# About the GeoExplorer 6000 series handheld

The GeoExplorer 6000 series includes the GeoXH™ and GeoXT™ handhelds. These handhelds combine a Trimble GNSS receiver with a field computer powered by Microsoft Windows Mobile version 6.5 operating system.

The GeoExplorer 6000 series handheld has built-in Bluetooth® wireless technology for cable-free connection to other devices, and Wi-Fi connectivity for connections to networks. In addition, some GeoExplorer 6000 series handheld editions are equipped with a wireless cellular modem for downloading and transmitting data over the Internet.

The GeoXT handheld uses EVEREST™ multipath rejection technology to provide submeter accuracy. The GeoXH handheld uses both EVEREST and H-Star™ technology to provide decimeter (10 cm) accuracy, either in real time or after postprocessing. In addition, both the GeoXH and GeoXT handhelds are compatible with Trimble Floodlight™ satellite shadow reduction technology for improved productivity in conditions where sky view is obstructed by buildings, trees, or landscape features. For more information, see Chapter 5, Using the GNSS Receiver.



## Supported GNSS field software

To collect GNSS data with the GeoExplorer 6000 series handheld, you must install GNSS field software onto the handheld. You can use the GeoExplorer 6000 series handheld with the following GNSS field software:

- Trimble TerraSync<sup>™</sup> software, for configuring real-time differential correction options and for productive GIS data collection and maintenance.
- The Trimble GPScorrect<sup>™</sup> extension for Esri ArcPad software, for configuring real-time differential correction options and for productive GIS data collection and maintenance.
- Trimble GPS Controller software, for configuring real-time differential correction options and NMEA output settings.
- Other GNSS field software that accepts NMEA messages. To use NMEA Output messages, you must purchase and activate the NMEA output option. See Activating the Floodlight technology and the NMEA output options, page 74

For more information, see Chapter 5, Using the GNSS Receiver.

# **Trimble Geoexplorer 6000 Manual**

Katrin Zwirglmaier

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The GPS Manual Steve Dye, Frank Baylin, 1997 GPS Pathfinder Systems Receiver Manual Trimble Navigation
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