



Cheatsheet for adding Maps or Ownership Layers to GPS Units

This worksheet walks you through step by step the process of installing the required software (phase 1) and then adding maps to your Garmin GPS unit (phase 2). It requires two disks (first labeled MapSource Trip and Waypoint Manager 3.0, the second labeled GPSFiledepot.com), a State of Arizona Issued Garmin GPS unit (software on Disk 1 came with all of the GPS units...if you have a personal Garmin GPS unit it probably came with this disk as well but the license for this software is only for gps units purchased by AZ State Forestry and is not for private use or distribution), a cable to connect your GPS unit to your computer (USB is most common but for older models it might be a serial port cable, and finally a Windows based computer (XP or Vista...this process has not been tested on Windows 7 and the step by step process is from XP...note Maps on Disk 2 are not Mac/Apple Compatible). * NOTE NOT ALL GARMIN GPS UNITS CAN ACCEPT MAPS...the cheapest versions do not accept maps.

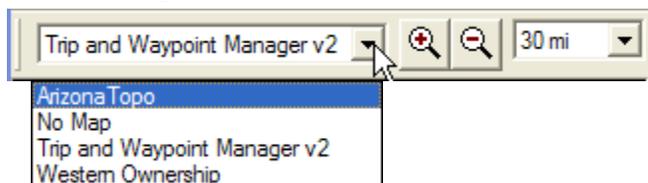
Phase 1 installing required software: During phase one you will be installing the MapSource Trip and Waypoint Manager 3.0 and each set of maps that you will be wanting to add to your GPS unit. Phase 2 will involve connecting the GARMIN GPS unit to the computer and moving the maps from the software installed during phase 1.

Step one: Install MapSource Trip & Waypoint Manager 3.0 from Disk 1. Accepting all of the defaults during the setup is fine. For more details on this process go to step one in Appendix I.

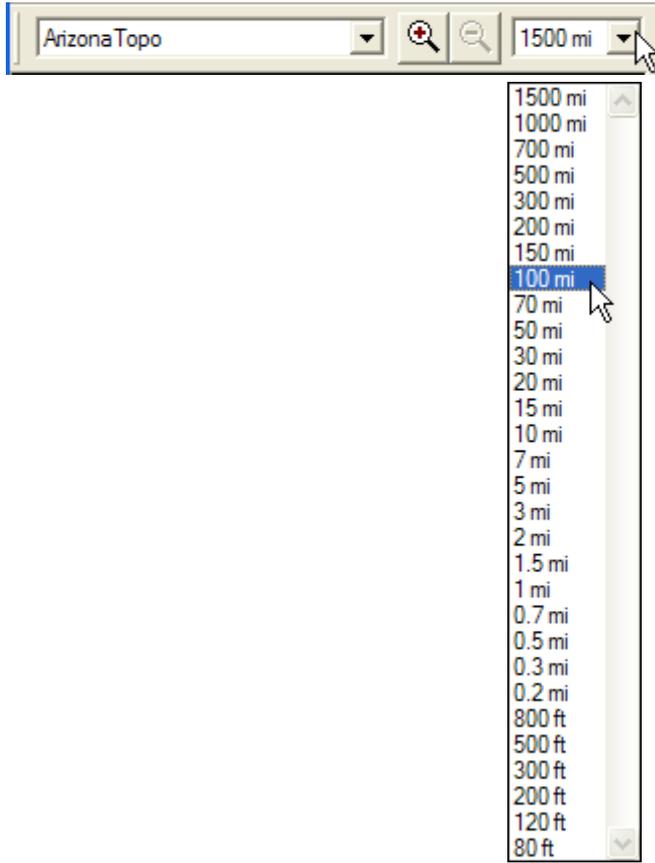
Step two: Install 24Kmapsources_aztopo_install.exe and 247-8465-az_co Ownership_install.exe from Disk 2. For more details on this process go to step 12 in Appendix I.

Phase 2 installing the maps onto your Garmin GPS unit: During this phase you will be transferring maps installed in Phase 1 and the MapSource software to put those maps onto your Garmin GPS unit.

Step one: Open the MapSource software  that you installed in Phase 1. Select Arizona Topo from the dropdown menu.



Step two: Zoom in to Arizona by selecting the dropdown menu and choosing “100 mi”



