at once (see Note below). Each map installed on your computer will be listed in the map selection pulldown [4]. Begin by selecting the Trail Map layer for the first map then select the next map in the pulldown and repeat the Trail Map selection described above. As each map in the pulldown is selected, the text "*(1 Selected)*" [4] is added to the beginning of the map name and the total map selected [3] is incremented each time.

Once you have all maps selected for installation, click **Continue**. A confirmation screen will be displayed indicating "*Map regions from these products will be installed on your device. This could take hours. Are you sure*?" The install will only take seconds. Click **Install**. After the installation completes click **Finish**.

NOTE: Some older model GPS units such as the Nuvi 500/550 do not support "Custom Map Names". This means that Garmin BaseCamp combines multiple maps on your computer into a single map name (gmapsupp.img) that gets transferred to the GPS. This is OK for combining Pennsylvania with New England for example but not OK for combining a Maine ATV map with a Maine snowmobile map because both the ATV trails and snowmobile trails will become mixed in one map.
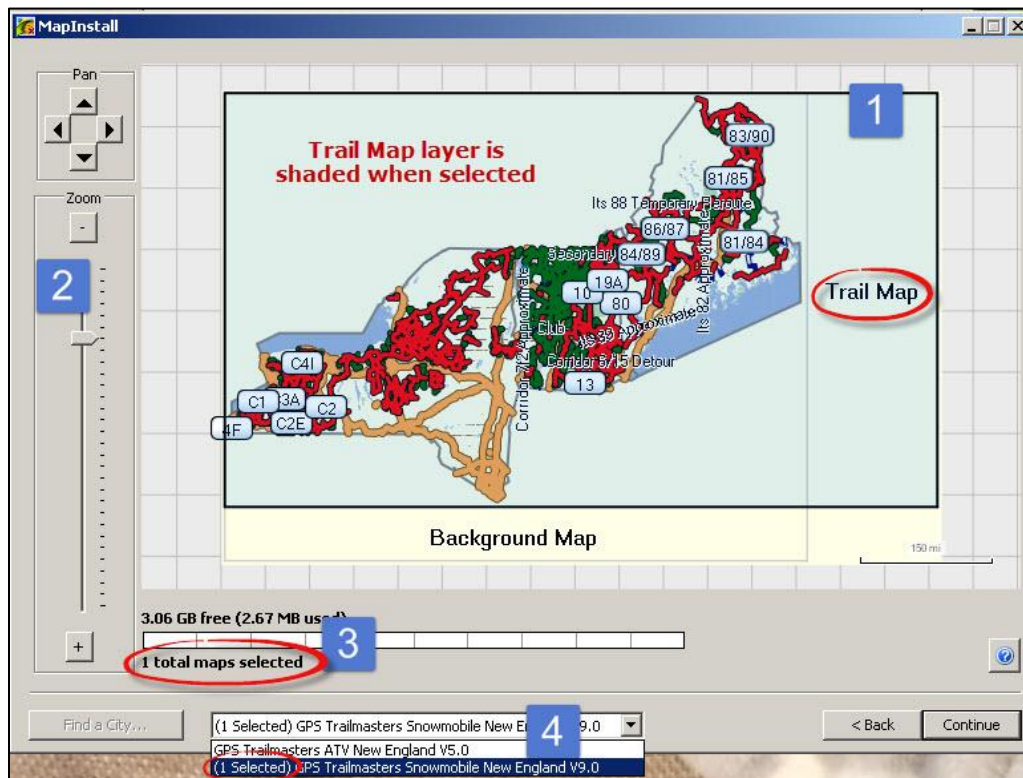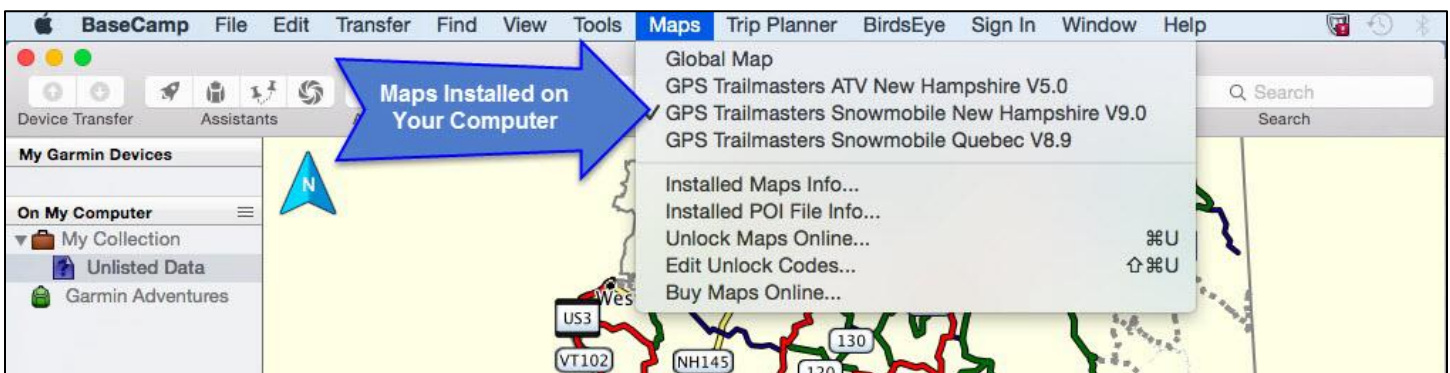

Figure 5 – Advanced/Partial Install Map Pulldown

Transfer Map to GPS Using MapInstall for Mac OS X

Garmin BaseCamp is Garmin's free map management program used to plan routes on your computer and manage you tracks, waypoints, routes, etc. If BaseCamp is not already installed on your computer, download and install Garmin BaseCamp for Mac.

Open Garmin BaseCamp. Verify your GPS Trailmasters trail map was successfully installed on your computer by clicking **Maps** from the main menu. Each map with the version should be listed under the Maps menu. If you do not see your GPS Trailmasters map listed, close and restart BaseCamp.

Select a map from the Maps menu to see the map. Your GPS Trailmasters map has two map layers; the Background Map with cities, major and secondary highways, lakes, rivers, railroads, etc. used as a reference. The second layer is the Trail Map which consists only of trails. When the Trail Map layer is installed to your GPS, the underlying base map (e.g., street map or topo map) is visible beneath the trails. The Background Map is provided as a reference for route planning in Garmin BaseCamp but can also be installed on your GPS.

Garmin MapInstall is required to load the trail map to your Garmin GPS device or microSD card. If not already installed on your computer, download and Install Garmin MapInstall for Mac. Garmin MapInstall is a separate application from BaseCamp on the Mac. While BaseCamp can be used to view your trail map on your computer and plan your trips, MapInstall is the tool to install maps to your Garmin.

Connect your Garmin GPS device to your computer using a USB cable. Open the Garmin MapInstall application on your computer.

NOTE: For newer GPS models that include a microSD card "chip", the SD Card will be added to the Garmin name as in Figure 6. If an SD card is installed in your GPS, the map installation will default to your SD card. The older devices allow you to select either the GPS internal memory or the SD card as the map install location.
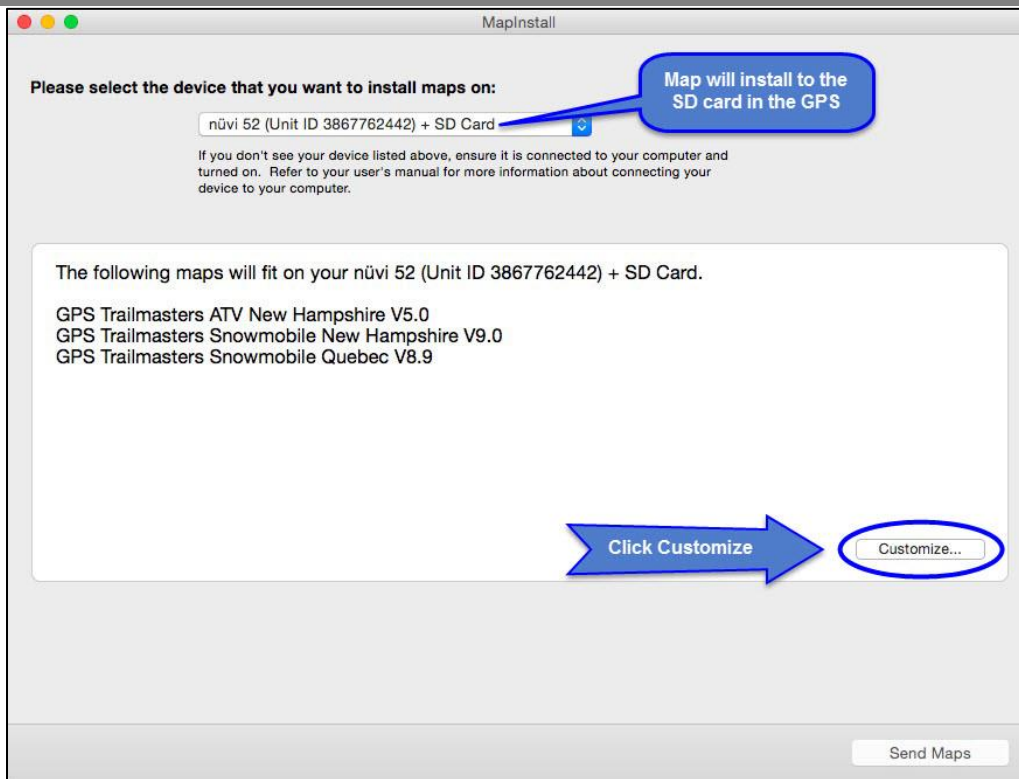
Figure 6 – MapInstall for Mac OS X

The *Customize* feature of MapInstall is used to install the transparent trail overlay without the background map (roads, lakes, rivers, railroads, etc.) visible in Garmin BaseCamp.

The MapInstall screens have slightly different behavior depending on your GPS model. For newer models such as the Montana, Oregon, Dakota and Nuvi series, the initial screen, shown in Figure 6, has a "Customize" button. For older models such as the Nuvi 500, the initial screen only has a "Continue" button, which takes you directly to the Advanced/Partial Install screen shown in Figure 8.

Click the **Customize…** button. The map customization screen shown in Figure 7 will be displayed.

NOTE: If you click the **Send Maps** button from this screen, you will bypass the customization screens and by default install both the Background Map and the Trail Map to your GPS for every map you have installed (relevant if you have ATV and snowmobile, or if you have multiple states).. For more information see the "When Should I Install the Background Map?" section.

The examples used in this guide include both a GPS Trailmasters snowmobile map and an ATV map. The actual screens you see on your computer may be slightly different if you only have one GPS Trailmasters map or if you have other third-party maps such as a topo map.
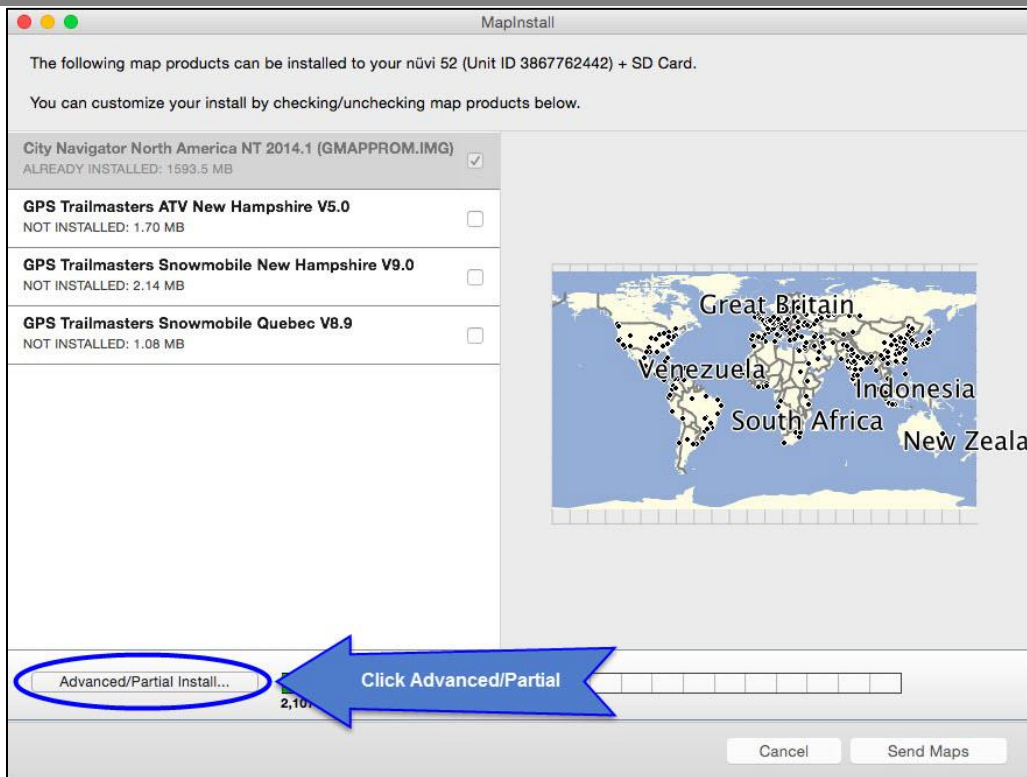
Figure 7 – MapInstall Customization Screen

Click the **Advanced/Partial Install…** button. You will be taken to the advanced map installation screen shown in Figure 8. This screen has four key sections:

1. The map selection area
2. The zoom/scroll controls for the map selection area
3. The total number maps selected with memory allocations
4. The map selection pull-down with list of all available maps.

Use the Pan and Zoom controls [2] to center and zoom the map selection area [1] so the entire map is displayed including the text "Trail Map" on the right and "Background Map" at the bottom.

Position your mouse over the text "Trail Map" [1], the trail map area will become highlighted with a yellow border and light-blue shading.
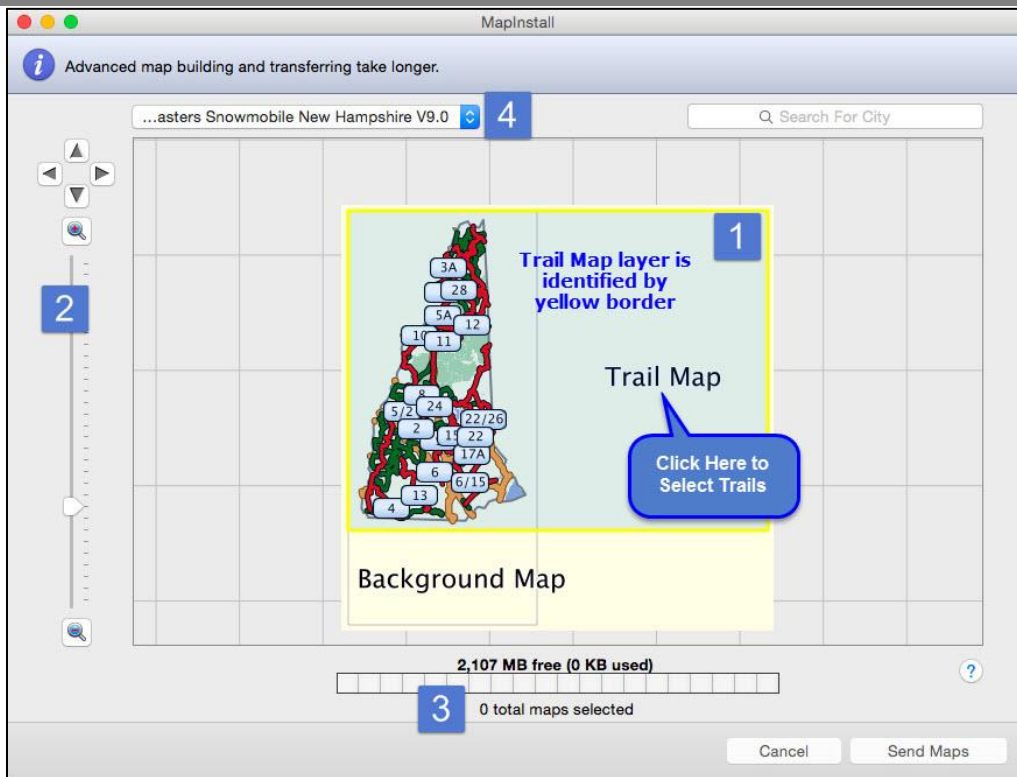
Figure 8 – Advanced/Partial Install Screen Layout

Click the text **Trail Map** [1]. The Trail Map will show shaded as shown in Figure 9Figure 13 with the total number of selected maps [3] indicating "*1 total maps selected*". Click **Send Maps**.
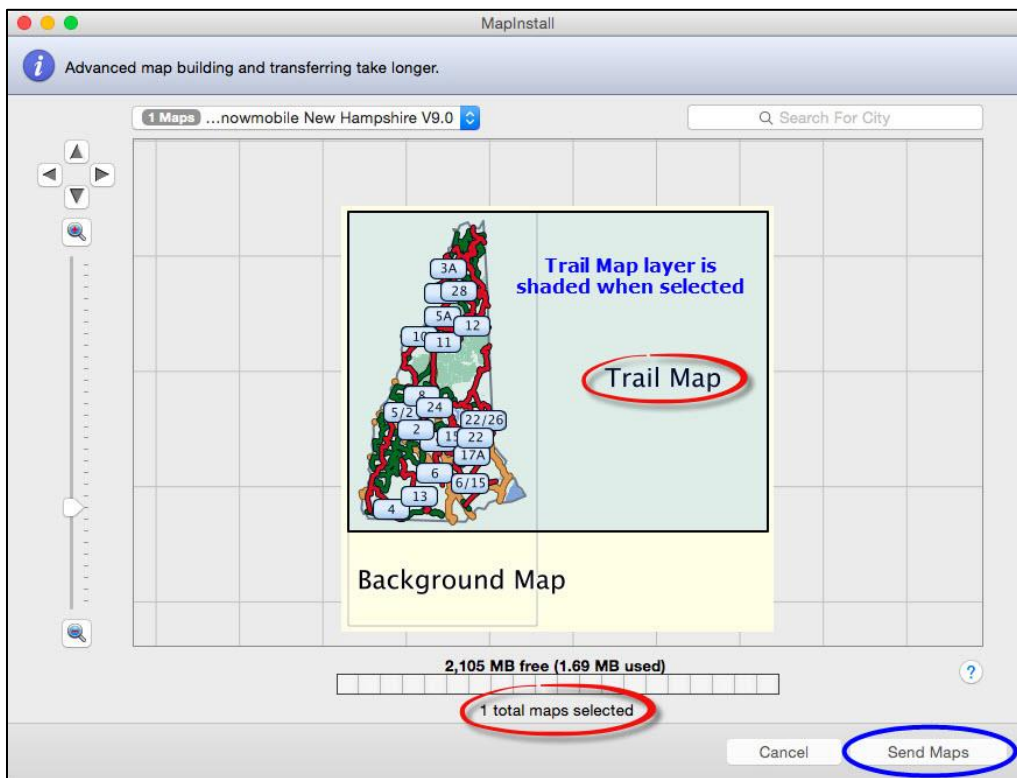

Figure 9 – Advanced/Partial Install Trail Map Selection

NOTE: If the Background Map layer is also selected (it will show as shaded) or you clicked the wrong area by mistake, click the text "Background Map" to unselect it.

