Sending Maps to Your

Earthmate® GPS PN-20

Use this guide to learn how to send Topo USA maps and/or Aerial Data Packet imagery to your Earthmate GPS PN-20.

> **Important**: If you did not enable the Earthmate GPS PN-20 exchange features during the Topo USA installation, select the **Enable Earthmate GPS PN-20 Exchange Features** option in the Topo USA 6.0 Help menu to use Topo USA to send/receive maps, waypoints, tracks, and routes to/from your Earthmate GPS PN-20.

Sending Topo USA Maps to Your Device

You can use Topo USA 6.0 to send two types of map packages to your Earthmate GPS PN-20.

- **Regional Map Packages** are multi-state regions of Topo USA 6.0 data that provide much greater detail (.25-mile scale and up, more roads, better routing connectivity, etc.) than the base map on the device. If you plan on creating routes on your device, you must send the regional map of the area where you'll be routing to the Earthmate GPS PN-20.
- **Custom Map Packages** provide the most map detail, can cover any location in the U.S., and can include aerial/satellite imagery, Topo USA data, or USGS Quad data (depending on the data that is available for the export area and the preferences made in the Handheld Options settings).

Follow steps 1-3 below if you want to create a custom map package to send to your Earthmate GPS PN-20. If you want to send a regional map package to the device, proceed to step 3.

> **Important**: If you already own Topo USA 6.0, be sure to uninstall it and use the version included in this package as it has been updated to work with the Earthmate GPS PN-20.

Step 1 — Find the location you want to include in your map

In Topo USA, center the map on the area you want to include in your map. You can find your location of interest using the Find tab search functionality, the Search feature in the Handheld Export tab, or by panning the map.

Note: To find your area of interest with the Handheld Export tab, type the location in the Search text box. The list below will automatically populate with the closest match. Click the desired location in the scroll list and then click ⊞ Preview to see it on the map. The default export area for that location will display on the map as highlighted rectangles.

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Step 2 — Create a map package

    a. Click the Handheld Export tab (if it is not already selected).

    b. If you did not use the Handheld Export tab to search for the location you want to include in your map, click ⊞ Preview. The default export area for that location displays as highlighted rectangles on the map.

    c. Click ⊞ Select All to select the default export area for your current map center or click ⊞ Select to click the map and add/remove rectangles to/from the export area.
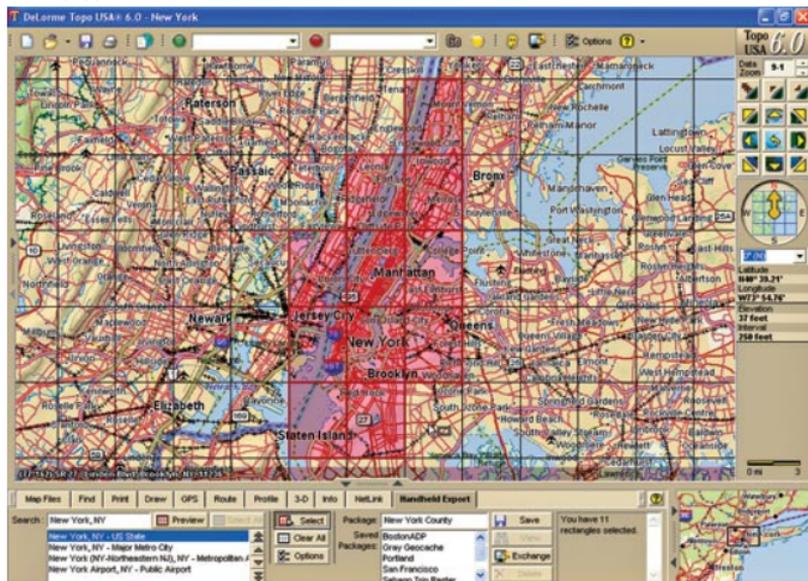
    d. First time users only: Connect your Earthmate GPS PN-20 to your computer. This will activate the device within Topo USA 6.0 (when the map is saved).

    e. Once you have selected the desired coverage area, type a name for your map package in the Package text box and then click 💾 Save. A progress bar indicates the map package creation status.

