

Earthmate PN-Series GPS Receivers with XMap 7

Extending the reach of your GIS with the latest handheld GPS technology

For over 30 years, the DeLorme name has been synonymous with both superior quality maps and innovative spatial technology. These paths have converged in the PN-Series handheld GPS receivers resulting in a set of truly unique and feature-laden devices that are an ideal mobile complement to DeLorme's XMap professional mapping and GIS software. The PN-40, PN-60, and PN-60w each offer a full array of GPS and mobile mapping functionality including on-device route creation, road and backcountry navigation, waypoint and track recording, and much more.

Supported Map Data Formats

Virtually any map or data layer created by, or imported into XMap can be copied and transferred to any of the PN-Series devices for use in the field. Supported data formats include:

- Shapefiles, CAD files, and other vector data layers imported into XMap's Openspace format
- Seamless USGS 1:24,000 quad sheets and NOAA navigational charts
- XMap North American Topographic maps combining contours with updated roads and streets
- Satellite and aerial imagery downloaded through XMap's NetLink tool
- Third party imagery and other raster layers in MrSID and GeoTIFF format
- Images and map layers created using XMap's image registration process



XMap Forms for Field Data Collection

Administered using the GIS Enterprise edition of XMap 7, XMap Forms offers a user-friendly and efficient data collection system for the PN-Series devices. Utilizing user-defined dropdown lists, check boxes, and freeform text entry, GIS points and any accompanying attributes recorded or edited in the field are easily transferred into an XMap GIS Enterprise database.

Stay Connected using the PN60w with SPOT Communicator

The Earthmate PN-60w integrates wireless communication into the core GPS functionality. This wireless function is designed to work in conjunction with a SPOT Satellite Communicator to transmit location information, send text messages, or to summon emergency assistance when cellular coverage is not available.

Powerful enough to meet the demands of today's mobile workforce, flexible enough to be equally at home in your vehicle or in the wilderness, intuitive enough to be easily learned by anyone, and affordable enough to fit the budget constraints of any company, agency or organization, the Earthmate PN-Series GPS receivers combined with XMap are the ideal mapping, GIS, and GPS solution for a wide variety of mobile professionals:

- Emergency responders
- Field technicians
- Utility crews
- Natural resource managers
- Law enforcement officials
- Civil engineers
- Land developers

For a detailed comparison of the PN-40 and PN-60 and PN60w, see overleaf.

PN-Series Comparison Table

Features and Functions	PN-60w/Spot Communicator	PN-60	PN-40
SPOT Satellite Communicator included	✓		
Type & Send one-way text messages to home office, work colleagues, or project managers from virtually anywhere	✓		
GPS Features			
Icon-based user interface	✓	✓	
Button-lock to prevent accidental device input	✓	✓	
Optimized power management	✓	✓	
Elevation profile for terrain analysis	✓	✓	
In the field area calculation	✓	✓	
On-road or off-road route planning and navigation	✓	✓	✓
WAAS enabled for positional accuracy	✓	✓	✓
GIS Features			
View point, line or polygon GIS layers on the device	✓	✓	✓
Use the Find function to locate objects in a layer	✓	✓	✓
Collect or edit point data using XMap Forms	✓	✓	✓
Turn off or on layers as needed	✓	✓	✓
View maps generated in ESRI software (with ESRI Extension)	✓	✓	✓
Map and Data Options			
Worldwide DigitalGlobe imagery (subscription required)	✓	✓	
U.S. and Canada topographic maps	✓	✓	✓
Unlimited USGS quad maps, Canadian topographic maps, U.S. aerial imagery, and more (subscription required)	✓	✓	✓
Third party imagery display (MrSID, GeoTIFF)	✓	✓	✓
Memory and File Management			
Available internal flash memory	3.5 GB	3.5 GB	500 MB
Support for high-capacity SD cards up to 32 GB	✓	✓	✓
Internal waypoint capacity	1500	1500	1000
Internal track capacity	Unlimited	Unlimited	10
Save unlimited waypoints and tracks in GPX format	✓	✓	
Battery Performance (typical usage)			
Li-Ion rechargeable battery (available from DeLorme)	13 hrs	13 hrs	10 hrs
Lithium batteries (included with PN-60 and PN-60w)	24 hrs	29 hrs	18 hrs
Alkaline AA batteries (included with PN-40)	19 hrs	20 hrs	9 hrs
Device Specifications			
Device color	Black	Red	Orange
SDRAM latest generation processing capabilities	✓	✓	
32-Channel STMicroelectronics GPS chipset, dual-core processor	✓	✓	✓
Barometric altimeter and 3-axis electronic compass	✓	✓	✓
65K-color daylight-readable transreflective TFT screen	✓	✓	✓