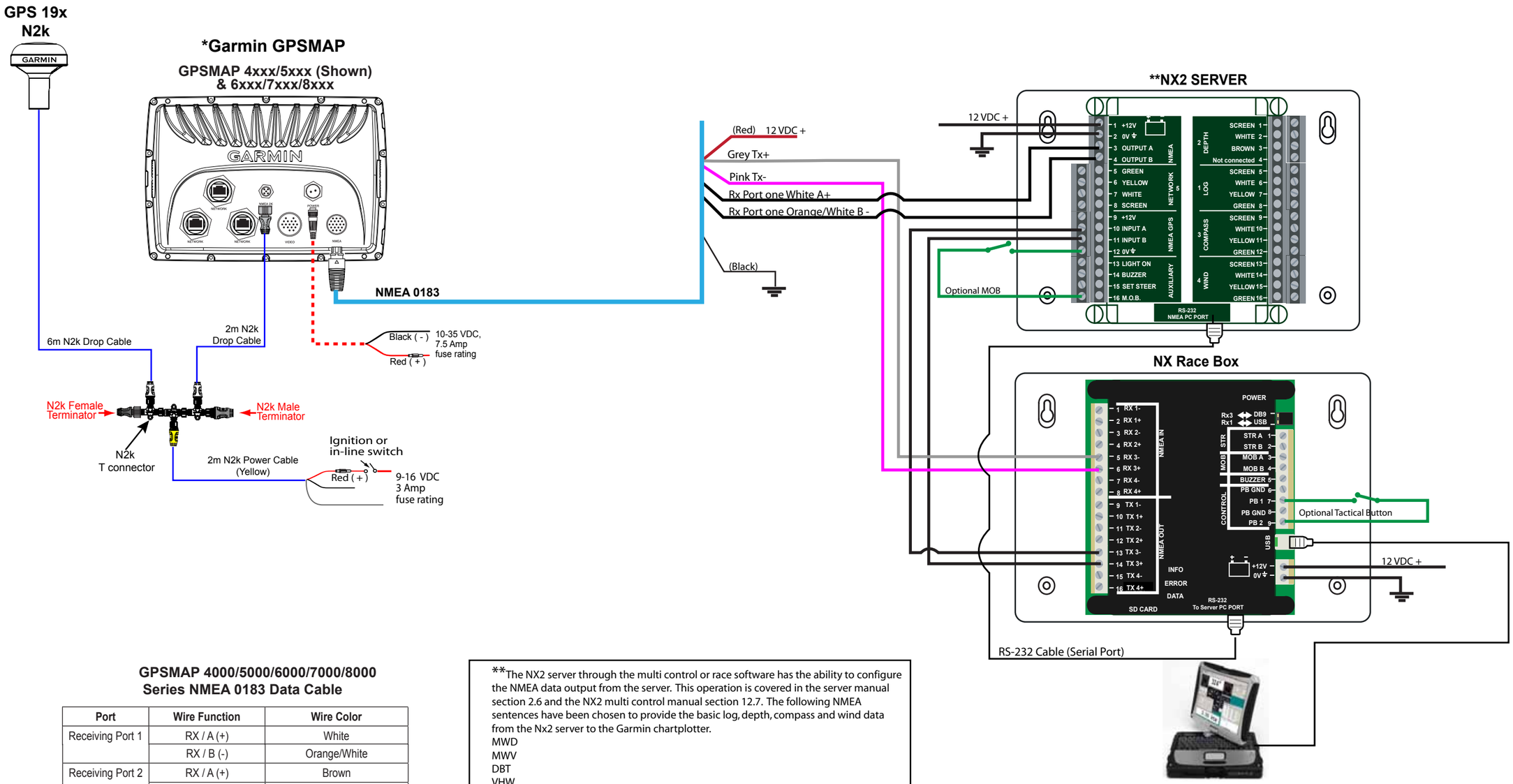

GPSMAP 4000/5000/6000/7000/8000 Series NMEA 0183 Data Cable

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

**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.

CONFIDENTIAL
This drawing and the specifications contained herein are the property of Garmin Ltd. or its subsidiaries and may not be reproduced or used in whole or in part as the basis for manufacture or sale of products without written permission.

DATE
DRWN. DAZ 09/03/2013

GARMIN®

Garmin Ltd. or its subsidiaries
c/o Garmin International, Inc.
1200 E. 151st Street
Olathe, Kansas 66062 U.S.A.

TITLE Schematic, Nexus Server and Race Box to Garmin GPSMAP NMEA 0183 connections

SIZE B | DWG. NO. 970-118 | REV. A

SCALE NONE | SHT. 1 OF 1