



Manual de Usuario

Tarjeta SNMP ESOL Mini

Contents

| | |
|---|----------|
| Chapter 1. Introduction | 1 |
| 1.1 Features | 1 |
| 1.2 Applications..... | 2 |
| Chapter 2. Components | 4 |
| 2.1 Features | 4 |
| 2.2 Led indication..... | 5 |
| Chapter 3. Installation | 6 |
| 3.1 Hardware Installation | 6 |
| 3.2 Software Installation | 7 |
| Chapter 4. Setting | 7 |
| 4.1 NetAgent Login Procedure..... | 7 |
| 4.2 Netility Installation and Setting..... | 9 |
| 4.3 NetAgent Setting | 9 |
| 4.3.1 Web Interface..... | 12 |
| 4.3.2 NetAgent Option Directory Structure | 20 |
| 4.3.3 NetAgent Setting Options | 21 |
| Information > System Status | 21 |
| Information > Basic Information..... | 23 |
| Information > Current Status | 24 |
| Information > Remote Control | 25 |
| Information > Meter/Chart | 26 |
| Information > SMS Modem Status..... | 28 |
| Information > NetSwitch Status..... | 29 |
| Information > NetFeeler (NetFeeler II)..... | 30 |
| Configuration > UPS Configuration | 31 |
| Configuration > UPS On/Off Schedule | 34 |
| Configuration > Network | 38 |
| Configuration > Wireless | 46 |
| Configuration > SNMP | 48 |
| Configuration > Email..... | 55 |
| Configuration > SMS | 60 |

| | |
|---|------------|
| Configuration > Web/Telnet | 63 |
| Configuration > System Time | 68 |
| Configuration > SMS Modem | 70 |
| Configuration > NetSwitch | 75 |
| Configuration > NetFeeler | 80 |
| Configuration > MODBUS | 83 |
| Configuration > Language | 86 |
| Log Information > Event Log | 87 |
| Log Information > SMS Log | 88 |
| Log Information > Data Log | 89 |
| Log Information > Battery Test Log | 91 |
| Help > Search NetAgent | 93 |
| Help > Serial Port Debug | 114 |
| Help > Help | 116 |
| Help > About | 117 |
| Chapter 5. Telnet/ SSH | 120 |
| Chapter 6. ClientMate | 122 |
| Chapter 7. SNMP View | 130 |
| Chapter 8. iMConfig | 138 |
| Chapter 9. SMS Server Software | 122 |
| Chapter 10. Appendix | 148 |

Chapter 1. Introduction

1.1 Features

NetAgent is the SNMP (Simple Network Management Protocol) card for monitoring UPS. Not only could remote control the UPS and get the current status of it, the NetAgent that has 3 ports or USB ports could also provide other functions, ex. connect to compatible modem to send SMS notification, or our NetFeeler II and its additional sensors for ambient temperature, humidity and water status. This product is for "Contact Closure" and "RS232" interface UPS. The communication protocol includes the Contact Closure, RS232[MegaTec], Phoenixtec], SEC 2400, SEC 9600, Megatec Three Phase, ..etc. NetAgent provides a simple and easy installation procedure. CD provides along with NetAgent offers several software to allow the user to configure IP address; central monitoring and multi shutdown on different operating systems. Other advance configurations could be accomplished in the Web browser.

Features:

- ❶ Provide SNMP MIB to monitor & control UPS
- ❷ Auto-sense 10M /100M Fast Ethernet (*10M/100M/1000M is available for specific model*)
- ❸ Manage and configure via Telnet, Web Browser or NMS
- ❹ Support TCP/IP, UDP, SNMP, Telnet, SNTP, PPP, HTTP, HTTPS, SMTP, Modbus Protocol
- ❺ Support SSL/TLS, SSH Encryption
- ❻ Providing easy setup and upgrade tools via our Netility software
- ❼ Send SNMP TRAP ; E-mail and SMS for events notification.
- ❽ Auto email daily UPS history report
- ❾ Perform graceful shutdown with our ClientMate software
- ❿ Add-on optional NetFeeler II for temperature, humidity, water, smoke and door sensor

1.2 Applications

■ NetAgent allows UPS to be monitor on network

When the UPS connects with NetAgent, the system manager could check each and every UPS condition by a computer with Browser installed. The manager could monitor and control the UPS by simply input the IP address of the NetAgent which connects to the UPS. When there is a power abnormal condition happens, the NetAgent could also send the trap information to the system manager to take proper action.

