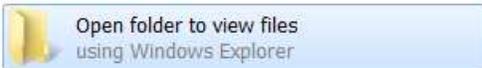


Office Procedures for Montana Units

To Access Owner's Manual

You must have internet connection to download this. Plug up machine, open Garmin up to view files

General options



. Open Garmin / Documents and double-click Start Here.xml.

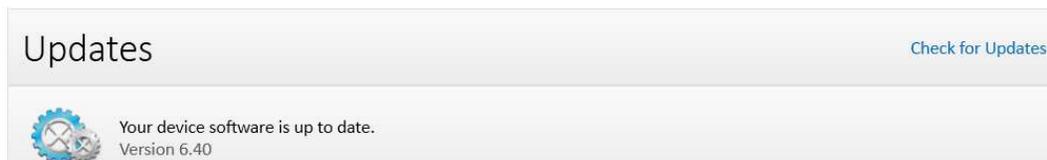
You can now save this to your PC for future reference. **Users should read this at least once.**

To Update Garmin Software:

First Time Instructions - If you want to update your maps / software, go to the Garmin website (<http://www.garmin.com/en-US>) Plug up the machine and download / install Garmin Express.



After the initial install, you simply open GarminExpress and it will skip to the screen below)



Updating Available State Maps:

Do not lose your CD with city navigator on it. Keep it in the box provided. These Montana units only work with the exact CD provided, they are tied together.

To install the software – (skip this if you have already done it) Put in the CD and run through the wizard.

Install or run program from your media



Garmin City Navigator North America NT 2015

Please wait while City Navigator North America NT 2015 installs. This may take a few minutes.



Device Information

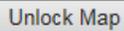
A web link will open. You must “Find Device”  and then enter the correct codes.

Unit ID:

Device Serial Number:

Product Key/Coupon Code:

The unit ID will auto populate, the Device Serial Number is found on your box or under the battery cover and the Product key is in green in the cd case.



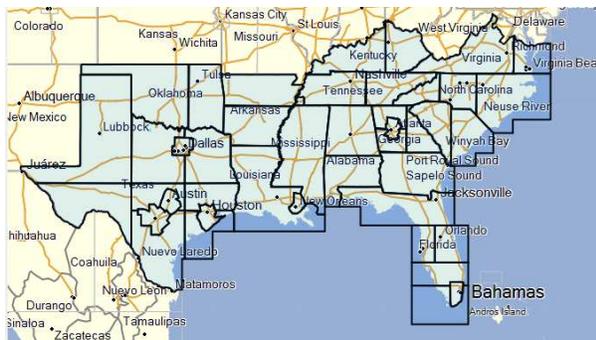
(Or “Retrieve” if already done once) then when you answer “no” you will see

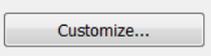
Successfully unlocked map(s) for device. Everything in this section is a one time install and should only be done once.

To change automotive maps - “Garmin Map Install” is now on your PC and you can add or remove street maps for automotive navigation from there. From the “Start” menu choose “All Programs”, navigate to the “Gamin” folder and find “Garmin Map Install”.



I put TX to FL up to KY and VA on your machines





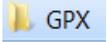


To add or remove available maps, then ...from here left-click an area to select an area to add, right=click an area to remove. Then hit continue, then install.

To Get files off the Montana

Plug up machine to a PC with the USB cable provided.

To get photos off, open the file folder to  DCIM . Your photos will be here and can drag and drop to the PC.

To get all other files off such as waypoints or tracks, open the Garmin folder  and then the GPX folder  . These files will be copied to the PC and can be used in DNR Garmin to make shapefiles if needed, or can be brought directly into some other mapping programs.

Once the .gpx files are on the PC, open DNR Garmin > Load From > File > Change files type to .gpx > Click open > Define what type feature it is (Track or waypoint) > It should load...choose File > Save to > File > Save as type ArcView Shapefile Projected > Name, set location and save. **You now have a shapefile to pull into ArcMap.**

Field Use Instructions

Each unit should create 2 permanent waypoints one called “Home” and the other “Truck” where home will be the office you work out of and truck can be moved as needed in the field.

Profiles

Profiles are sets of icons and screen settings set up to act a certain way. The two main profiles on the Montana units are recreational and automotive. Automotive profile will turn on automatically whenever the unit is placed in the cradle provided. This is the profile it must be on to get turn by turn directions through the city navigator software that was installed. The recreational profile is what you will use to navigate to a waypoint on foot or for collecting data such as acres of a fire. Each profile has been set up specifically for the functions and situations usually encountered during daily use.

