KCombo-7 and KP-708 Quick Installation Manual

This manual is applied to KCombo-7 and KP-708

Verifying the contents

When you first time open the box of your KCombo-7 or KP-708 plotter please confirm you have following items inside the box :

- Display unit
- Quick release mounting
- Quick Start Manual and Quick Installation Manual
- Standard accessories pack(one power/data cable, 2 spare fuses, 3 desktop mounting screws, 4 panel mounting screws)

Note : External GPS antenna KA-07 with 10 meters cable(For KCombo-7 and KP-708) and transducer (NBM40-50/200 or KTD-520) with 10 meters cable (KCombo-7 only) are supplied as an option.
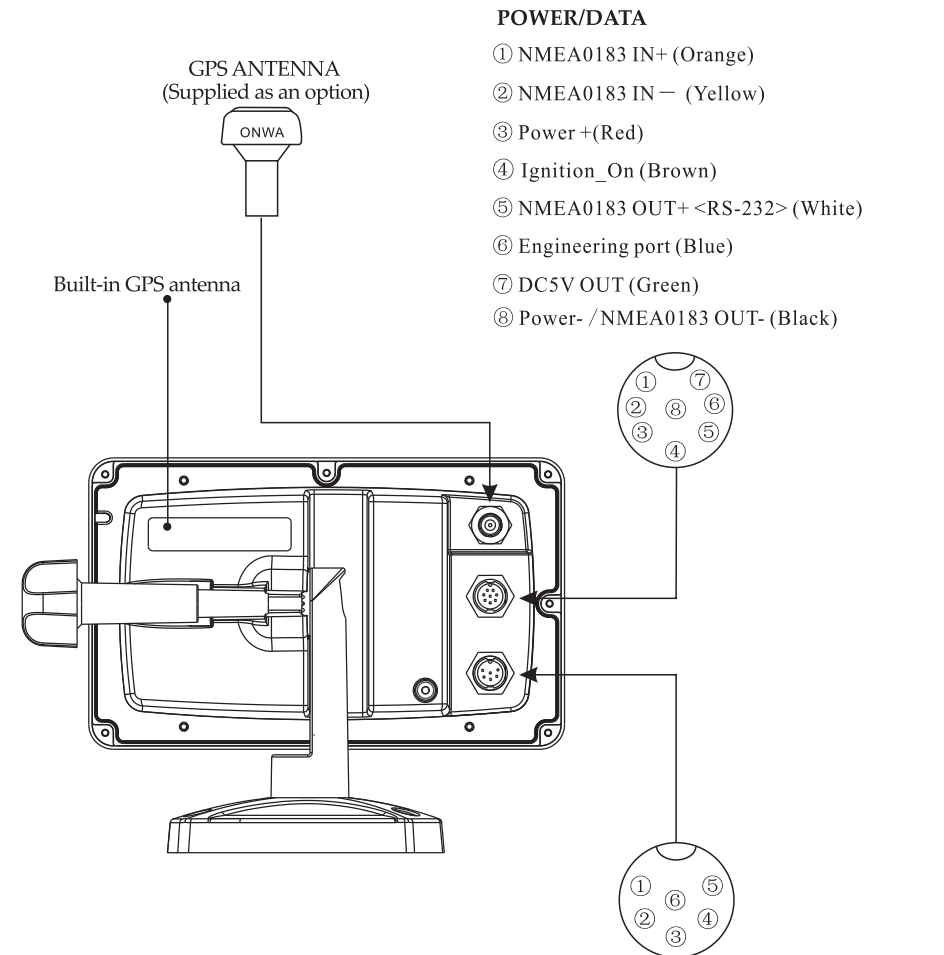
The connectors on the rear panel of KCombo-7 and KP-708

