HEXAGON | **veripos**

1 USB Port	**5** User Code
2 Screen Brighter	**6** Navigation Buttons
3 Screen Darker	**7** Back Button
4 LCD Screen	**8** Home Button

Equipment required for setup: • Power supply • Antennas and cabling

Initial setup

1. Mount the antenna/s, referring to the below for guidance on some of the possible LD900 antenna setups.
2. The default Source Antenna is L-band, however on LD900 & LD900M models this may be changed to 'GNSS1' once booted.
3. 'GNSS2' connections are required only for heading installations.

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 in the top left hand of the Status screen (☰).
- Change the default Source Antenna, to 'GNSS1' via **Configuration > Corrections > L-band** if required.
- The LD900 will automatically track the three highest elevation L-band beams available. The beams in use on LD900L models will be shown on the Status screen and beams in use on LD900 & LD900M models can be found by checking **Corrections > VERIPOS**.
- 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 is Apex. To switch to Ultra navigate to **Configuration > Positioning > Mode**.

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 and INS (if licensed).
- 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 input/ output on Moxa ports 1 – 7, with P7 duplicated and additionally output on P8.
- NMEA messages available for output are GGA, GLL, VTG, ZDA, GST, GSA, GSV, GRS, RMC, HDT and PASHR.
  - NMEA message HDT only be output if Heading has been licensed and turned on (**Configuration > Heading > State**).
  - NMEA message PASHR will only be available if INS is licensed.
- INS messages INSPVA, HEAVE and TSS1 will only be available if INS is licensed.

Contact Hexagon | VERIPOS

For further guidance, download the *LD900 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.