Data Logger

User Manual

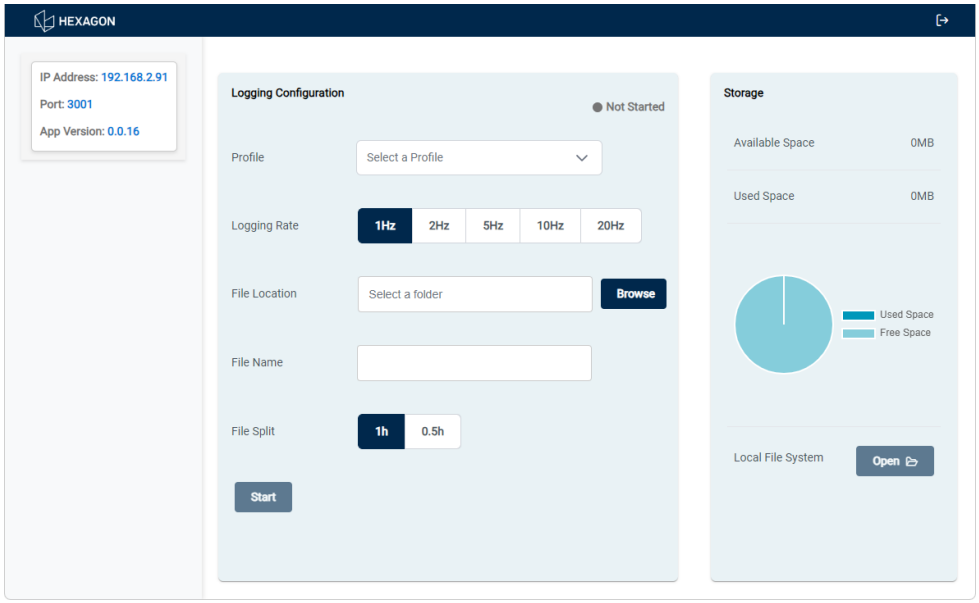
AB-V-MA-006661_RevA1
26 February 2026

Contents

1 Introduction

1.1 General information

Data Logger is a utility from Hexagon | Veripos that automates the capture and management of data logs from LD8 and LD900 receivers. It enables the collection of INS, PPP, interference, and continuous RINEX logs for post-processing and analysis of critical navigation and positioning data that normal system logging does not retain.



1.2 Veripos Support

Veripos Support is the first point of contact for all Veripos technical support and fault reports, available 24 hours a day, 365 days per year. Full contact details are available in the Contact information section.

For support cases, contact support.veripos@hexagon.com or raise a ticket at https://help.veripos.com. Either method will immediately notify Veripos Support, who will then assist.

Veripos Support will provide initial help and may, if necessary, escalate tickets to regional on-call engineers to provide more in-depth technical support.

To aid support, upon first contact, please provide the following:

- Details of the issue or question
- Vessel name
- Company name
- Telephone number
- Unit user code
- Veripos hardware type
- Veripos software type
- Operating area
- Is this issue holding up operations?
- Any other relevant information

2 Installation

Data Logger is available for download from the Veripos support site https://help.veripos.com.

2.1 PC Minimum Requirements

The operating systems currently supported by Data Logger are Windows 10 or later (64bit).

The minimum specifications for running Data Logger software are:

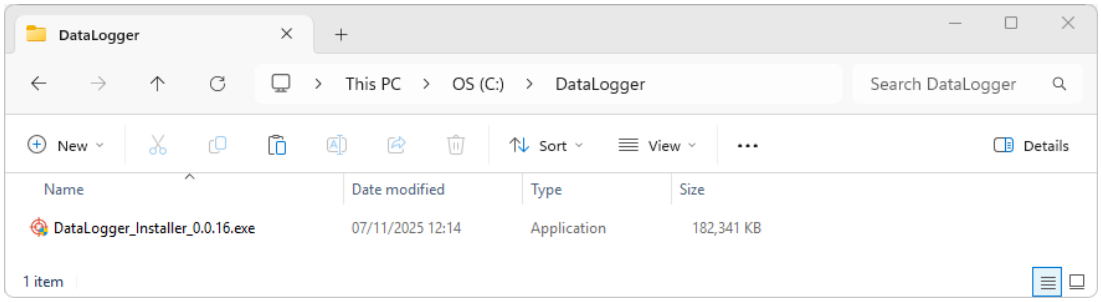
Processor:	i5 (2nd generation or later) @ 3.2GHz
Memory:	3 GB RAM
Storage:	500 MB
Ethernet:	10/100 Mbps
Display:	17”, 1280 x 1024 minimum resolution
Peripherals:	Mouse & keyboard
Operating system:	Windows 10 or later (64-bit)

2.2 Software installation procedure

The procedure for installing the Data Logger software on a PC is detailed below.

