



Installation of the RadarPlus is simple and intuitive:

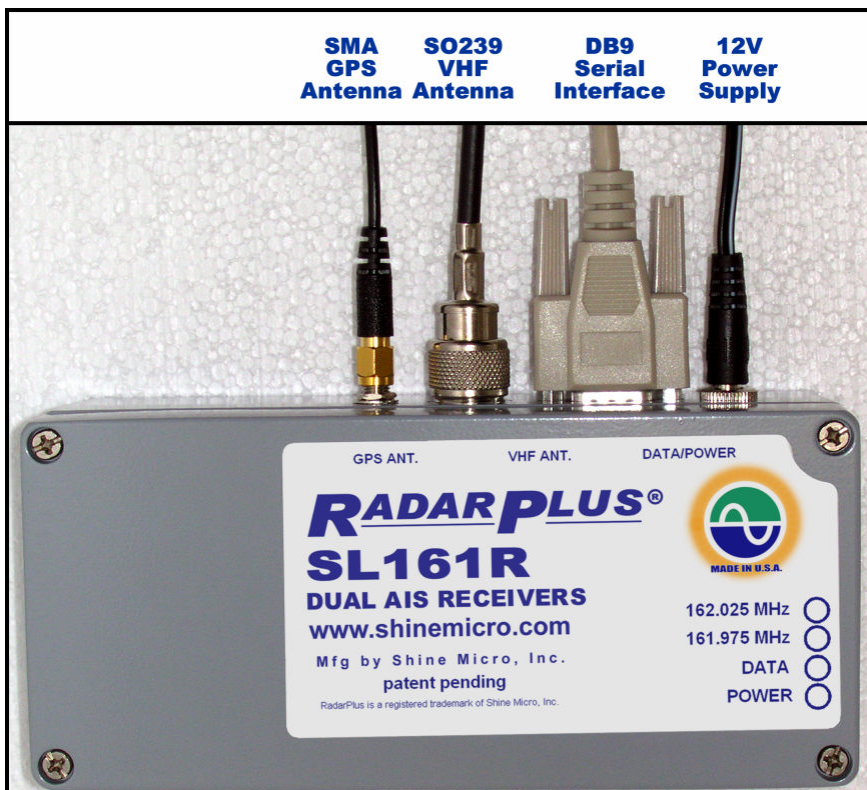
1. Plug the VHF antenna into your RadarPlus (SO239 connector).
2. Plug your computer into the RadarPlus (DB9 connector).
3. Plug the 12V power supply into the RadarPlus and into a standard electrical outlet. (wall wart provided)
4. *Optional* Plug your GPS Antenna into the RadarPlus (SMA connector)

The RadarPlus is now receiving all available AIS transmissions and sending the data to your PC.

Software is required to view the data received by the RadarPlus. Serial Interface specifications and a Software Development Kit are available to assist software development.

Because the data output format is industry standard, the RadarPlus SL161R is compatible with popular third-party software programs such as Nobeltec Admiral, EuroNav seaPro, Transas NaviSailor, Xanatos Titan, Rose Point Coastal Explorer, and other AIS-enabled software programs.

For additional information on the RadarPlus line of AIS products, please visit www.shinemicro.com!



The LEDs indicate receiver activity as described below.

- ▶ **Power** - Blinks green when the RadarPlus is running. If the power LED is not blinking there is a problem with the receiver and it must be reset. To reset the RadarPlus, disconnect and reconnect the power supply. If the LED still does not blink, contact Shine Micro, Inc. at (360) 437-2503 for further assistance.
- ▶ **Transmit** - Blinks green when the RadarPlus is sending serial data to the PC. The transmit LED should blink at least every 30 seconds, if not more often.
- ▶ **161.975 and 162.025** - Blink green when a good packet is received. The LED will blink red when a packet with a bad checksum is received. Transmissions with bad check-sums are very common, so frequent red blinking on CH1 and CH2 is normal activity. Most transmissions with bad check-sums are just "noise" on the AIS channels.
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