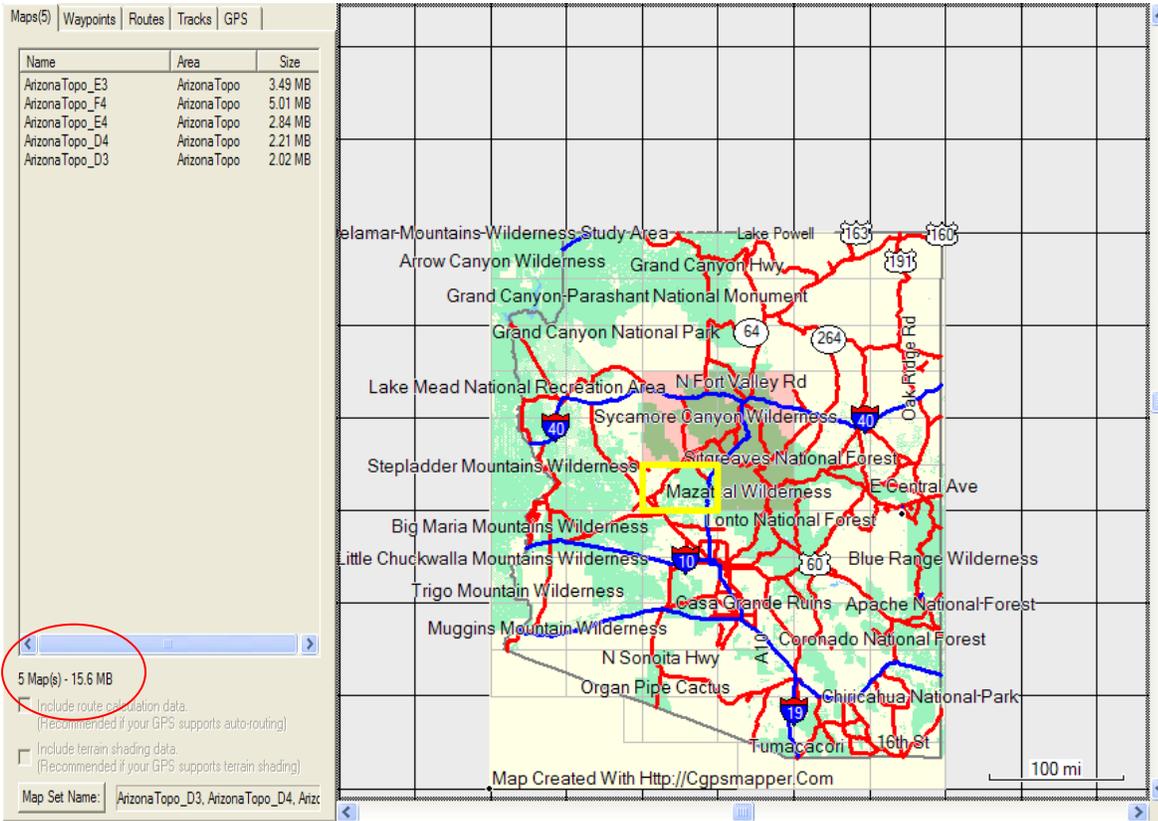
Step three: Select maps to be downloaded by using the map tool



found in this

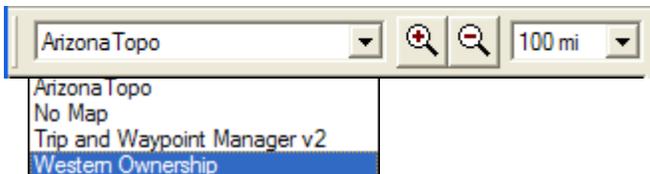


A right click, when using the map tool, will select a map from the grid and shade it in pink...the yellow outline shows which map in the grid you are selecting or unselecting.

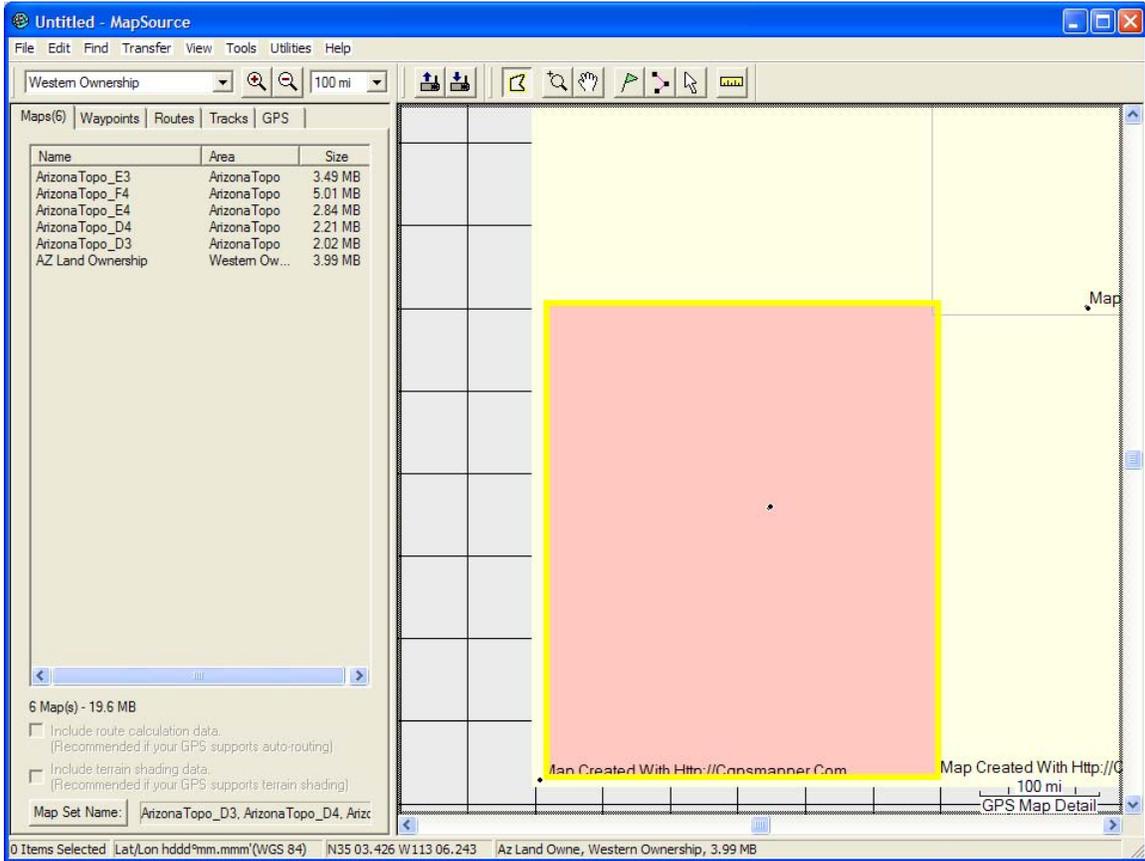


The window to the left show the maps selected and the size of the maps selected to be added to your GPS unit...depending on your model and size of your microSD card you will only be able to add a certain amount to your GPS unit...for now select the maps that you want to add to your GPS unit...if there is an issue with size, the program will let you know in step 4 and at that point you can unselect maps, by right clicking on them for a second time, that you don't need as much knowing that if the situation called for it you could add them in and unselect other maps instead.

