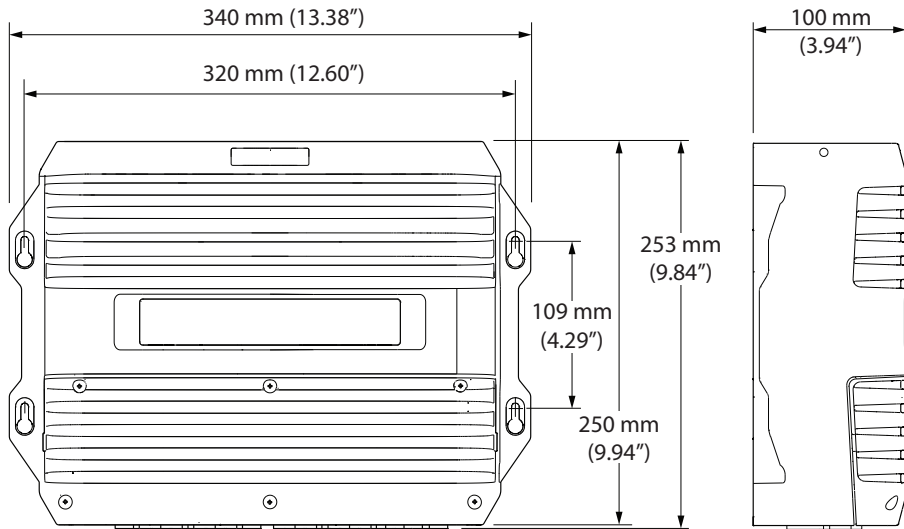
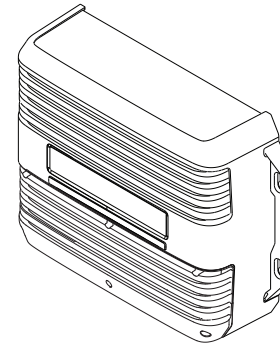


## Dimensional drawing



**SIMRAD**

## MX612 Junction Box INSTALLATION GUIDE

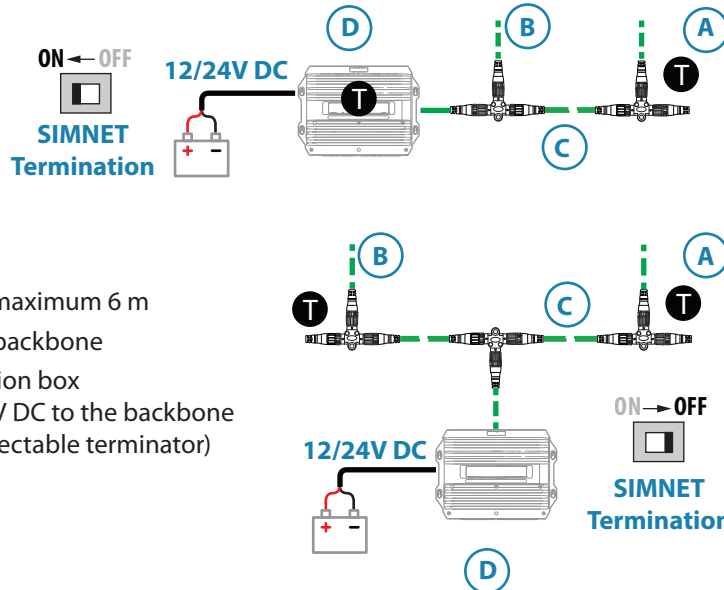


For product manuals, technical specifications, certificates and declarations refer to the product website:

[www.navico.com/commercial](http://www.navico.com/commercial)



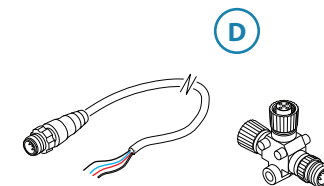
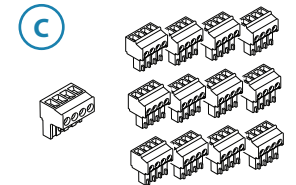
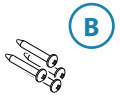
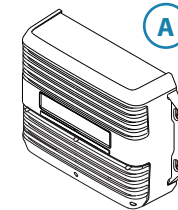
## NMEA 2000 backbone



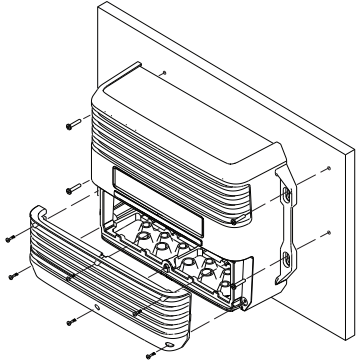
- A. Terminator
- B. Drop cable, maximum 6 m
- C. NMEA 2000 backbone
- D. MX612 Junction box (supplies 15 V DC to the backbone and has a selectable terminator)

