How to Connect the XGPS150 with Microsoft Surface Tablets (RT & Pro)

This document contains instructions on how to connect the Dual GPS products (model XGPS150 and XGPS170) with the first generation Microsoft Surface RT and Surface Pro tablets. (These instructions also apply to Windows 8 users.)

It is not necessary to download any special Windows drivers before installing one of the Dual GPS products.

There are two main steps to installation: **pairing** and **assigning a COM port**. The whole process will take 5-10 minutes.

**Pairing**

First, make sure the mode switch on the GPS device is in the “Other” position, and the GPS is turned on. The blue Bluetooth light should be flashing on the GPS.

Now, on the tablet, begin at the home screen:
Step 1: Open the Charms bar and select “Settings”.

Step 2: Select “Change PC settings” at the bottom of the menu.
Step 3: Select “Devices” in the list of items in the left menu. Then tap “Add a device” on the right.

Step 4: The tablet will open a window showing the available Bluetooth devices. Within 15 to 20 seconds, the GPS will appear in the list of devices as “Other”. Tap “Other”.
Step 5: After tapping the device name, the tablet will show a progress bar as it install the GPS. When installation is complete, the tablet will show the GPS in the list of available devices. It will be listed by the device model number followed by a six digit serial number, e.g. XGPS150-2AF364.

Pairing is now complete, and you’re ready to continue with the second part of setup.

IMPORTANT NOTE: At this point, the blue light on the GPS will continue to flash and the tablet will show the GPS status as “Offline.” This is normal. Windows does not activate the connection until you actually launch an application which uses GPS.
Assigning a COM port

Assigning a COM port creates a communication “pipe” between the GPS and the tablet. It allows applications on the tablet to connect to the GPS.

Go back to the home screen on the tablet, and select “Desktop” from the icons:

On the bottom right corner, click the triangle icon (next to the keyboard icon). Then tap on the Bluetooth icon to reveal the Bluetooth menu. Select “Open Settings”: 
On the **Bluetooth Settings** menu, select the tab labelled **COM Ports**. Then select **Add** to open the **Add COM Port** menu. Check the radio box for **Outgoing**. Then select the GPS from the pull-down menu. This will cause **SPP Dev** to appear in **Services** box. Make sure **SPP Dev** is highlighted and click the **OK** button.

A new entry will appear in the list of COM ports. (It’s ok if the port number on your tablet is different than what is shown below.) Click **OK** to complete the setup.
At this point, setup is complete. As mentioned above, the blue light on the GPS will still be flashing. As soon as an app starts to use the GPS, the blue light will stop flashing.

PLEASE NOTE: as a power saving measure, the XGPS150 device will turn itself off after ten minutes of not being connected to an app. In the future, if you discover that you suddenly aren’t receiving GPS information, make sure the XGPS150 is still turned on.