



User Manual

MicroMon UPS User Manual

Welcome to the user guide to the MicroMon package. This guide will take you through the necessary steps to use the solution as efficiently as possible as well as being a useful reference guide to the software in future..

Roger Fraser
11/06/2008

Document Reference No.: MMUPS01
Issue: 0.1
Status: Final

<h1>MicroMon UPS Solution</h1> <h2>Users Manual</h2>
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Distribution:	<ol style="list-style-type: none"> 1. To all authorised MicroMon Users 2. 3. 4. 5.
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MODIFICATION RECORD

Issue	Date	Author	Approved	Pages
A	10/06/2008	Roger Fraser	Version	35

Format

Original MS Word

Distribution Acrobat.PDF

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Introduction

Welcome to the user guide to the IP Mon package. This guide will take you through the necessary steps to use the software as efficiently as possible as well as being a useful reference guide to the software in future. IP Mon is a world first plug and use data concentrator, that use IP based technologies to enable much easier integration with existing IT infrastructure and lower installation costs. By combining sensor information and video capture footage in one easy to use application, IP Mon allows you to effectively monitor a whole range of possibilities.

Company Profile

Live Monitoring is a provider of real-time production and process monitoring systems. The business was founded in 2006 and the company headquarters are presently located in KwaZulu Natal. Live Monitoring develops market and support a totally independent line of monitoring software. The first product was designed primarily for the injection moulding and textile industries. However, through continued customer support and product innovation Live Monitoring has quickly developed a number of unique, flexible and cost-effective software solutions which broadened its product base to systems for all types of industries.

Corporate Mission Statement

About this user manual

This guide will take you through each step that you will need to take to effectively use MicroMon, from setting up the hardware to viewing data.

Package Contents *(may vary from images)*



1 X GSM modem



1 X Serial Cable



1 X GSM Antenna

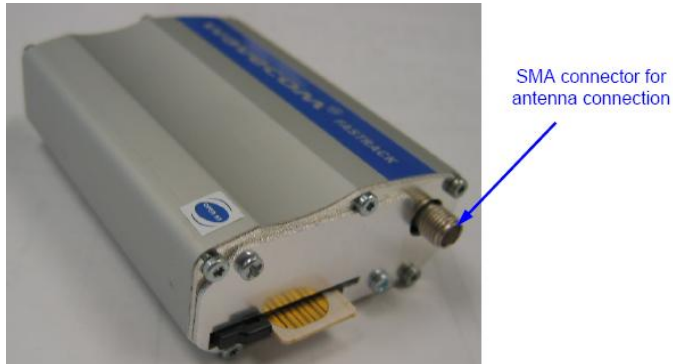


1 X Power Supply

Optional :Serial configuration cable.

Setting Up

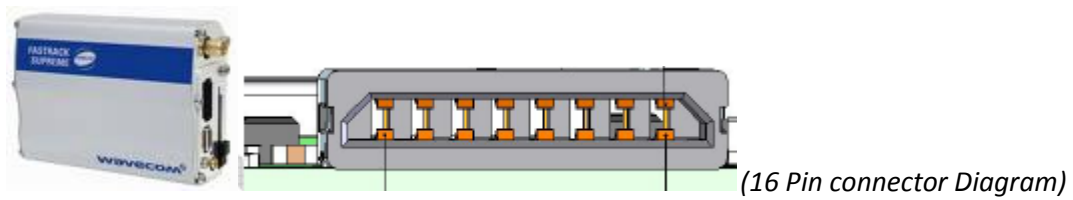
1. Connect the antenna to the SMA connector