Note: All of the map packages you have created are available in the Saved Packages scroll list in the Handheld Export tab.

Step 3 — Use the Earthmate GPS PN-20 Exchange dialog box to send the map package to your device

    a. Ensure your Earthmate GPS PN-20 is connected to your computer and powered on.

    b. Click 🔁 Exchange in the Handheld Export tab. The Earthmate GPS PN-20 Exchange dialog box displays.

    c. To save the map package in internal memory or on an SD card that is in the device: Select **Earthmate GPS PN-20** from the drop-down list in the upper-right corner of the dialog box.

       OR

To save the map package on an SD card with an SD card reader: Insert your SD card into your SD card reader and then connect it to a USB port on your computer. Using the drop-down list in the upper-right corner of the Exchange dialog box, select the removable disk option that represents your SD card reader.

Note: Saving maps on an SD card with an SD card reader is the fastest method for saving maps to use on the device.

Note: If the Exchange dialog box does not look like the picture above, click **Enable Earthmate GPS PN-20 Exchange Features** in the Topo USA 6.0 Help menu to activate your device.

d. If you are sending a custom map package, under Topo USA 6.0 (on the left side of the dialog box) click the plus sign next to **Saved Map Packages**. All of the available map packages display in the tree view.

OR

If you are sending a regional map package, under Topo USA 6.0 click the plus sign next to **Regional Map Packages**. All of the available regions display.

e. Click to highlight the desired map package.

f. If you are saving the map package to internal memory, under Earthmate GPS PN-20 click to select the **Internal** option under Map Packages.

OR

If you are saving the map package to an SD card within the device, under Earthmate GPS PN-20 click to select the **External** option under Map Packages.

OR

If you are saving the map package on an SD card with an SD card reader, proceed to step 3g.

g. Click **Send**. The map package is sent to the device (a progress bar indicates the copy status).

h. Click **Done**.

Sending Aerial Data Packets (ADPs) to Your Device

Note: While it is faster to access maps that have been saved to internal memory, the quickest way to transfer maps to device is to copy the map files to an SD card with an SD card reader.

Step 1 — Download an ADP with the NetLink tab

Your purchase of Topo USA 6.0 entitles you to 400 square kilometers of free ADPs (containing aerial, satellite, and USGS quad data) that can be viewed in Topo USA as well as your Earthmate GPS PN-20. ADPs are downloaded with the NetLink tab in Topo USA.

   a. Open Topo USA 6.0, click the **NetLink** tab, and then click the **Datasets** subtab.

   b. Center the map on the location that you want to include in your customized dataset.

   c. Select **Aerial Data Packet** from the Datasets drop-down list.

   d. Select **Download** from the Delivery Method drop-down list.

   e. Adjust the data zoom level of your map to 11-0 or greater.

   f. Click the **Select** tool. Drag your cursor over multiple map rectangles or click each individual map rectangle that you want to include in your customized map dataset.
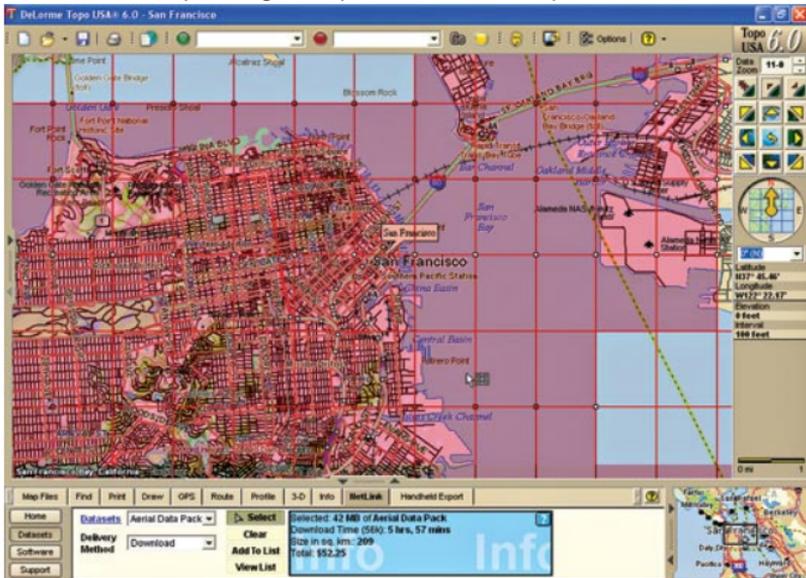
   g. Click **Add to List** to add your customized dataset selections to your selection list.

