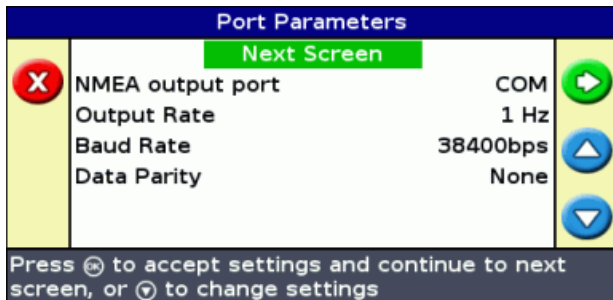


# Configuring NMEA message output

NMEA (National Marine Electronics Association) messages are a standard format that enables GPS devices to communicate.

The lightbar can output NMEA messages. This means that the lightbar can communicate with other devices, even those created by other manufacturers, so long as the other device is also compatible with NMEA messages.

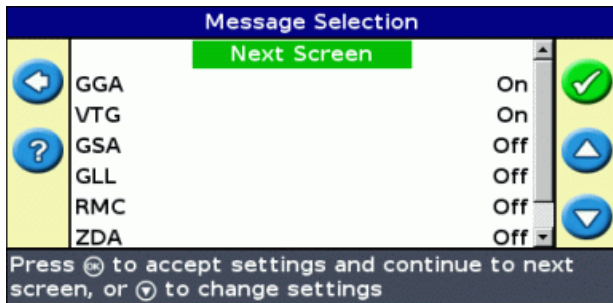
To configure NMEA output, select *Configuration / System / GPS / NMEA Output*.



1. Set the *NMEA output port* option to the lightbar port that the NMEA device is connected to.
2. Set the lightbar port parameters.

**Tip** – To be able to communicate, the parameters must match those of the device.

3. Select Next Screen and then press OK. The *Message Selection* screen appears.



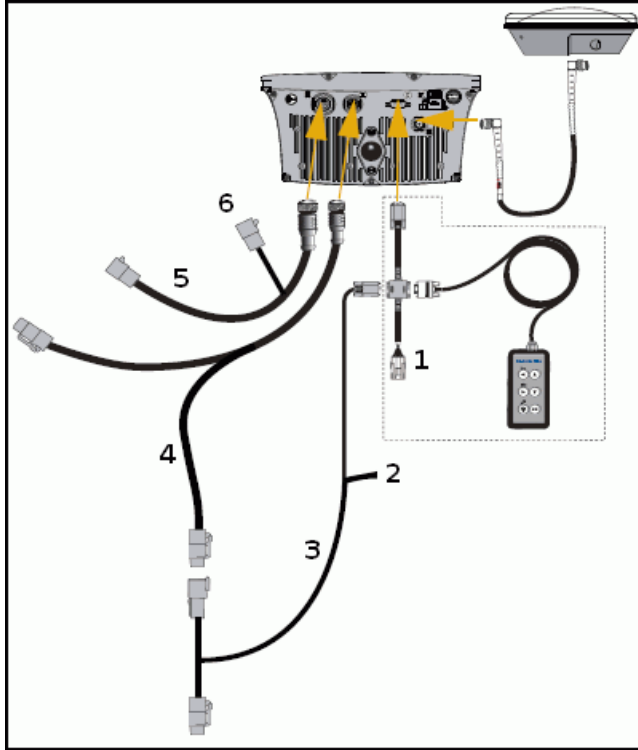
4. Set the various message formats to On or Off, depending on whether they are required.
5. Select Next Screen and then press OK.
6. If you turned GGA on, then select the number of decimal places in the GGA message.

**Note:** Some external devices cannot read the GGA message if there are too many decimal places in the string.

## Outputting NMEA messages with RTK corrections

If you are using RTK corrections and outputting NMEA, you must connect the NMEA device to the AUX port.

Use the port expansion cable (P/N 62609) and the accessory cable (P/N 63076):



**ITEM DESCRIPTION**

- 1 External interface cable (P/N 62749)
- 2 To RTK radio
- 3 RTK radio cable
- 4 EZ-Guide 500 power cable (P/N 62817)
- 5 Port expansion cable (P/N 62609)
- 6 Connect COM 2 port connection cable (P/N 63076) and then NMEA device