2. Connect the power adapter to the power connector.



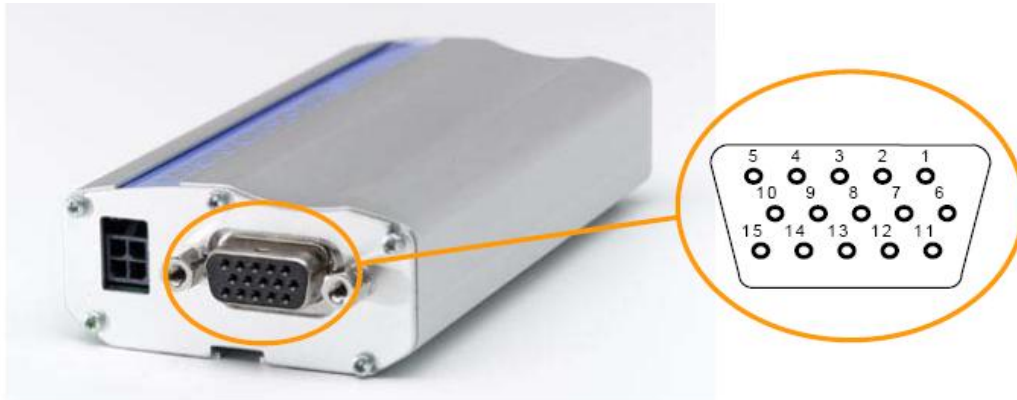
3. Connect the serial UPS cable to the 16 Pin connector



4. Connect the other side of UPS cable to the UPS serial port plug.



4.If you need to change configuration settings then connect the configuration cable to the 15 Pin connector.



Starting Up

Power up the power adapter .You should see the LED next to the SIM slot light up then begin to flash. This indicates the system has booted and is connected to the GSM network. The system should within the *sendperiod* specified send data to the web page.

Using the web application:

Starting Up

If your computer is off turn it on and log in. Make sure you have an internet connection as this application works off the web

Signing On

1. Click 'START' in the task bar (base of the screen).



2. Select All Programs from the Start, pop-up menu.

3. Select Internet Explorer from the Programs sub-menu.



After the internet Explore is opened go to the address bar and type www.minimon.co.za then press Enter

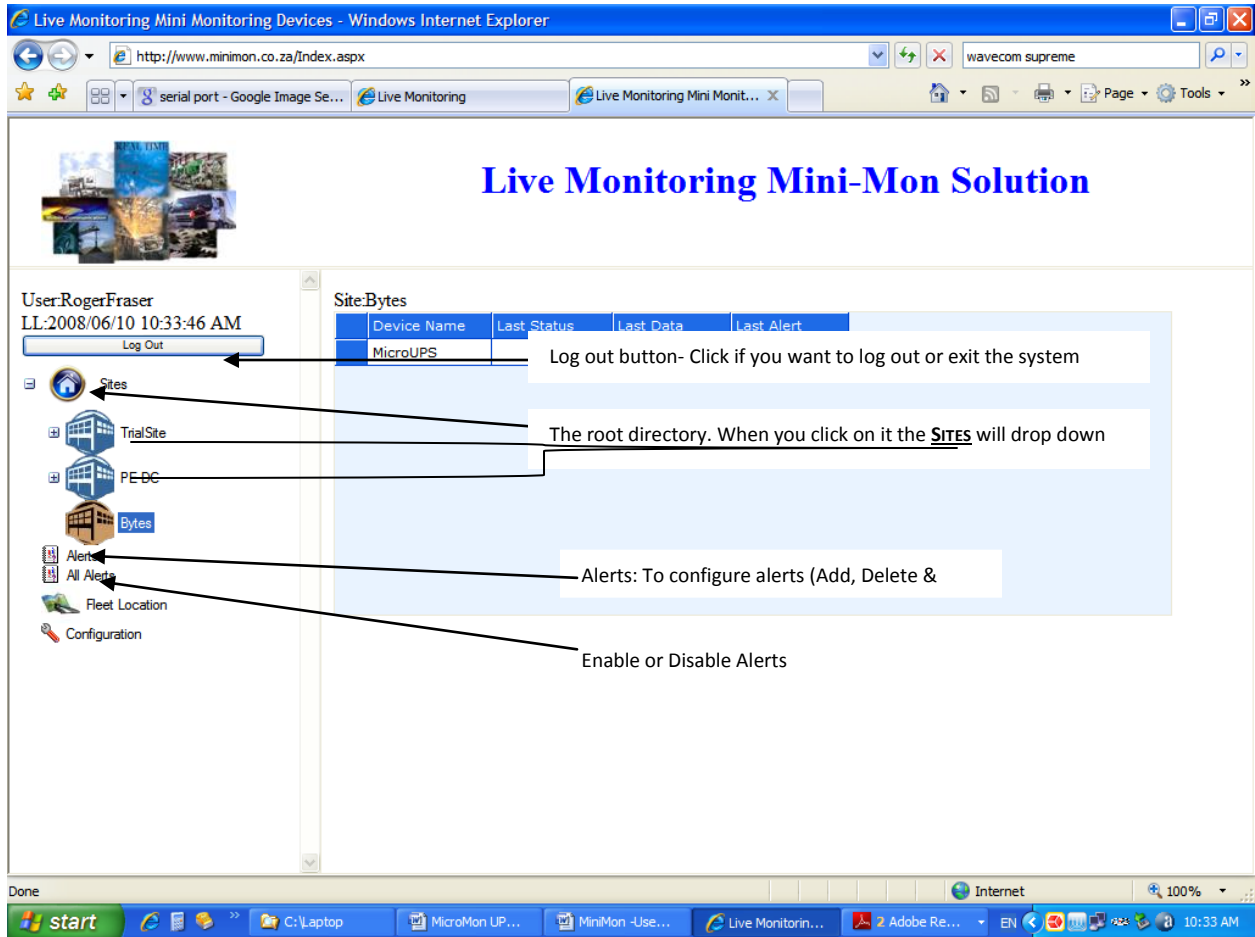
Login Page:

