

The majority of LD8 configuration is carried out by using terminal commands. The text below summarises the most common configuration requirements and the relevant command information. The WebUI provides a terminal which can send commands and receive information from the unit. The terminal can be accessed from the main page by navigating to **Tools > Terminal**. Use `SAVEETHERNETDATA ETHA` to save IP address related changes and `SAVECONFIG` to save any other changes.

L-BAND

CHECK UNIT STATUS

LOG VERIPOSSTATUSA

```
VERIPOSSTATUSA,WCOM1,0,67.0,FINESTEERING,2040,375008.267,02008020,0719,14970,ENABLE,LOCKED*0d439ce3
```

Access options available are: ENABLE or DISABLE. Sync options are: LOCKED or NO_SIGNAL

CHECK TRACKED L-BAND BEAM & SIGNAL STRENGTH

LOG LBANDTRACKSTATA

```
LBANDTRACKSTATA,WCOM1_30,0,67.5,FINESTEERING,2043,205035.000,02008020,29e3,14970;3,"25E",1545825000,1200,974c,00c2,0,-223.438,44.399,4.0385,23928.572,455744,23,22,58335232,2873,0.0000,"",0,0,0000,0003,0,0.000,0.000,0.00
```

Tracked L-Band beam is found in quotation marks, i.e. "AORW" or "25E". Signal strength is the 19th comma separated value.

Note: Where in Auto Mode, three beams will be displayed.

SELECT AN L-BAND BEAM

ASSIGNLBANDBEAM **AUTO**

Options available are: AUTO, 98W, AORW, 25E, IOR or 143.5E

CHECK UNIT ID & SERVICE CODE (IF ENABLED)

LOG VERIPOSINFOA

```
VERIPOSINFO,WCOM1,0,66.5,FINESTEERING,2040,378378.140,03008020,2bd7,14970,<123456>,NCC_CONTROLLED,80000733,"X"
```

The unit ID will be a 6-digit number and the service code will be a single alpha-numeric character

GNSS

CHANGE PPP CORRECTIONS SOURCE

PPPSOURCE **APEX**

Options available are: Apex or Ultra.

ENABLE NMEA TYPES FOR COM 1-3

LOG COM1 GPGGA **ONTIME 1**

Options available are: GPGGA, GPGSA, GPGLL, GPGSV, GPVTG, GPGRS, GPZDA, GPRMC, GPGST, VERIPOSUKOOASENTENCE and GPHTDUALANTENNA

DISABLE NMEA TYPES FOR COM 1-3 (GPGGA EXAMPLE)

UNLOG COM1 GPGGA

SET BAUD RATES FOR COM 1-3

SERIALCONFIG COM1 **9600** **N 8 1 N OFF**

Options available are: 2400, 4800, 9600, 19200, 38400, 57600 and 115200

ADDITIONAL CONFIG

CHECK IP & SUBNET SETTINGS

LOG IPSTATUSA ONCE

```
IPSTATUSA,COM1_30,0,65.0,FINESTEERING,2043,203989.000,02008020,7fe2,14970;2,ETHA,"192.168.1.123"
```

IP and subnet settings can be found in output (preceded by ETHA) within quotation marks.

CHANGE ETHERNET STATIC IP

IPCONFIG ETHA STATIC 192.168.2.8 255.255.255.0 192.168.2.1

The format for the above example is as follows: `IPCONFIG [interface_name] [address_mode] [IP_address] [netmask] [gateway]`

CHANGE FROM STATIC IP TO DHCP

IPCONFIG ETHA DHCP

To change back to static IP simply follow the previous 'CHANGE STATIC IP SETTINGS' instruction.

ENABLE PULSE PER SECOND

PPSCONTROL ENABLE **NEGATIVE**

Options available are: POSITIVE or NEGATIVE.

DISABLE PULSE PER SECOND

PPSCONTROL **DISABLE**

LIMIT DQI

GGAQUALITY 4 OUT_OF_BOUNDS 2 WAAS 2 PPP 2 PSRDIFF 2

The above example will limit the DQI to '2'. Alternatively select digit '5' to limit the DQI to 5.

CHANGE NMEA PRECISION

NMEAFORMAT GGA_LATITUDE **10.5**

The above example will change the Latitude to a precision of 5 decimal places on the minutes.

Detailed below are the commands required to change Latitude and Longitude for each precision value:

Precision	Latitude	Longitude
5	<code>NMEAFORMAT GGA_LATITUDE 10.5</code>	<code>NMEAFORMAT GGA_LONGITUDE 11.5</code>
6	<code>NMEAFORMAT GGA_LATITUDE 11.6</code>	<code>NMEAFORMAT GGA_LONGITUDE 12.6</code>
7	<code>NMEAFORMAT GGA_LATITUDE 12.7</code>	<code>NMEAFORMAT GGA_LONGITUDE 13.7</code>
8	<code>NMEAFORMAT GGA_LATITUDE 12.8</code>	<code>NMEAFORMAT GGA_LONGITUDE 14.8</code>