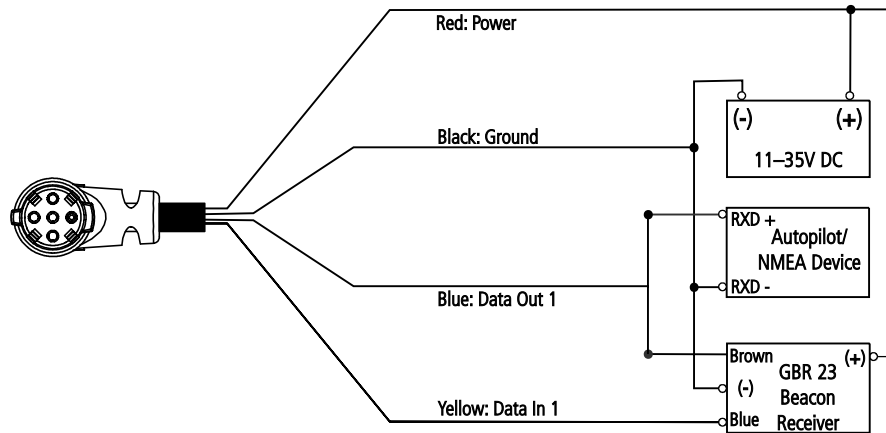


Appendix

Connecting the Power/Data Cable

The power/data cable connects the GPSMAP 296 to an 11–35-Volt DC system and provides interface capabilities for connecting external devices. The color code in the diagram below indicates the appropriate harness connections. Replacement fuse is a 3AG - 1.5 Amp fuse.



Interfacing

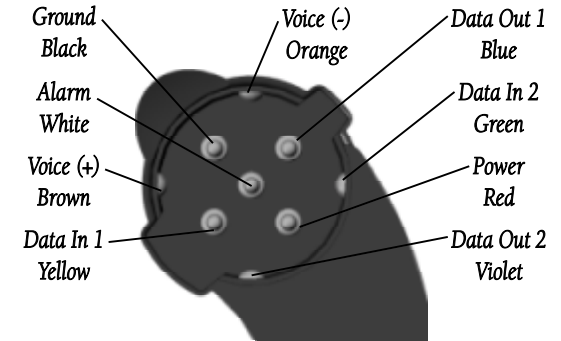
The following formats are supported for connection of external devices: GARMIN proprietary Differential GPS (DGPS), NMEA 0180, 0182, 0183 (versions 1.5, 2.0, 2.3, 3.01), ASCII Text Output, and RTCM SC-104 input (version 2.0).

The following are the Approved Sentences for NMEA 0183, version 3.01 output: GPRMC, GPGGA, GPGSA, GPGSV, GPGLL, GPBOD, GPRTE, and GPWPL. The following are the Proprietary Sentences for NMEA 0183, version 3.01 output: PGRME, PGRMZ, and PGRMM.

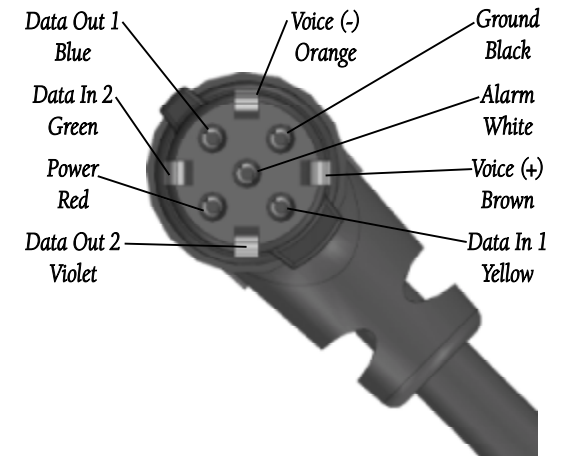
The GPSMAP 296 also includes NMEA input with support for the BWC, DBT, DPT, MTW, VHW, VTG, and XTE sentences.

Garmin's proprietary communication protocol is available from the Web site (www.garmin.com).

Wiring and Interfacing



Unit Power/Data Connector



Power/Data Cable Connector