The following screen will appear then you have to type your username and passwords supplied to you by Live Monitoring and click on Login or press Enter on your keyboard



Main Page:

After successful login you will be taken to the following page:



As illustrated on the figure above the first button is the Logout button that you will Click when you have finished using the system.

The next on being the Site that when clicked will produce a drop down of all the sites under that directory. You will be required to click on your corresponding site to get a drop down of all the Devices.

Produ-Tech Environmental Server Room Display - Windows Internet Explorer

http://localhost:4817/MiniMon/Default.htm

File Edit View Favorites Tools Help Links Customize Links Free Hotmail Windows Windows Marketplace Windows Media

Produ-Tech Environmental Server Room Display

Live Monitoring MiniMon Solution

User:Innocent LL:05/29/2007
02:15:07 PM
Log Out

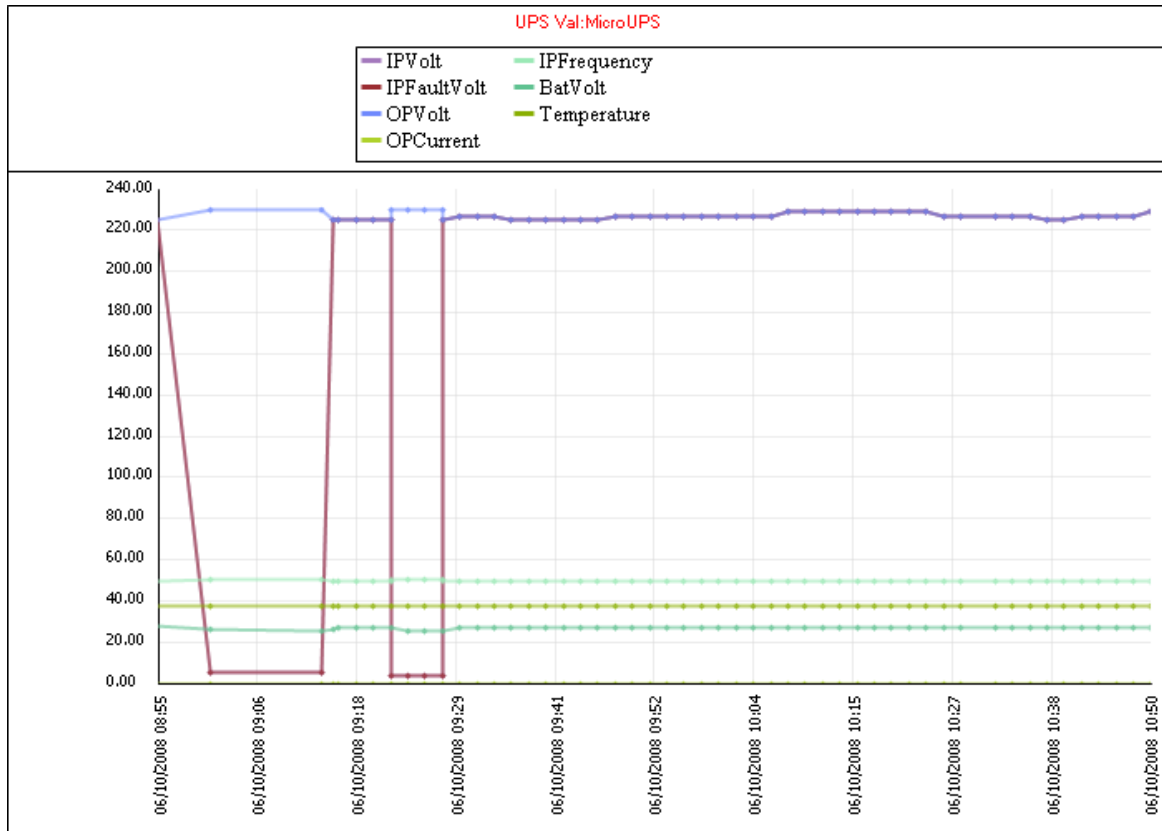
- Sites
- TrialSite
- PE DC
- P57
- P27
- P59