A confirmation screen will be displayed indicating the "*This will install maps to your device. It could take hours. Are you Sure*?" The install will only take seconds. Click **Confirm**. After the installation completes click **Done**.

Disconnect the GPS from your computer and Verify the map was installed on your GPS.

Before using the GPS for turn-by-turn directions, configure the GPS for auto-routing.

Transfer Multiple Maps To Your GPS Device

If you have multiple maps such as an ATV and a snowmobile map, they can both be transferred to your GPS at once (see Note below). Each map installed on your computer will be listed in the map selection pulldown [4]. Begin by selecting the Trail Map layer for the first map then select the next map in the pulldown and repeat the Trail Map selection described above. As each map in the pulldown is selected, the text "*(1 Selected)*" [4] is added to the beginning of the map name and the total map selected [3] is incremented each time.

Once you have all maps selected for installation, click **Send Maps**. A somewhat confusing confirmation screen will be displayed indicating "*Map regions from these products will be installed on your device. This could take hours. Are you sure*?" The install will only take seconds. Click **Confirm**. After the installation completes click **Done**.

NOTE: Some older model GPS units such as the Nuvi 500/550 do not support "Custom Map Names". This means that Garmin BaseCamp combines multiple maps on your computer into a single map name (gmapsupp.img) that gets transferred to the GPS. This is OK for combining Pennsylvania with New England for example but not OK for combining a Maine ATV map with a Maine snowmobile map because both the ATV trails and snowmobile trails will become mixed in one map.
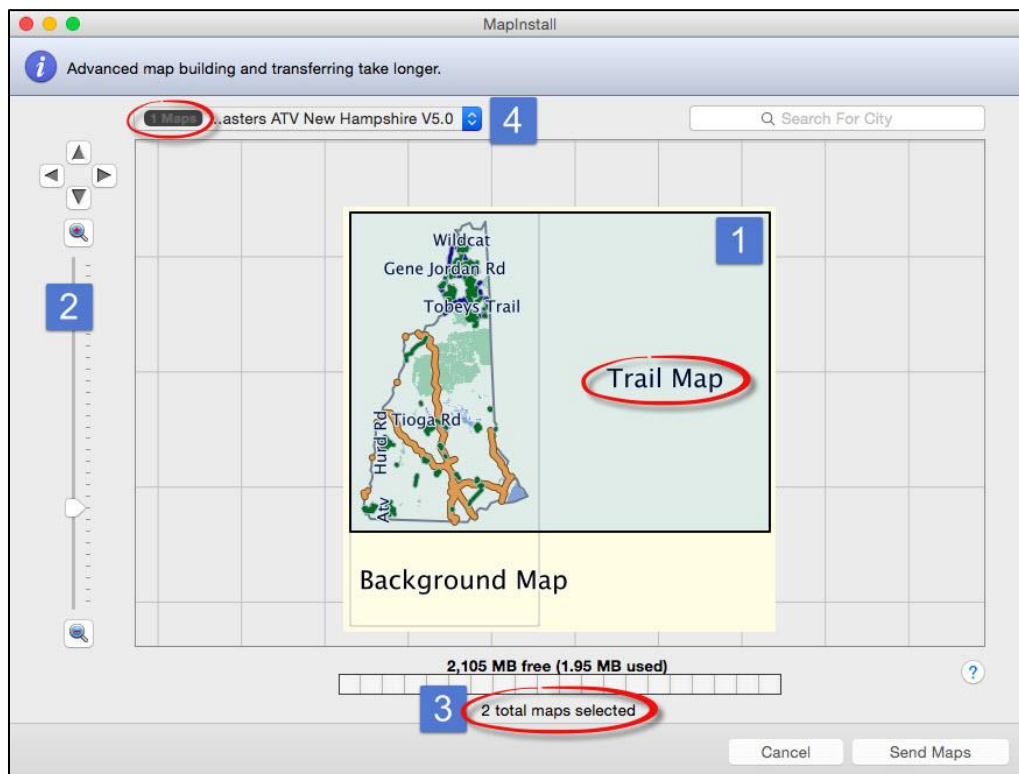

Figure 10 – Advanced/Partial Install Map Pulldown

When Should I Install the Background Map?

The Background Map can be used if you normally disable your Garmin provided base map to avoid routing problems but still prefer to have some background information for reference. The Background Map is not a routable map and will not interfere with the routing calculations for the Trail Map.

When installed, the Background Map will display over your Garmin factory street map or topographic map. You can only have one base map showing at a time. The Background Map consumes much more memory than just the Trail Map layer as indicated on the memory allocation scale [3].

Many GPS models will show the Background Map as a separate map listing in the GPS Map Info menu which means it can be enabled/disabled independently from the Trail Map. Although some GPS models list the Background Map as a separate map it has the exact same name as the Trail Map and therefore it is trial and error to determine which is which.
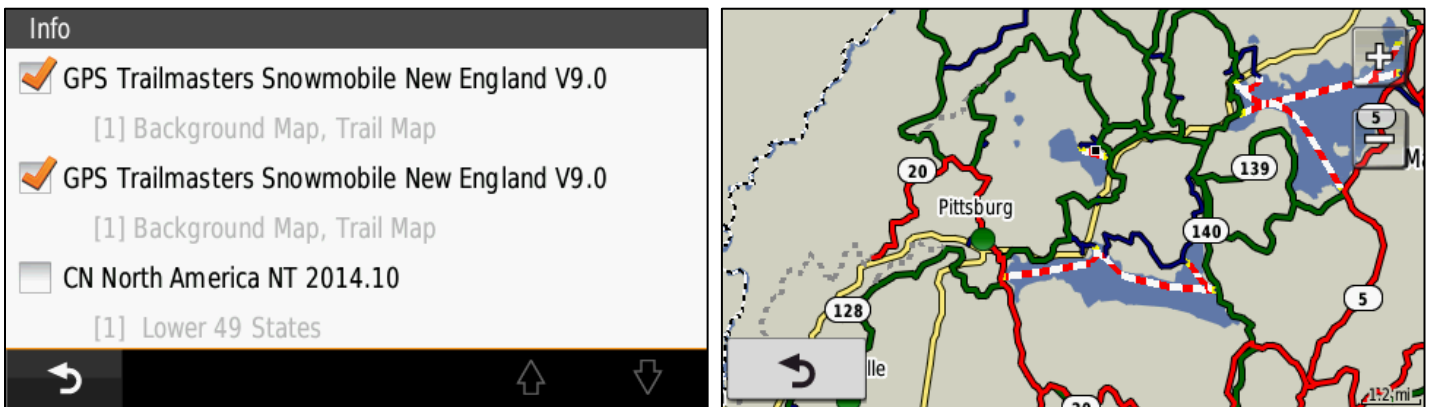
For those GPS models such as the Montana 600 that combine the Background Map and Trail Map into one listing on the GPS Map Info menu, you cannot disable the Background Map in the field; the entire map must be reinstalled without the Background Map layer if you decide you don't want to use it.

If you've installed both our ATV and snowmobile Background Maps and Trail Maps, your device may display **four** identical listings, where all four list items will say "Background Map, Trail Map". The top two will be paired and the bottom two will be paired. One pair makes up the ATV map set, and one pair makes up the snowmobile map set. The way to determine which pair is which is (unfortunately) trial and error. Turn off all maps except either the top or bottom pair. When you view the map and zoom out, the ATV trails will be mainly green with some blue and yellow, and snowmobile trails will be mainly red with some green and blue. Once you determine which is which, they won't switch from top or bottom.

Selecting the Background Map Using Microsoft Windows

To install the background map, click the mouse on the text that reads "Background Map" to select the background map layer.
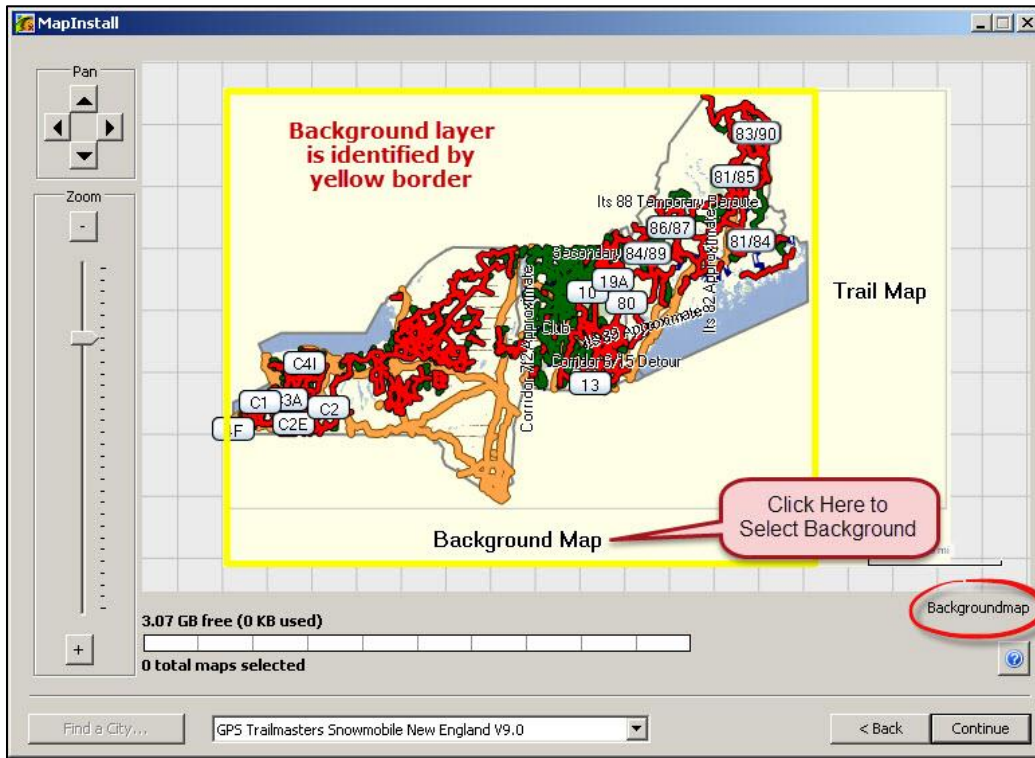

Figure 11 – Background Map Layer

The Trail Map layer should always be selected regardless of whether the background map is being installed. When both map layers are selected, the Total Map Selected indicator [3] will read "*2 total maps selected*". Click the **Continue** button.
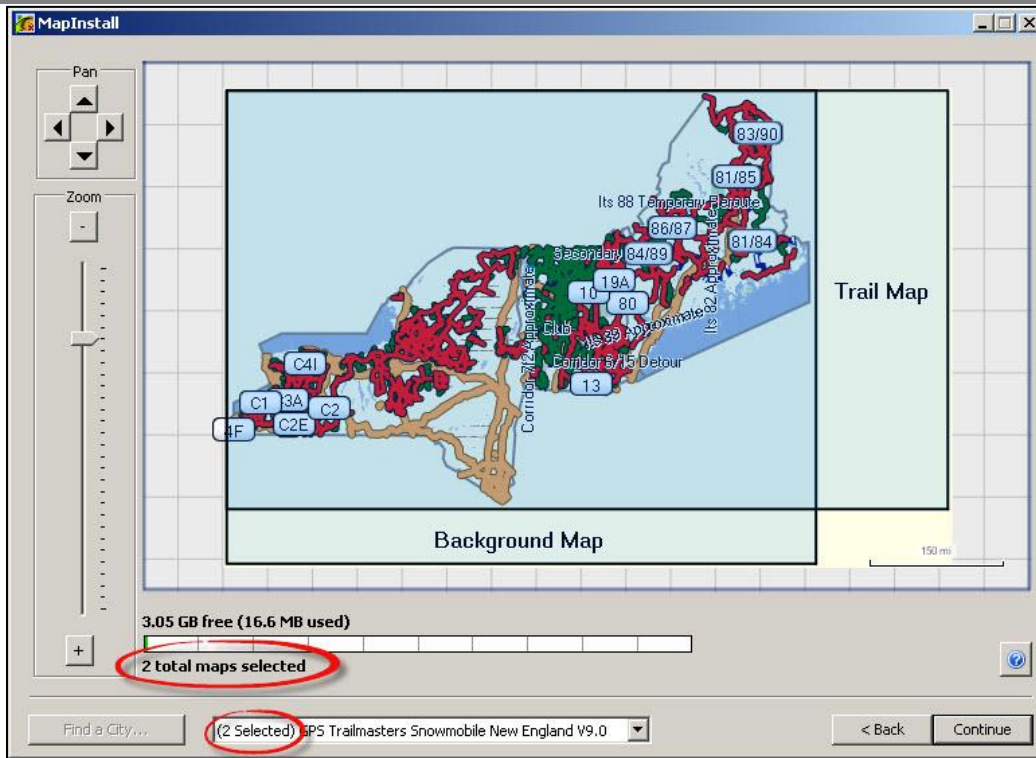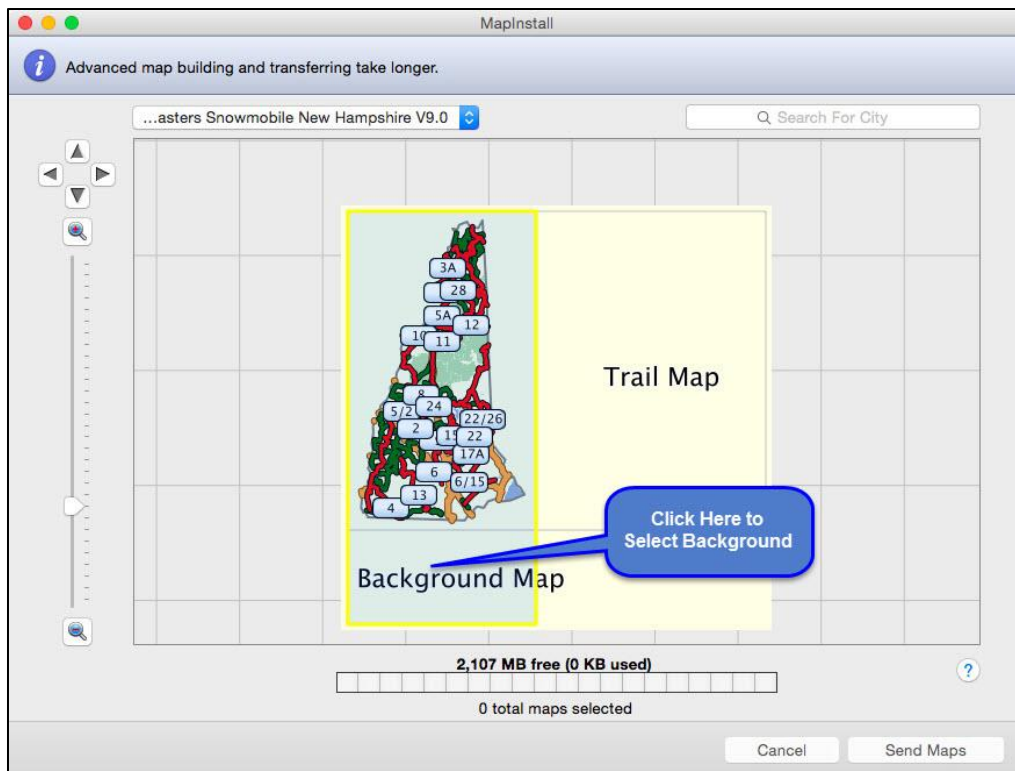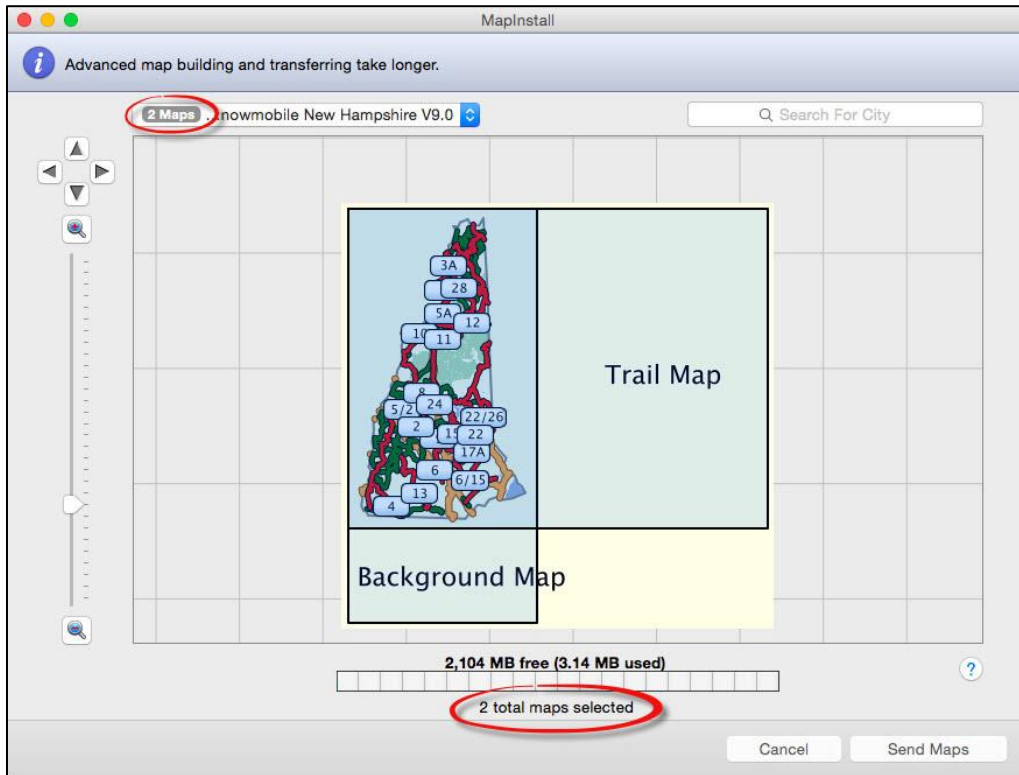
Figure 12 – Background Map and Trail Map Selected

Selecting the Background Map Using Mac OS X

To install the background map, click the mouse on the text that reads "Background Map" to select the background map layer.

