



Equipment required for setup: • Powersupply • Antennas and cabling

Initial setup

1. Mount the antenna/s. Refer to the information below for guidance on some of the possible LD900 antenna setups.
2. 'GNSS2' connections are required for heading installations and, where authorised, secondary positioning.

Model	'LBAND'	'GNSS1'	'GNSS2'	'BEACON'
LD900L (L-band)	V86	--	--	--
LD900 (L-band & GNSS)	V86	V560	V560	--
LD900M (L-band, GNSS & IALA)	V86	V560	V560	V86 or V560

Possible antenna setups based on model

4. Mount the receiver in a well-ventilated location.
5. Connect the antennas to the receiver.
6. Connect the power supply to the unit.

Enabling Veripos services

- Users can navigate the LD900 screen by using the front panel Navigation, Back and Home buttons.
- The system Menu is available at the top left of the Status screen (≡).
- The LD900 will automatically track the three highest-elevation L-band beams available. On LD900L models, the Status screen will display the beams in use and on LD900 & LD900M models, **Corrections > Veripos** will display the beams in use.
- Email Veripos Support (support@veripos.com), specifying the User Code (see **Receiver > Details** if required), vessel name, services required and the vessel SAL number.
- To verify enabled services on LD900 & LD900M models, navigate to **Receiver > Authorisations**.
- The default PPP mode for GNSS1 and GNSS2 is Apex. To switch either to Ultra or Auto, navigate to **Configuration > Positioning**.

Port configuration

- Navigate to **Configuration > Ports** to configure serial **COM** and TCP/IP **ICOM** (or) Moxa **P** (if using Moxa) data.
 - Input types are VRTCM, RTCMV2, RTCMV3, CMR, IOLAN and NOVATELX.
 - Output types are NMEA, UKOAA, TRINAV, VRTCM, INS (if licensed) and Others
- Moxa users should note the following:
 - LD900 systems interfaced to a Moxa device will provide a Moxa P port instead of a TCP/IP ICOM port.
 - P1 - P7 data will be input/ output on Moxa ports 1 – 7, with P7 duplicated and output on P8.
- NMEA messages available for output are GGA, GLL, VTG, ZDA, GST, GSA, GSV, GRS, RMC, HDT, PASHR and INHDT.
 - NMEA message HDT will only be output if Heading has been licensed and turned on (**Configuration > Heading > State**).
 - NMEA messages PASHR and INHDT will only be available if INS is licensed.
- INS messages INSPVA, HEAVE, TSS1, STDEV, SHEAVE and DHEAVE will only be available if INS is licensed.

Contact Hexagon | Veripos

For further guidance, download the *LD900 Installation and Operations Manual* from www.veripos.com
 Alternatively, for expert 24/7 advice via phone or email, raise a request for assistance via support@veripos.com.