■ NetAgent Provides Shutdown Utilities

When a computer install our shutdown software in the network that connects to the NetAgent, when UPS is in AC failure condition or Battery Low condition, the software would close all the files of the operating system and shutdown gracefully. This could avoid system corrupt when a power disconnection happened.

■ NetAgent II for Surrounding Monitoring

3 Ports NetAgent or NetAgent with USB ports could connect to optional sensor-NetFeeler II to get the surrounding temperature/humidity/smoke/fire signals. These information could also be revealed on the NetAgent Web page. When there is an abnormal condition happened, it could also be sent as a trap to the system manager.

When we need the NetAgent?

- ① When we need to remote monitoring and controls the UPS conditions. For example, the system manager could use the Internet to control all the UPS conditions all over the country. When the shutdown utility is installed, the shutdown utility could close all the files and shutdown the system when a power abnormal condition happened.
- ② When we need to monitor surrounding conditions of the server room, warehouse, office, etc. For example, the system manager could know the temperature, humidity, smoke and water condition by our NetFeeler II which connects with NetAgent. User may read the data via NetAgent webpage.

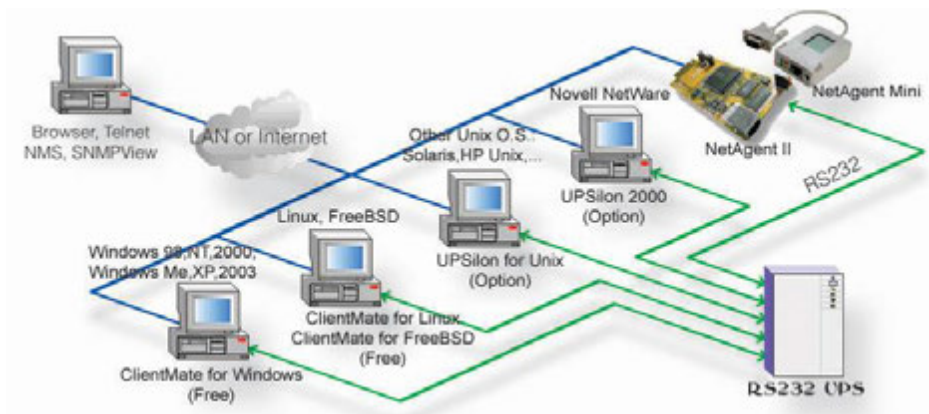


Fig.1 Network connection diagram of NetAgent and shutdown software

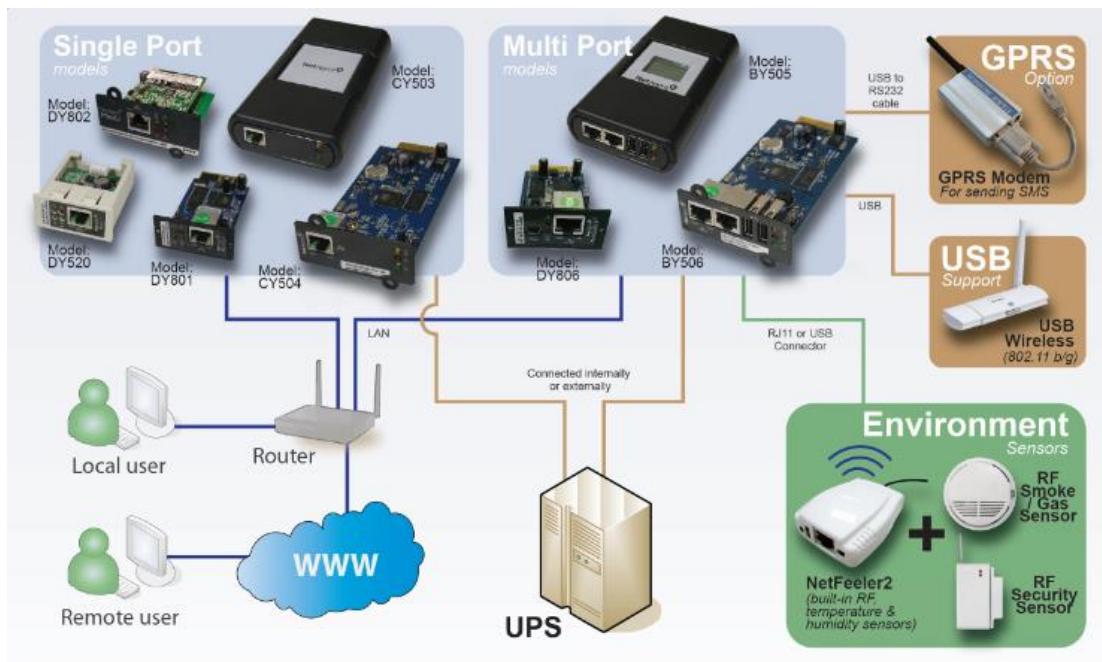
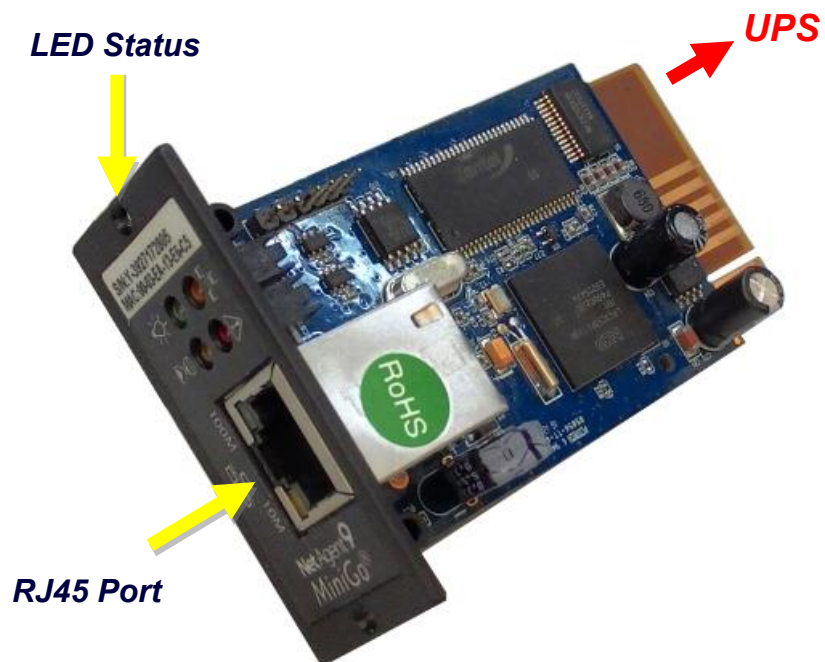


Fig.2 NetAgent 9 connection diagram with NetFeeler





2.1 Components

| NetAgent Mini 9 Model | | | | | | | | | |
|-----------------------|--|----------|----------|------|-------|-----|-----|--------------|-------------|
| Model Name | Package Contents | Internal | External | RJ45 | RS232 | ENV | USB | Single Phase | Three Phase |