   h. Name your selection when prompted and click **OK**.

   i. Verify your order information and then type the certificate number found on the "Getting Your Free Aerial Data Packets" card included with your Topo USA software. Then, click **Add Certificate**.

   j. Click **Checkout**.

   k. A message will display in Topo USA when the data is available for download. When prompted, download the data.

Step 2 — Modify your Handheld Export preferences

Before you use the Handheld Export tab to create your ADP map package, ensure the Handheld Export preferences are set to include the datasets and zoom levels you want to include in your map package. To do so, click 🔧 Options in the software's top toolbar and then click the Handheld tab. The Handheld Options display.
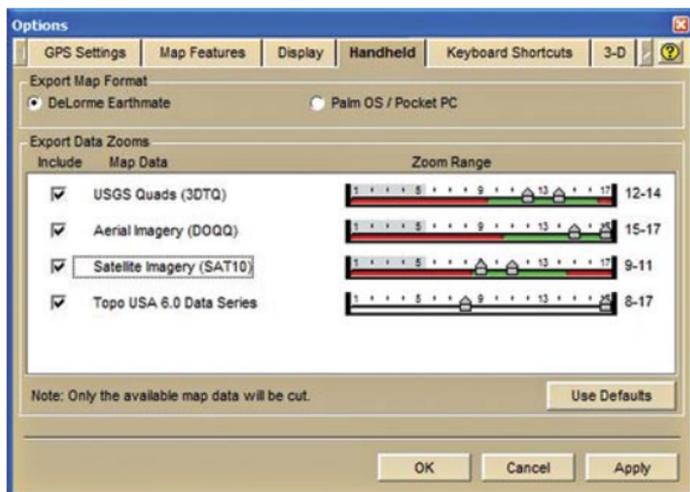
Select the check boxes next to the data types you want to include in your ADP map package (all data types are selected by default). If you would like to modify the default data zoom levels, drag the slider controls so that they encompass the desired data zoom levels.

Step 3 —Create a map package that includes the ADP data

If the map is not already centered on the ADP area, click the Map Data tab, click the plus sign next to ADP, and then double-click the ADP you want to send to your Earthmate GPS PN-20.

Then, use the Handheld Export tab to create a custom map package of that area. For more information on using the Handheld Export tab, see step 2 in the *Sending Topo USA Maps to Your Device* section.

Step 4 — Save the map package on an SD card

Because ADP data contains raster imagery, map packages that contain ADP data will have very large file sizes. As a result, it is recommended that ADP map packages be saved to external memory (on an SD card no larger than 2 GB). In order to store maps on an SD card, a Maps folder must be created on the card. This folder is created automatically the first time you power the Earthmate GPS PN-20 with the SD card in the device or when the Exchange dialog box is used to transfer data to an SD card reader.

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You can also create and send maps to your Earthmate GPS PN-20 using the Earthmate GPS PN-20 Online Map Center at data.delorme.com.

a. Insert your SD card into your SD card reader.

b. Ensure your SD card reader is connected to your computer.

c. Click 🔲 Exchange in the Handheld Export tab. The Earthmate GPS PN-20 Exchange dialog box displays.

d. Under Topo USA 6.0 (on the left side of the dialog box), click the plus sign next to **Saved Map Packages**. All of the available map packages display in the tree view.

e. Click to highlight the desired map package.

f. Using the drop-down list in the upper-right corner of the Exchange dialog box, select the **Removable Disk** drive for your SD card reader.

g. Click **Send**. The map package is sent to the SD card reader.

h. Click **Done**.

i. Insert the SD card in your Earthmate GPS PN-20 by removing the battery cover, removing the batteries, and then flipping up the SD card holder within the battery compartment. The device will automatically detect the maps on the SD card once the device is powered on.