Annotations:

- Site (points to Sites menu item)
- Device- Click on the Icon to view the Device Status (points to Log Out button)
- Scroll Bar to scroll up and down (points to scroll bar)

Device Status Page:

On clicking the Device icon the following Page will appear.

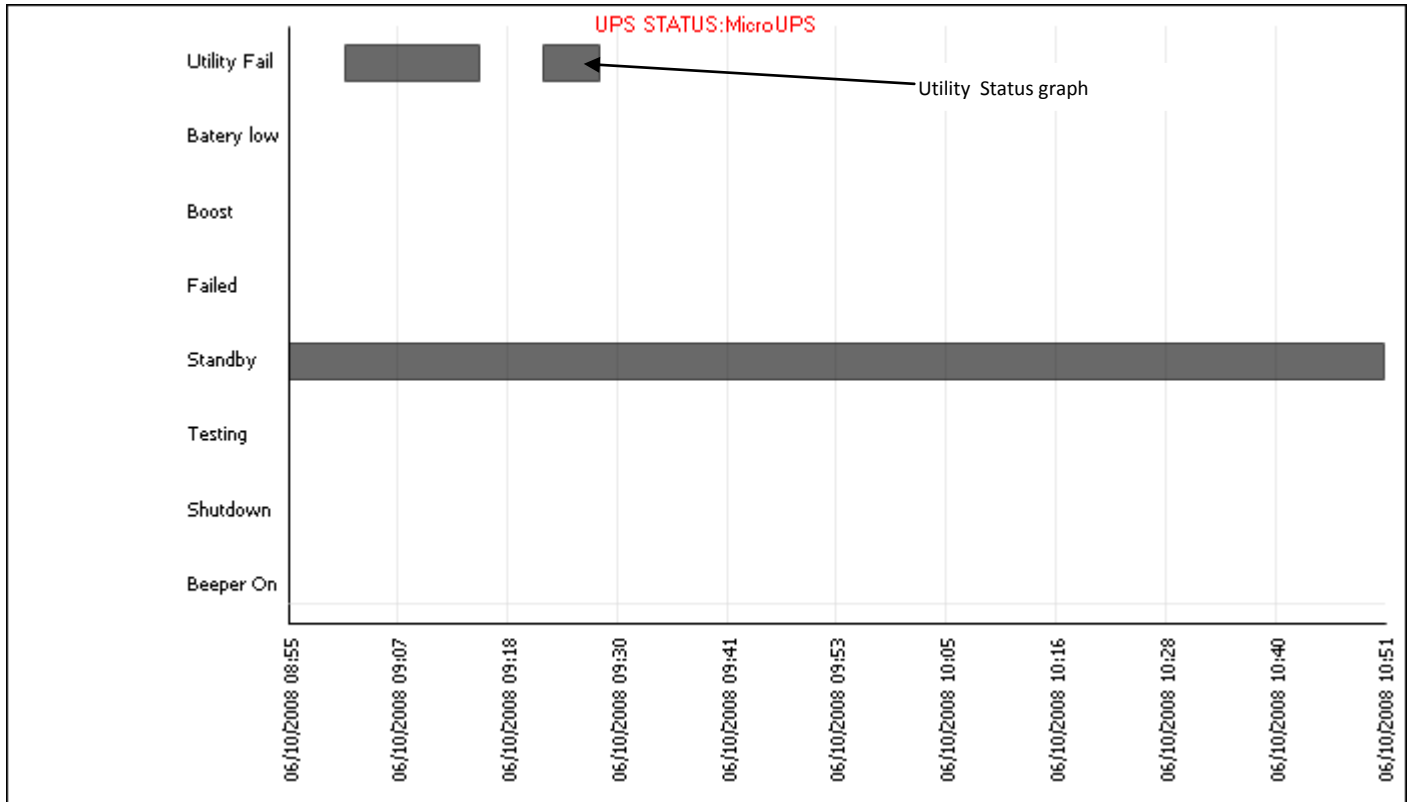


Values Graph:

There are a number of values collected periodically from the UPS. If you move mouse over on the dots the system will display the value on that point. The Y axis will show you the value while the X axis shows the time.

Status:

The status will indicate when the status changed as illustrated on the graph below.



Alerts:

This page will display the all Alerts, give you option to Delete or Edit the Alert and also to Add Alerts on the system.

These pages also have the facility for you to Add Alert Threshold and display them in a list.

The screenshot shows the 'Alerts Setup' page. At the top left, it displays 'User: Innocent LL:24' and '09:00:52 AM'. A navigation menu on the left includes 'Log Out', 'Sites', 'Trial Site', 'PE DC', 'Alerts', 'Fleet Location', and 'Configuration'. The main content area is titled 'Device Alerts' and contains a table with the following data:

Device	Type	Action	Cell	Email	Message	Weekdays	StartTime	EndTime	Enabled	Delete
Actual Truck	Or	SMS & Email	0824659472	roger@produtech	Alert Problem Do	7	0	23	False	<input type="checkbox"/>
P27	And	Email	0828934860	innocent@livemor	Test alert	1	1	24	True	<input type="checkbox"/>
Dev Truck	And	SMS		innocent@livemor	test	7	1	24	True	<input type="checkbox"/>