Figure 13 – Background Map Layer

The Trail Map layer should always be selected regardless of whether the background map is being installed. When both map layers are selected, the Total Map Selected indicator [3] will read "*2 total maps selected*". Click the **Send Maps** button.

Figure 14 – Background Map and Trail Map Selected

A confirmation screen will be displayed indicating the "*This will install maps to your device. It could take hours. Are you Sure*?" The install will only take about 10 seconds.

Step 2b – Transfer the Map Data to your Phone/Tablet

This section will describe the additional map data formats compatible with certain smart phone and tablet GPS apps.

The Windows installer in Step 1 copies the X Package map files to folders on your Windows PC. An "X Package Files" shortcut to these files is placed on your Windows desktop.
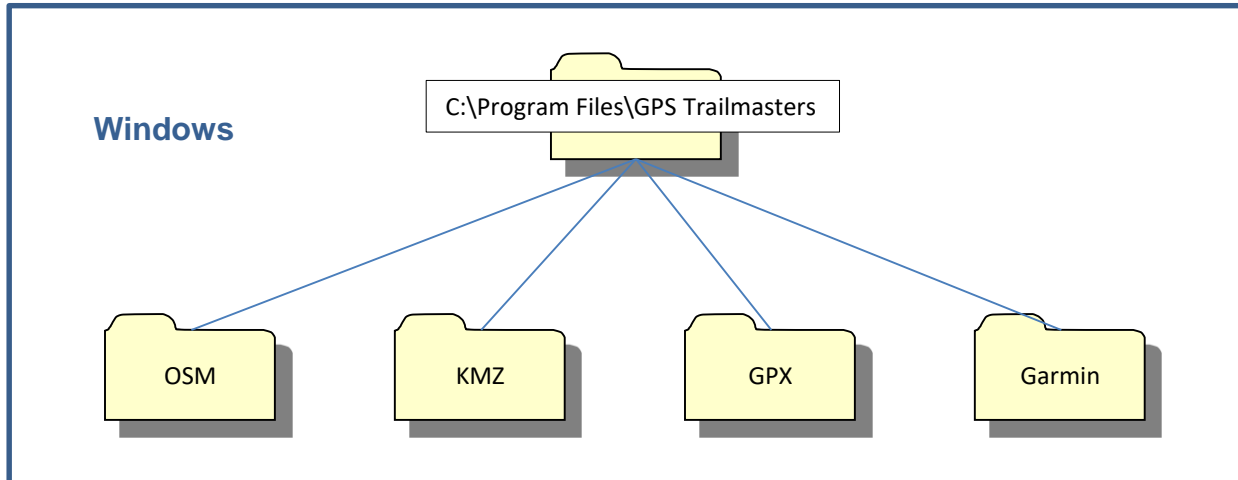
The Mac installer in Step 1 copies the X Package map files to your User home folder, "Joe" is used as an example in the illustration below.
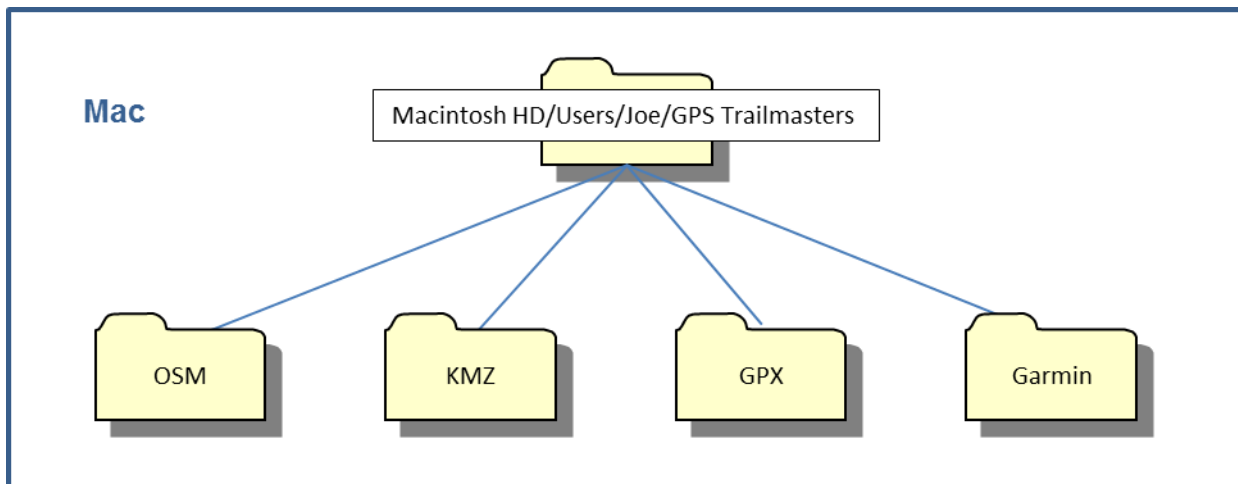
The X Package includes data formats that can be imported for display on an Android or iOS mobile device. You must select and download the GPS app that provides the base map and the GPS features that you desire. Not all apps are able to display the map data overlaid on a base map. Not all apps are able to display our popular color scheme and map point icons. Most mobile apps will not auto-route with turn-by-turn directions along the trails, but all the ones recommended here will show your position on the trail as you ride. We have identified a couple apps here but there are hundreds of apps in the Google and iTunes stores.
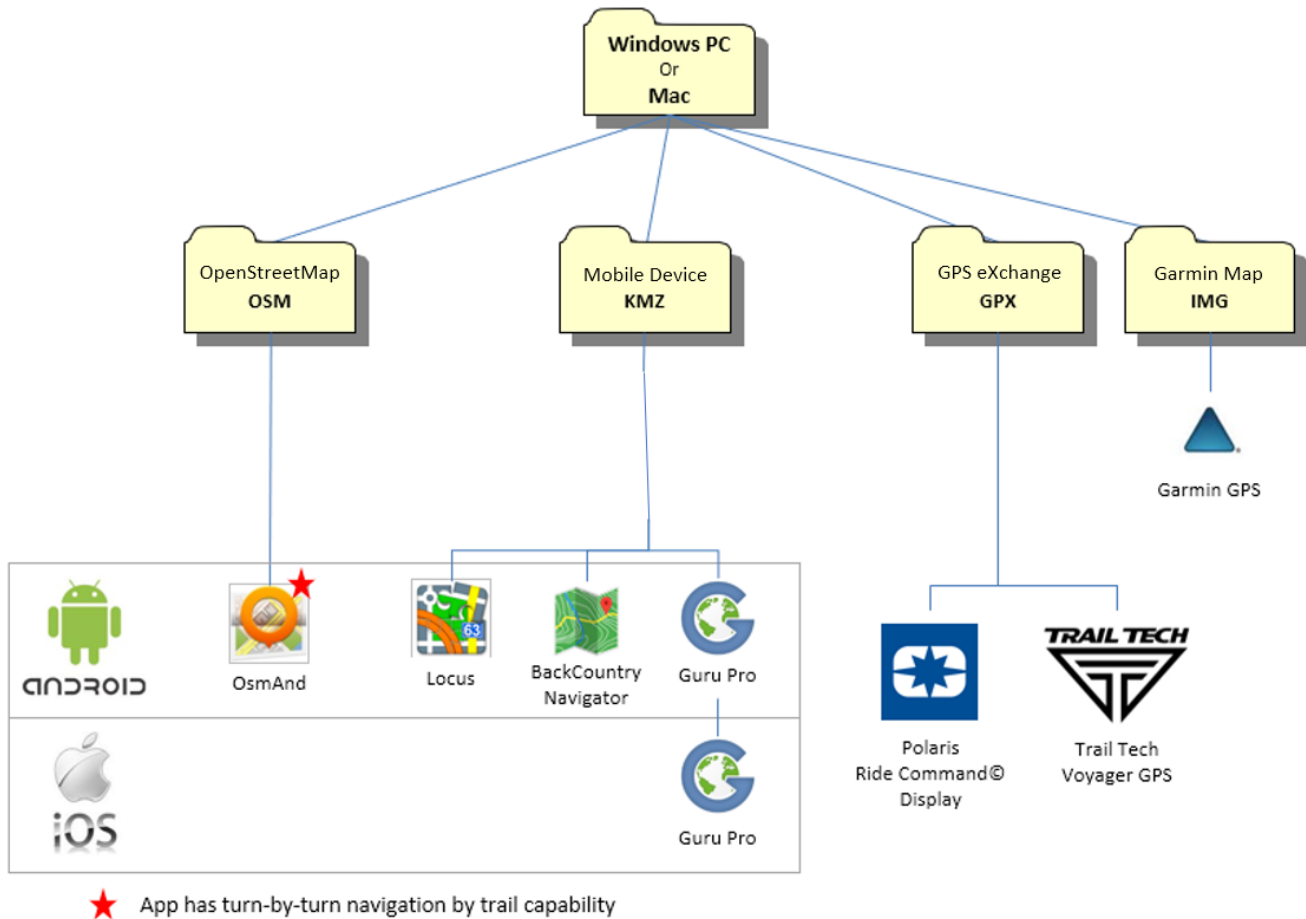
Please note we do not provide technical support for any of these apps, we simply provide the map data. You will have to consult the manuals and help information provided by the app developer for such things as how to download base maps for offline use, how to operate the GPS features of the app, how to record and save tracks, etc.

We provide some basic installation instructions for the mobile apps identified above. There are hundreds of GPS apps on the market and the list grows day by day. When shopping for an app, look for those that support "offline" map storage and importing your own data.

Google Earth Desktop

Google Earth is a free mapping application available for your desktop and mobile devices. It can be installed to both Windows and Mac desktop computers as well as Android and iOS devices. The Keyhole Markup Language (KML) file notation was developed for use with Google Earth. KMZ files are the zipped (compressed) form of KML. Our trail maps in KMZ file format can be viewed in Google

Earth for trip planning and 3D visualization. Learn more about importing trail data into Google Earth and how to georeferenced the NERFC snow depth map on our website for a layered view of Earth, snowmobile trails and snow depth.

Android Apps

The installation instructions below assume basic user familiarity with Android devices and Android apps. You must be familiar with downloading apps (FREE and Paid) from the Google Play store. You must understand the basic file structure of your Android device and know how to transfer files between your PC and the device.

OsmAnd for Android

OsmAnd (OSM Automated Navigation Directions) is a map and navigation application with access to free high-quality OpenStreetMap (OSM) data. All map data can be stored on your device's memory card for offline use. OsmAnd offers routing, with visual and voice turn-by-turn directions, for car, ATV, and snowmobile. All the main functionalities work both online and offline (no internet or cellular connection needed).

Download the free OsmAnd App from the Google Play store to your Android phone or tablet.

You will need to transfer two files from your computer to your Android device; the trail map (.obf) file and the rendering (.xml) file which determines the trail line colors and styles. The OsmAnd map and rendering files can be found using the *X Package Files* shortcut on your Windows desktop or your Windows Start menu. On the Mac, these files are located in your User home folder.

Launch the OsmAnd App on your Android device. Determine the app data storage location:

> At the introductory screen press the 3-bar menu.
>
> Press the *Settings* menu.
>
> Press the *General settings* menu.
>
> Scroll to the **Miscellaneous** section and find *Data storage folder*. This is where the. obf map file and .xml rendering file needs to be copied.
>
> (e.g., /storage/emulated/0/Android/data/net.osmand/files).

Transfer the two files from your computer to the Android device using a USB cable or cloud storage such as Google Drive or Dropbox and a file manager app such as File Commander. **Note**: The file manager app may not show the "/storage/emulated/0" if setup to hide system files.

Copy the **.obf** file from your PC to the "/Android/data/net.osmand/files" folder. This is the offline vector trail map.

Copy the **.render.xml** file to the "/Android/data/net.osmand/files/rendering" folder. This is the map style file that defines the line colors and line thickness for the trails.
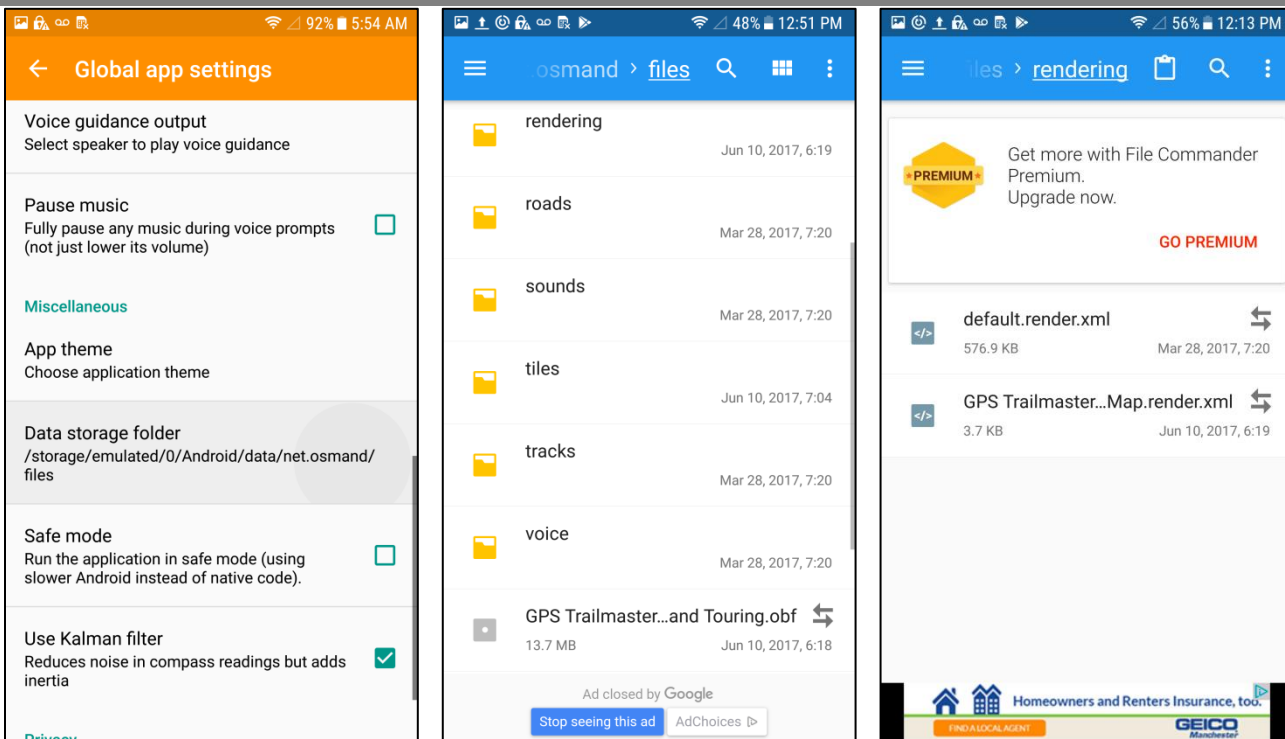
Launch the OsmAnd App on your Android device.

>   At the introductory screen press the 3-bar menu.

>   Press the **Download maps** menu.

>   Select the **LOCAL** tab.

>   Verify the GPS Trailmasters trail map is listed under the Standard maps (vector) section.

>   Deactivate any other vector maps listed in this section.

Configure the map layers.