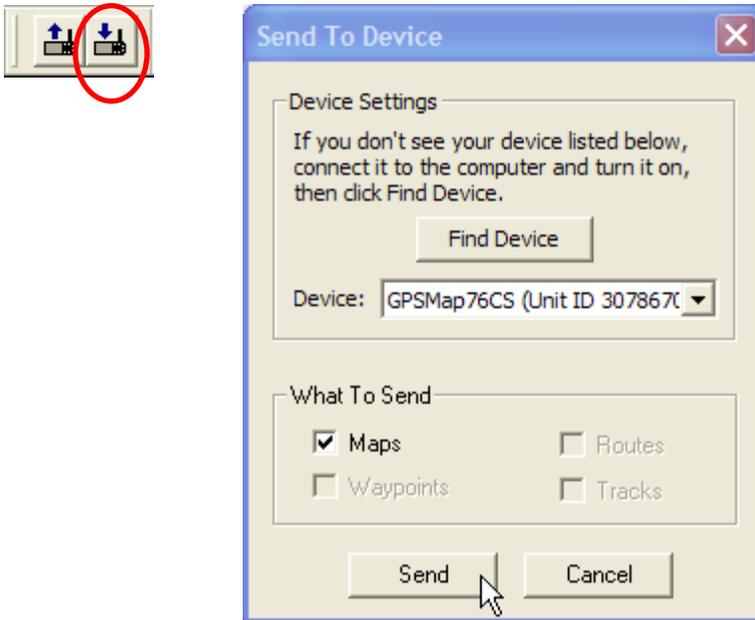
Step Four: Add Ownership...along with the maps you will want to add the transparent Ownership layer to your GPS. Go to the dropdown menu and select Western Ownership



Use the Map Tool to select Arizona



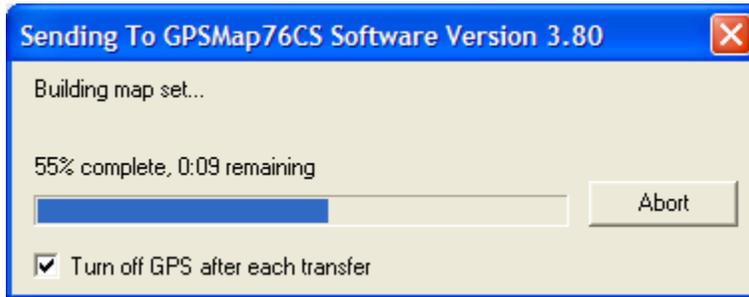
Step 4: Add maps to GPS. Connect your Garmin GPS unit to your computer and give your computer some time to recognize the new hardware. If for some reason it does not and ask you for a driver...all of the Garmin drivers are on Disk 1 "MapSource trip and waypoint manager 2.02" Then select the "Send to Device" button on the tool bar



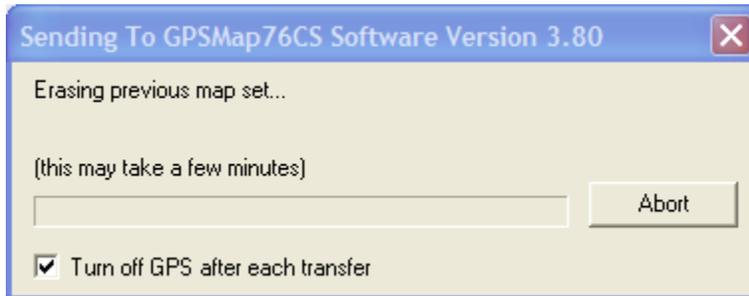
**if the MapSource software doesn't recognize your gps... there are a couple of things to check. First: make sure that your GPS is one and try again. Second: go to your GPS unit and get into the "Setup" Menu and then go to "Interface" and make sure that the option "GARMIN" is selected in the "i/o format" also called "Serial Data Format". Third: Try a restart on your computer...it could be a windows problem recognizing your GPS hardware. Fourth: If all of the above has failed and MapSource has still not found your GPS you may need to reinstall some drivers.
<http://www8.garmin.com/support/agree.jsp?id=591> go to the following website and agree to the terms of the download. And then choose to download and then choose to "RUN" once the download is complete close out of MapSource and open it up again and try again.

If everything went right in Step 4 you should see the following progression of screens:

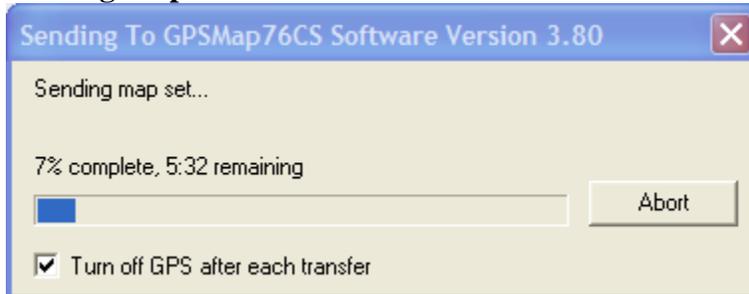
Building Map Set:



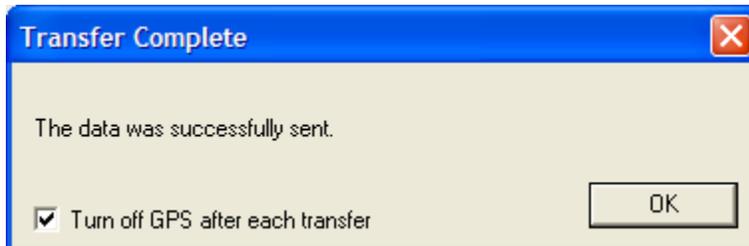
Erasing Previous Map Set:



Sending Map Set:



Transfer Complete:



And you are done!

