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## Trimble Ranger Handheld: Connecting to a GPS Receiver Using Bluetooth Wireless Technology

### Summary

The Trimble® Ranger™ handheld can connect to a Bluetooth-enabled GPS receiver, such as a GPS Pathfinder® Pro series or Trimble Survey R8/5800 receiver, using Bluetooth® wireless technology. This Support Note explains how to establish a Bluetooth wireless connection between one of these receivers and the Trimble Ranger handheld.

For more information about using the Trimble Ranger handheld's Bluetooth functionality, refer to your *Trimble Ranger Handheld Getting Started Guide*.

### Connecting the handheld to the GPS receiver

To connect the Trimble Ranger handheld to a Bluetooth-enabled GPS receiver:

1. On the handheld, turn on the Bluetooth radio:
  - a. Tap *Start / Settings / Connections*.
  - b. Tap the Bluetooth icon. The Bluetooth control appears.
  - c. Select the *Turn on Bluetooth* checkbox.

**Tip:** If you want other devices to be able to scan for the handheld, select the *Make this device discoverable to other devices* checkbox.

2. Scan for other Bluetooth-enabled devices:
  - a. Tap the *Devices* tab.
  - b. Tap *New* to add a new device.
  - c. From the list of available devices, select the device you want to add and then tap **Next**.
  - d. If you do not wish to enter a passkey, tap **Next**, otherwise enter a passkey and then tap **Next**.

**Tip:** By default, a passkey is not necessary when connecting to any Trimble receiver.

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- e. Tap **Finish**.
- 3. Configure the connection to the GPS receiver and then make the connection:
  - a. Make sure the GPS receiver is selected in the list of devices and then select the *COM Ports* tab.
  - b. Tap *New Outgoing Port*.
  - c. Select the device you want to add and then tap **Next**.
  - d. Select the COM port you want to use for the connection from the dropdown list.
  - e. Clear the *Secure Connection* checkbox.
  - f. Tap the **OK** icon in the Navigation bar at the top of the screen.
  - g. In the COM Ports screen, verify the COM Port assignments are correct and tap **OK**.
- 4. Configure the field software (for example, TerraSync™ software) to connect to the selected GPS receiver.
  - a. Start the field software (for example, TerraSync).
  - b. From the dropdown menu, select the *Setup* section.
  - c. Tap *GPS settings*.
  - d. From the *GPS Receiver Port* dropdown list, select the receiver you want to connect to.
  - e. Tap **OK**.

The connection symbol appears in the status bar while the connection is made.

When the connection is successful, the satellite icon appears in the status bar.

You need at least four satellites to obtain GPS positions from the receiver.