>   At the introductory screen press the 3-bar menu.
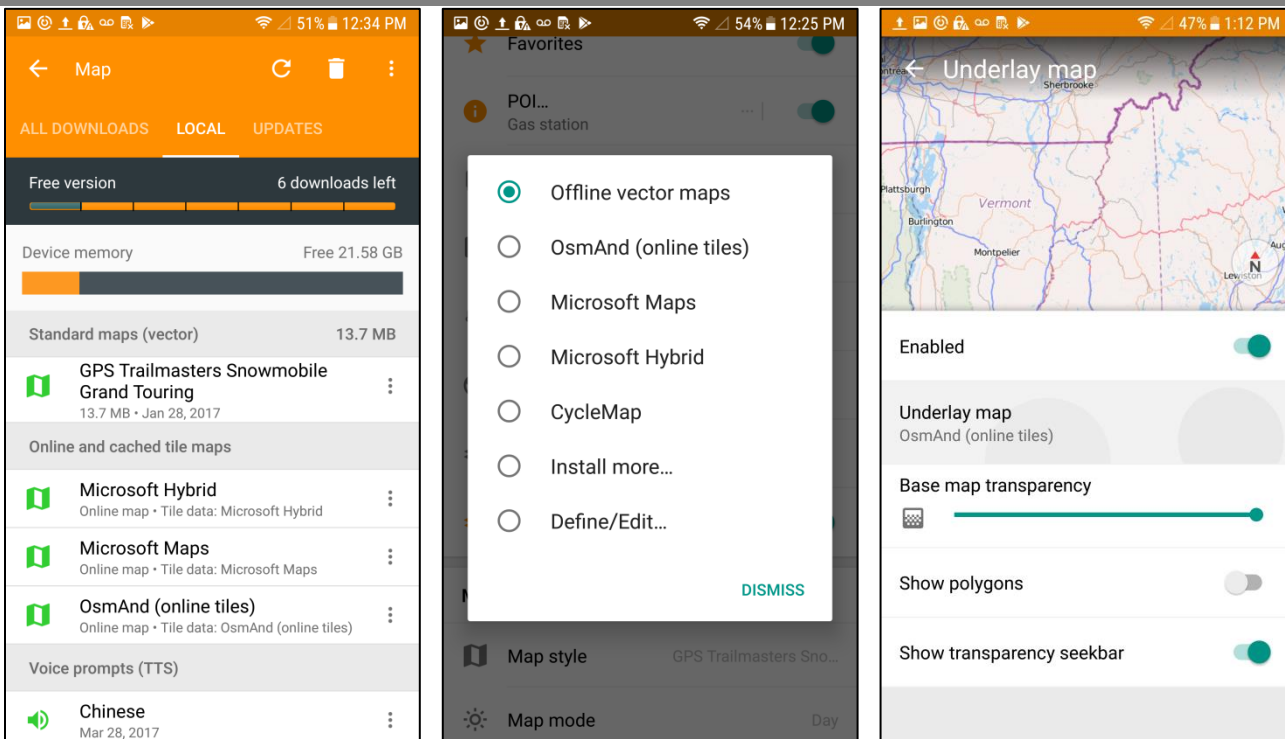
>   Press the **Configure map** menu.

>   Press the **Map source** menu.

>   Select "Offline vector maps".

>   Press the **Underlay map…** menu.

>   Select the base map of your choice.

>   Set Base map transparency to 100%.

Note: There is a display limitation for the trail map and it is not displayed when zoomed out to 50 miles, therefore your trail map layer will not be displayed at high zoom levels.

Select the render file to display proper trail color and line style.

At the introductory screen press the 3-bar menu.

Press the ***Configure map*** menu.

Press the ***Map style*** menu in the Map rendering section.

Select the "GPS Trailmasters Snowmobile (or ATV) Map".

Configure the Plugins

At the introductory screen press the 3-bar menu.

Press the ***Plugins*** menu.

Enable the ***Online maps*** and ***Trip recording*** plugins.

Activate Point of Interest display for gas, food, lodging, etc.

At the introductory screen press the 3-bar menu.

Press the ***Configure map*** menu.

Press the ***POI*** menu.

Select the Points of Interest to display.
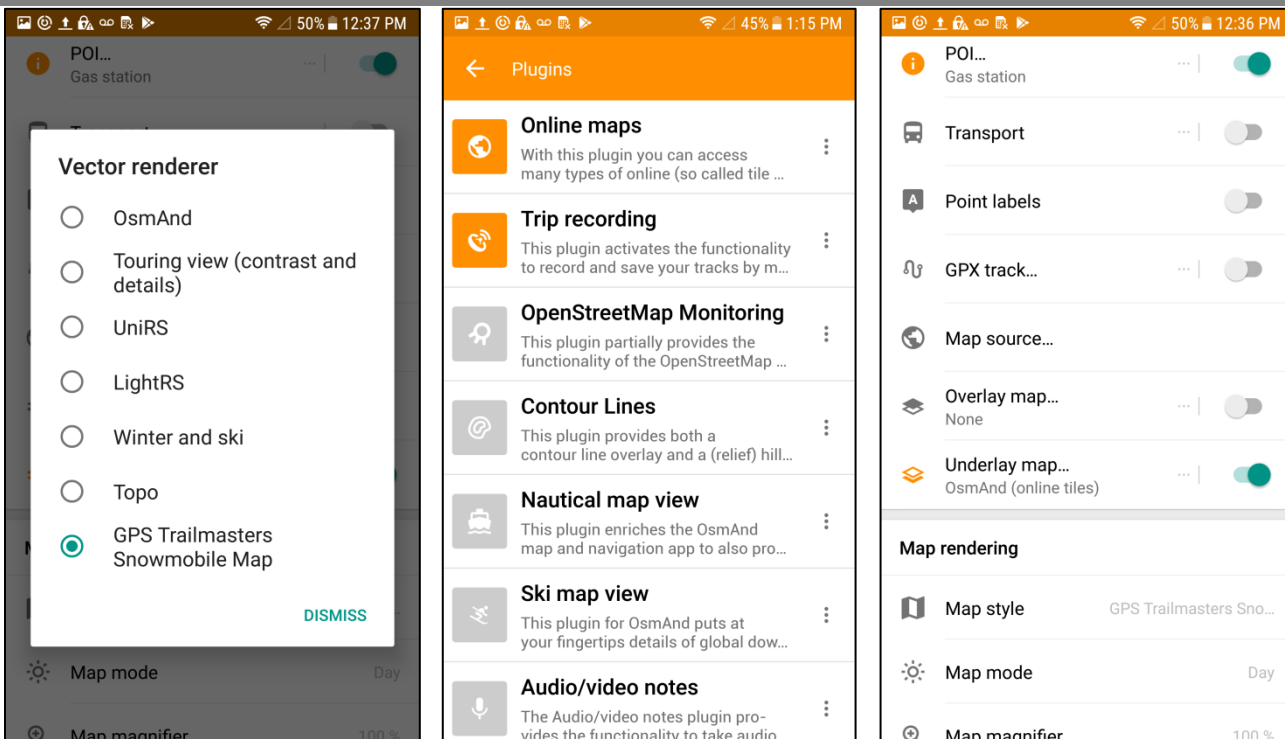
Enabling Point labels and enabling POI display will cause duplicate names displayed on the map.

Enable GPX tracking to record your rides.

Locus Map for Android

Locus Map is a multifunctional outdoor navigation application with access to a wide portfolio of hiking and street maps. Import your own tracks and points of interest. Using maps without an Internet connection is the basic idea of Locus Map. Locus Map offers downloading of offline background maps and allows you to import our snowmobile and ATV trail maps. Record tracks of all your trips and document with photos, videos and sound recordings.

Locus Map is free but includes an advertising banner and in-app purchases. Download the free Locus Map App from the Google Play store to your Android phone or tablet.

Transfer the KMZ map file to your phone or tablet using either Google Drive or Dropbox cloud storage OR by emailing the file to yourself. The KMZ files can be found using the **X Package Files** shortcut on your Windows desktop and from your User folder on your Mac. Once the KMZ file is on your device it can be selected and opened by the Locus Map app.

Locus Map provides several map options for the base map. To change the base map, press the Main Menu then tap **Maps**. Select the ONLINE tab. Select a base map from the list of available maps. Imported KMZ map data will display on top of the base map.

Use the cloud storage method to transfer the KMZ map file from your computer to your iPhone or iPad. Import KMZ map data from the Main Menu of the Locus Map app.

> Press the **Import data** option.

> Press either the DROPBOX or GOOGLE DRIVE tab.

> Select the .kmz map data file to import, for example "*GPS Trailmasters ATV Maine.kmz*".
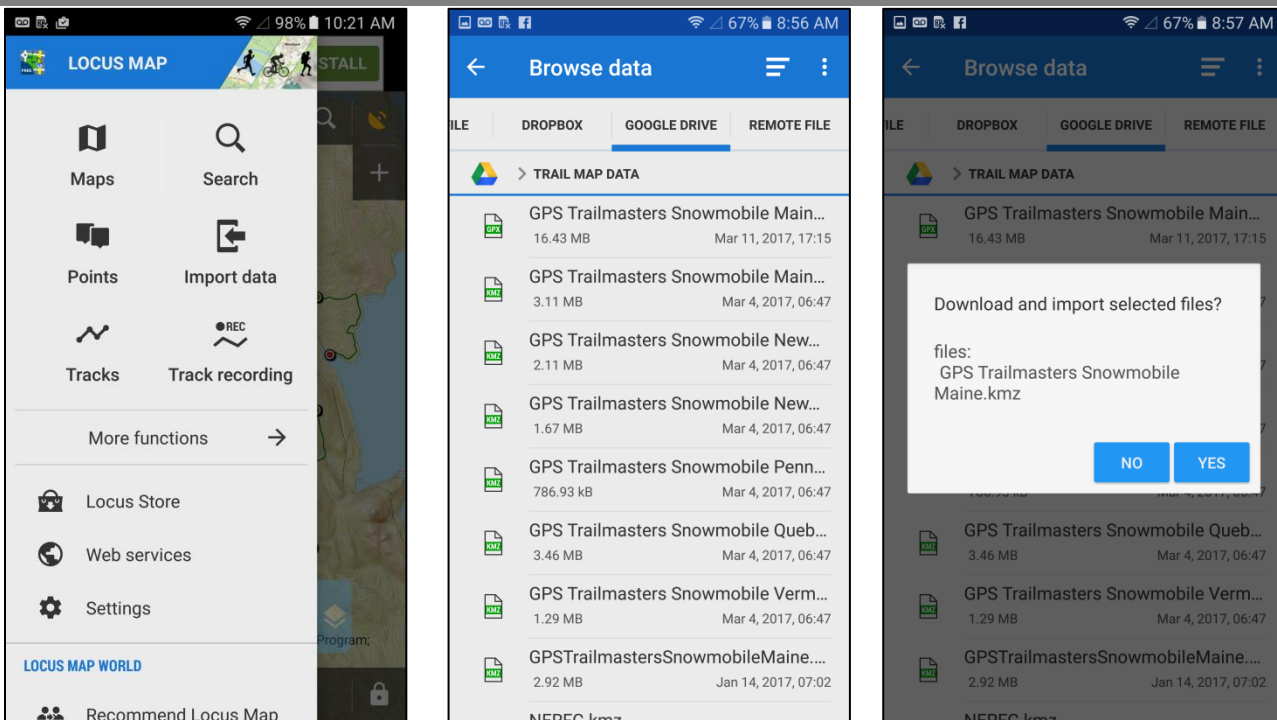
When importing data, Locus Map will prompt you for the POINTS and TRACKS folders where the data will be stored. Points (POIs) and Tracks (trails) are stored separately by the App and can be organized into named folders. Create new folders for your Points and Tracks for each trail map you import. The figure below shows folders created for the Maine ATV map. Create a new folder by pressing the gray triangle in the lower right of the folder section. Check the "Empty selected folder" if you are importing new map data to replace old data in that folder.

In the Advanced section, place a check mark on "Show on map after import". Press the **IMPORT** button. Each trail segment (intersection to intersection) is imported as a separate track; and each gas, food, lodging POI is imported as a separate point. Trail data and map points can be enabled/disabled for display on the base map.

When prompted about importing points with the same name, check "Apply to all" and press IGNORE button. This message can be disabled under Settings -> Miscellaneous -> DATA IMPORT, disable the "Check duplicates" feature.
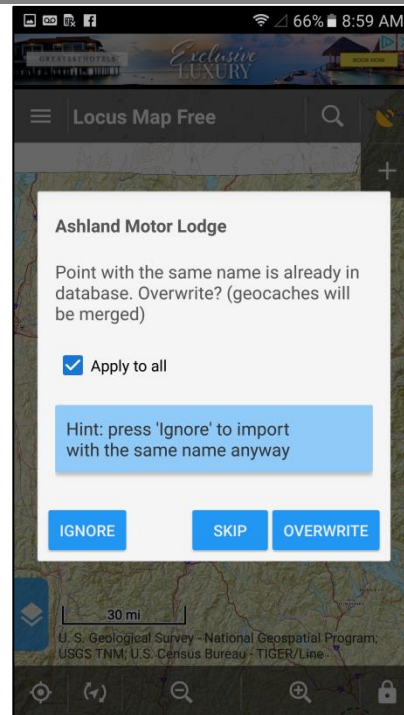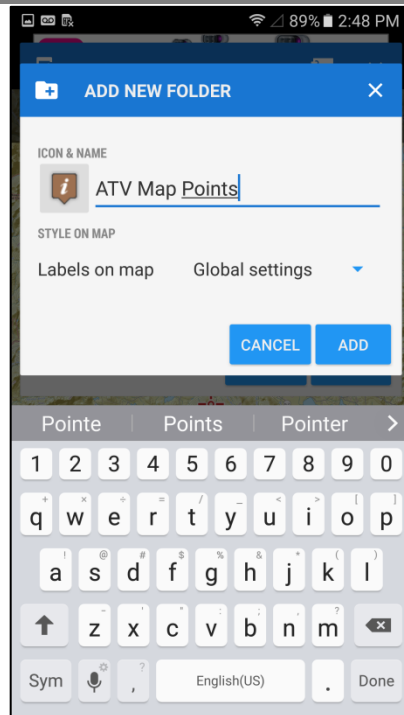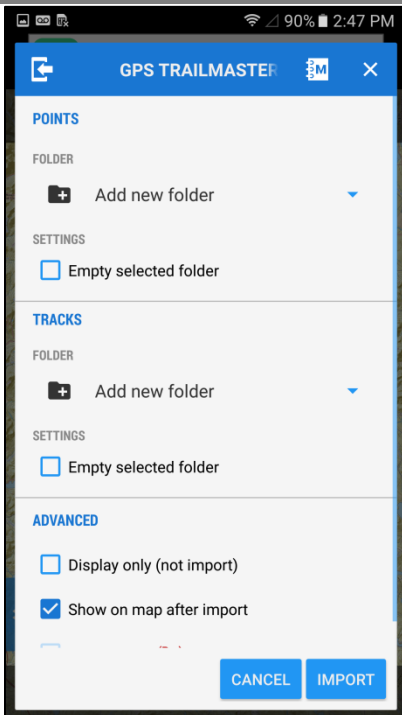
We recommend a couple changes within the Settings menu. Press **Settings -> Maps.**

> Under MAP CONTENT, press **Points & Tracks**.

> Set **Tap on point** and **Tap on track** to "Popup".

> Change the "Map icons size" to be 70% for smaller POI icons.

> Set **Track icons** to "No symbol"
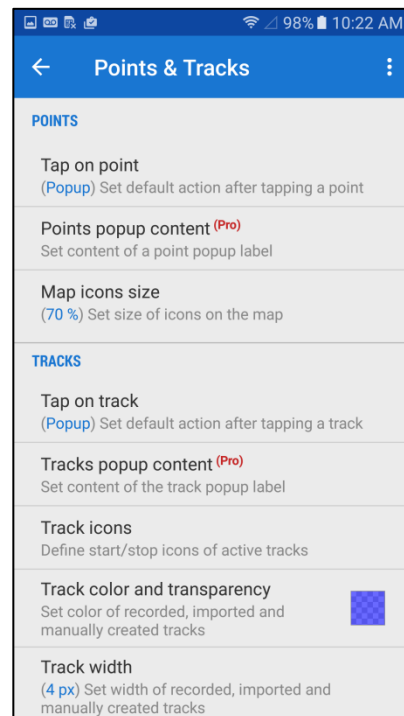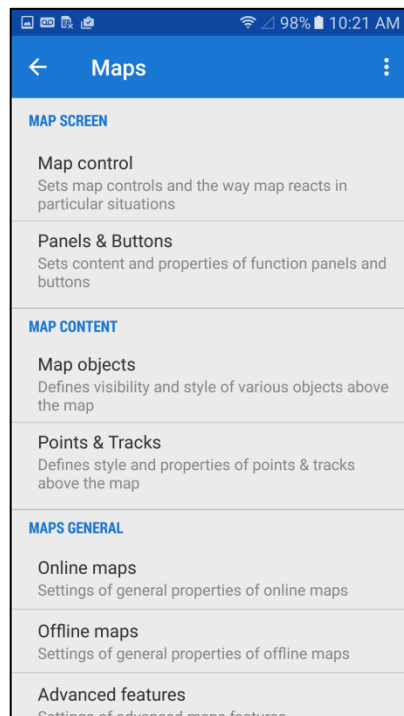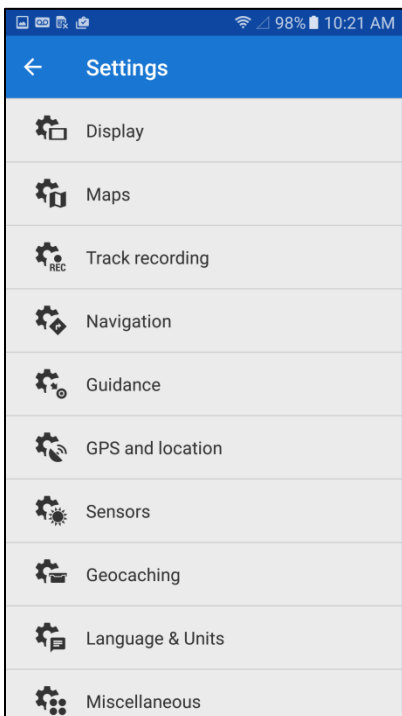
iOS Apps

The installation instructions below assume basic user familiarity with Apple devices and iOS apps. You must be familiar with downloading apps (Free and Paid) from the Apple store. You must know how to transfer files between your PC and the device.

