# GURALP DATA BOX

QUICK START GUIDE

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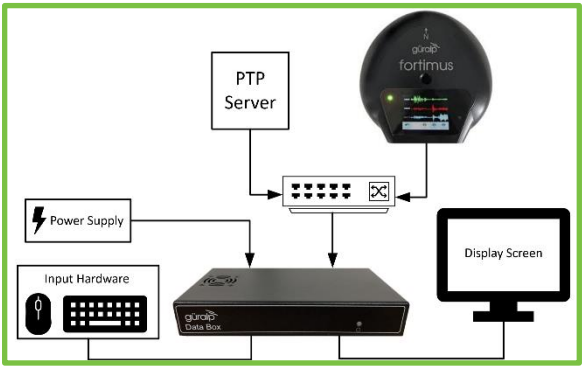
## Initial Setup

Güralp Data Box (circled left) is provided with a power cable. The simplest setup is to connect it to power and a local network with ethernet and allow it to self-configure via DHCP.




1

Connect the Güralp Data Box to power and to the network using the cables supplied, as shown above. When switched on, the Güralp data box will automatically start and run the Güralp Data Centre software package.

# Initial Setup (cont.)

2

The GDB comes pre-installed with Güralp Discovery software, which provides functionality to configure seismic instruments over a network and monitor the State of Health (SoH) of Güralp devices.

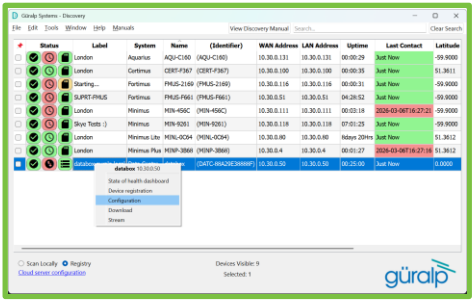
3

Upon connecting the GDB to a power source, it should automatically launch Discovery software. If the application is closed, it will automatically restart after 20 seconds.

4

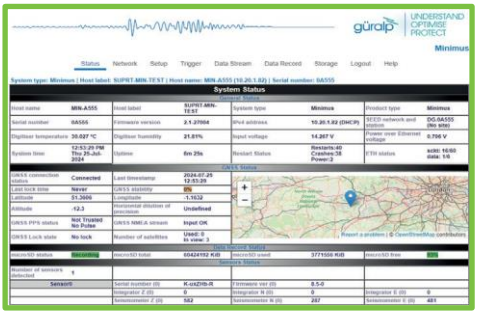
On launch, Discovery will begin hosting a Modbus TCP/IP server containing the most recent device information and spawn a CAP message receiver. The CAP receiver is set by default to listen for CAP messages on port 11900. The Modbus server is configured by default to use port 11502.

# Configuring and Using GDC



By default, Discovery is configured to scan for devices on the local network. In the bottom-left of the main Discovery interface, change the view to “Registry” mode. Right-click on the Data Centre instance and select “Configuration”.

To connect a station to the GDC, click the corresponding button to add from those already discovered on the local network, or manually for those not. With all connections added, click “Apply”. These stations should now be sending their seismic data to be recorded in the GDC.



The Discovery-hosted Modbus server reads selected device information from the registry (within GDC). To add a device to the registry, the station must be configured with the GDB registry address and a Group ID.

NOTE: This is not the same as adding an instrument to the GDC!

## Notes

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