Appendix I.

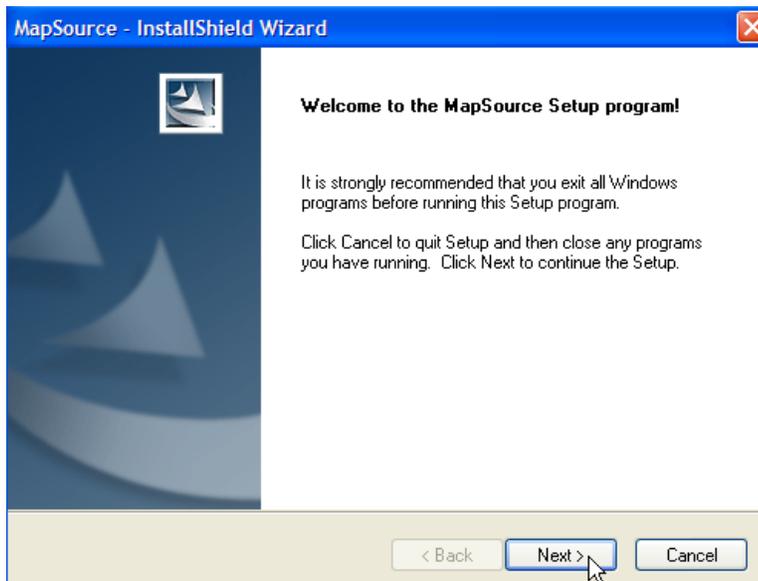
Step one: Close all other programs that are currently running so you are starting fresh and insert Disk 1 Labeled MapSource & Trip and Waypoint Manager 2.02...The following window should automatically come up and you should single right click on English.



Step two: The following window will come up and you should choose “Install Trip & Waypoint” by right clicking on that phrase.



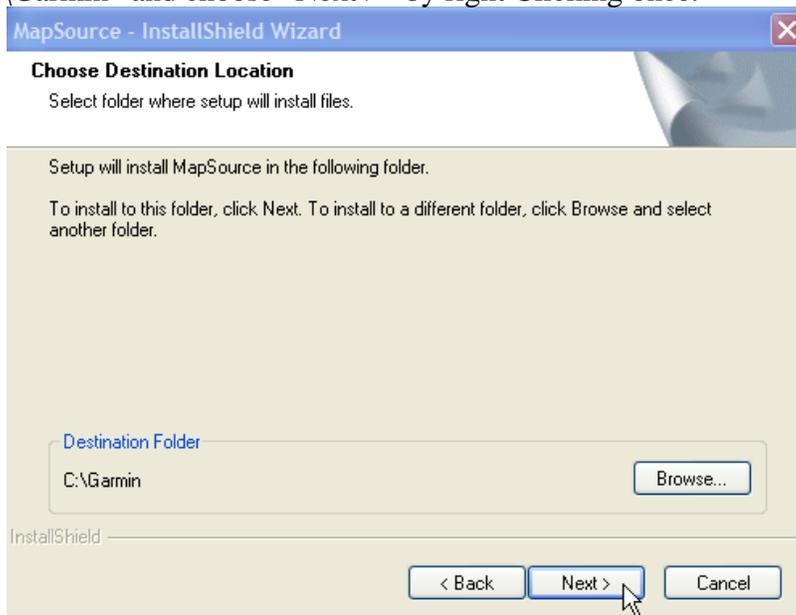
Step Three: The MapSoure-InstallShield Wizard starts and asks you to exit all Windows programs before running this setup program...this should have been done in step one but if anything is still running close it at this time and then select “Next >” by right clicking once.



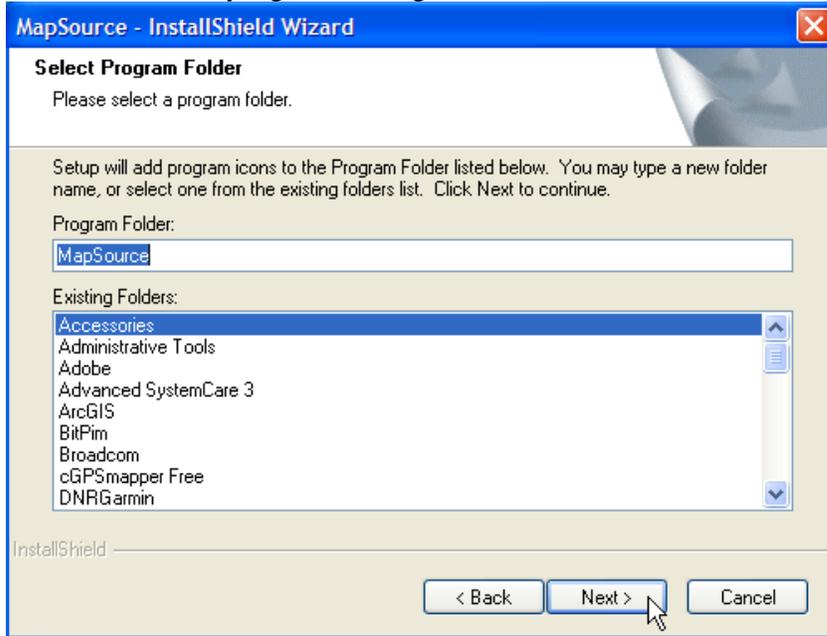
Step Four: The License Agreement...scroll to the bottom of the agreement to enable the yes button, careful reading the license agreement as you go. Once you have scrolled to the bottom of the License Agreement select “Yes” by right clicking once.



