

## Testing your Spider

Once you have set up and configured your Spider, using the Spider button and LCD. Press the button briefly to display next screen

1. Check mobile signal strength
2. If e-mail option is installed -
  - Step through to the "Send test email?" screen
  - Hold the button pressed for 5 seconds , within a minute you should see a "Email sent OK !" message. If you get "Email failed !" check network & email parameters in Change Setup

## Connecting your PC to a remote Spider via modem

You will need a PC and a working dial-up modem connected to a standard telephone line.

1. Use your PC and an analogue modem Connect Dial up the Spider's data number, using Windows 'Connect To' function
2. Once connected open browser and enter IP address  
<http://192.168.0.187>
3. Proceed as per local connection.

(Please refer to Appendix "Remote Access" in the User Manual for detailed information.)

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## Spider SMS Quick Reference Guide

This guide is not a replacement for the User Manual. Please refer to the manual on the supplied CD for full details.

### Installing a SIM card

1. You need a SIM card to remotely communicate with the Spider. Halytech can provide fully functioning SIM cards for you. If you want to source your own SIM card, contact your preferred mobile phone carrier and ensure that the SIM card has the following features:
  - a. a VOICE telephone number
  - b. a DATA telephone number ( " data terminating number" or "data service" or "circuit switched data number").  
GSM systems only – request "ASYNCHRONOUS, NON-TRANSPARENT" service  
Telstra NextG and GSM systems only – request "CODE 2620" service
  - c. GPRS enabled if your Spider has the email option
2. Put the SIM card in a standard mobile phone and disable any PINs
3. Install the SIM card into the Spider. **IMPORTANT – GSM SYSTEMS ONLY:** make sure that you slide the SIM lock switch to the right – see manual for illustration.

(Please refer to Appendix "Connection to Mobile Network" in the User Manual for detailed information.)

## Connecting Antenna and Power

1. Connect the antenna (supplied ) – finger tight only
2. Connect Power or Solar Panel and Battery using the supplied connectors and cables

(Please refer to “Physical Connections” in the User Manual for detailed information.)

## Connecting the Spider to your PC

1. Make sure that your PC is **not** connected to the Spider
2. Turn Spider on by pressing the button and holding it till LCD backlighting turns on
3. IMPORTANT: the backlighting must be ON before a connection can be made
4. Using the supplied red LAN crossover cable connect your PC to the Spider
5. Wait 10 seconds
6. Open browser on PC and enter the following: <http://192.168.0.187>
7. Log in, User Name is “user” and Password is “changeme” (without inverted commas)

(Please refer to Appendix “Local Network Configuration – Connecting a PC Directly to a Spider” in the User Manual for detailed information.)

HINT: If you are setting up multiple Spiders **immediately** one after another, and connect to one successfully but cannot connect to next, either - wait 5 minutes -or type

“arp -d 192.168.0.187” from the command prompt, between connections to different Spiders (this command may require that you log into Windows as an administrator).

## Connecting Inputs and Outputs

Using the connectors provided -

1. Connect Inputs as per manual
  - a. Switch, pulse and frequency inputs - connected directly
  - b. 4-20mA – connect supplied 120 Ohm resistor across input
  - c. Voltage inputs – connected via dividing resistors (not supplied)
2. AUX 1 connector can be used to power sensors. Refer to the Spider User Manual and your sensor manuals for compatibility.
3. Connect Outputs as per manual
  - a. Low voltage, low current non-inductive loads can be switched directly
  - b. **NOTE: You must use external relays to switch high voltage, high current or inductive loads. Use supplied protection diodes on external relays.**

(Please refer to “Physical Connections” in the User Manual for detailed information.)

## Configuring Your Spider

Once you have logged in, select “Change Setup” and

1. Set location – to your site name
2. Set date and time
3. Set username and password for security
4. Configure and name the Inputs to suit
5. Calibrate any Analogue Inputs
6. Set scaler and offset for any Counter or Event Inputs
7. Set Control names and setup any associated timer sequences
8. Set up Alarms and what you want to happen on the alarm
9. Set up Network parameters
10. Set up E-mail parameters (if e-mail option installed)
11. Set up your automatic reports (if e-mail option installed)

(Please refer to “Setting up a Spider for the first time” in the User Manual for detailed information.)