Anywhere xSST Bluetooth QuickLink

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Setting Up A GPS

NOTE: DO NOT use *My Bluetooth Neighborhood* to create Bluetooth connections. Instead, use *My Bluetooth Places*.

The Anywhere xSST uses a wireless GPS receiver that transfers data to the computer via the Bluetooth communication protocol. These GPS's may still have a power cord that keeps their internal battery charged while flying, but the data they broadcast is sent to the computer (and subsequently to Anywhere Map PRO software) via a Bluetooth radio transmission.

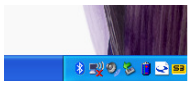
In order to use a Bluetooth GPS, you must setup a Bluetooth connection on the tablet for the GPS to get a COM port assigned. The COM port setting in Anywhere Map software then must be set to the same port that the Bluetooth manager has assigned for the device. No drivers are necessary when using a Bluetooth GPS.

A USB GPS receiver may also be used instead of a Bluetooth GPS with the Anywhere XSST. These GPS units are plugged directly to the USB (Universal Serial Bus) connector port. Before you insert the USB GPS the first time, the USB driver (software in the computer that lets the USB GPS talk to the computer's operating system) must be installed. The computer powers USB GPS units so they require no extra power cable.

Bluetooth GPS Set Up

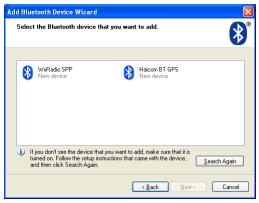
The Anywhere xSST Bluetooth connection setup steps are similar to several other popular PCs on the market. Follow the steps below to create a connection to a Bluetooth GPS on the Anywhere xSST Tablet. This is a 'one time' setup so that the GPS will automatically connect to Anywhere Map PRO every time you launch the application as long as the GPS unit is powered up.

1. Make sure the Anywhere Map PRO software is NOT running. If it is, click the red "x" in the upper right corner to close the software.
2. You may find a Bluetooth icon in your system tray in the lower right corner of your display (far left next to the wireless networking icon) If not, go to Control Panel and double tap >Bluetooth Devices >Options tab and check the box for *Show Icon In The Tray.*



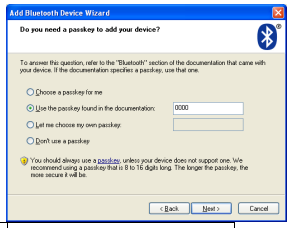
3. Tap the Bluetooth icon and tap *Add a Bluetooth Device*.
4. Turn on your GPS. LEDs begin flashing on the GPS.
5. Check the checkbox for "*My device is set up…*"
6. Click Next. The system searches the airwaves for Bluetooth devices within range.

Once the search is complete it should list the wireless devices that it found. The GPS should



be listed – in our case it will list "Haicom BT GPS".

7. Click on the "Haicom BT GPS" icon, then click Next to proceed.
8. On the next screen you will be asked to enter a Passkey, Use the 2nd Radio button option and enter the appropriate passkey for the GPS you are using.



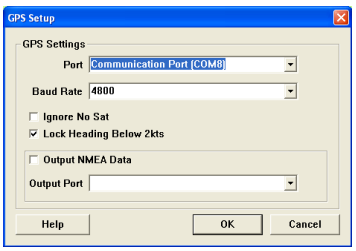
 Qstarz (I-BT GPS) Bluetooth passkey: 0000	 (HI-408-BT) Bluetooth passkey: 0000
 Sentinel Blue (HI-406BT) Bluetooth passkey: 0000	 Garmin GPS10 Bluetooth passkey: 1234

A few common ones are listed above under their respective picture. Use the On-Screen keyboard of the xSST to enter the numerical digits.

9. The final screen shows the **outgoing** com port for the GPS. Factory settings have the GPS set to COM 3. The

com port may be different on your system.

10. Remember this number or write it down. You'll need it the next time you run Anywhere Map PRO.
11. If you plan on using GpsGate to split the incoming signal from the GPS to both Anywhere Map PRO as well as Jepp FlightDeck see Appendix III in the full Anywhere Map PRO manual, *otherwise* proceed to step12.
12. Start Anywhere Map PRO.
13. Make sure the GPS is turned on. If possible, place the GPS up on the glareshield or up in a window where it can see satellites. Be careful to not place the GPS more than 15-20 feet from the computer, otherwise the signal may not reach.
14. Click the menu Settings, then GPS Settings. The following dialog box appears.



15. Click the arrow on the right side of the *Port* box to open the list. Select the **outgoing** COM port that the Bluetooth Manager assigned when you created the connection in the previous steps. You may check the "Lock HDG Below 2Kts" for increased map stability while not in motion when using one of today's extremely sensitive Bluetooth GPS units.
16. Click OK.

If the GPS has acquired its position, you should see 0 knots, your approximate GPS altitude, and the number of satellites the GPS currently has locked in the Flight Info overlay window.