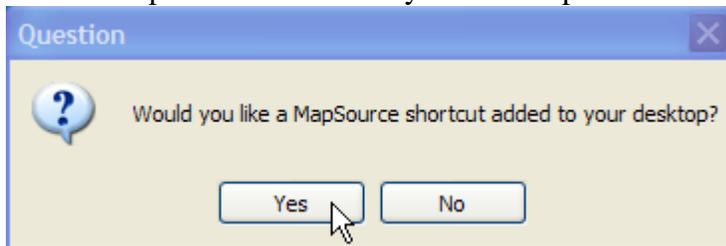
Step Five: Choose Destination Location...Keep the default destination folder “C:\Garmin” and choose “Next >” by right Clicking once.



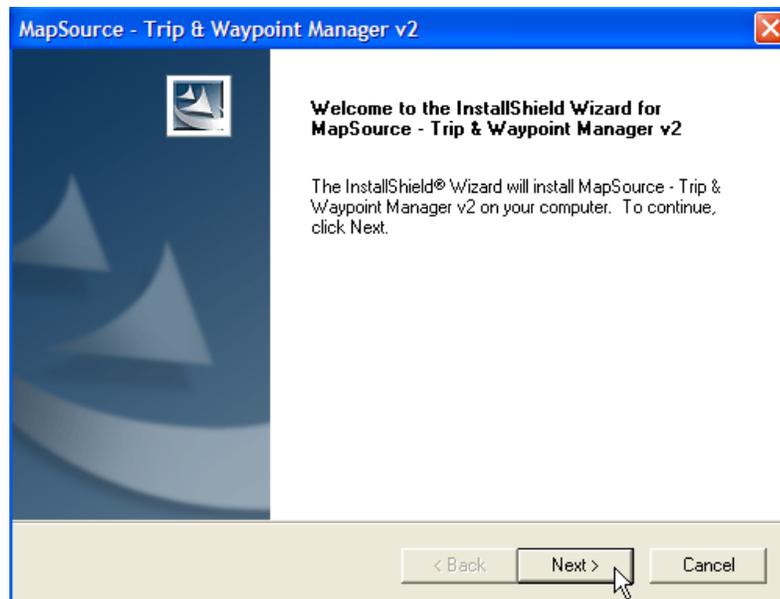
Step Six: Select program Folder...Keep the default program folder “MapSource” and just select “Next >” by right Clicking once.



Step Seven: Desktop Shortcut...the installshield wizard will now ask you if you want to add the MapSource shortcut to your desk top. Select “Yes” by right clicking once.



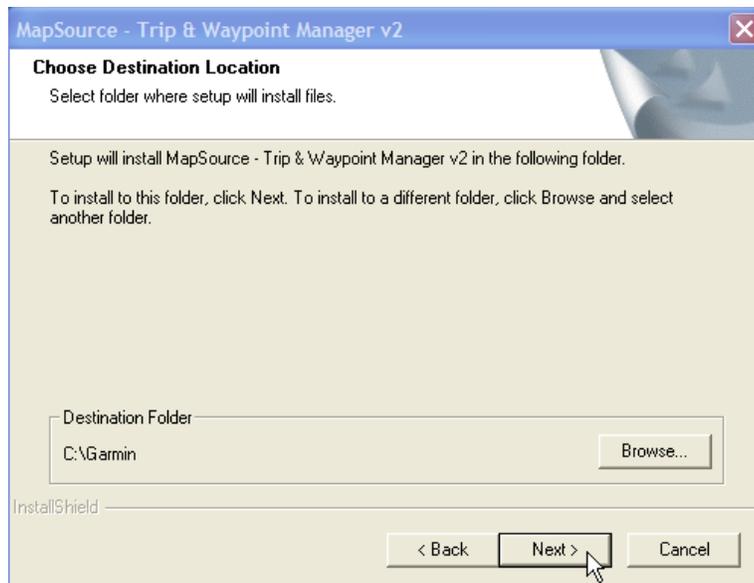
Step Eight: Actual Install...The installshield wizard will now ask if you really want to install MapSource- Trip & Waypoint Manager v2 on your computer. Select “Next >” by right clicking once.



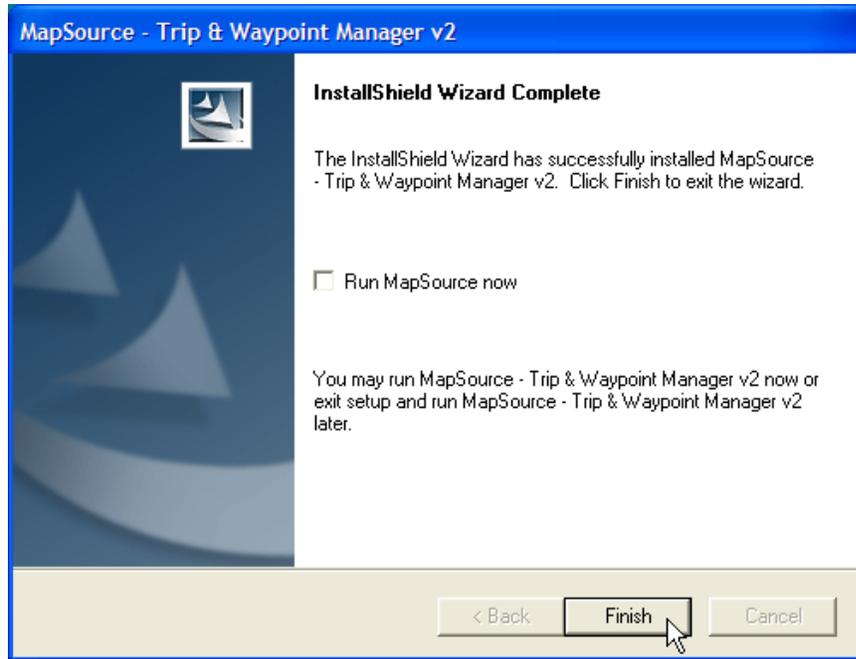
Step Nine: The License Agreement again...scroll to the bottom of the agreement to enable the yes button, careful reading the license agreement as you go. Once you have scrolled to the bottom of the License Agreement select “Yes” by right clicking once.