P58	And	SMS & Email	0828934860	innocent@livemor	Hey testing this a	7	1	24	True	<input type="checkbox"/>

Below the table is a blue 'Add Alert' button. Further down is the 'Alert Thresholds' section with a table:

Device	Field	Test	Value	Delete
P57	Temp2	>	20	<input type="checkbox"/>

At the bottom of the thresholds section is a blue 'Add Alert Threshold' button. Annotations with arrows point to the 'Add Alert' button (labeled 'Double Click to Add Alert'), the 'Alert Thresholds' table (labeled 'Alerts Threshold list'), and the 'Add Alert Threshold' button (labeled 'Double click to Add'). A label 'List of Alerts' points to the table header.

Add Alert Menu:

The 'Add Alert' form contains the following fields and options:

- Device:** A dropdown menu.
- Type:** Radio buttons for 'And' (selected), 'Or', and 'SMS & Email'.
- Action:** Radio buttons for 'Email' (selected), 'SMS', and 'SMS & Email'.
- Cell No:** A text input field.
- Email:** A text input field.
- Message:** A text area.
- Weekdays:** A dropdown menu set to 'Every Day'.
- Start Time:** A dropdown menu set to '1am'.
- EndTime:** A dropdown menu set to '12am'.
- Enabled:** A checkbox.
- Save:** A button.

You will need to select a device / Trailer you want to add an alert on, Select Type of alert that you need to have AND for accessing both contacts OR for accessing either of them.

Action is how you want your Alert to send the information it could be either by SMS, EMAIL or EMAIL & SMS. Under CELL NUMBER field you will be required to enter cell number of the people that are supposed to receive the SMS and also on the EMAIL the email address of the recipient.

