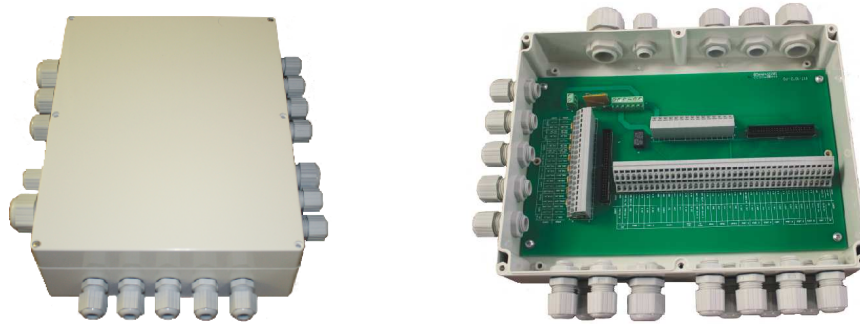




## MX512 Junction Box Specifications

The MX512 Navigation System is supplied with MX512 Junction Box (P/N 512-100-1001). There are eight dedicated RS-422 NMEA serial ports and one RS 232 serial port.



(Pre-installed cable assemblies not shown)

### Material:

- Polycarbonate (Gray)

### Cables Assemblies: (pre-installed)

- Data Cable Assembly (44 Pins, 3M)
- Auxiliary Cable Assembly (8 Pins, 3M)
- Smart Antenna Cable Assembly (10 Pins, 3M)
- Power/Data Cable Assembly (12 Pins, 3M)

Note: Antenna cable from Smart antenna to Junction box should be single connector 10 pin cable. Cables are available in 20, 40, 60, and 80M length.

### Power:

Input Voltage: 10.5 to 32 VDC, 15W

Grounding: Chassis isolated from electrical ground

### Physical:

Dimensions: 300 (W) x 85 (H) x 230 (D) mm (11.8 x 3.4 x 9.1 in.)

Weight: 7.0 lbs (with cables)

Mounting: 4 corner screws (remove top cover to access)

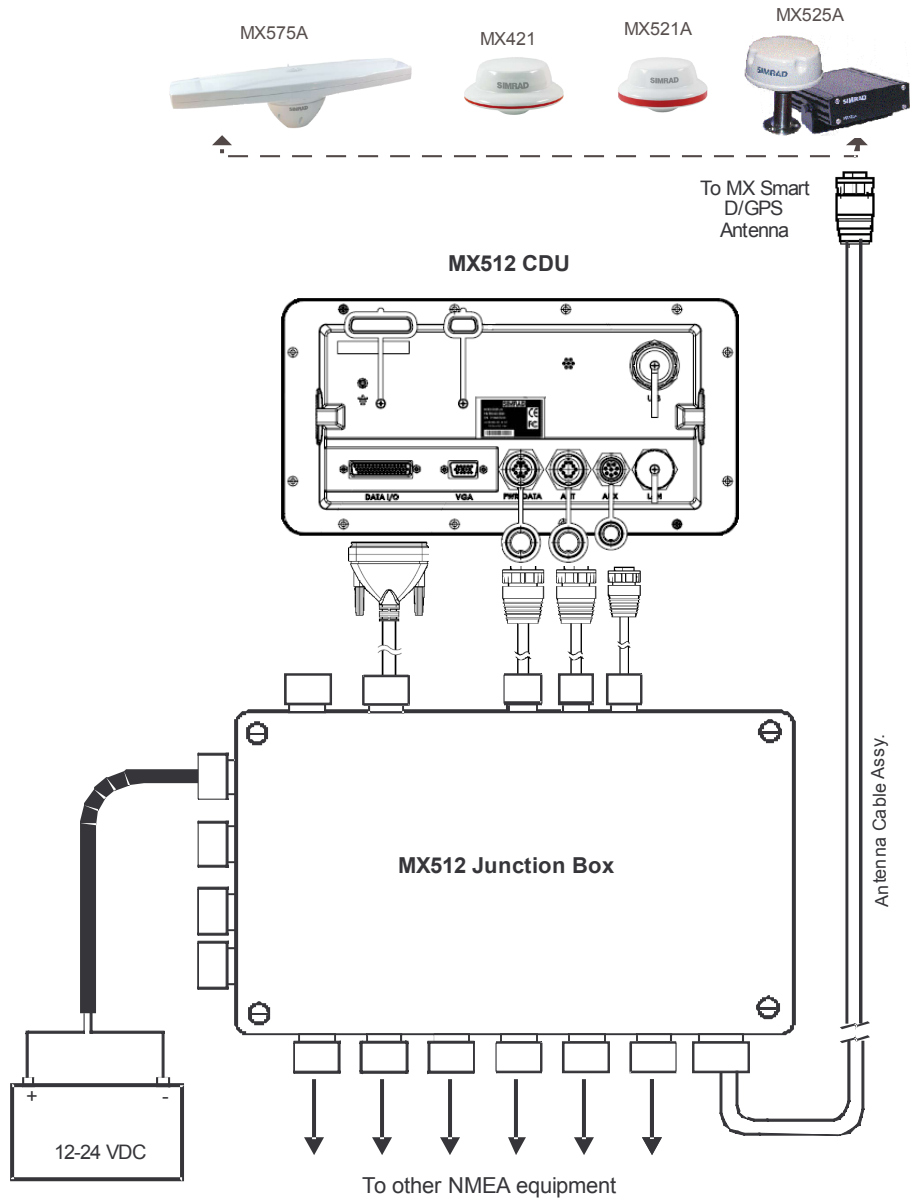
Terminals: WAGO connectors (user interface), Headers (44 & 50-Pin)

### Environmental:

Operating: -15°C to +55°C

Storage: -30°C to +70°C

**MX512 with Junction Box Assembly Drawing:**



**USA Office:**  
 NAVICO Inc.  
 23868 Hawthorne Blvd., Suite 201  
 Torrance, CA 90505  
 USA

Tel: 1+ (310) 791 8213  
 Fax: +1 (310) 791 6108

**Europe Office:**  
 NAVICO UK, LTD.  
 Premier Way, Abbey Park  
 Romsey, Hampshire S051 9DH  
 United Kingdom

Tel: +44 (0) 1794 510010  
 Fax: +44 (0) 1794 510006