| | 1. NetAgent Mini 9 SNMP Card 2. NetAgent Utility CD 3. Quick Installation Guide (Optional) | V | | V | | | | V | V |



2.2.LED Indication



| Amber  Communication Flashing Transferring data with UPS | | Red  Connection Status with UPS <table border="1"> <tr> <th>Flashing</th> <th>Off</th> </tr> <tr> <td>Lost connection</td> <td>Connecting with UPS</td> </tr> </table> | | Flashing | Off | Lost connection | Connecting with UPS | | | | |
|--|---------------------|--|-----|----------|----------|--|---------------------|----|-----|-----------|--------------|
| Flashing | Off | | | | | | | | | | |
| Lost connection | Connecting with UPS | | | | | | | | | | |
| Green  Power Status <table border="1"> <tr> <th>On</th> <th>Off</th> </tr> <tr> <td>Normal</td> <td>No Power</td> </tr> </table> | | On | Off | Normal | No Power | Yellow  NetAgent Mini Status <table border="1"> <tr> <th>On</th> <th>Off</th> </tr> <tr> <td>Operating</td> <td>Stop working</td> </tr> </table> | | On | Off | Operating | Stop working |
| On | Off | | | | | | | | | | |
| Normal | No Power | | | | | | | | | | |
| On | Off | | | | | | | | | | |
| Operating | Stop working | | | | | | | | | | |

| Green <table border="1"> <tr> <th>On</th> <th>Flashing</th> </tr> <tr> <td>100 Mbps</td> <td>Sending/Receiving Data</td> </tr> </table> | | On | Flashing | 100 Mbps | Sending/Receiving Data | Yellow <table border="1"> <tr> <th>On</th> <th>Flashing</th> </tr> <tr> <td>10 Mbps</td> <td>Sending/Receiving Data</td> </tr> </table> | | On | Flashing | 10 Mbps | Sending/Receiving Data |
|---|------------------------|----|----------|----------|------------------------|---|--|----|----------|---------|------------------------|
| On | Flashing | | | | | | | | | | |
| 100 Mbps | Sending/Receiving Data | | | | | | | | | | |
| On | Flashing | | | | | | | | | | |
| 10 Mbps | Sending/Receiving Data | | | | | | | | | | |