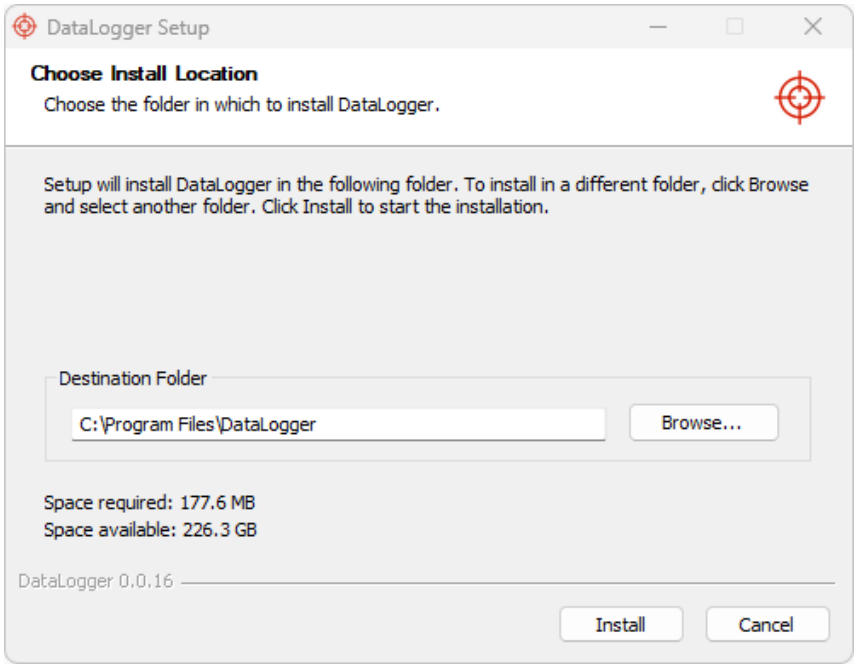
2.2.1 Installing Data Logger on a PC

Double-click the Data Logger installer file (the version number may differ from the example below):



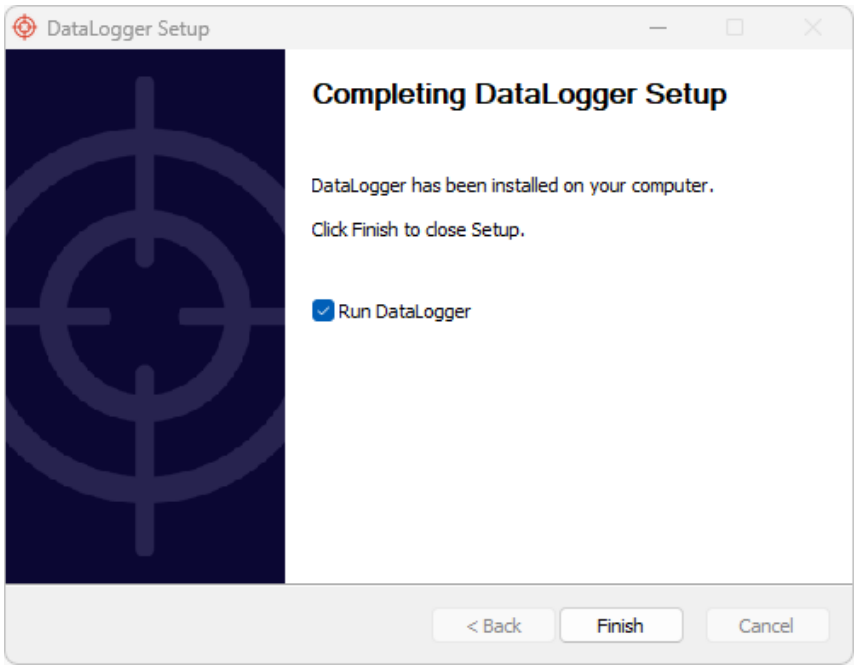
Data Logger installer file

Select the folder where you wish to install the Data Logger software, or leave the setting as the default directory and click **Install**:



Data Logger Setup - Choose Install Location

A confirmation will appear upon completion of installation. Click **Finish** to close the installer:



Data Logger Setup - Completion

Users may now launch Data Logger from the Windows Start Menu.