If the GPS is inside or has not yet acquired its position, you should see 0 knots and NoSat. If the connection has not been made to the GPS, you will see NoGPS. If the proper COM port has not been set, you'll see NoComm in the lower pane of the Flight Info overlay window.

USB GPS Setup

DO NOT connect a USB GPS before installing our software on the computer. If the GPS was installed prematurely, Windows may connect the wrong device driver to the GPS. This could require a call to the manufacturer to resolve this issue.

To use the software with the NAV STICK USB GPS, First install the USB driver from the disk that comes with the unit. Then simply run Anywhere Map PRO and plug in the GPS to the USB port on the computer. Windows should automatically detect the GPS and configure it.

You still need to tell the Anywhere Map PRO software which *Port* to use. Go to Step 15 of the Bluetooth GPS setup for detailed instructions on setting the port. USB GPS units usually get assigned a low numbered port such as COM 3 or COM 1.

If more than one COM port is listed in the Com Port dropdown list, select the TIUMP USB serial port (this name may vary on Windows 98 and ME). Select 4800 for the Baud rate, and Click OK. If the GPS is working properly, within a few seconds the NoGPS flag in the Flight info box will change to NoSat, indicating that data is being received from the GPS, but that the GPS does not yet know where it is located. Once the GPS knows the location, the NoSAT message will turn into a display of the number of satellites being used. If the GPS is unplugged or loses the signal, NoSat or NoGPS will re-appear in a few seconds.

If you are using another GPS, connect the GPS to the tablet / Laptop according to the manufacturer's installation instructions before Anywhere Map PRO is started. Select the proper port from the drop down list provided in GPS Setup. Delorme USBGPS gear may require a serial emulator driver available on their site.

Setting Up the WX Worx Receiver

NOTE 1: These instructions assume the XM receiver is already activated. If you bought it from us, it has been activated even if you did not buy a complete system from us.

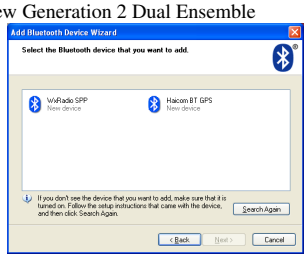
NOTE 2: You MUST have DC power to perform this set up. The XM unit draws MORE than 1 amp of current and therefore many AC/DC converters WILL NOT RUN the XM unit properly. If you do not have enough power, the XM unit may not connect or operate properly even though it appears the power is fine.

1. Close all open applications on the PC.
2. Connect the DC power plug to the XM receiver by gently inserting the twist-lock end of the power cable into the receptacle located on the WX Worx receiver labeled "Power". You MUST have power to the XM receiver for it to operate.

3. Attach the small brass threaded XM antenna fitting to the Wx Worx receiver. Take care not to over-tighten the fitting. Place the antenna in clear view of the southern sky. IMPORTANT NOTE: Different aircraft may have different optimum placement locations. In low-wing type aircraft produced by Beechcraft, Piper, or Grumman, placing the antenna on the top center of the windscreen is perfect. In other aircraft such as Cessna 182s or Cirrus, the big back window on top would be the best. The Birdseye suction cup mount is a clear, lightweight device that has been developed exactly for this purpose. Electric elements installed in windshields or HotPlates for de-ice as well as some metallic exterior coatings may interfere with the XM signal quality. Placing the antenna where these factors cannot interfere will definitely improve the weather reception on your Anywhere Map system.
4. Insert the power plug into the car/aircraft cigarette lighter plug.
5. If you use a USB style WX Worx box, skip to step 6.
6. The Power LED should illuminate and the Data Light should begin to flash blue indicating the unit is ready to connect to the computer through Bluetooth.

a) Double tap the *Bluetooth Places* icon on the desktop or in the lower right system tray of the PC by the clock.

b) The WX Worx unit Bluetooth Identifier may display *WX RADIO SPP* if it is a new Generation 2 Dual Ensemble receiver, or *XM BLUE SPP* if it is an older Generation 1 receiver in the list after the search for BT devices is complete.



c) Next enter the Bluetooth Passkey using the 2nd Radio button option. Use the number 9679 for the *WX RADIO SPP*, or 0 (single zero) for *XM BLUE SPP*. After entering the appropriate pairing code click Next.

d) Factory settings have the XM WX receiver set to COM 5.

e) Make sure you record the outgoing COM port that is being assigned to the XM connection so that you may enter it into the appropriate field in Anywhere Map PRO with Weather software.

f) Click *Finish.*

g) Start Anywhere Map PRO

h) Click on the menu *Weather*, then *Weather Configuration*.

i) Open the COM port drop-down box and select the COM port assigned during XM radio BT setup.

j) Check the "Enable XM Weather" box and click OK.

k) It will take several seconds for the window to close. In doing so, the connection to the WX Worx unit will be established and the blue light on the WX receiver will change from flashing to solid blue.

l) If you have the Weather Info overlay window displayed, you will see the status change from INIT to ACT CHK to REQST to GOOD. This lets you know you have a good connection to the WX Worx unit and also a good satellite signal.

m) Refer to the Weather Information chapter in the full Anywhere Map PRO manual to get more information about how the XM weather works, how long you should wait for it to display after start-up, etc.

