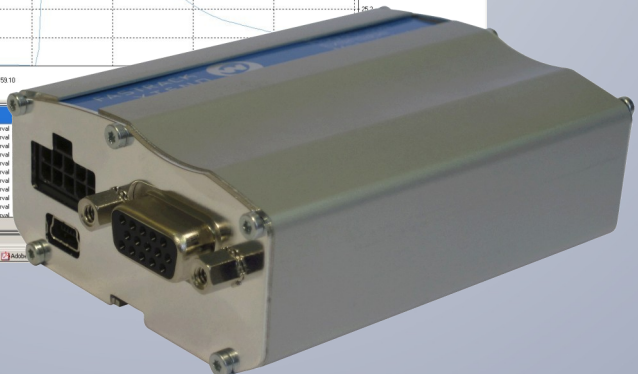


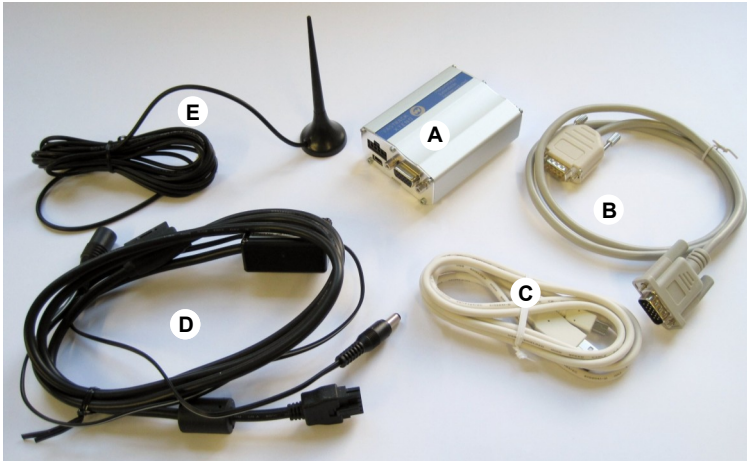
GSM Modem for SQ2010\20\40

The screenshot displays the 'Logger Data Analysis' software interface. At the top, a menu bar includes 'File', 'View', 'Graph', 'Tools', and 'Help'. Below the menu is a toolbar with icons for file operations and graphing. The main window is titled 'Quick Start Demo' and contains a line graph. The graph's y-axis is labeled 'Ref Junction 1 (C)' and ranges from 24.0 to 30.2. The x-axis is labeled 'Time' and shows a date and time range from 20/10/2003 15:12:58.10 to 20/10/2003 15:13:08.10. A legend indicates the data series is 'Ref Junction 1 (C)'. The graph shows a sharp rise in temperature followed by a gradual decay. Below the graph is a table with two columns: 'Time' and 'Interval'. The table lists time intervals and internal readings. At the bottom of the window, there is a status bar with icons for file operations and a text area showing 'TX OK'.

Time	Interval
20/10/2003 15:12:58.10	Internal
20/10/2003 15:13:00.10	Internal
20/10/2003 15:13:01.10	Internal
20/10/2003 15:13:02.10	Internal
20/10/2003 15:13:03.10	Internal
20/10/2003 15:13:04.10	Internal
20/10/2003 15:13:05.10	Internal
20/10/2003 15:13:06.10	Internal
20/10/2003 15:13:07.10	Internal
20/10/2003 15:13:08.10	Internal
20/10/2003 15:13:09.10	Internal



Equipment Checklist



GSM Modem Pack contents

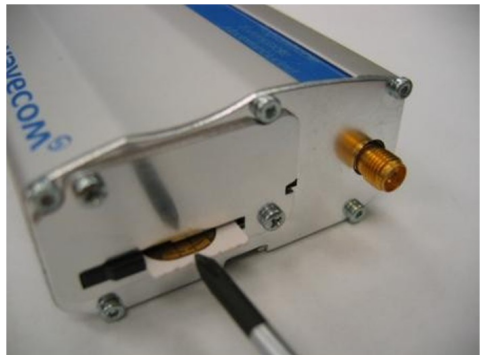
- A) GSM Modem
- B) RS232 Lead
- C) USB lead (currently not used)
- D) Power lead
- E) Aerial

Equipment Setup

- 1** Insert a suitable date enabled SIM card into modem.

