güralp

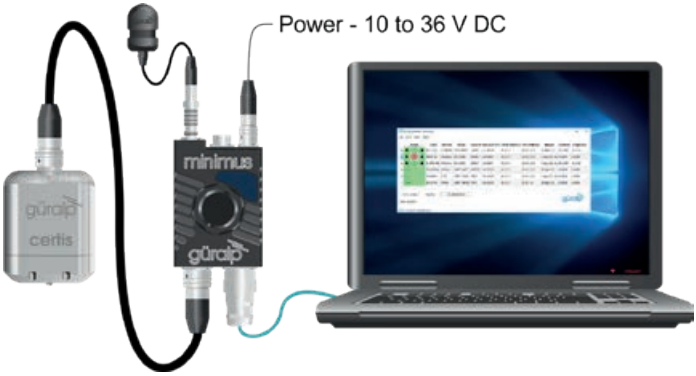
CERTIS

MEDIUM MOTION SEISMOMETER

QUICK START GUIDE

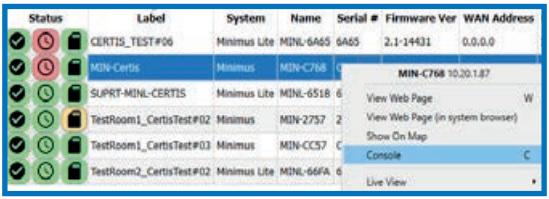
CERTIS

Initial Hardware Setup



Connection Setup for Minimus Family

1. Open the Discovery application and locate the digitiser in the main list.

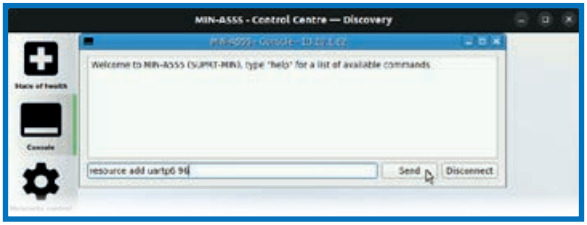


2. Right-click on the digitiser in the main list and select **Console** from the Context menu.

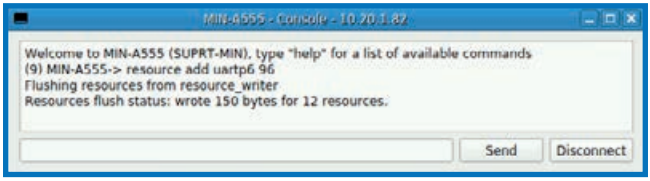
3 When the Console window opens, place the cursor in the command box at the bottom and type the following:

```
resource  add  uartp6  96
```

Your screen should look like this:



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



5 With the Certis connected to the Minimus, type:

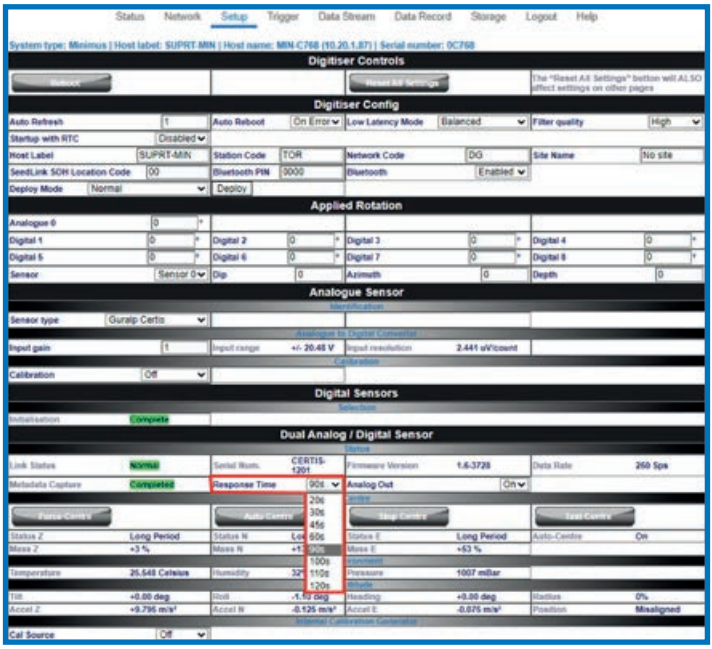
```
reboot → no output given
```

and click Send again to power-cycle the digitiser. Click Disconnect to end the console session and close the Console. It will auto disconnect after 20s with a Reconnect button becoming interactable.