7. For the USB connected WX Worx receiver, do the following substeps.

a) Install the USB drivers for the WX Worx box from the link below **BEFORE** connecting the WX Worx box the first time.

b) Insert the USB cable from XM receiver into a USB port of your computer. The computer should "see" the XM receiver and pop up a box that shows "new USB device detected" or similar message and the computer should attempt to match this device with the drivers installed during software installation. If for some reason the drivers are not detected, or you need to re-install them for any reason, you can find them at:

www.controlvision.com/support/wxusb.zip After installing the drivers, you may need to restart the PC.

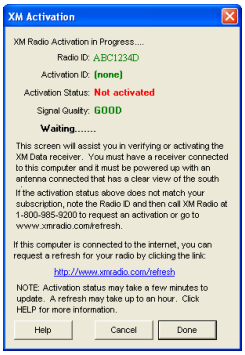
c) Once the computer recognizes the new hardware and is happy with the drivers, Start the Anywhere Map PRO software; click on the *Weather* menu, then on *Weather Configuration*.

d) Drop down the Communications Port box and select the proper port for the XM box connection. Start with low numbers such as COM1 or COM 3

e) Click the check box for Enable XM and also on the products you want to have displayed. These can also be toggled on and off using toolbar icons on the map screen. Click OK.

f) If you have the Weather Info overlay window displayed, you will see the status change from INIT to ACT CHK to REQST to GOOD. This lets you know you have a good connection to the WX Worx unit and also a good satellite signal. If the Weather info overlay window stays in INIT / STARTUP, try a different COM port until you see the status change from INIT to ACT CHK to REQST to GOOD.

Your XM radio is now configured.

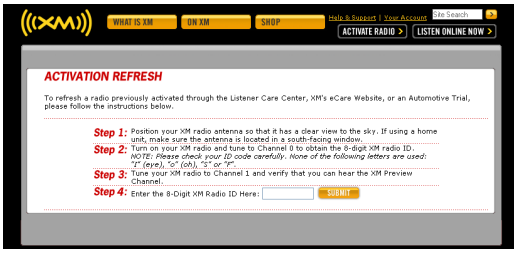


Make sure you check http://support.anywheremap.net for knowledge base articles that may help troubleshoot your system quickly and easily. Do not call XM Satellite Radio for Anywhere Map support.

If you receive a message during the startup sequence that says ACT XM (not ACT CHK), your WX Worx unit may need a refresh from the XM Satellite Radio so that it knows which weather data packages to be decoding for you.

To Refresh your WX Worx unit:

After periods of non-use, the WX Worx unit may need a refresh. When starting up the full system and the WX overlay window reports: ACT XM (not ACT CHK) right-click (or press and hold) this message and choose Activate XM Box out of the menu that pops up. Leave this screen open and call XM Satellite Weather's Care Center at: 800-985-9200 OR go online to www.xmradio.com/refresh and enter your Radio ID number that you see on the AWM XP Activation screen.



After submitting your number over the phone or online, leave this Activation Screen open for 10-20 minutes or until the Activation Status correctly displays your weather data plan from XM (ie: Aviator or Aviator Lite) Once this status comes up, click Done and go back to the Map screen. The XM status will once again step through the INIT, ACT CHK, REQST, and GOOD. Once this signal quality is displayed, you should have live weather data on the screen within 5-7 minutes.

XM WX versus AnywhereLink

Anywhere Map PRO Weather will display weather data derived from two networks: The XM WX Satellite network and the AnywhereLink Internet Network.

XM is a continuous broadcast of weather data files that requires the WX Worx unit for operation. Depending on the subscription plan you have, the NEXRAD (radar), METARs, TAFs, etc are

received directly into the computer and displayed on the Anywhere Map moving map screen. This is the mode in used In-Flight for strategic weather avoidance along your route.

AnywhereLink is a request-reply network that retrieves weather data items, GPS mapping-data updates, TFRs, even current Fuel Prices from 100LL.com. When your computer is connected to the Internet (such as over a WiFi or other network when you're NOT in the airplane) you can retrieve any or all of this information with the tap of your finger.

The weather items are similar to those received over the XM network but not exactly the same. This is handy for flight planning, etc. and eliminates the need to take the entire XM system out of the plane to access weather for those tasks.

You must have a subscription for each service in order to receive weather data from them. This chapter describes general weather product control. For specific information about each network, see the applicable chapter in the full Anywhere Map PRO manual.

IMPORTANT: If you are using XM, do NOT use the toolbar icons that have the arrows underneath unless you have an AnywhereLink subscription and are specifically intending to use it! Using these toolbar icons disables XM reception and you must specifically turn it back on under the in Weather Configuration dialog box by choosing >Weather >Weather Configuration.