Step Ten: Choose Destination Location again...Keep the default destination folder “C:\Garmin” and choose “Next >” by right Clicking once.

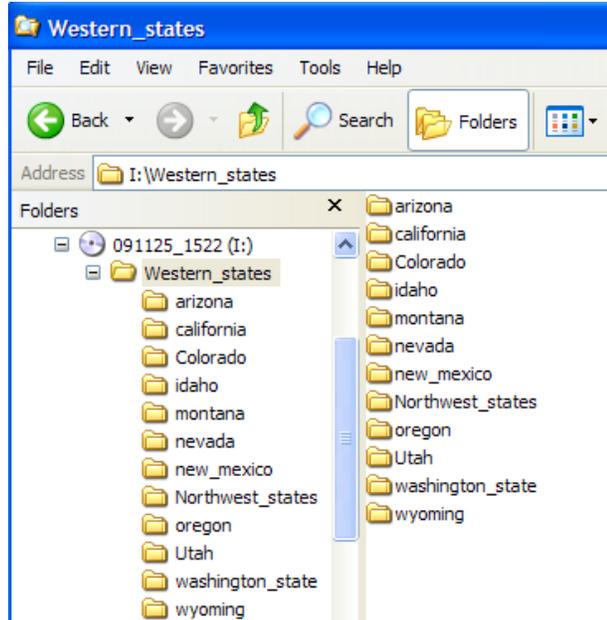


Step Eleven: Installation Complete....you did the first part.. Select “Finish” by right Clicking once. You can now exit and remove Disk 1 Labeled MapSourc & Trip and Waypoint Manager 2.02

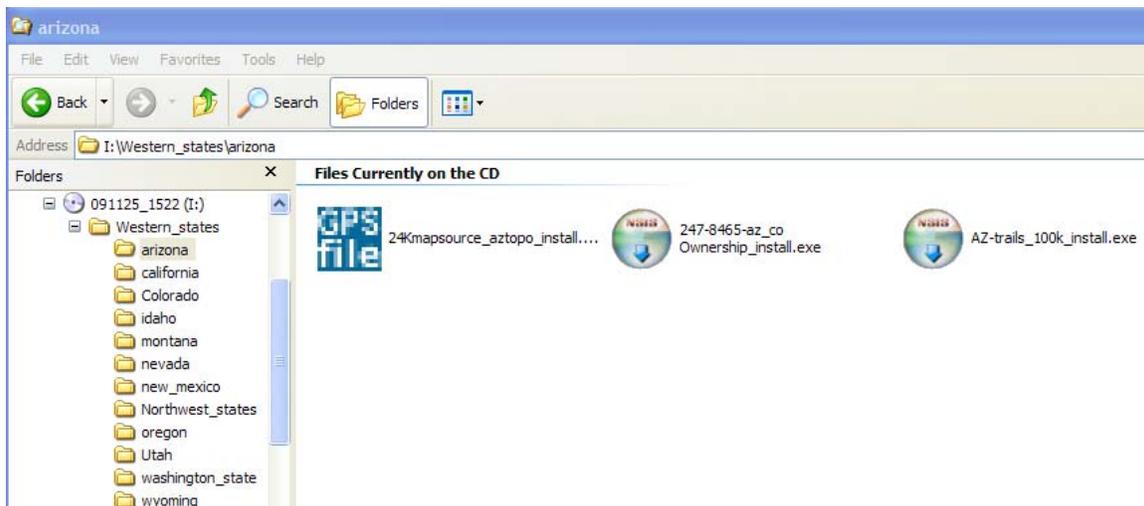


Step 12: Maps...a brief explanation. You have now installed the software (MapSource) that will allow you to communicate with your Garmin GPS. You can now download and upload waypoints, track files and routes...however this basic version that comes with your GPS unit does not include any maps (or at least not any maps with useful detail). Garmin would like you to pay \$70 to \$80 for an upgraded version on this same software so you can add maps to your GPS....or they would like to sell you MicroSD cards preloaded with maps for your area at \$75.21 each. Fortunately these same maps (1:100,000 resolution) and maps of much better quality (1:24,000 resolution) are available for FREE at <http://www.gpsfiledepot.com/> . We have worked with others to include a transparent Ownership layer for Arizona (up-to-date as of 8/4/2009). I have downloaded and saved to a DVD (Disk 2 “GPSFILEDEPOT.COM”) a selection of these maps (1:24,000 resolution) for the Western United States but if you wanted to download Maps to your GPS of Tajikistan or Uzbekistan or Florida they can be downloaded for free there. Each file is an individual program that you have to install once and then the maps will show up in the MapSource program that you just installed. Phase 2 will cover the process of selecting these maps and saving them to your GPS. Steps 13- will cover the installation of the 1:24,000 resolution maps of Arizona and the transparent Ownership that includes Arizona. Other states will be exactly the same.