Guru Maps for iOS and Android

Guru Map Pro is a detailed and easy-to-use offline vector map application for iOS and Android devices. No internet connection needed. Download a map of the entire country in one click. Record your trips and monitor your real-time speed, distance and time traveled. Bookmark your favorite locations for quick access. An online iOS User Manual and Android User Manual is available from the app developer.

Download the Pro version of the app from the Apple or Google store to your smart phone or tablet. **The paid (Pro) version is required to import our large amount of trail and POI data**. Consult the online User Manual, Importing KML/KMZ/GPX Files section for steps to import the KMZ trail map file stored on your computer. The KMZ trail map files can be found using the **X Package Files** shortcut on your Windows desktop and from your User folder on your Mac.

Use the email method to transfer the KMZ map file from your computer to your Phone or tablet. Open your email and press the KMZ attachment. Select "Open with Guru Maps".

Guru Maps will launch and display your trail map data.

> Select the "Save to one collection" option to combine trails and map points into a single collection.
>
> Change the name of the collection if you prefer.
>
> Set the collection to the "Default Collection" if you want it displayed all the time.
>
> Press the **Settings** icon at the bottom of the app.
>
> Press Download Maps to select your base map.
>
> Press **Map Source** and select Vector Map.
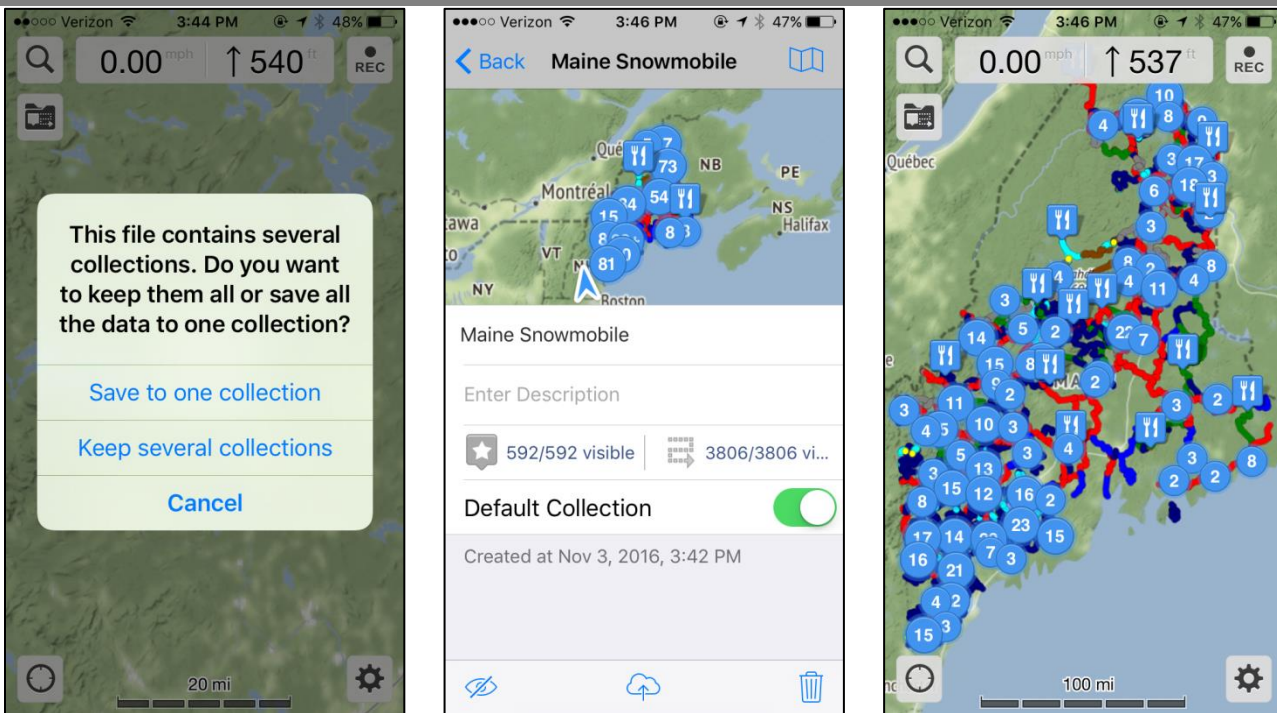
Google Earth Mobile for iOS

The [Google Earth mobile](#) App for iOS can be downloaded from the iTunes Store. Use a file share app such as Dropbox or Google Drive to transfer the file to your device or you can email the KMZ file to yourself and send/open with the Google Earth App. This app only works with an internet connection or cellular data, like at a camp or in a restaurant; it is not optimal for usage on the trail.

Trail App Data Installation Directly To Mobile Devices

If you have purchased the Trail App Data (.kmz format) from our website, you can download directly to a navigation app without use of a computer. Follow the directions below for the file download to your mobile device and follow the directions above for importing the map to the app of your choosing (except for OsmAnd, which requires the files from the X Package).

> Go to your account on the GPS Trailmasters website using the web browser on your mobile device.

> Go to your "Orders" page and locate the order.

> Click the orange download icon and click the link to download the .kmz file.

> On many devices, you can open the file after it has been downloaded and you will be prompted to select an app to open the file with. If this doesn't show up, follow the directions above for the app you'd like to import files to.

Screenshots below were taken on a Samsung Galaxy S10; most Android phones or tablets will operate similarly.
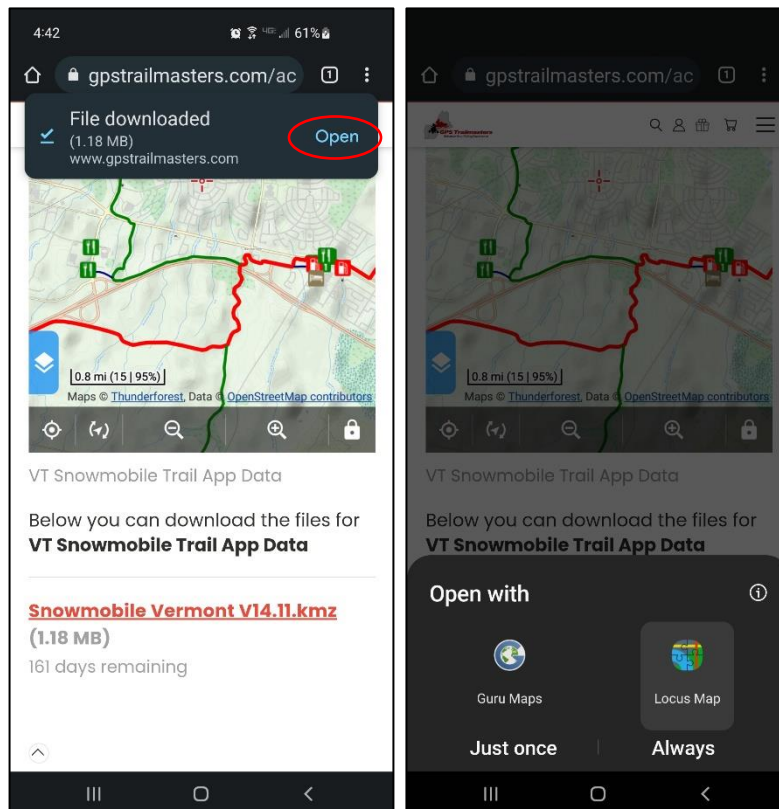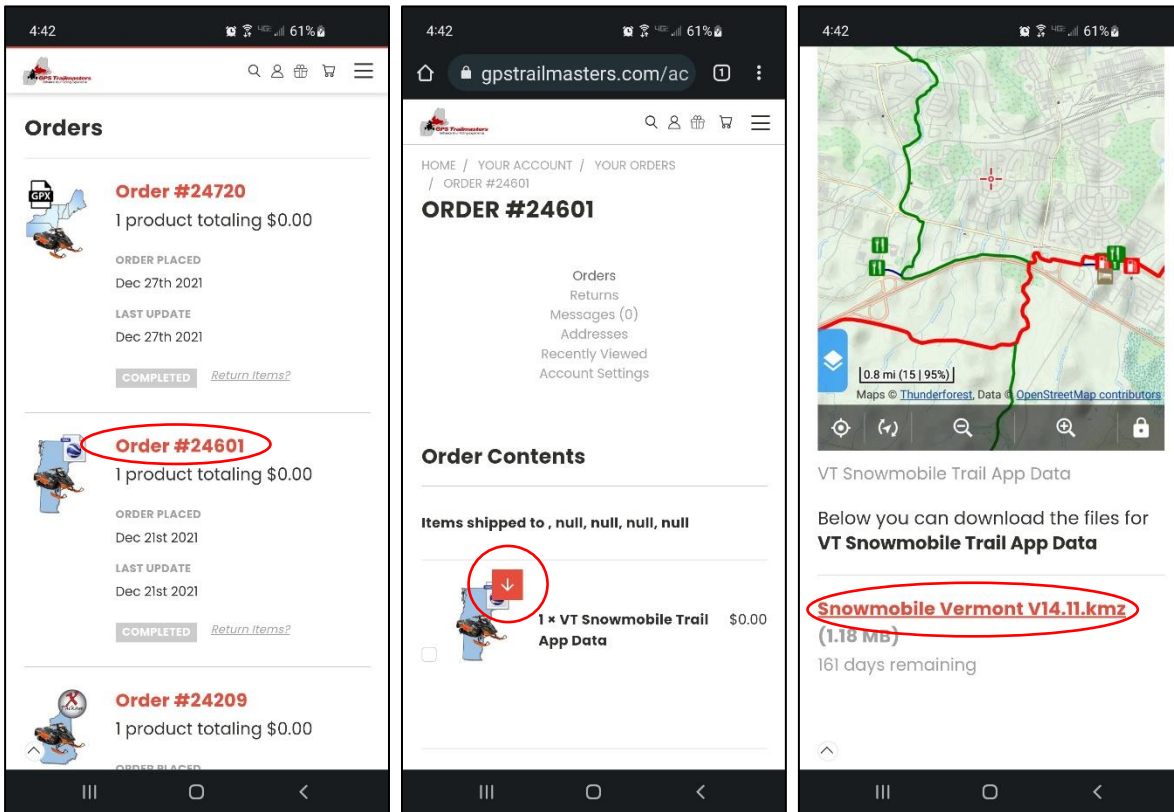
Screenshots below were taken on an iPhone 6; most Apple phones or tablets will operate similarly.
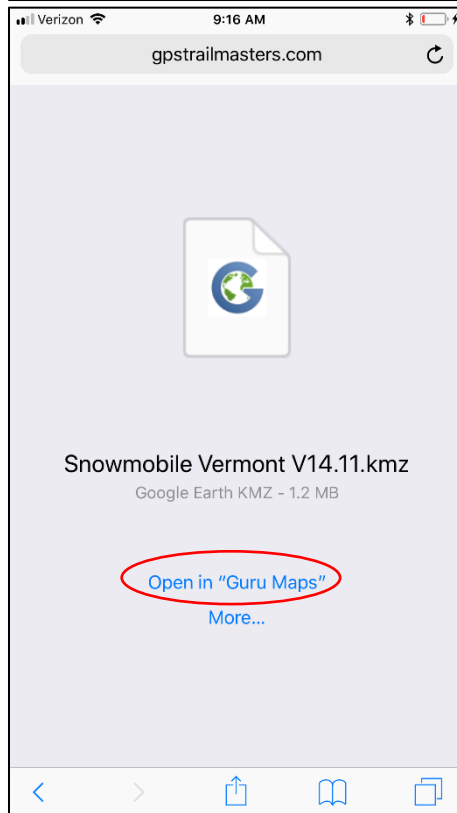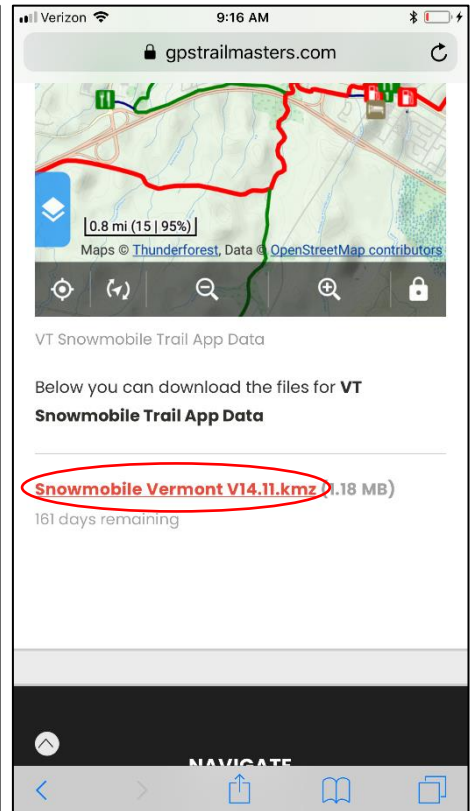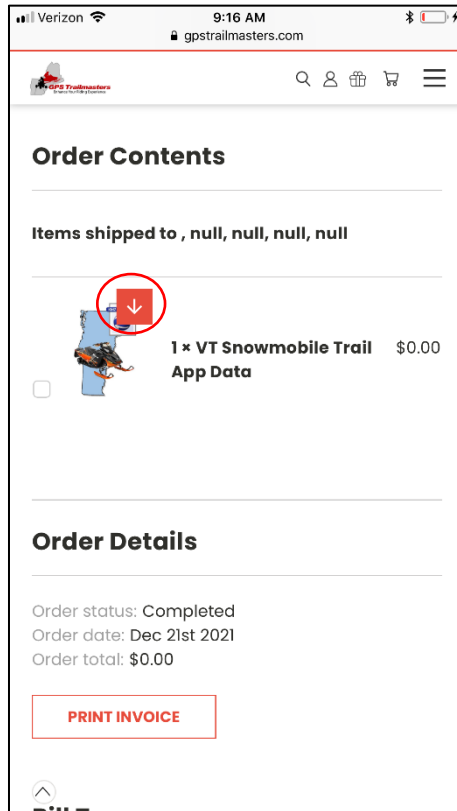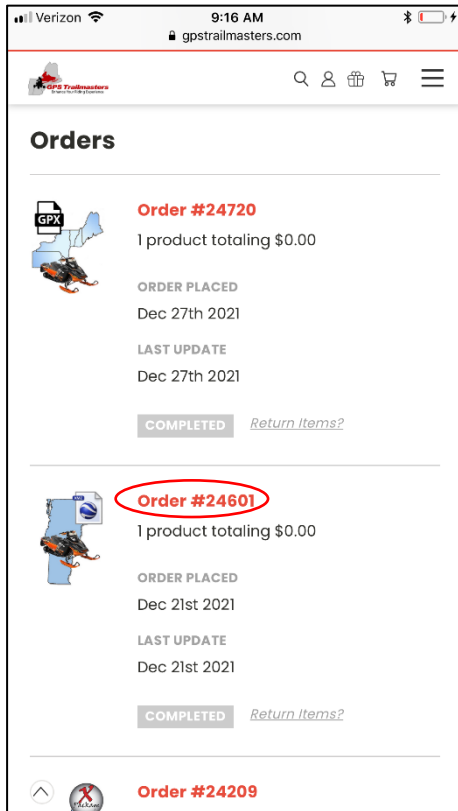
## Transferring GPX Files to the Polaris Ride Command© Built-in Display

The X Package contains a GPX file that we've formatted to be compatible with the built-in Ride Command © display on newer Polaris machines. You will need a USB flash drive formatted to FAT32 or exFAT®. If you purchased a preloaded thumb drive and are running an update, you shouldn't need to reformat.