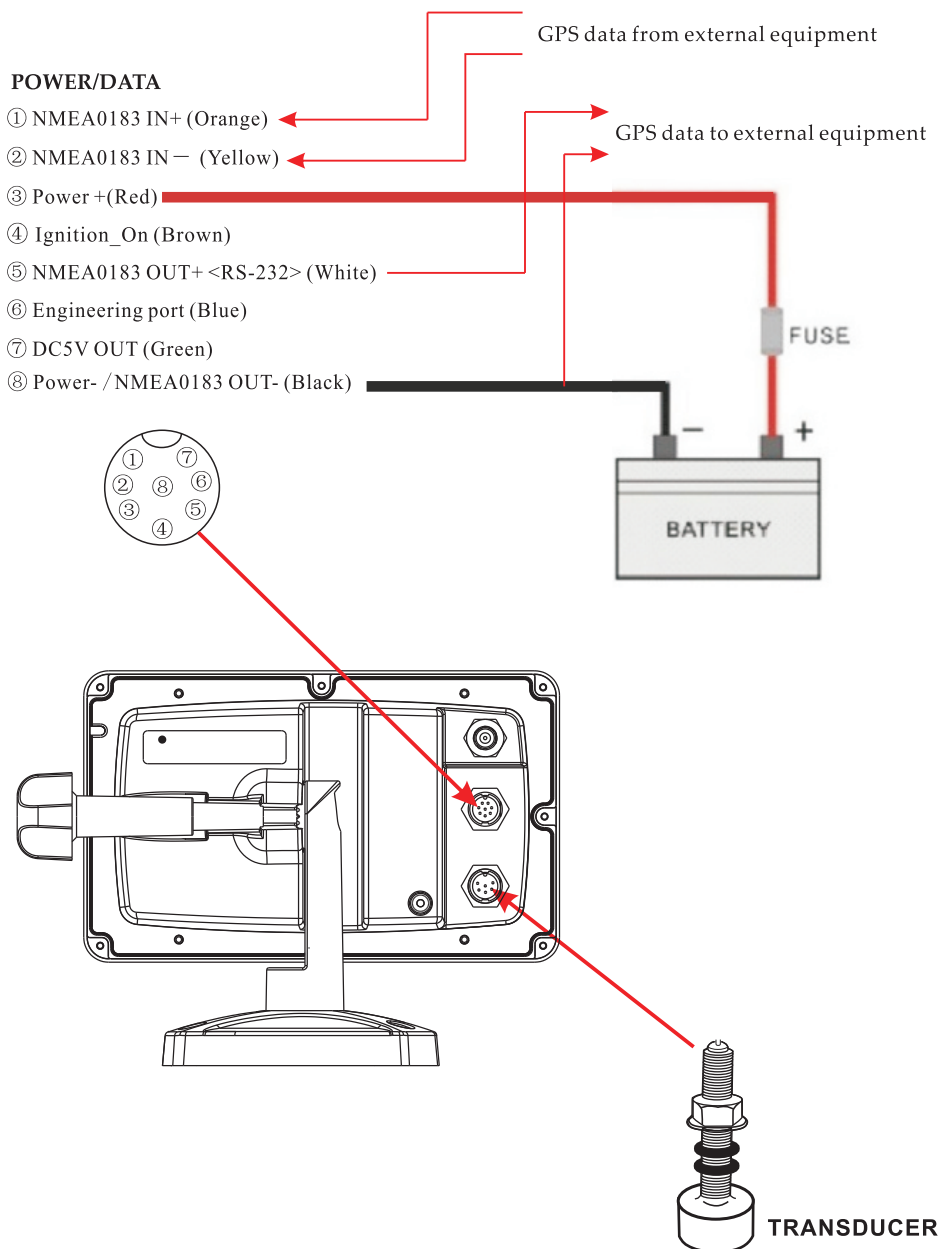The following figures just to show you how these connectors look like.

External GPS antenna (supplied as an option)

Power/Data cable

Transducer/Temperature sensor (Supplied as an option, for KCombo-7 only)

Interconnections for KCombo-7 and KP-708

GPS ANTENNA
(Supplied as an option)

ONWA

Built-in GPS antenna

POWER/DATA

① NMEA0183 IN+ (Orange)

② NMEA0183 IN− (Yellow)

③ Power +(Red)

④ Ignition_On (Brown)

⑤ NMEA0183 OUT+ <RS-232> (White)

⑥ Engineering port (Blue)

⑦ DC5V OUT (Green)

⑧ Power- / NMEA0183 OUT- (Black)

TRANSDUCER/TEMPERATURE/SPEED(For KCombo-7 only)

Sonar+

Speed/Temperature ground

Speed/+ supply

Temperature

Sonar-

Sonar ground

Interconnections for KCombo-7 and KP-708

GPS data from external equipment

POWER/DATA

① NMEA0183 IN+ (Orange)

② NMEA0183 IN－ (Yellow)

③ Power +(Red)

④ Ignition_On (Brown)

⑤ NMEA0183 OUT+ <RS-232> (White)

⑥ Engineering port (Blue)

⑦ DC5V OUT (Green)

⑧ Power- / NMEA0183 OUT- (Black)

GPS data to external equipment

FUSE

BATTERY

TRANSDUCER

Specifications

Waypoints/icons:	12,000 waypoints with name, symbol, 10 proximity waypoint
Routes:	30 routes up to 170 waypoints each, plus MOB and Track Navigation or Goto Track modes
Tracks:	8,000 points automatic track log; 10 saved tracks(up to 8,000 track points each) lets you retrace your path in both directions
Drawing Marks:	1000
Drawing Lines:	2000
Drawing Placename:	1000
Color for drawing :	8
Alrms:	XTE, Anchor drag, arrival, speed, voltage, proximity waypoint and time, AIS alarm.
Pallete:	Normal
	Daylight exposed to sunlignt
	Night in dark environment
	NOAA paper chart colors
Tides:	Built-in worldwide tide data
Position format:	Lat/Lon
Basemap:	Built-in ONWA K-Chart
External Map:	SD Cards slot for C-Map MAX and Onwa KChart
User data storage:	Internal backup of user settings, or external SD-card
Plot Inerval:	5s to 60mins or 0.01 to 10nm
Plotting scales:	0.001 to 700nm
Interface :	RS232, NMEA0183 V3.01

NMEA Sentence supported :

INPUT, auto scan baudrate

+ GGA,GLL,RMC,VTG,ZDA,GSA,GSV,DBT,DPT,HDG,HDT,HDM, MTW, VHW,
MWD, MWV, VPW, VWR,VWT,XDR, TLL,TTM, VDM,VDO

OUTPUT, Baudrate : Selectable 4800, 9600, 19200, 38400

+ GGA, GLL, RMC, AAM, APB, APA, BOD, BWC, BWR, DBT, DPT, HDT, MTW,
MWD, VPW, , VWR, VWT, RMB, TLL, VTG, WPL,
XTE, ZDA, ZTG, HDT_FROM_HDG, WCV, ZDL

For more detail please download the full manual from http://www.onwamarine.com

Please consider the environment before printing the manual