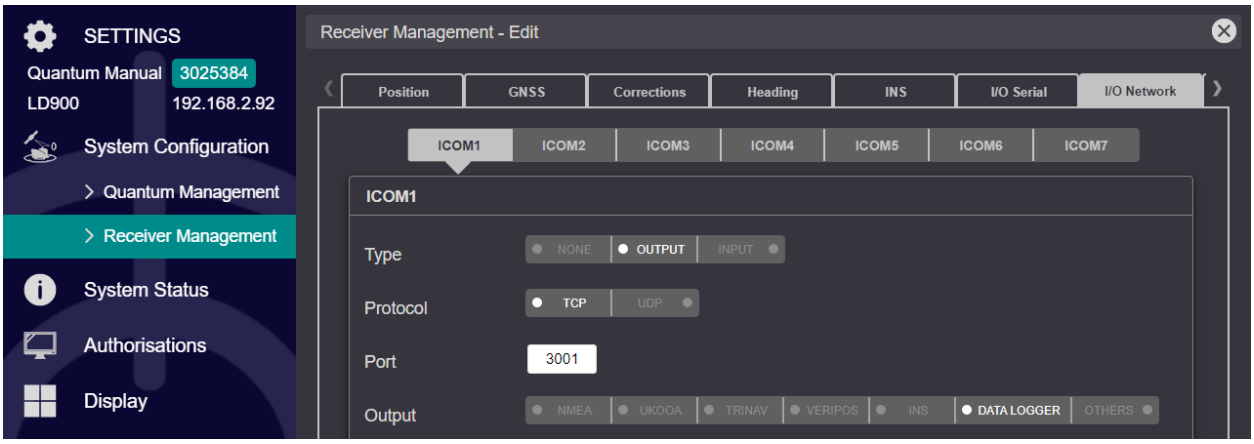
3 Configuration and operation

To log in to Data Logger, users must first configure Data Logger output on the receiver.

NOTE
Setting **Protocol** to **UDP** will prevent Data Logger from connecting to the receiver.

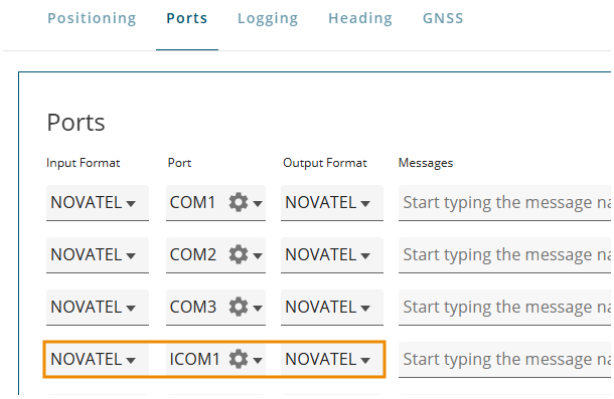
3.1 Quantum configuration

Navigate to **Settings > Receiver Management > I/O Network**, select an available ICOM port, set Type to **Output**, Set Protocol to **TCP**, provide a **Port** number and set Output to **Data Logger**:



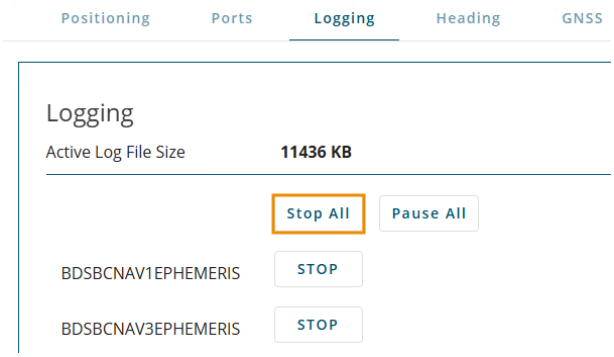
3.2 LD8 configuration

To configure an LD8 via WebUI, navigate to **Configuration > Ports**. Select an available ICOM port, set **Input Format** and **Output Format** to '**NOVATEL**' and scroll to the bottom of the page and click '**Apply**':



NOTE
ICOMs 1 - 7 relate to ports 3001 - 3007 respectively.