To find the GPX file you'd like to transfer, open the X Package files on your computer. Open the folder titled "GPX".
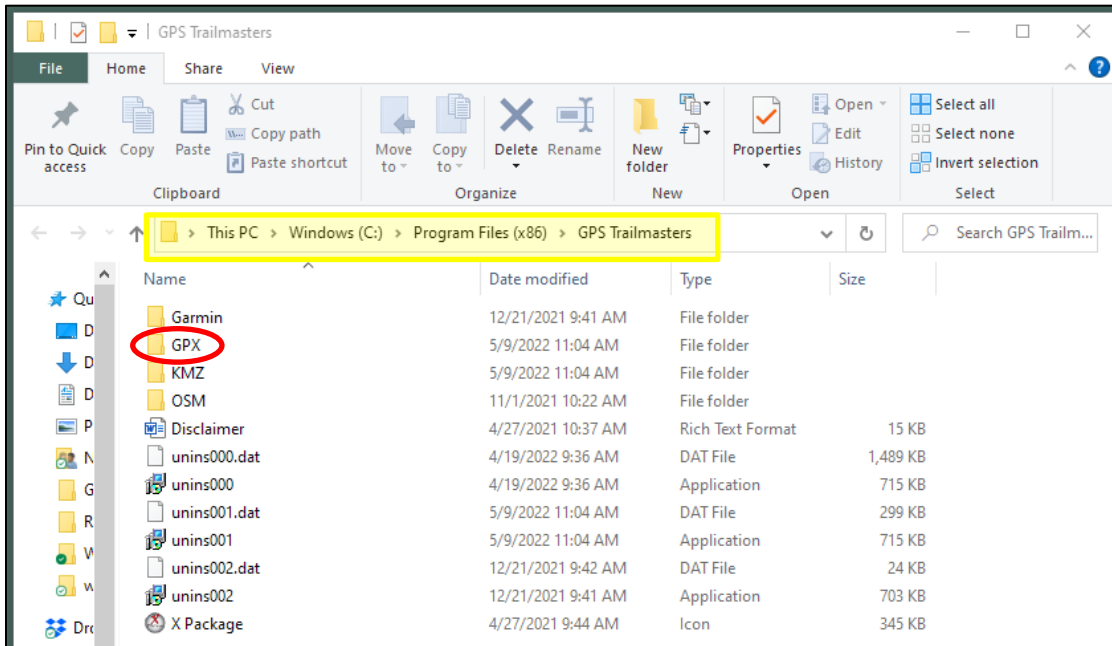
Select the file you'd like to transfer and copy and paste it into the thumb drive. If you're updating, replace the older file with the new one.
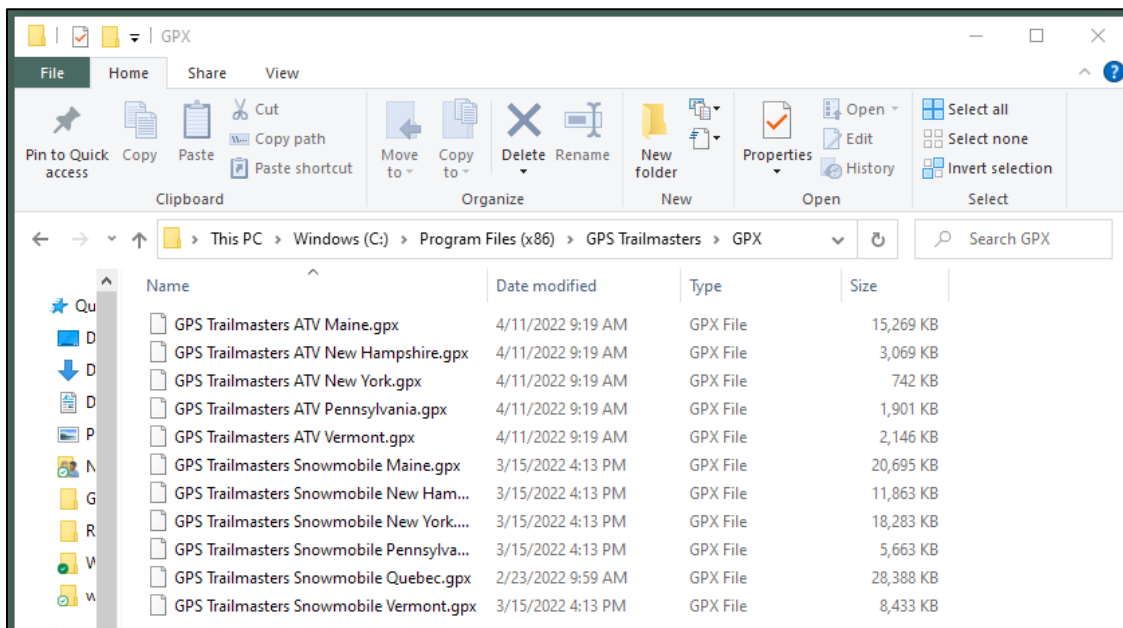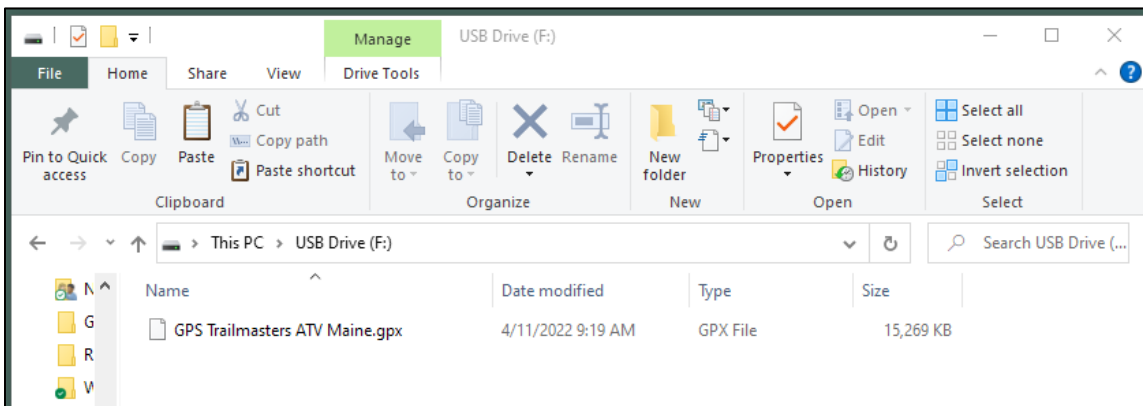
Once the thumb drive is loaded with the GPX file of your choosing, turn on your machine and plug it into the USB port.

From the map screen, press the Polaris button. ❖
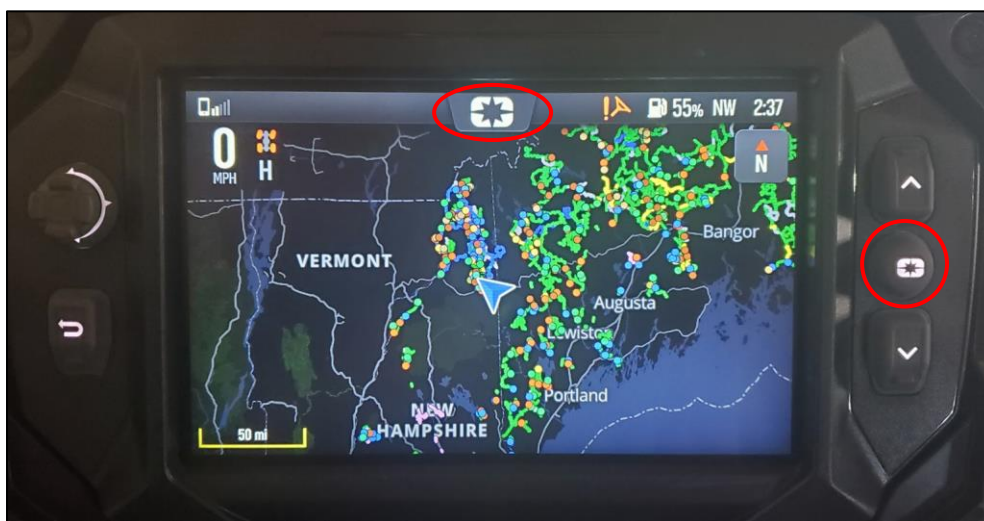
From the menu, press "IMPORT/EXPORT"

At this point, you must remove ALL rides and waypoints in the system before loading our map in. If you do not, you will have too much data and the system will crash. This includes removing our map if you're updating to a newer version. Press "ALL" and press "DELETE". This process may only delete about 500 items at a time, in that case you need to repeat until all rides and waypoints are gone.

Once there are no rides and waypoints in the system, press "COPY TO/FROM USB". You should see our map listed in the right-hand column. Press the arrow to the left of our map in the list. This will start the transfer process. The system does not have a status indicator built in. You will not see anything showing that items are transferring over. Only press the arrow button ONE TIME and then leave the system alone for 5-10 minutes. If you press the button multiple times, you will transfer the thousands of rides and waypoints multiple times. You will see the rides and waypoints listed on the left when the transfer is complete.

The GPX file does not follow our typical trail coloring that you would see on a Garmin GPS. Use the key below to identify what each color trail represents, along with a preview of the display.
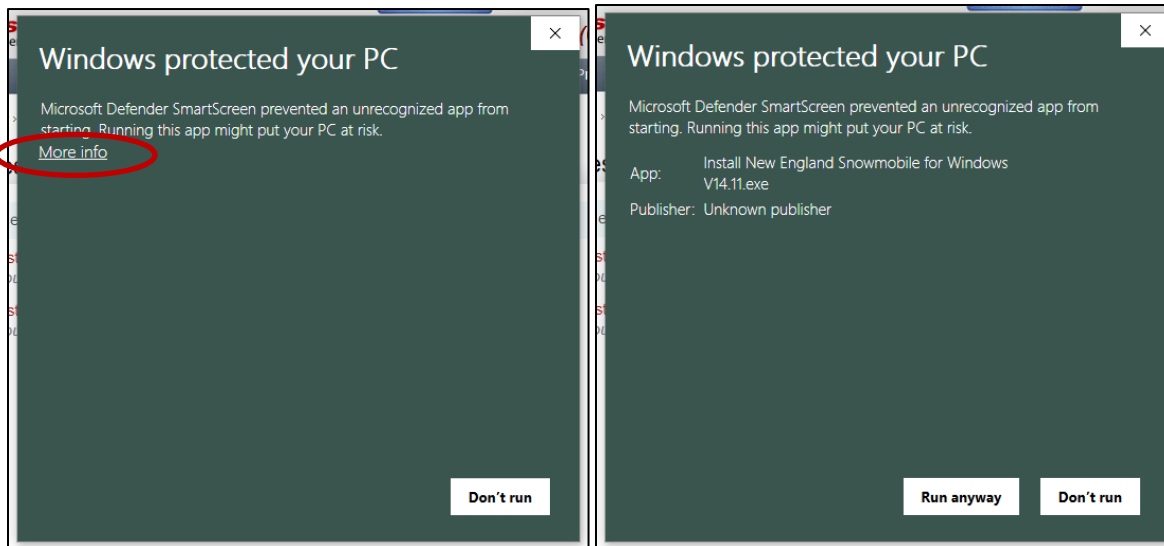

Windows Installer – Download Warnings

When you download the installer, you may get a warning in the downloads section of your browser that the file is not commonly downloaded and could be dangerous. It's <u>not</u> dangerous. Click the down arrow button, 3 dots next to the message, "more info", etc. and select **Keep**. Options may vary based on your browser.
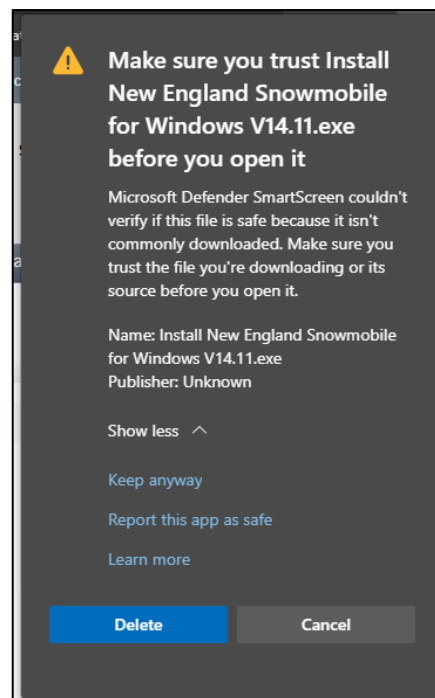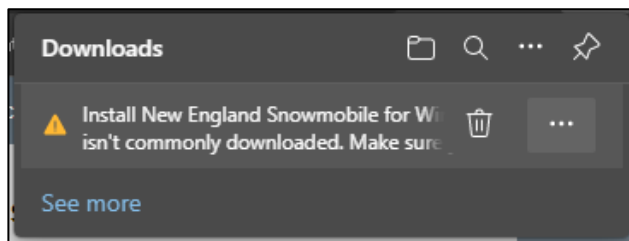

The warning will be removed, and the name of the installation program will be displayed. Click the file to open or click the down arrow again and select Open.

The "Windows protected your PC" dialog is displayed saying "*Running this app might put your PC at risk*". Click "More info", then click the **Run anyway** button. Skip to the **Running the Map Installer** section. Your browser automatically stores a copy of the file in your download folder if you want to run the program at a later date.


## Mac OS X Installer– Download Warnings

When you download the installer, you may get a warning in the downloads section of your browser that the file is not commonly downloaded and could be dangerous. It's not dangerous. Double-click the installation file to run the installer.
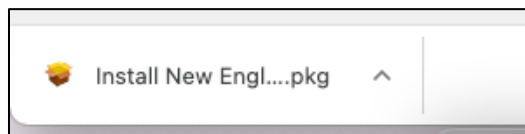
When you run the installer, you will get a warning indicating the app is from an unidentified developer. This is because we have not purchased a certificate from Apple. Click **Ok** and open System Preferences.
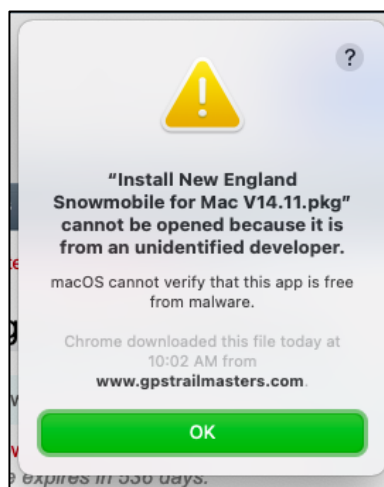
In System Preferences, go to Security & Privacy and select "General". Click the lock to make changes and enter your password if you have one. Then, next to the warning notifying you of the blocked use, click **Open Anyway**.
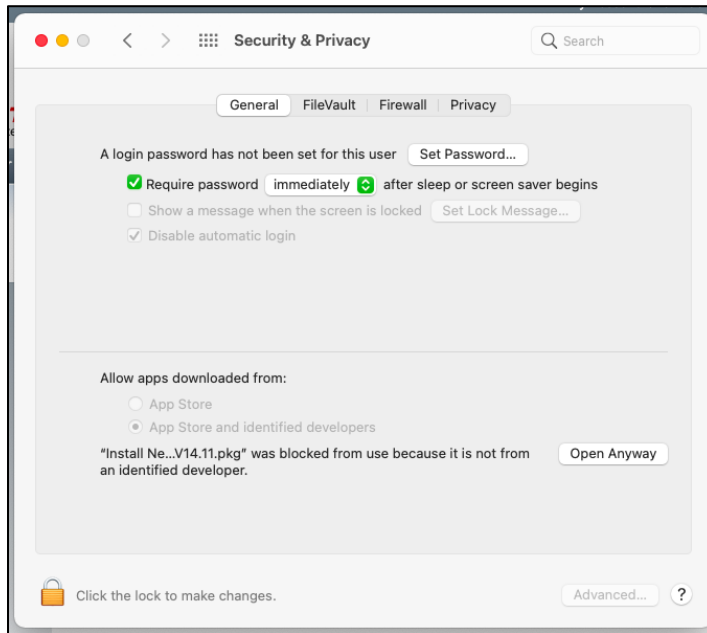
The "unidentified developer" dialog is displayed again asking "*Are you sure you want to open?*" Click **Open**.


Your browser automatically stores a copy of the file in your Download folder if you want to run the program at a later date.

Verify Map is Installed on Your GPS Device

Your map installation can be verified in two ways. The first is to simply check the GPS map for trails in your riding area by scrolling and zooming your map display. ATV trails will be mainly green with some blue and yellow, and snowmobile trails will be mainly red with some green and blue. Consult your Garmin owner's manual for operating instructions and details about the operation of your GPS.

The examples below are for the Zumo XT. Power on the GPS and select the map display. Zoom out to about the state level and pan the GPS map to the trail map region. You should see color-coded snowmobile or ATV trails. You can scroll and zoom the display to see additional map detail.
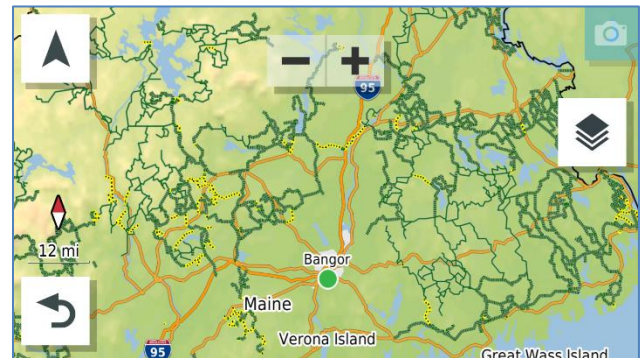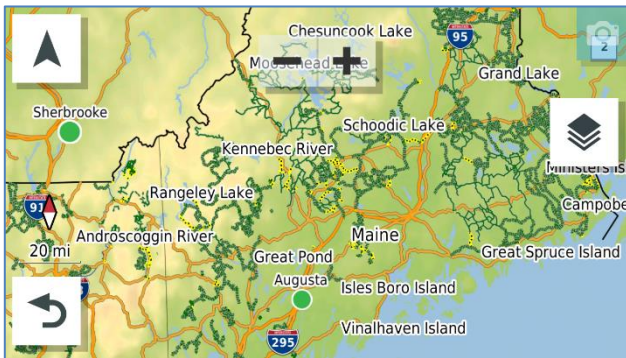
Most Garmin devices provide a list of installed maps by selecting the **Tools, Setup,** or **Settings** menu from the main screen. Your GPS menu and screens may look different depending on model. Consult your Garmin owner's manual for more information. Select **Settings** and then select **Map, Map Info,** or **Map & Vehicle**. Press the **Map Info** or **myMaps** button on the bottom of the screen.
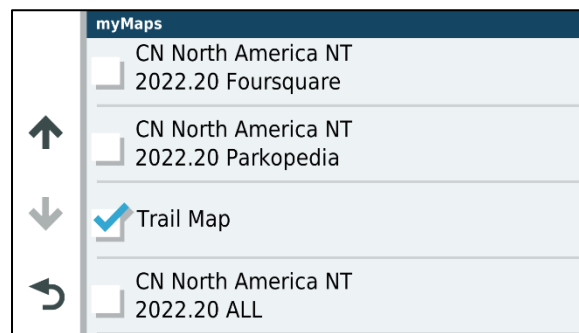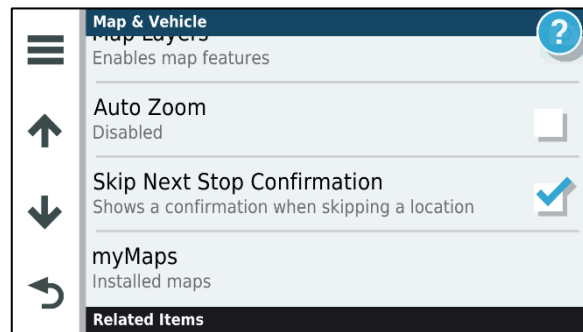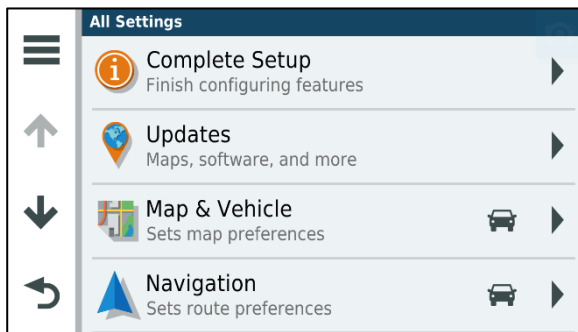
You should see the map listed as "Background Map, Trail Map" listed twice if you used both layers, "Trail Map" listed once if you used just the trail layer. The maps will have different names depending on the specific model GPS you are using. Some models will transfer "GPS Trailmasters Snowmobile

New England V14.03" (or whichever map/version you're on), while others will import just "Background Map, Trail Map" like the Zumo XT pictured above.

