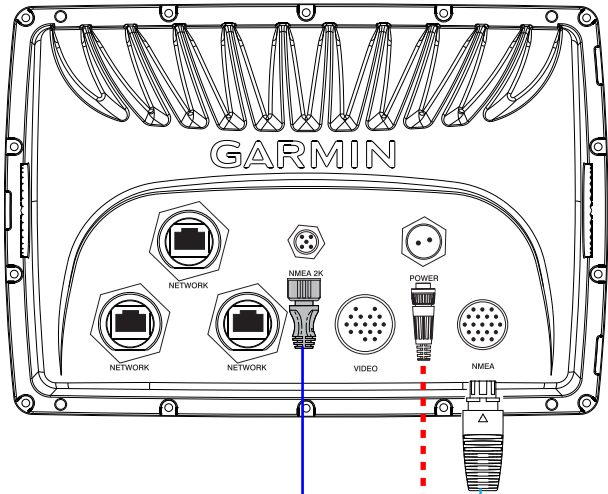


NMEA 0183 data to the NX2 Server is the same for the GARMIN® GPSMAP 4xxx/5xxx, the 6xxx/7xxx, and the 8xxx series chartplotters.



\*Garmin GPSMAP



NMEA 0183

Black ( - ) 10-35 VDC, 7.5 Amp fuse rating  
Red ( + )

6m N2k Drop Cable

2m N2k Drop Cable

N2k Female Terminator

N2k Male Terminator

N2k T connector

2m N2k Power Cable (Yellow)

Ignition or in-line switch

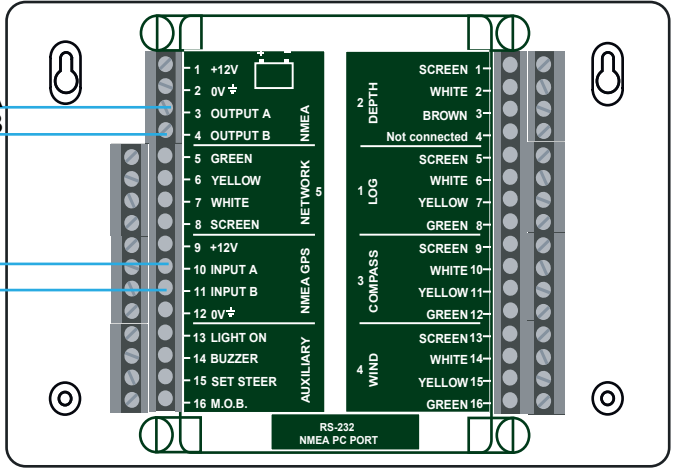
Red ( + ) 9-16 VDC 3 Amp fuse rating  
Black ( - )  
Uninsulated Drain Wire ( - )

GPSMAP 4000/5000/6000/7000/8000 Series NMEA 0183 Data Cable

Port	Wire Function	Wire Color
Receiving Port 1	RX / A ( + )	White
	RX / B ( - )	Orange/White
Receiving Port 2	RX / A ( + )	Brown
	RX / B ( - )	Brown/White
Receiving Port 3	RX / A ( + )	Violet
	RX / B ( - )	Violet/White
Receiving Port 4	RX / A ( + )	Black/White
	RX / B ( - )	Red/White
Transmitting Port 1	TX / A ( + )	Gray
	TX / B ( - )	Pink
Transmitting Port 2	TX / A ( + )	Blue
	TX / B ( - )	Blue/White

Alternate ports may be used if Port 1 is not available. Please refer to the chart below.

\*\*NX2 SERVER



\*\*The NX2 server through the multi control or race software has the ability to configure the NMEA data output from the server. This operation is covered in the server manual section 2.6 and the NX2 multi control manual section 12.7. The following NMEA sentences have been chosen to provide the basic log, depth, compass and wind data from the Nx2 server to the Garmin chartplotter.

MWD  
MWV  
DBT  
VHW  
MTW  
HDM

\*The Garmin GPSMAP has the ability to configure the NMEA output to the NX2 server. This operation can be found in the GPSMAP manual. From the home screen the process is Configure>Communications>NMEA 0183>Output sentences and then in each group make the following changes:  
Sounder-All option OFF  
Route-BWC, BOD, XTE, all on with other options OFF  
System-RMC, RMB, GGA, GSV, GLL, all ON with other options OFF  
Garmin-All options OFF

CAUTION: This schematic is for reference purposes only and should not be used in lieu of the Installation Instructions provided with each component of the system. Your installation may differ from the layout indicated by this schematic. Always refer to the applicable Installation Instructions to ensure that your installation is correct and for applicable safety warnings and notices.

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1200 E. 151st Street  
Olathe, Kansas 66062 U.S.A.

TITLE

Schematic, Nexus Server to Garmin GPSMAP NMEA 0183 connections

SIZE

B

SCALE

NONE

DATE

04/18/2013

DRWN.

DAZ

DWG. NO.

970-101

REV.

A

SHT.

1

OF

1