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 **Dual Analog/Digital Sensor** section.



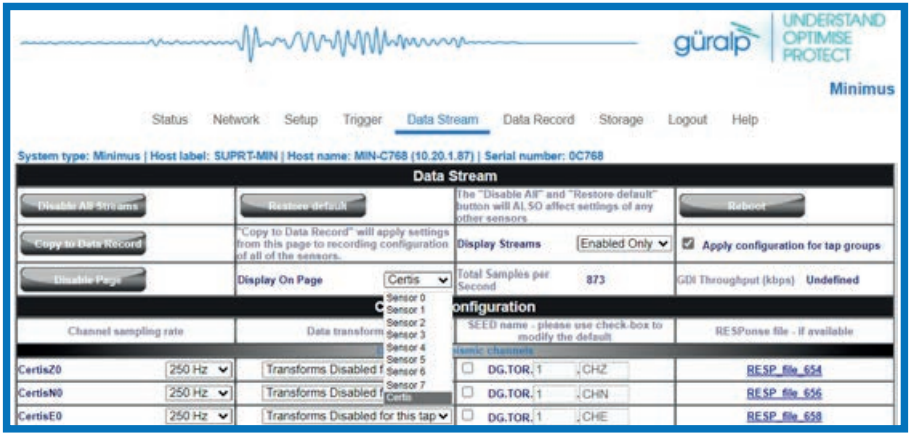
The current long-period corner of the frequency response is shown as **Response Time**.

Select the desired long-period corner and wait for a few seconds for the instrument to adjust.

The **Response Time** 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 three main seismic channels can be found by selecting "Certis" from the "display on page" drop-down menu. They are CertisZ0, CertisN0 and CertisE0.



Sample rates for streamed and recorded channels can be configured via the Minimus' web interface, using the Data Stream and Data Record tabs respectively.

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**.

Next Steps

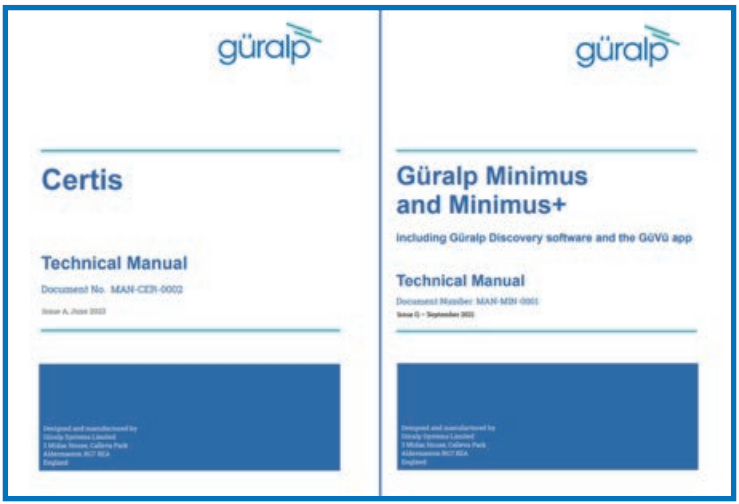
For detailed information on usage, control and configuration of the Radian, Güralp highly recommends first reading the **Minimus Manual MAN-MIN-0001**:

www.guralp.com/documents/MAN-MIN-0001

Followed by the **Certis Manual MAN-CER-0002**:

www.guralp.com/documents/MAN-CER-0002

It may also be important to update firmware on the Minimus - refer to Section 5.18 of MAN-MIN-0001 for more details.



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

Quality Certificate

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

It is further certified that any product designed and manufactured by Güralp Systems Ltd is carried out in accordance with the applicable Original Manufacturer Approvals.

The Güralp Quality Management System has been assessed and is certified to meet the requirements of ISO 9001:2015 for the design and manufacture of low noise Broadband Seismometers, Accelerometers, Digitisers and associated networking equipment.

All our calibrated reference equipment is certified by an independent test laboratory, and in compliance with the international standard ISO/IEC 17025:2005.

Certificate Serial Number:	Product Serial / BatchNo:
Final Quality Approval:	Date of Issue:

Notes

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

MSH-CER-0002 Issue B