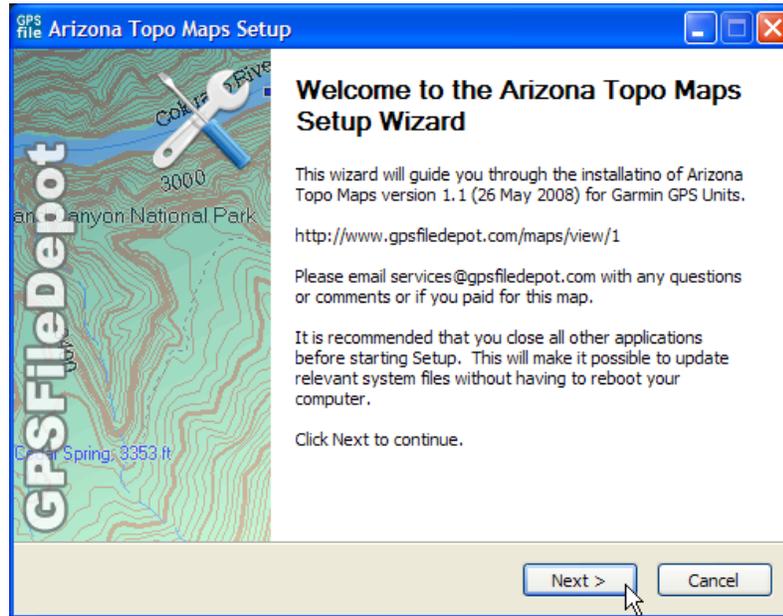
Step 13: Installing 1:24,000 resolution maps of Arizona into MapSource Software (not into GPS yet (occurs in Phase2)). Insert Disk 2 “GPSFILEDEPOT.COM” into a DVD drive. A window should automatically come up showing that the disk contains a folder called “Western_states”. If it doesn’t automatically come up go to “my Computer” and select your DVD drive. Double right click on the “Western_states” folder to expand it and see its contents.



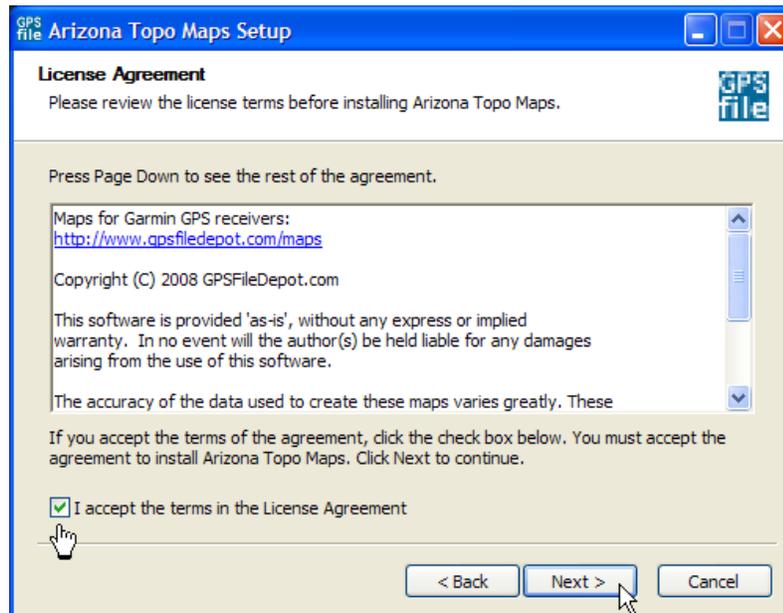
Step 14: Arizona Maps. Double right click on “arizona” to see its contents. There are three executable (.exe) files there: 24Kmapsouce_aztopo_install.exe, 247-8465-az_co Ownership_install.exe and AZ-trails_100k_install.exe. these are the 1:24,000 resolution maps (same as 7 ½ minute Quads) for the entire state of Arizona, a Transparent Ownership map for both Arizona and Colorado, and a map of all of the trails that appear on 1:100,000 resolution maps in the state.



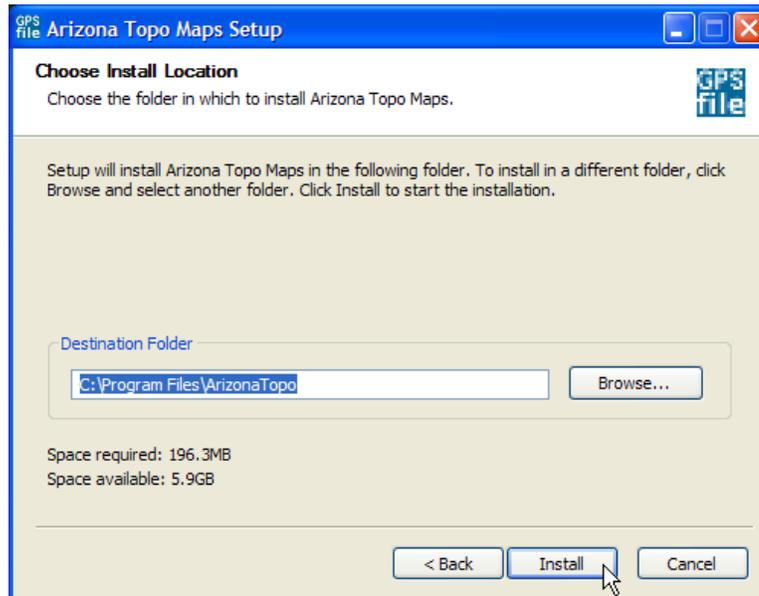
Step 15: Double right click on “24Kmapsource_aztopo_install.exe” to begin the install process. When the setup wizard screen below come up select “Next >” by right clicking once.



Step 16: License Agreement... When the Arizona Topo Maps Setup comes up check the box “I accept the terms in the License Agreement” and select “Next >” by right clicking once.



