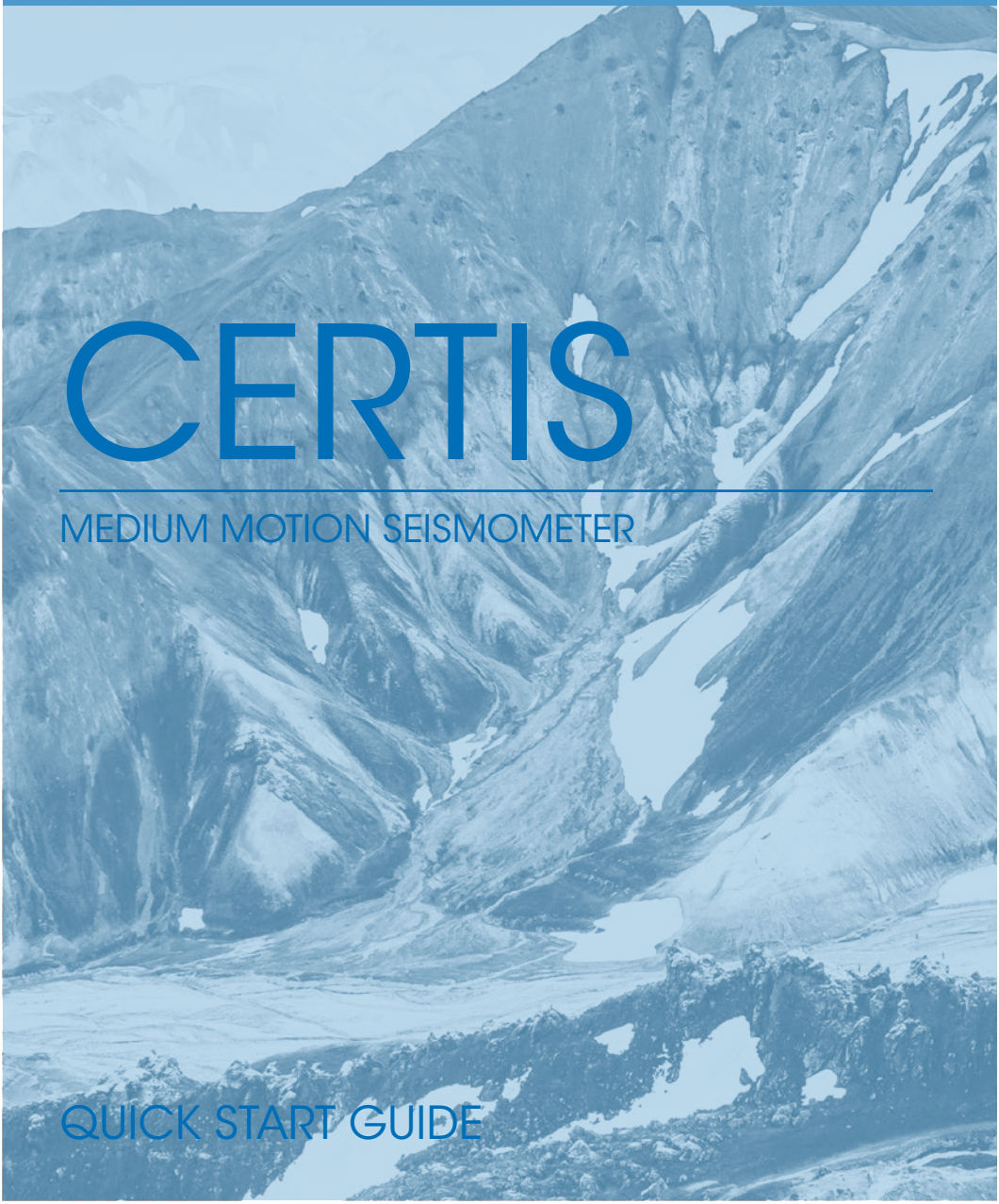
güralp

CERTIS

MEDIUM MOTION SEISMOMETER

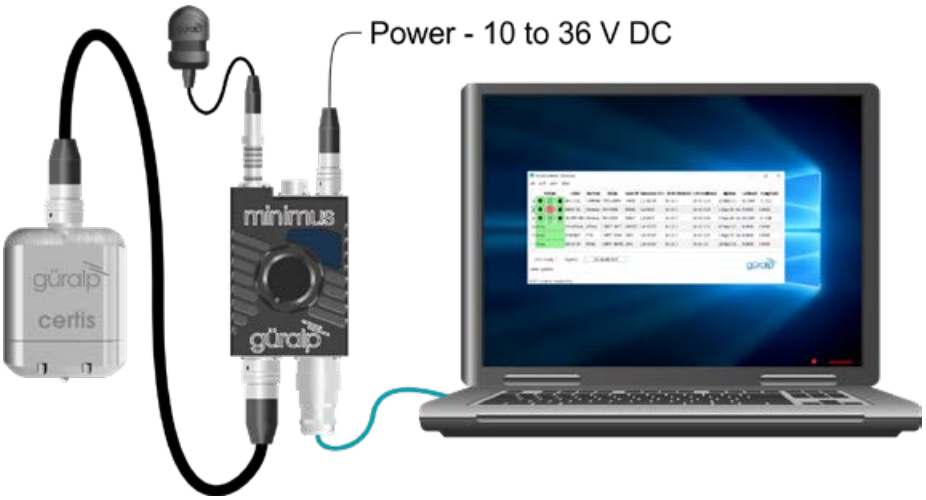


QUICK START GUIDE

Certis

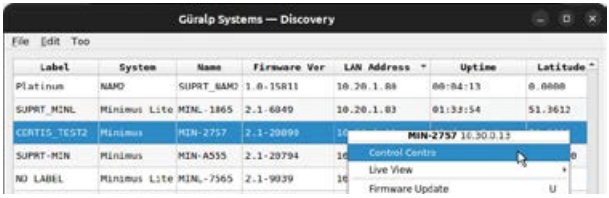
QUICK-START GUIDE

Initial hardware setup



Prepare the Minimus for digital connections:

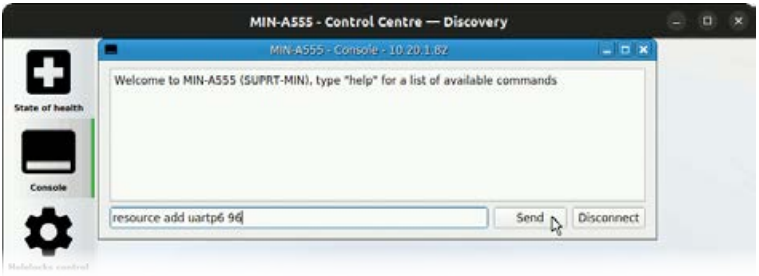
1. Open the Discovery application and locate the digitiser in the main list.
2. Right-click on the digitiser in the main list and select **Control Centre** from the context menu:



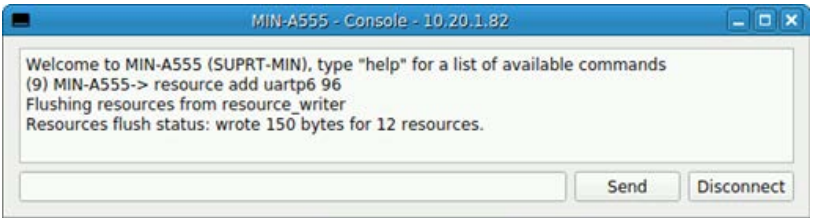
3. When the Control Centre window opens, click the Console icon in the left-hand tool bar.
4. When the Console window opens, place the cursor in the command box at the bottom and type the following:

   `resource add uartp6 96`

   Your screen should look like this:



5. Click Send and the Minimus will respond with a short message:



6. With the Certis connected to the Minimus, type

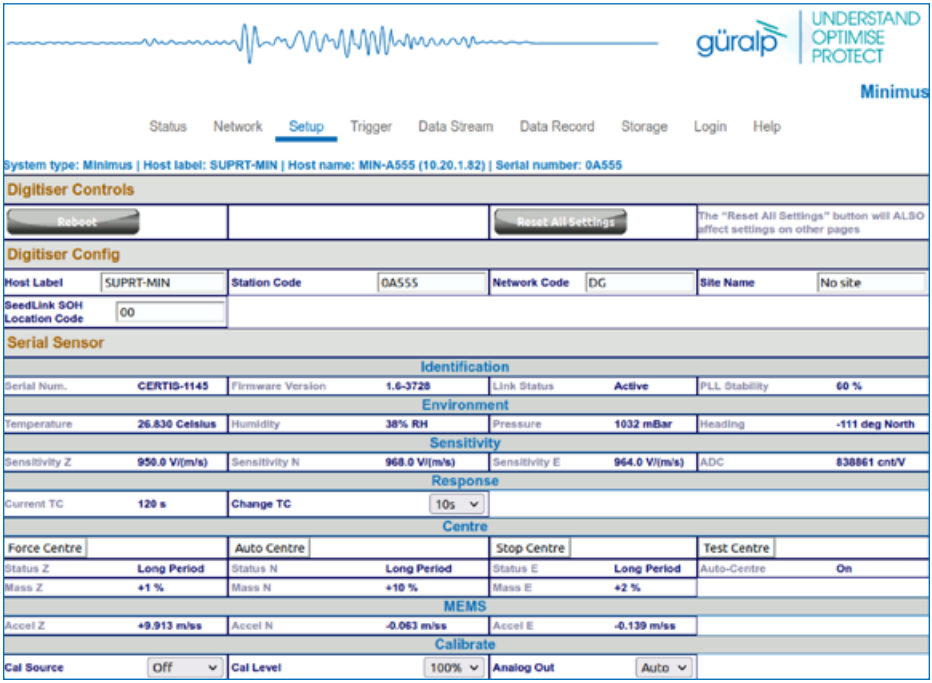
   `reboot`

   and click Send again. This will power-cycle the digitiser. Click Disconnect to end the console session and close the Control Centre window.

   When it has finished rebooting, the Minimus will communicate digitally with the Certis.

Configure the response

Open the web interface of the Minimus and navigate to the **Setup** tab. Scroll down to the **Serial Sensor** section, under **Digitiser Controls** and **Digitiser Config**.



The current long-period corner of the frequency response is shown in the **Response** sub-section as **Current TC**. The adjacent drop-down menu can be set to any of 10, 20, 30, 45, 60, 90, 100 and 120 seconds. Select the desired long-period corner and wait for a few seconds for the instrument to adjust. The **Current TC** value will change to show the new response once the process is complete.

Configure the sample rate

The outputs of a Certis can be streamed and/or saved to the Minimus' SD card. The channel names are shown below:

Component	Vertical	North/South	East/West
Streamed channels	CertisZ0_	CertisN0_	CertisE0_
Recorded channels	CertisZ0_sd	CertisN0_sd	CertisE0_sd

The sample rates for streamed outputs and for recorded data are set independently: those for streaming outputs are configured via the **Data Stream** tab and those for recorded data are configured via the **Data Record** tab of the Minimus' web interface. Each channel on these two tabs has an associated drop-down menu which presents a wide choice of sample rates along with an option to disable the channel.

Note: Each of these tabs has a drop-down menu called **Display Streams**, located just above the **Channels configuration** section. It offers the choice of **Enabled only, Disabled only** and **All**. If the channels that you wish to configure do not appear in the table below, set this control to **All** or **Disabled only**, configure the desired sample rates for the missing channels and then set this control back to **Enabled only**.

Güralp Systems Limited
Midas House
Calleva Park
Aldermaston
Reading
RG7 8EA
United Kingdom

T +44 1189 819056
F +44 1189 819943
E sales@guralp.com
E accounts@guralp.com
E admin@guralp.com
E support@guralp.com
www.guralp.com

Güralp Quality Certificate

It is hereby certified that the product identified below has been fully tested and calibrated in accordance with the Güralp Quality Assurance Programme.

The Güralp Quality Management System is accredited to ISO 9001:2015 for the design and manufacture of low noise broadband seismometers, accelerometers, digitisers and networking equipment.

All calibration equipment is certified by an independent test laboratory accredited to ISO 17025:2005.

Certificate Serial Number

Product Serial / Batch Number

Final Quality approval

Date

Güralp Systems Limited.
Registered Office, 3 Midas House,
Calleva Park, Aldermaston,
Reading, RG7 8EA
Registered in England no. 2199239
VAT Registration no. 491 4657 20

Notes

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Güralp Systems Limited
Midas House
Calleva Park
Aldermaston
Reading
RG7 8EA
United Kingdom

T +44 118 981 9056
F +44 118 981 9943
E sales@guralp.com

www.guralp.com

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