Some GPS models will show two identical listings for the GPS Trailmasters Snowmobile or ATV map when both the Background Map and the Trail Map were installed by MapInstall. One of the entries is the Background Map and the other is the Trail Map - trial and error will determine which is which. Yet other models will simply repeat the text from the first line into the second line.

You will also see other maps, including those provided by Garmin listed here. **For best performance, all other routable street maps such as City Navigator should be disabled.**

Configure Your GPS for Auto-Routing

The way your GPS calculates turn-by-turn routes is impacted by the routing settings on your GPS. The Garmin auto-routing algorithm for your trail maps is the same software as that used for your street maps. It is a Garmin developed algorithm residing in your GPS. Most Garmin GPS models have routing settings, but they may look slightly different than those shown here and may be under a different menu on your GPS.

The first set of screenshots below show the menus for the Garmin Montana 600 series handheld GPS. Most handheld GPS models will have a similar set of menus as the Montana.

From the **Setup** menu, select **Routing**. The most important setting here is the first one, listed as "Activity", this should be set to an activity that implies use of a vehicle, such as Automobile, Motorcycle or ATV/Off Road Driving. The Direct Routing setting or other walking activity will result in a straight-line route "as the crow flies". The "Calculation Method" should be set to Minimize Distance. The reason for this is our trail maps are very accurate for distance but highly variable for time because everyone rides at different speeds on different trail conditions. The "Avoidances" should all be disabled/turned off so that no road type is checked (avoided) when calculating a route. Lock on Road "snaps" your position to the trail even if you are off it 30 or 40 ft. so it is recommended this be set to "No". The "Off Route Recalculation" set to Automatic will force the routing algorithm to recalculate if you decide to cross a lake or take a different trail from the one calculated initially.
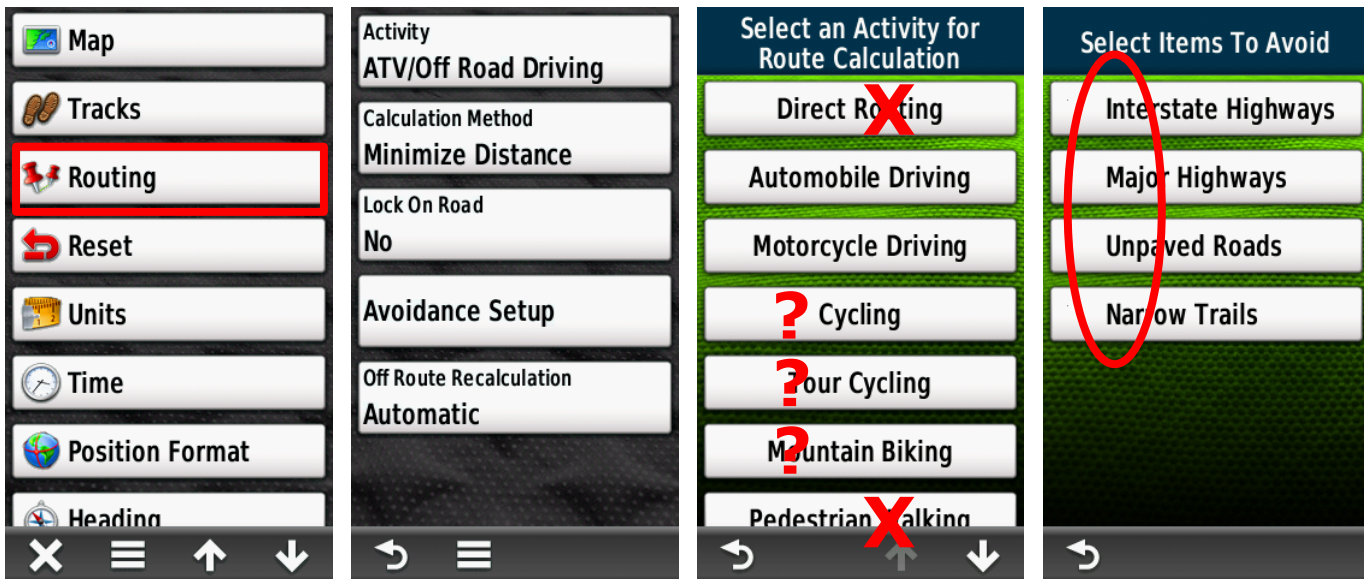
The next set of screenshots show the menus for the Garmin Drive 51. You will find more menu variation among the automotive units because there are a lot more models with a variety of features. On the Drive 51, the Off Road activity is listed under the Route Preference. The Off Road setting should never be selected as it will cause a straight line route "As the crow flies".

Again, be sure to disable all avoidances so no road type is avoided when creating a route.
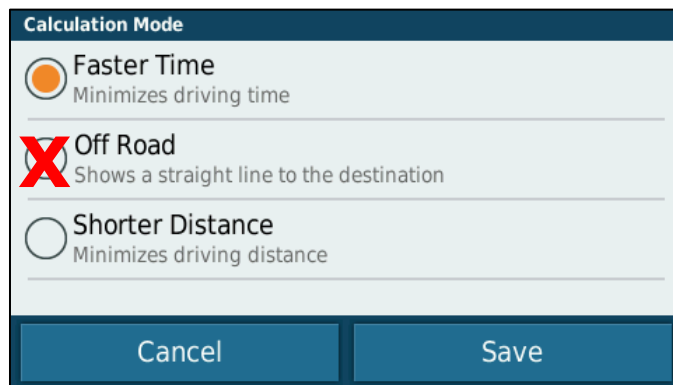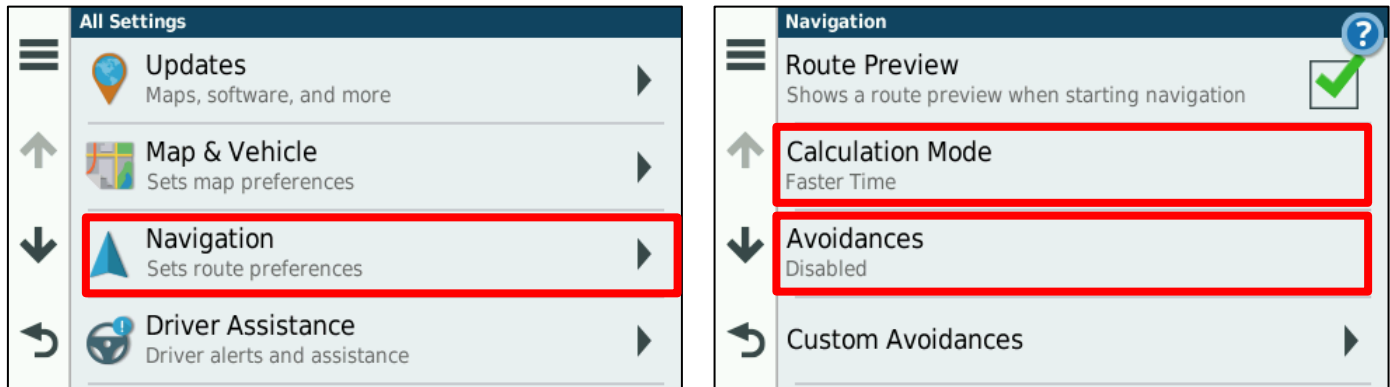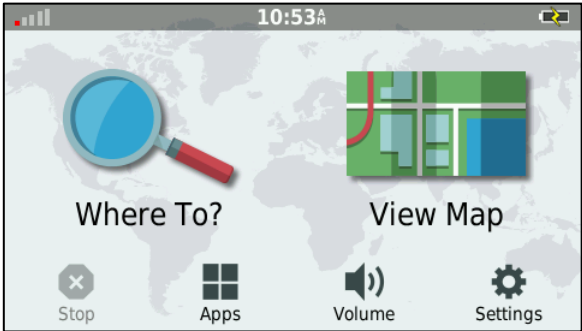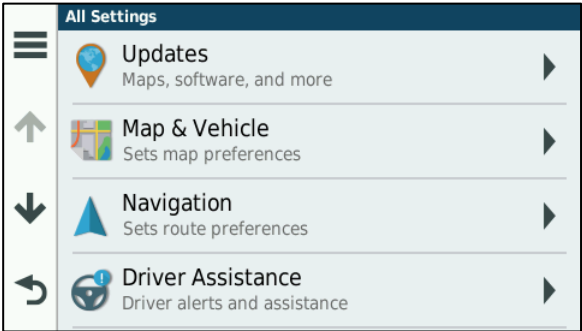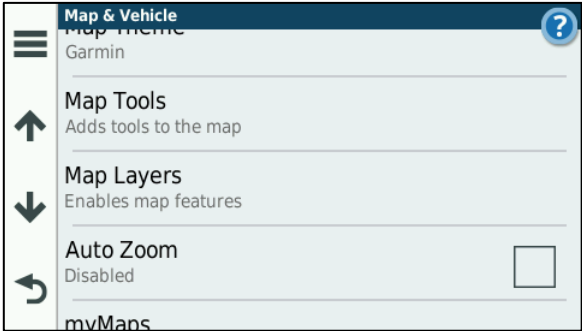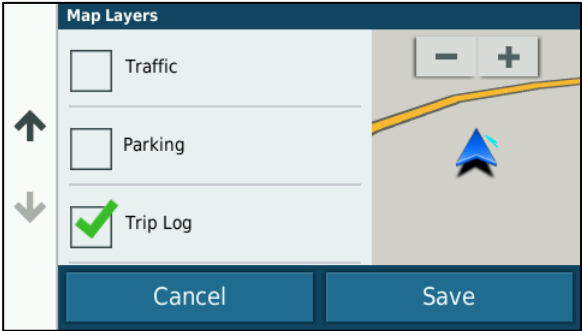

When using your GPS for auto-routing (turn by turn directions) by trail, disable all other routable maps such as your City Navigator Street maps. This eliminates confusion between streets and trails for the Garmin routing algorithm.

These instructions relate to the Drive 51. Your GPS may have a different set of menus, but the basic steps are the same.

Collecting "tracks" with your GPS is easy to do. The "bread crumb" trail that shows where you have been is your track and is referred to as the "Trip Log". Your Trip Log contains the GPS tracks that are used to create the snowmobile or ATV trail map.

Enable Trip Log

Your Trip Log must be "enabled" for you to see the bread crumb trail on your GPS. To enable the Trip Log, navigate to the *Map Layers* menu and select the Trip Log.


Select *Settings* from main screen	Select *Map & Vehicle*
Select *Map Layers* menu	Set Trip Log to *Show*

Capture your Trip Log (Tracks)

Capture the Trip Log at the end of each trip; you never know what small changes you may have picked up along the way.

1. Connect the GPS to the computer with a USB cable.

2. Locate the GPS on your My Computer window.

3. Navigate to the \Garmin\GPX folder.

4. Drag the file "Current.gpx" to your computer. Note this file may have a different name and be in a different Garmin folder but as long as it contains the ".gpx" extension it will likely be your trip log file.

5. Attach the GPX file to an email to GPS Trailmasters.
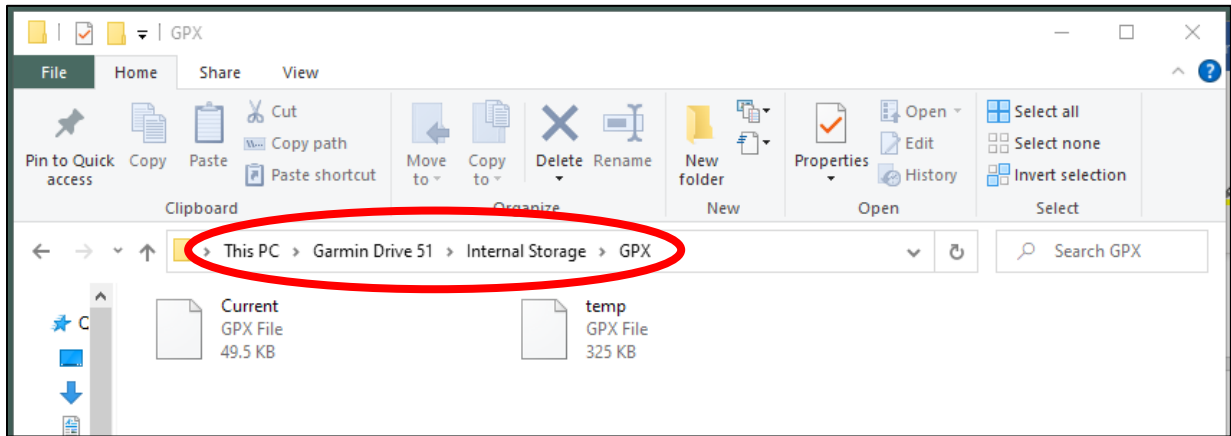
Updating Maps on Your GPS

Updating your GPS Trailmasters' map uses the same steps described above for the initial installation.

1. Download the latest map files from your account to your computer.
2. Install the map to your GPS using a standard USB cable.

Step 1 must be run to update the map files on your computer.

Step 2 transfers the GPS map from your computer to the GPS but requires the old version of the map to first be uninstalled off the GPS. **NOTE**: **The Garmin MapInstall software will indicate the latest version of the map even if the version on your GPS is older.** For this step you must connect the GPS to your computer using a standard USB cable. If installing to your own microSD card, the card must be in the GPS.

Step 1 – Download the Latest Map Version to Your Computer

Remember, your account always contains the latest version of our map installer. Compare the latest version of the map installer to the version on your computer and GPS.

1. The map installer kept in your account identifies the latest version of the map.
2. The version installed on your computer is shown in Garmin BaseCamp.
3. The version installed on your GPS is shown in the Map Info menu.

Download the latest version of the map installer in the same way as the original download above.

Step 2 – Transfer the Latest Map Version to Your GPS

The map installer copies the map files to your computer. The next step is to transfer the map from your computer to the GPS. The free Garmin mapping programs are used for this step. Mac users skip to the updating with MapInstall for Mac OS X section.

Updating Map with BaseCamp for Microsoft Windows

Connect your Garmin GPS device to your computer using a USB cable. Open Garmin BaseCamp. Verify the latest version of your GPS Trailmasters trail map was successfully installed on your computer by clicking **Maps** from the main menu. Each map with the version should be listed under the Maps menu. If you do not see your GPS Trailmasters map listed, close and restart BaseCamp.