## Parts included

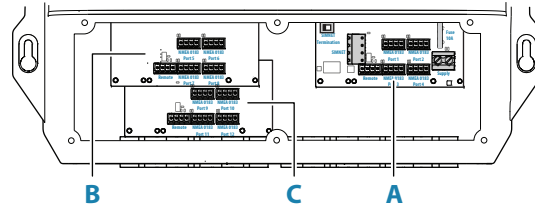
- A. MX612 Junction box (x1)
- B. Screws (x4)
- C. Connectors
  - NMEA 2000 connector (x1)
  - NMEA 0183 connector (x12)
- D. NMEA 2000 kit
  - NMEA 2000 cable (x1)
  - T-connector (x1)
- E. Fuse (x2, 7.5 A)



## Mounting

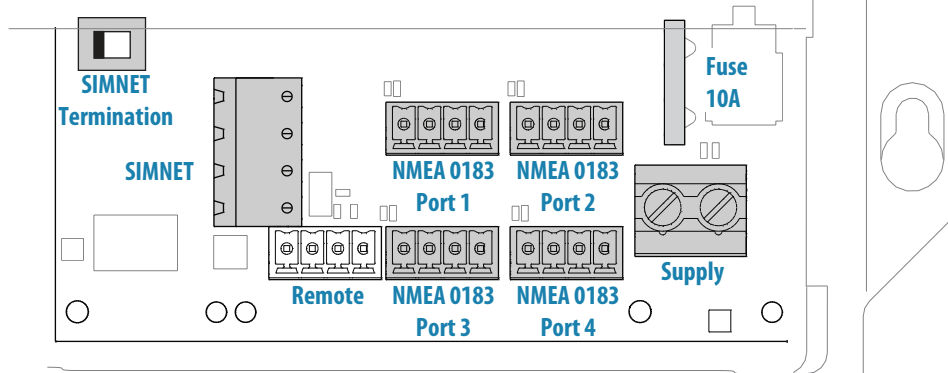


## Connector overview



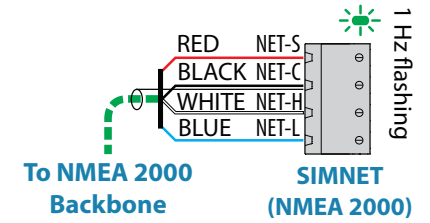
- A.** Card 1 - power supply, NMEA 2000 connector and ports 1-4
- B.** Card 2 - port 5-8
- C.** Card 3 - ports 9-12

The illustration below shows Card 1.



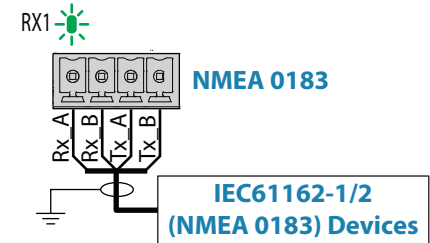
## NMEA 2000 wiring (Card 1)

→ **Note:** The cable shield should be connected to NET-C.

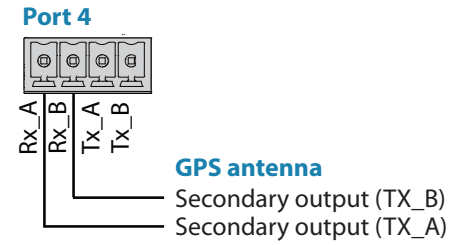
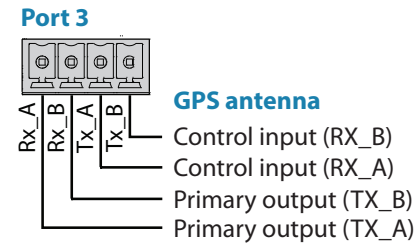


## NMEA 0183 (Port 1- 12) wiring

→ **Note:** Port 3 is dedicated for smart antenna connection and will reset to 19200 baud after a power cycle.

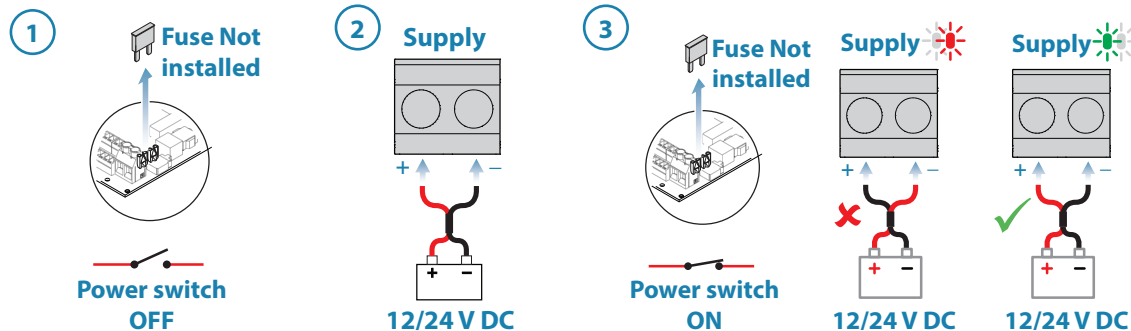


## Simrad smart GPS antenna



→ **Note:** Power can be taken directly from the 12/24 V DC power supply terminal.

## Power wiring and polarity check



## RTCM input

