

Using the USB Serial Port on the SP80

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1. Install the drivers from the Spectra Website. Alternatively:

FAQ:

http://alltopo.com/out/ashtech/2014/20140617/Legacy/Land%20Survey/SP80/USB/USB%20 driver%20installation%20procedure.pdf

Drivers:

http://alltopo.com/out/ashtech/2014/20140617/Legacy/Land%20Survey/SP80/USB/Spectra PrecisionUSBSerialSetup.zip

2. Plug the SP80 into your computer.



Remember which USB port you are going to use and use it every time so you don't have to reload drivers.



3. You can use the device manager to determine which COM port the USB connection is emulating:



4. Start Evaluate:





5. Select 'Connect to GPS Receiver' as shown above, then click OK:

Connection Parameters ×		
Connect Port COM9 -	Connect	
	Disconnect	
Port Setup	Cancel	
Default Com setting		
□ Initialize from file: DIFF_BAS.GPS 🖃		
Turn off ALL messages on detach		
Manual Connect (requires NMEA messages GGA, VTG, GSA and GSV)		

6. If you only have one COM port, it will be automatically selected as shown above, uncheck all four boxes and click on 'Connect':



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7. The connection will take an extra moment, but you should see your device send a note back as shown above, click on OK:

	Magellan Evaluate - GPS Receiver type: Unknown 🛛 – 🗖 🗙
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Initialization complete	COM0 1200 Due Ave Hile (
initialization complete	

8. Click on the 'Terminal' icon:



9. You can now type commands as expected:

Magellan Evaluate -	GPS Receiver type: Unknown - [GPS Receiver Terminal] – 🗖 🗙
🖳 GPS Almanac View Window Help	_ 8 ×
8	🏘 🟦 🏵 🔳 🐡 🍫 🤋 🕂
😢 Menu 膩 順 Type 🔛	Send 😿 Create *.gps
	^
<	× >
For Help, press F1	COM9 1200 D:m A:m H:kr



10. For example, you can type 'PASHQ,OPTION' and click on the 'Send' button to get a full list of device options:



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