Use a tool to help push the SIM card with circuit side up, into the SIM holder. Push the SIM card all the way in until you hear a clicking sound.

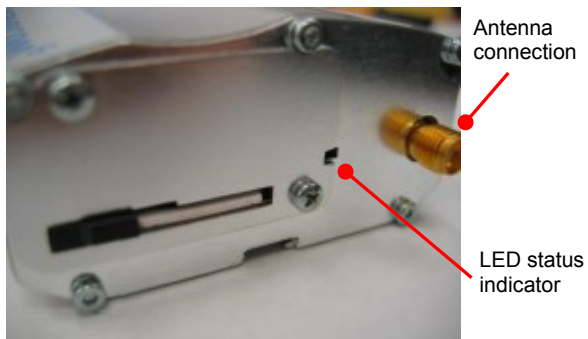
- 2** Slide the SIM lock switch to lock the SIM card in place



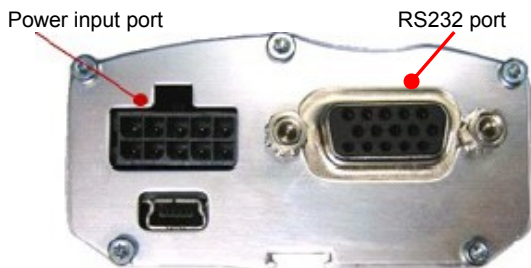
Do not connect power to the modem at this stage

For further information on the correct SIM card to use , see 'SIM card and GSM configuration' Hints and Tips also available on the Accessory Support page of the Grant website,

3 Connect antenna to modem



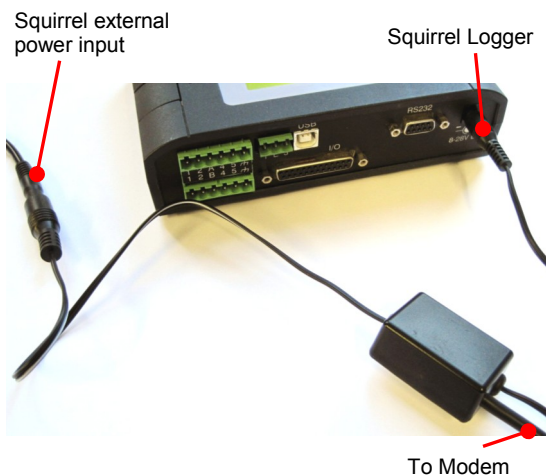
4 Connect the RS232 cable between modem and Squirrel data logger



5 Connect power cable between modem, logger and the external power input.

For Loggers manufactured before 2005, a different power cable is required. Contact Grant Instruments for further information.

6 Power the Squirrel data logger using the external power input



The Squirrel must be powered via its external power input for GSM modem to operate

LED Status Indicator

The Fastrack Xtend Modem has a red LED that indicates the current operational status of the device

Fastrack Xtend	LED Status	Fastrack Xtend Status
ON	Permanently lighted	The Fastrack Xtend is switched ON, but not registered in the network.
	Flashing slowly LED is ON for 200ms, OFF for 2s	The Fastrack Xtend is switched ON and is registered in a network (Idle mode).
	Flashing rapidly LED is ON for 200ms, OFF for 600ms	The Fastrack Xtend is switched ON and is registered in a network (Non-Connected mode).
	Very quick flash LED is ON for 100ms, OFF for 200ms	The Fastrack Xtend is switched on, and the software downloaded is either corrupted or non-compatible ("BAD SOFTWARE").
	OFF	The Fastrack Xtend is either switched OFF, or the Flash LED has been disabled by the user*.

7 Equipment setup is now complete

The next stage is to configure and setup the Squirrel View for using a GSM Modem. For further information on this see the 'GSM optimisation and connection' guide available on the Technical Tips page of the Grant website, www.grant.co.uk

Contact Grant Instruments for further information

Grant

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