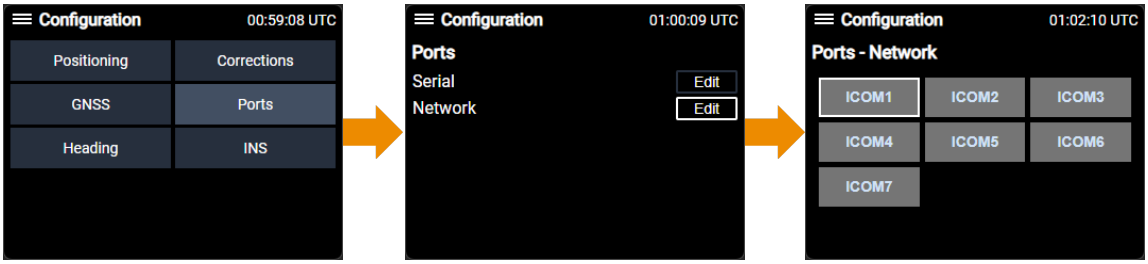
Prior to logging PPP or Interference logs, users must navigate to **Configuration > Logging** and **Stop All** internal logging:



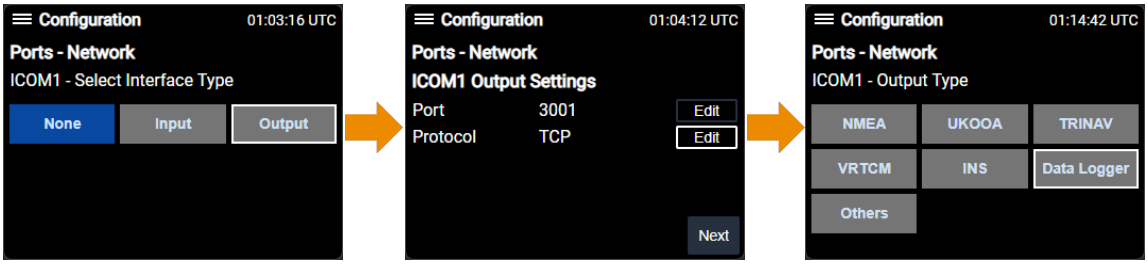
Upon completion of logging, rebooting the LD8 will restart internal logging.

3.3 LD900 configuration

To configure an LD900 via the front-screen panel, navigate to **Menu > Configuration > Ports**, and then select an available ICOM port:

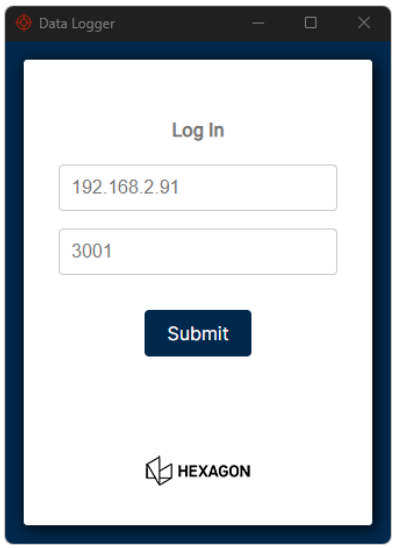


Select **Output**, change the Port number where required, and set Protocol to '**TCP**'. Click **Next** and select **Data Logger**:



3.4 Log In

Upon launch, Data Logger provides a **Log In** window. Enter the output IP Address and Port settings:

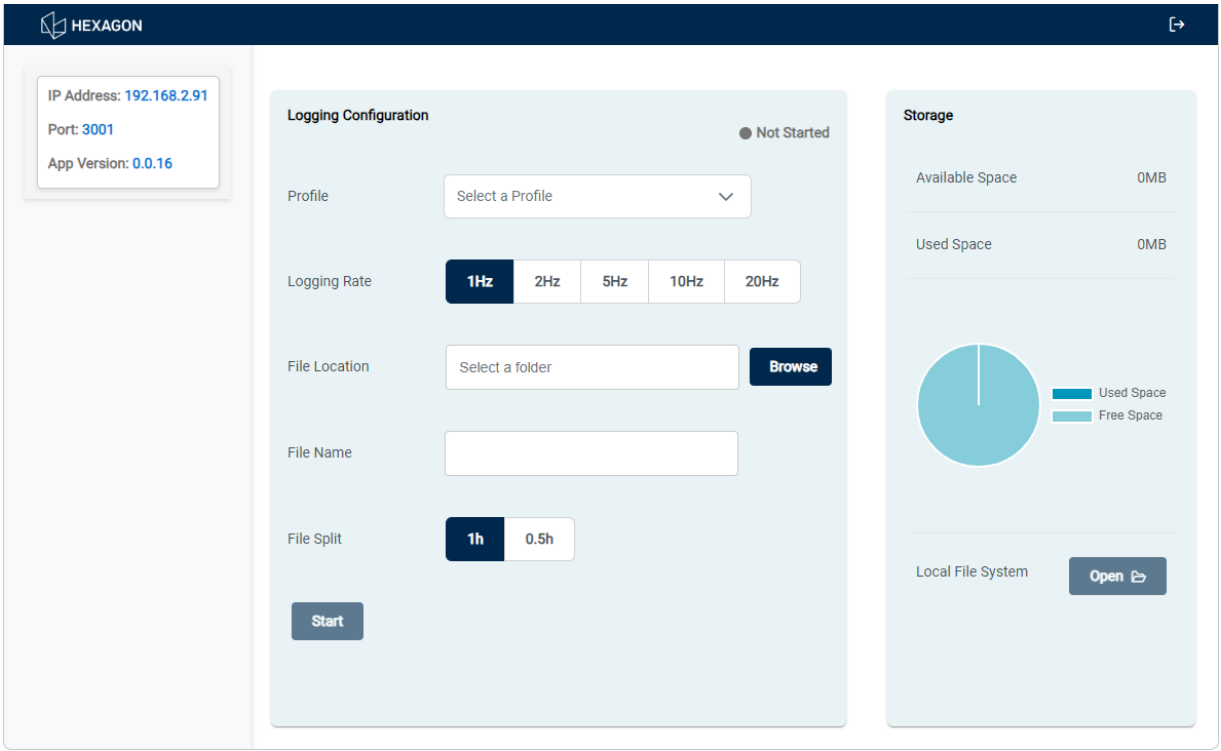


Data Logger Log In

3.5 Data Logger main screen

Users may click the top-right logout icon to return to the Log In screen.

Upcoming sections cover Logging Configuration and Storage.

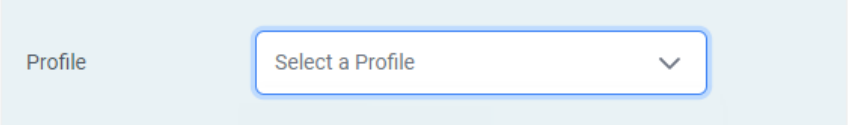


Data Logger main screen

3.6 Logging Configuration

3.6.1 Profile

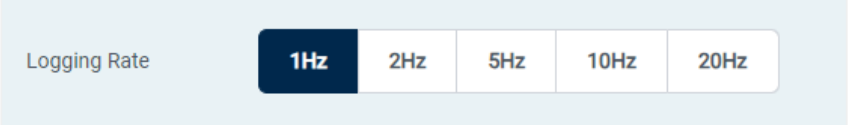
Data Logger can output RINEX (v2.1, v3.01, v3.02, v3.03 or v3.04), INS, PPP or Interference log types.



Logging Configuration - Profile

3.6.2 Logging Rate

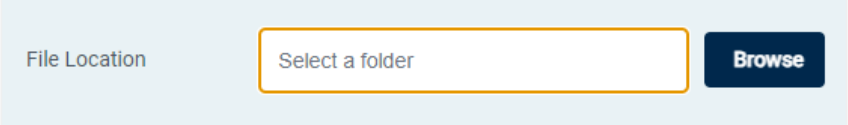
Logging rates of 1Hz, 2Hz, 5Hz, 10Hz or 20Hz are available.