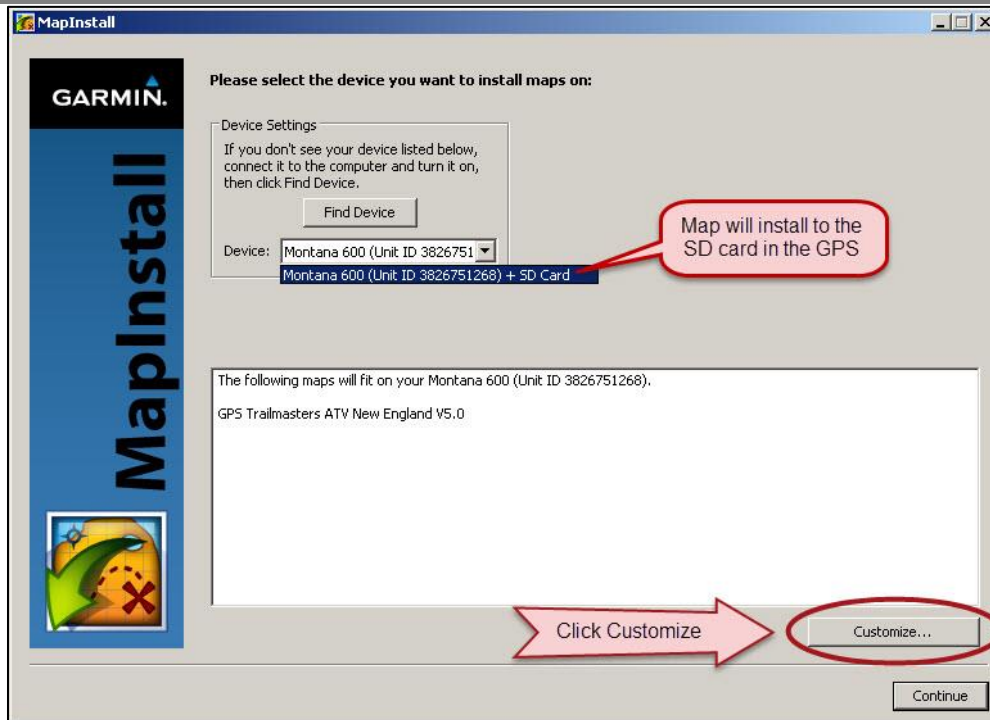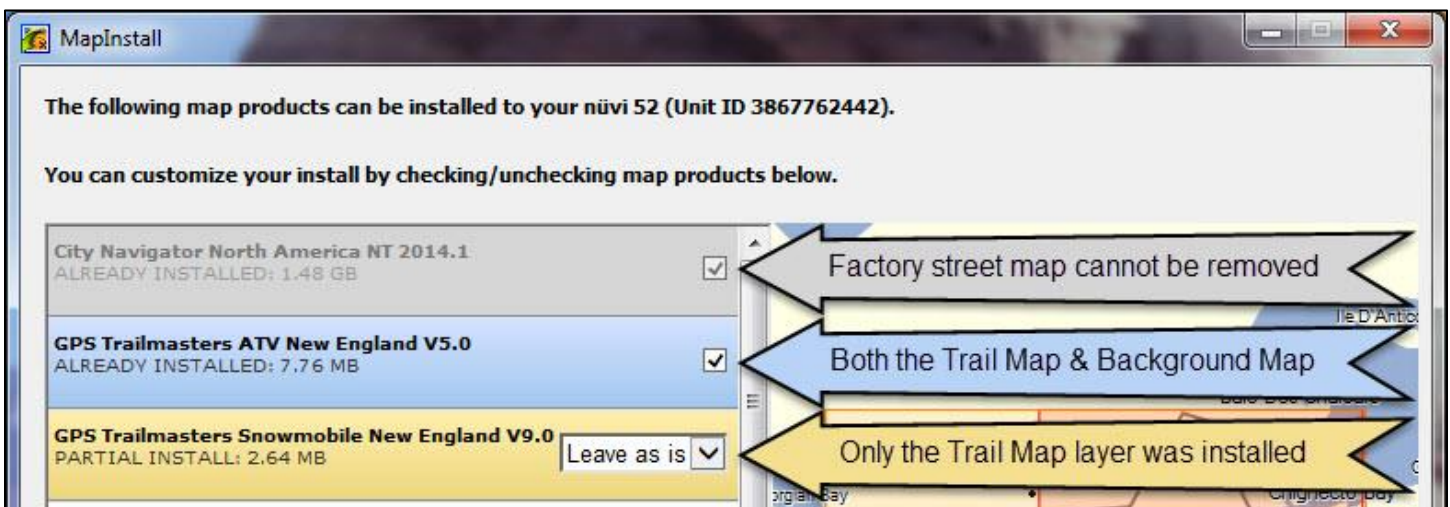Click the **Maps** -> **Install Maps** menu to launch MapInstall.
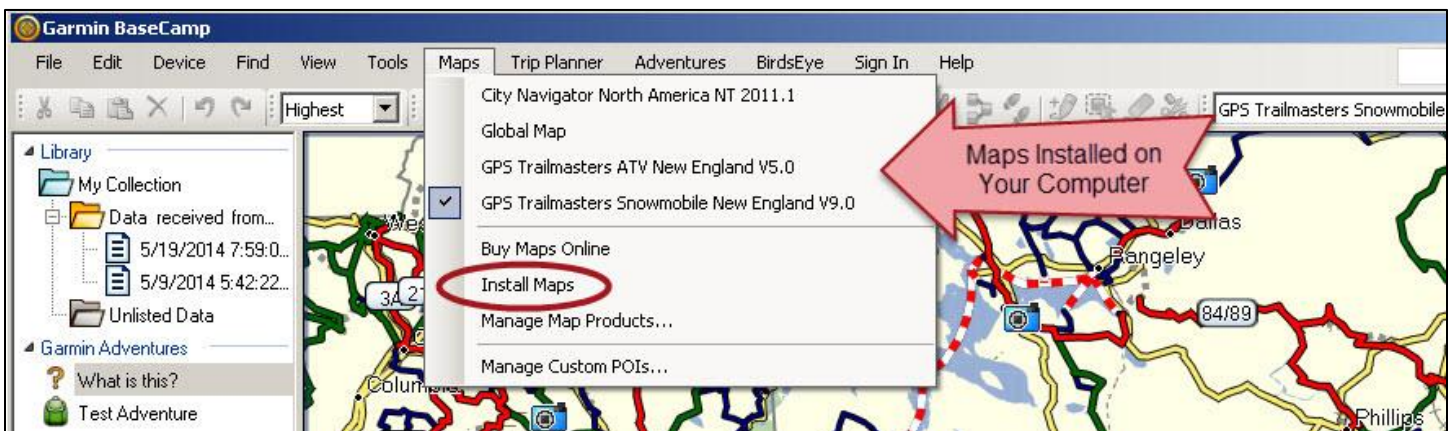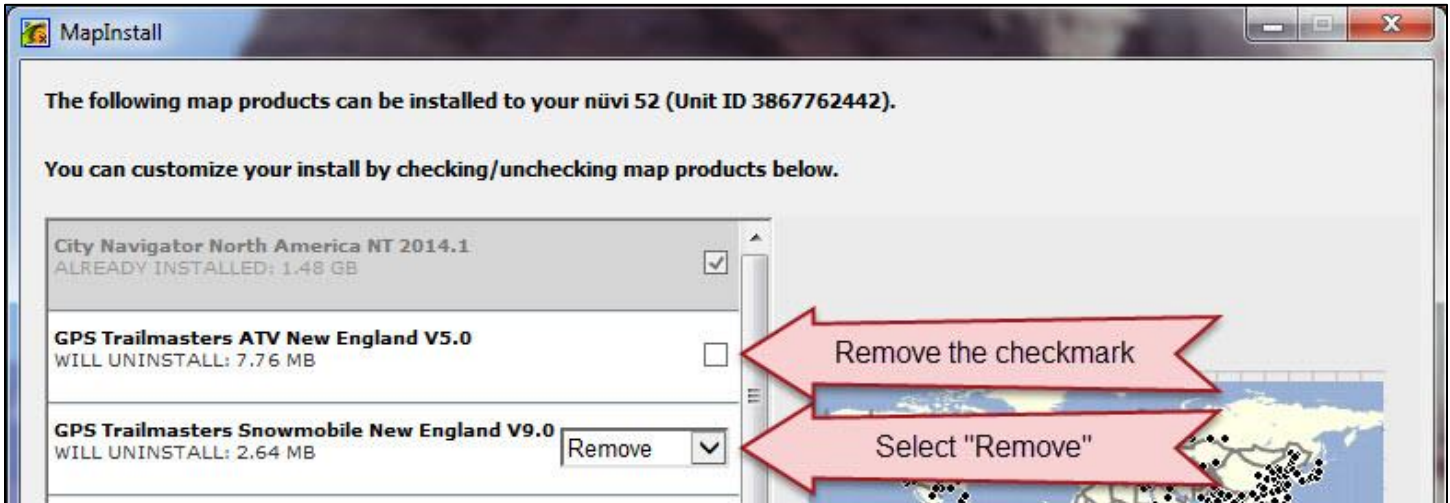
Figure 15 – MapInstall Introductory Screen

NOTE: For newer GPS models that include a microSD card "chip", the SD Card will be added to the Garmin device name as in Figure 15. If an SD card is installed in your GPS, the map installation will default to your SD card. The older devices allow you to select either the GPS internal memory or the SD card as the map install location.

Click the **Customize…** button. The MapInstall screens will be different depending on whether you originally installed just the Trail Map layer or both the Trail Map and Background Map layers.

- Gray shading indicates a Garmin factory installed map that cannot be removed.
- Blue shading (ALREADY INSTALLED) indicates the installed GPS Trailmasters map consists of both the trail map and background map layers.
- Yellow shading (PARTIAL INSTALL) indicates the installed GPS Trailmasters map consists of only the trail map layer.

Regardless of how the previous map was installed, it needs to be removed so the new version of the map can be installed. If there is a drop-down menu, select "*Remove*" and if there is a checkbox, remove the checkmark. The text below the map will change to "WILL UNINSTALL". Click the **Continue** button. **NOTE**: The Garmin MapInstall software will indicate the latest version of the map even if the version on your GPS is older.

The confirmation screen will display indicating the map will be removed. Click **Install**. Then click **Finish**. After the old map is uninstalled, reinstall the new map using the instructions above.

Updating Map with MapInstall for Mac OS X

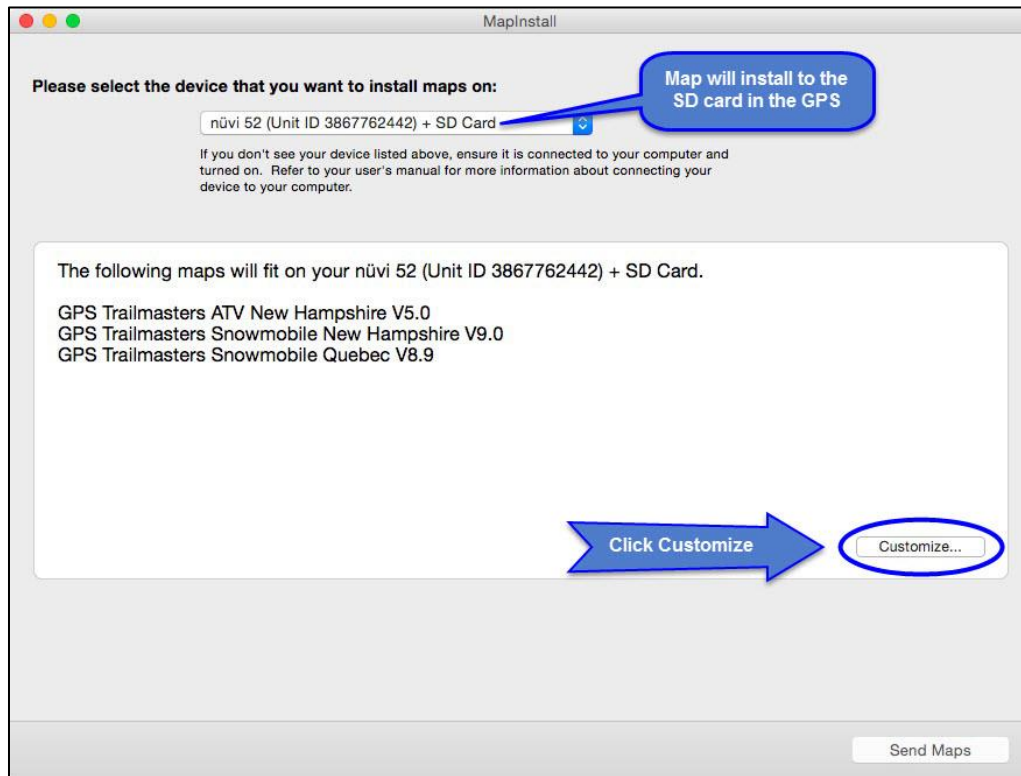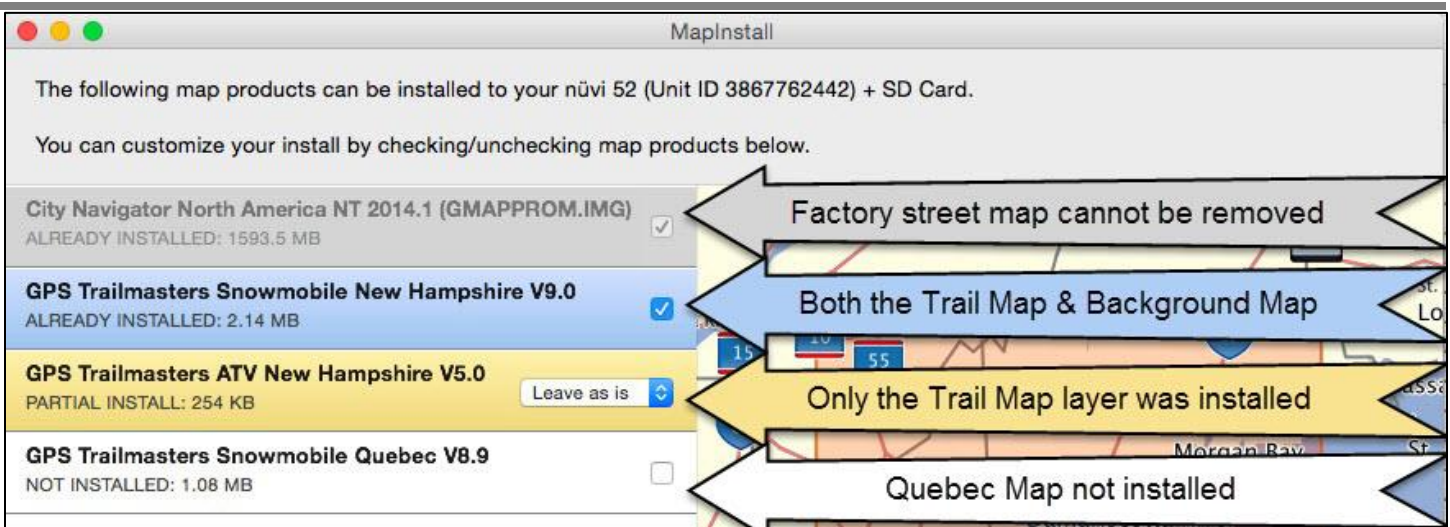Connect your Garmin GPS device to your computer using a USB cable. Open Garmin MapInstall.

*Figure 16 – MapInstall on Update*

NOTE: For newer GPS models that include a microSD card "chip", the SD Card will be added to the Garmin device name as in Figure 16. If an SD card is installed in your GPS, the map installation will default to your SD card. The older devices allow you to select either the GPS internal memory or the SD card as the map install location.

Click the **Customize…** button. The MapInstall screens will be different depending on whether you originally installed just the Trail Map layer or both the Trail Map and Background Map layers.

- Gray shading indicates a Garmin factory installed map that cannot be removed.
- Blue shading (ALREADY INSTALLED) indicates the installed GPS Trailmasters map consists of both the trail map and background map layers.
- Yellow shading (PARTIAL INSTALL) indicates the installed GPS Trailmasters map consists of only the trail map layer.

Regardless of how the previous map was installed, it needs to be removed so the new version of the map can be installed. If there is a pull-down menu, select "*Remove*" and if there is a checkbox, remove the checkmark. The text below the map will change to "WILL UNINSTALL". Click the **Send Maps** button.
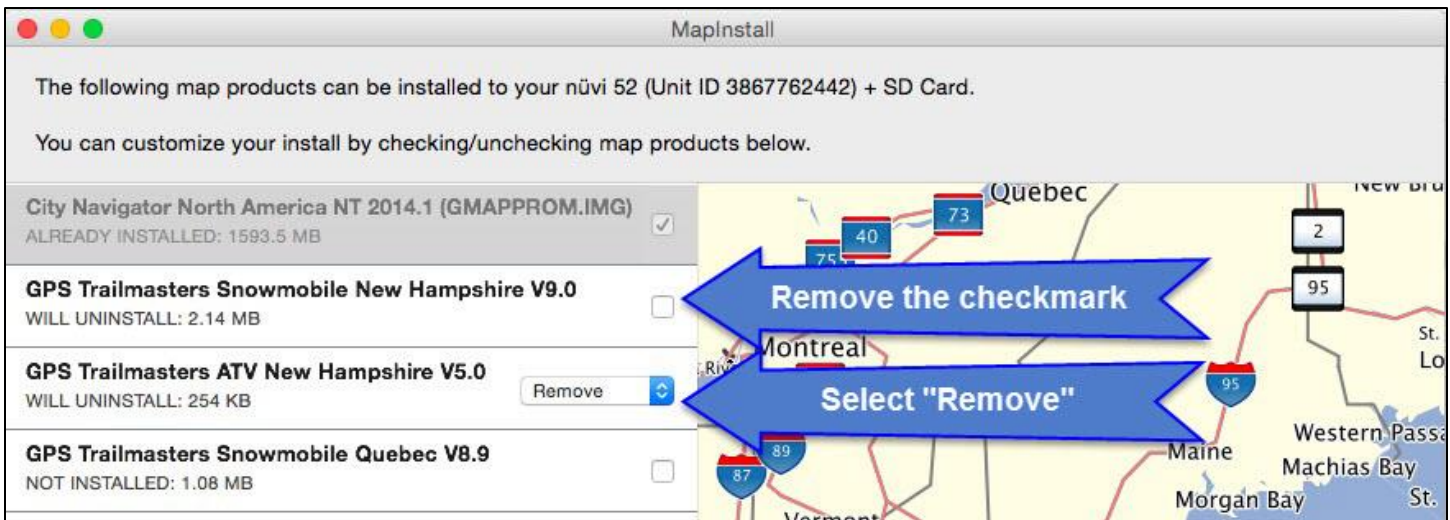
The confirmation screen will display indicating the map will be removed. Click **Confirm**. Then click **Done**. After the old map is uninstalled, reinstall the new map using the instructions above.