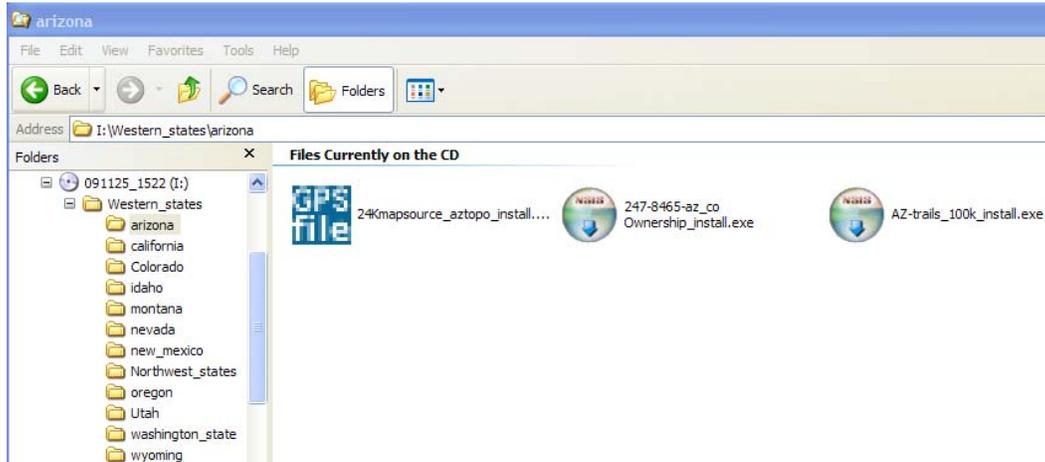
Step 17: Choose Install Location...accept the default location “C:\Program Files\ArizonaTopo” to install the 1:24,000 resolution maps for Arizona by right clicking once on “Install”



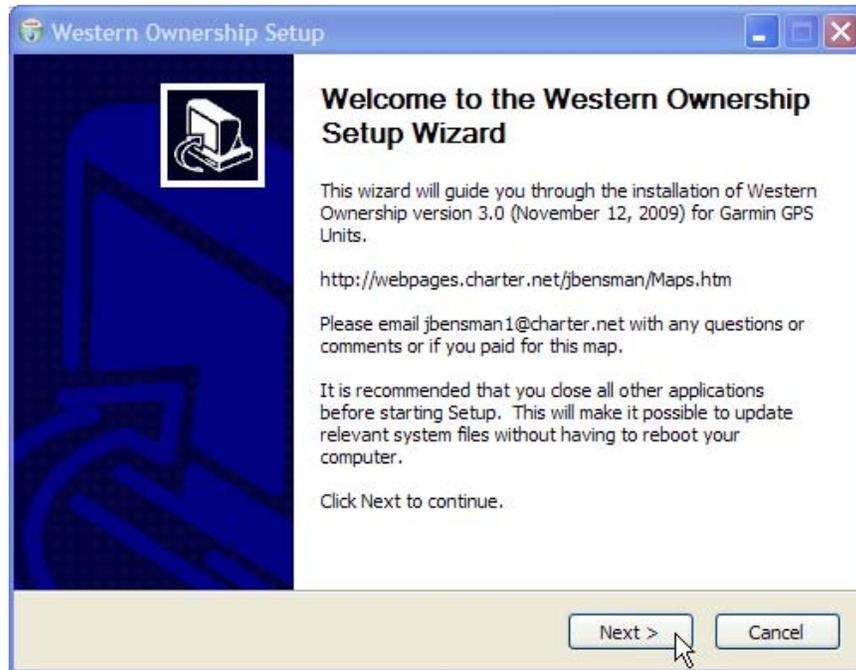
Step 18: Finish...Click Finish to complete the install and to close the install wizard interface.



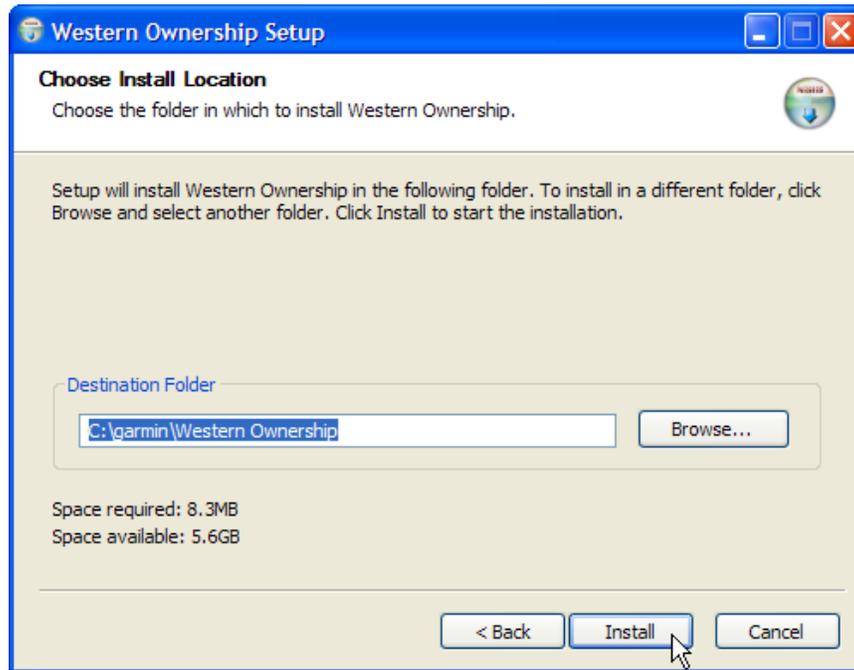
Step 19: Install transparent Ownership maps by double right clicking on “247-8465-az_co Ownership_install.exe



Step 20: Western Ownership Setup Wizard Select “Next >” to install the western Ownership



Step 21: Choose Install Location... accept the default destination (C:\garmin\Western Ownership) to install the software and single right click on "Install"



Step 22: Finish and Close the Wizard by right clicking on Finish..(a readme file opens up with some information about how the maps were created...close it and continue)



Done: You have now installed everything you need to install 1:24,000 resolution maps and Ownership on to any Garmin GPS (that accepts maps). The installation process for any of the other state maps is very similar and the .exe files can be found at www.gpsfiledepot.com