Recreational Profile Settings and Functions

Power button

A single tap of the power button will open the Camera app. Double tap to open the status screen that allows adjustment of the backlight, and quick check of time, battery power and satellite signal.

Map Icon

Allows you to view and move the installed map. Depending on what is visible, you can see waypoints, tracks, photos you have taken, roads and other items here.

Where To Icon

This allows the user to choose from a list of things to navigate straight line distance to. It is most useful in this profile for navigating by foot to certain waypoints.

Area Calculation Icon

This function actually uses a track feature to calculate the area and as such is not a true polygon.

Press start > double tap the power button and lock the screen in the bottom right corner > when done double tap the power button and unlock the screen > tap calculate > get your acres > If you need to save the track to use back at the office for mapping purposes, press "Save Track" and name the track.

Important: After completing an area calculation or a track, go to the track manager icon > current track > clear current track

Important: If you screw up in the middle of an area calculation and it needs to restart, save all segments of tracks around whatever area you are mapping and it can be fixed at the office. In this case do not clear the current track!!!

Compass Icon

- Tap to use
- Calibrate compass outdoors after ambient temp has been reached or as needed
- Choose "Compass" > Menu Button at bottom > Calibrate and then follow instructions

Mark Waypoint Icon

- This saves a point that can be navigated to or used to bring into a PC mapping system
- To save a waypoint choose
 - "Mark Waypoint" > Edit > From here you can change the name, icon or edit the location to a set of coordinates you want a waypoint at > Save
- To navigate to a waypoint choose "Where to" > Waypoints > Choose waypoint to navigate to and press go
- To edit or move an existing waypoint choose "Waypoint Manager" > Choose the waypoint to edit > Here you can edit the name or manually edit the location or icon > save
 - If you choose menu button at the bottom > You have many options

- To move your position of a waypoint (example “Truck”) to wherever you currently are, scroll down to “reposition here”...you have now moved that waypoint to your current location.
- For better accuracy you can also average a waypoint through this menu...if you did not go through the averaging waypoint icon from the main screen menu at the bottom.

Track Log On Icon

This turns on the track log function and begins recording wherever you walk. The main use is for line features such as a road or trail.

Track Log Off Icon

This turns the track log off. Nothing is saved when the log is turned off, it simply is no longer recording where you are walking.

Track Manger Icon

This allows you to view, archive or delete saved tracks among other things. This list should be kept limited and cleaned out on a regular basis.

- To view the current track choose View Map
- To save what you have in red lines, choose Save
- To clear the current track choose Current Track > Clear Current Track
- For saved tracks, you can choose to see them on the map screen or not...this is done by choosing either Show or Hide on map

Waypoint Manager Icon

This allows you do the same edit, save and delete functions of any saved waypoints you have.

Automotive Profile

This profile will turn on automatically when placed in the provided cradle and is useful for turn-by-turn directions to a designated point.

Power button

A single tap of the power button will mark a waypoint. Double tap to open the status screen that allows adjustment of the backlight, volume and quick check of time, battery power and satellite signal.

Where To Icon

This contains a large list of options that allow you to search for and navigate to statewide and beyond.

Home Icon

Once a waypoint named "Home" is created, this shortcut will always take you back there. This should be your work center.

Extras Icon

This shortcut contains all MFC office locations and Fuelman locations. These lists are not updated automatically and will require updates as needed or requested.

Quick Reference for Field Use

To map acres and perimeter of a fire or timber stand:

Recreational profile is automatically activated when you remove your Montana from the cradle – Area Calculation > Start > Lock Screen (Double tap power and lock at bottom) > walk perimeter > Unlock Screen > Calculate > Save (or not)

To map a line or track:

Track Manager > Current Track > Clear Current Track > Go back to main screen > Track Log On > Walk the line > Track Log Off > Track Manager > Current Track > Save and name

Save a waypoint

Mark Waypoint > Edit > Save or single tap of power button in automotive profile.

Navigate

Where to? > Choose waypoint , address, coordinates or other location > Go

In Automotive mode will have turn-by-turn and also can choose “extras” or “home” option.

Camera

Single tap of power button in recreation profile

Battery

The Montana uses a rechargeable lithium ion battery. The automotive cradle will charge as you travel assuming that you stay plugged into the power point on your dash. If the Li-ion battery goes down, the unit also accepts 3 AA batteries. Take extras with you in the woods.