Under message you will type the SMS or EMAIL message, on Week days you will select the days on which the alert should run and specify the Start time and End time of the alert. Lastly Enable the alert so it can be active then Click Save.

Add Alert Threshold:

Firstly before you click on this menu you will need to select the Alert that you want to add a threshold from the Alerts List

Then you can select a Device/ Trailer that you want to Add a Threshold, Select the Filed which stands the contacts that you need tested, Select Test, and enter a value to test against then Click Save.

All Alert Page:

Truck	Enabled / Disable	Update
Actual Truck	<input type="checkbox"/>	
P27	<input checked="" type="checkbox"/>	
Dev Truck	<input checked="" type="checkbox"/>	
PS8	<input checked="" type="checkbox"/>	

This page list all the Alert and allows you to Enable or Disable them this maybe happen in case the device is undergoing maintenance for sometime. After checking (Enable) or un-checking (Disable) you can click on any button under update and the system will update the database to set the alert to be Active or inactive

View data on the Mobile phone

NB. You need to have a cellphone that has a capability to connect to the internet to be able to use this feature of the system. If you are not sure whether your handset connects to the internet you can speak to your Service Provider or hand set manufacture.

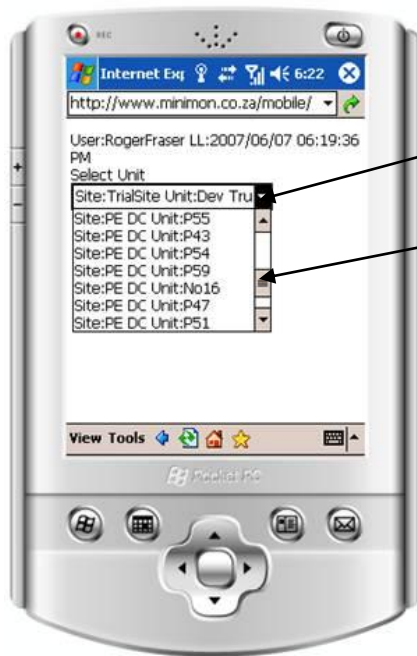
Bellow is some screen shots of the mobile phone web interface.

You will need to go to the web browser of your mobile phone, Select address then type www.minimon.co.za then press Enter. The following screen will appear then you will type your User Name and a Password provided to you by Live Monitoring staff then click Login.

NB User name and passwords are case sensitive



After clicking Login the following screen will appear and then you can click on the down arrow to see the list of Trucks and select the one you need to vie the status off. You can use the scroll bar to scroll up and down to see the desired truck.

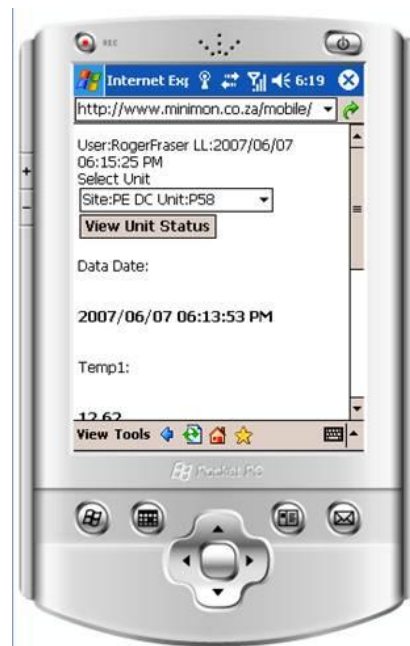


Drop Down

Scroll Bar

After selecting the truck you require please click on View Status and wait for a few seconds.

A page will load that looks like the following screen.

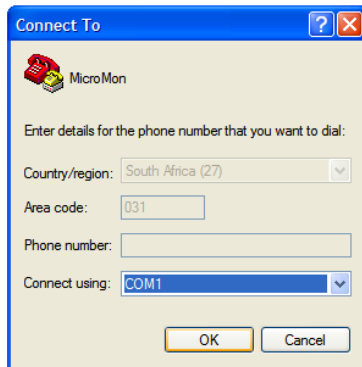


The information displayed on this page will be Date, Values & Status of the Device. You will need to scroll down to see all the info.

