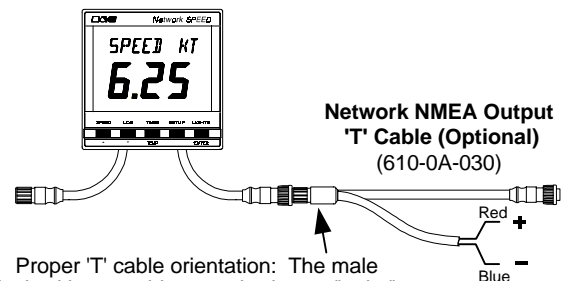


Network Instruments

Network DATA, NAV, PILOT, QUAD REPEATER, SPEED, TACK, and WIND

Network Instrument Display



Proper 'T' cable orientation: The male jack with two cables attached must "point" toward the instrument which is supplying the NMEA data.

All Network instruments, **with the exception of the DEPTH, QUAD, COMPASS and ENGINE**, will output NMEA instrument data simply by connecting a Network NMEA Output 'T' Cable (p/n 610-0A-030) to the female network output lead. Each Network instrument compiles data from the other instruments on the network and outputs the available data.

NMEA Output - via Network NMEA Output 'T' Cable [p/n 610-0A-030] (supplied as an option) connected to female network output lead on back of display.

Color code:

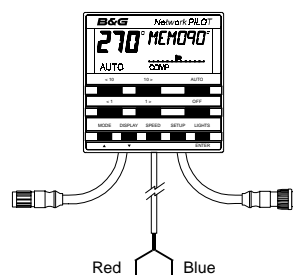
Red - NMEA Output Signal
Blue - NMEA Output Return

NMEA Output Sentences*

NMEA 0183 v1.5
\$IIDBT Depth below transducer
\$IIHDM Heading, magnetic
\$IIMTW Water temperature
\$IIVHW Speed and heading
\$IIVWR Apparent wind angle and speed

Network PILOT

Network Pilot Display (NET-PLDU)



Pilot NMEA Input Cable
3m (9') (612-0A-053)

NMEA Input - via Pilot NMEA Input Cable [p/n 612-0A-053] (supplied with Pilot Display) connected to input socket on back of display.

Color code:

Red - NMEA Input Signal
Blue - NMEA Input Return

NMEA Output - via Network NMEA Output 'T' Cable [p/n 610-0A-030] (supplied as an option) connected to female network output lead on back of display.

Color code:

Red - NMEA Output Signal
Blue - NMEA Output Return

Recognized NMEA Input Sentences

NMEA 0183 v1.5, 2.0, 2.03
APA XTE, bearing origin to destination waypoint
APB XTE, bearing origin to destination waypoint, bearing to waypoint
BWR Bearing and distance to waypoint rhumb, waypoint number
BWC Bearing and distance to waypoint great circle, waypoint number
RMB XTE, bearing and distance to waypoint
XTE XTE (cross track error)
VTG Speed over ground

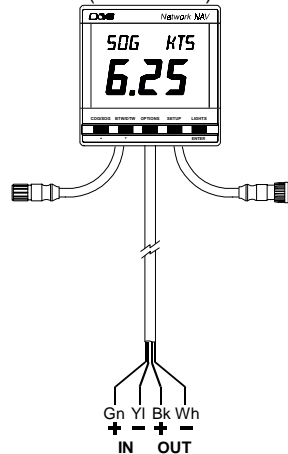
NMEA Output Sentences*

NMEA 0183 v1.5
\$IIDBT Depth below transducer
\$IIHDM Heading, magnetic
\$IIMTW Water temperature
\$IIVHW Speed and heading
\$IIVWR Apparent wind angle and speed

The Network PILOT uses the following data from NMEA: Cross Track Error (XTE), Speed Over Ground (SOG), Bearing: current position to destination waypoint, Bearing: origin waypoint to destination waypoint, Distance: current position to waypoint, Waypoint number.

Network NAV

Network Nav (NET-NADU)



NMEA Input/Output Cable
9m (29') (610-0B-038)

NMEA Input/Output - via NMEA Input/Output Cable [p/n 610-0B-038] (supplied) connected to input/output socket on back of display.

Color code:

Green - NMEA Input Signal
Yellow - NMEA Input Return
Black - NMEA Output Signal
White - NMEA Output Return

NMEA Output - via Network NMEA Output 'T' Cable [p/n 610-0A-030] (supplied as an option) connected to female network output lead on back of display.

Color code:

Red - NMEA Output Signal
Blue - NMEA Output Return

Recognized NMEA Input Sentences

NMEA 0183 v1.5, 2.0, 2.03
With GPS (GP), Loran (LC) or Decca (DC) ID Header
AAM Arrival alarm, waypoint ID
APA XTE, bearing origin to destination waypoint
APB XTE, bearing origin to destination waypoint, bearing to waypoint
BWC Bearing and distance to waypoint great circle, waypoint number
BWR Bearing and distance to waypoint rhumb, waypoint number
GGA Latitude, Longitude
GLL Latitude, Longitude
GLP Latitude, Longitude
RMA Latitude, Longitude, SOG, COG, variation
RMB XTE, bearing and distance to waypoint
RMC Latitude, Longitude, SOG, COG, variation
VHW Boat Speed
VTG Actual track and ground speed
XTE XTE (cross track error)
ZTG Time to waypoint

NMEA Output Sentences*

NMEA 0183 v1.5
\$IIDBT Depth below transducer
\$IIHDM Heading, magnetic
\$IIMTW Water temperature
\$IIVHW Speed and heading
\$IIVWR Apparent wind angle and speed

*NMEA Output will contain only that data which is available from the specific instruments which are installed on the network.



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