Logging Configuration - Logging Rate

3.6.3 File Location

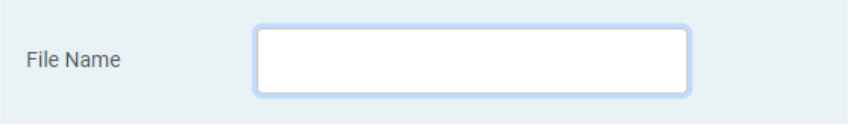
Select a system location with sufficient storage to output file logs. Data Logger creates a new folder within the specified location for each day of logging.



Logging Configuration - File Location

3.6.4 File Name

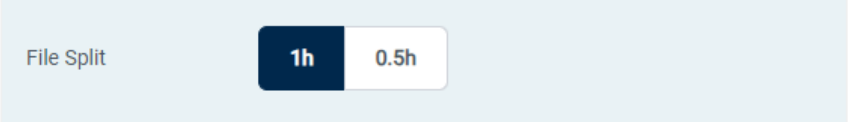
Provide an appropriate file name which avoids the characters ' **/ : * ? " \ , . |** '.



Logging Configuration - File Name

3.6.5 File Split

Data Logger can split log files every hour or every half hour.

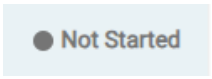


Logging Configuration - File Split

3.7 Commencing logging

Upon completion of Logging Configuration, click **Start** to begin file logging. Click **Stop** to cease logging.

Once logging starts, the main screen logging status will switch from **Not Started** to **In Progress**.



Logging status - Not Started

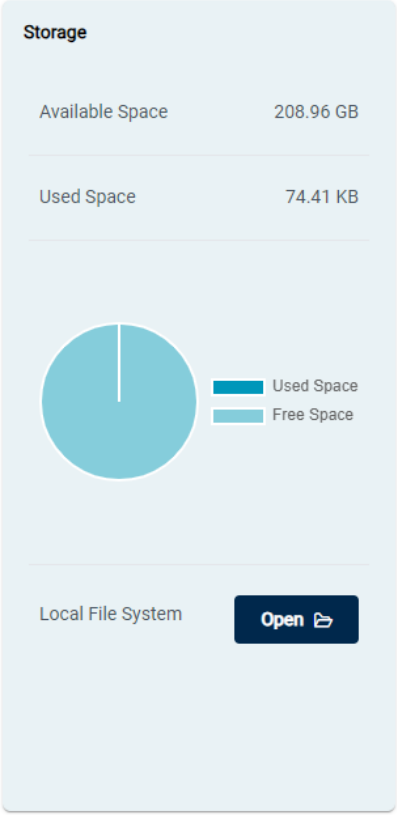
Logging status - In Progress

Any unexpected end to logging will result in an **Error** status; see the Troubleshooting section.

3.8 Storage

The Storage section of Data Logger provides visualisation of the **Available Space** of the selected drive, as well as **Used Space** - the quantity of space taken up by current logging.

Users may click **Open** to view the currently logged files.



Data Logger - Storage

4 Troubleshooting

Use this section to assist with any problems encountered when using Data Logger. Where required, refer to the LD8, LD900 or Quantum user manuals for further guidance.

4.1 'Error'

Possible cause	Solution
Loss of receiver power	Ensure that the receiver is powered on
Change to configuration	Ensure that ICOM settings have not changed
INS logging issue	INS logging is only valid for LD900M models, which require a valid INS auth code

4.2 'Disc Full'

Cause	Solution
No space in the selected file location	Ensure that there is space in the selected file location; otherwise, choose an alternative storage location

4.3 'Maximum number of logs exceeded'

Cause	Solution
The receiver has reached a maximum number of outputs	Reduce the number of any other receiver message outputs

5 Contact information

All initial contacts regarding technical or support issues should be initially addressed to Veripos Support. Where appropriate Support will refer issues to the regional operations and engineering teams.

5.1 Veripos Support details

Veripos Support website	https://veripos.com/support
Veripos Support telephone	+44 1224 965900
Veripos Support e-mail	support.veripos@hexagon.com