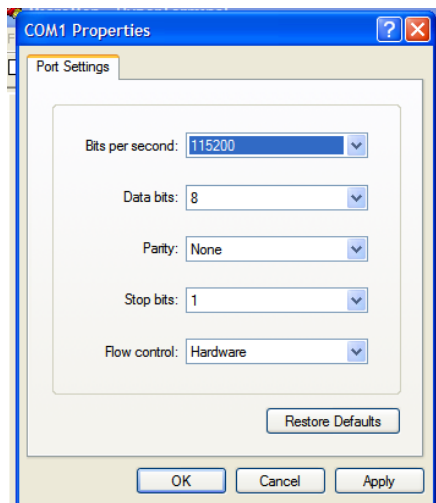
If you need to see other device status you will repeat the step above and select a different device

Using Hyperterminal to configuration the application

Ensure that the configuration cable is connected to the PC com port. Start the hyperterminal program on your PC. Select the com port the cable is connected to.



Select the standard port settings 115200/N/8/1 Hardware:



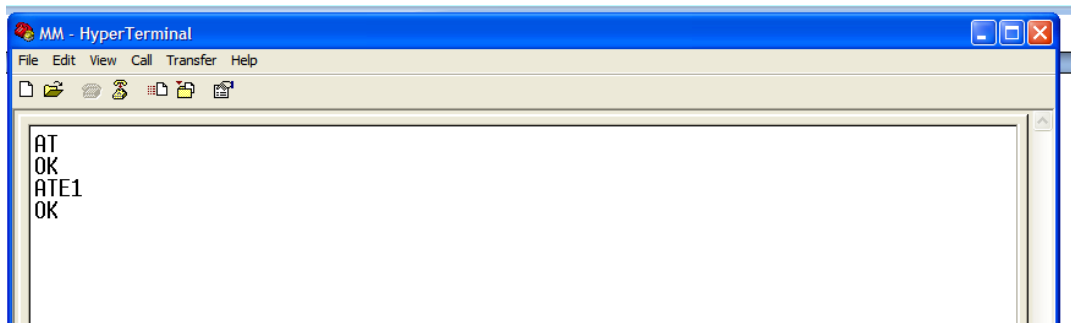
Choose OK.

Type AT press enter key.

The modem should respond with OK. The terminal may or may not echo the typed characters .

If you don't receive OK then check the cables and that the modem is on and the LED is on/Flashing.

If you don't get the characters echoed and you want them type ATE1 and press enter. You should receive OK then any characters typed get echoed by the modem.



General:

To get the current value of a command type the command followed by ?

To set the current value of a command type the command then followed by = and the value .Text values need to be enclosed with double quotations i.e. "value" .

Configuration Comands:

```
AT+IPADRES ("192.168.0.1")
```

Gets or sets the IP-Address of the receiving server. This is the address data is sent to. After changing reset the unit using AT+CFUN=1 or power cycle the unit.

```
AT+IPPORT (1212)
```

Gets or sets the IPPort of the receiving server. This is the port data is sent to. After changing reset the unit using AT+CFUN=1 or power cycle the unit.

```
AT+SENDPERIOD (300)
```

Gets or sets how often data is sent to the serve in seconds.

AT+APNUNAME ("JohnDoe")

Gets or sets the APN User Name. After changing reset the unit using AT+CFUN=1 or power cycle the unit.

AT+APNPASS ("password")

Gets or sets the APN User Password. After changing reset the unit using AT+CFUN=1 or power cycle the unit.

AT+APNNAME ("internet")

Gets or sets the APN Name to use. After changing reset the unit using AT+CFUN=1 or power cycle the unit.

AT+MMPOWEROUT ("True"\ "False")

Gets or sets to output the data to the IP-Address as soon as power level drops or is restored. Is "True" by default.

AT+MMDEBUG("True"\ "False")

Gets or sets to output debug info to configuration terminal (not saved reverts to false at reboot).

When complete reset the unit if required.