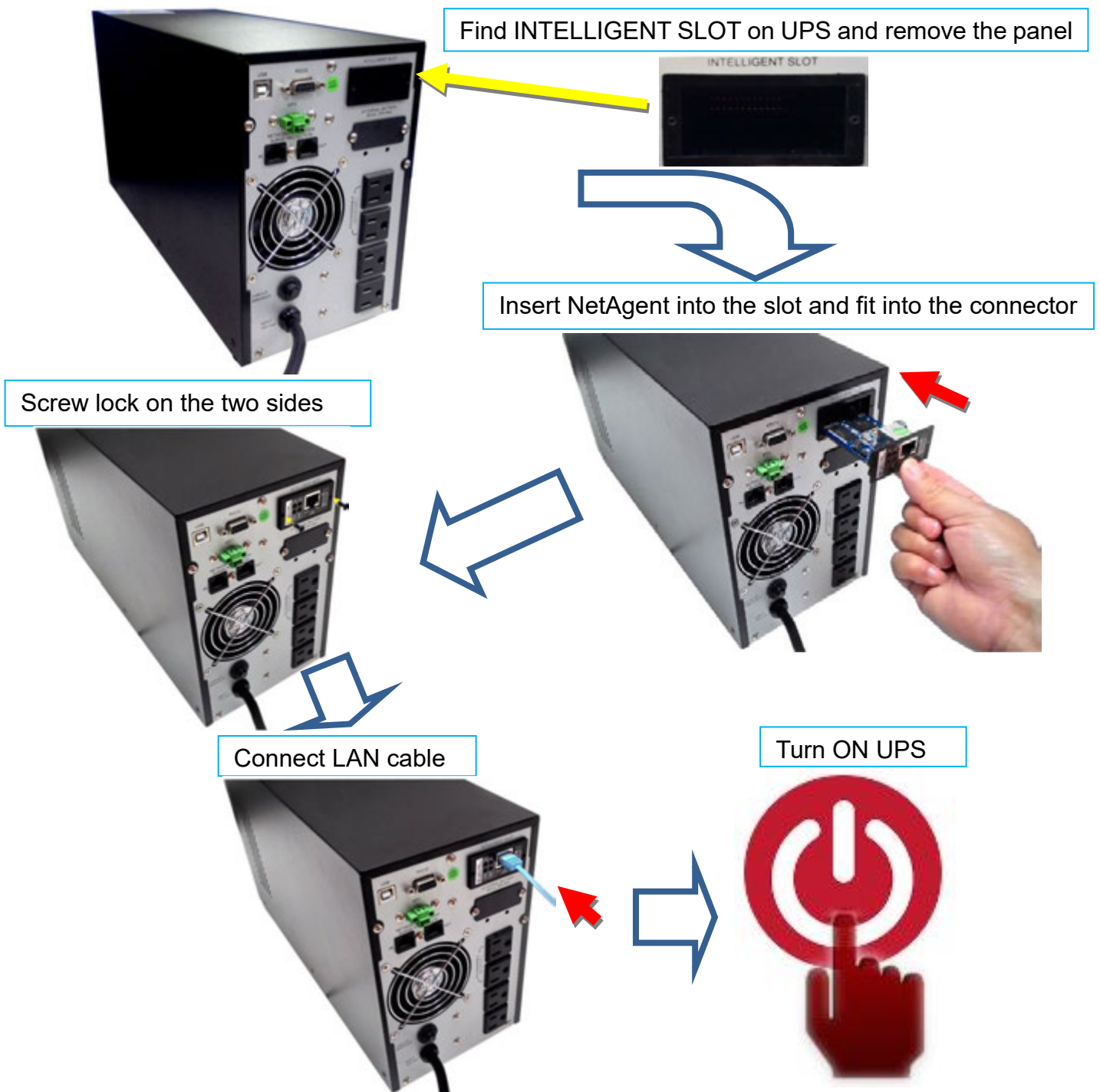
NOTE : When writing firmware, red led alternating flashing, DO NOT remove any power

Chapter 3. Installation

3.1 Hardware Installation

■ Internal NetAgent

☀ **NOTE : Turn Off UPS Power before installation**

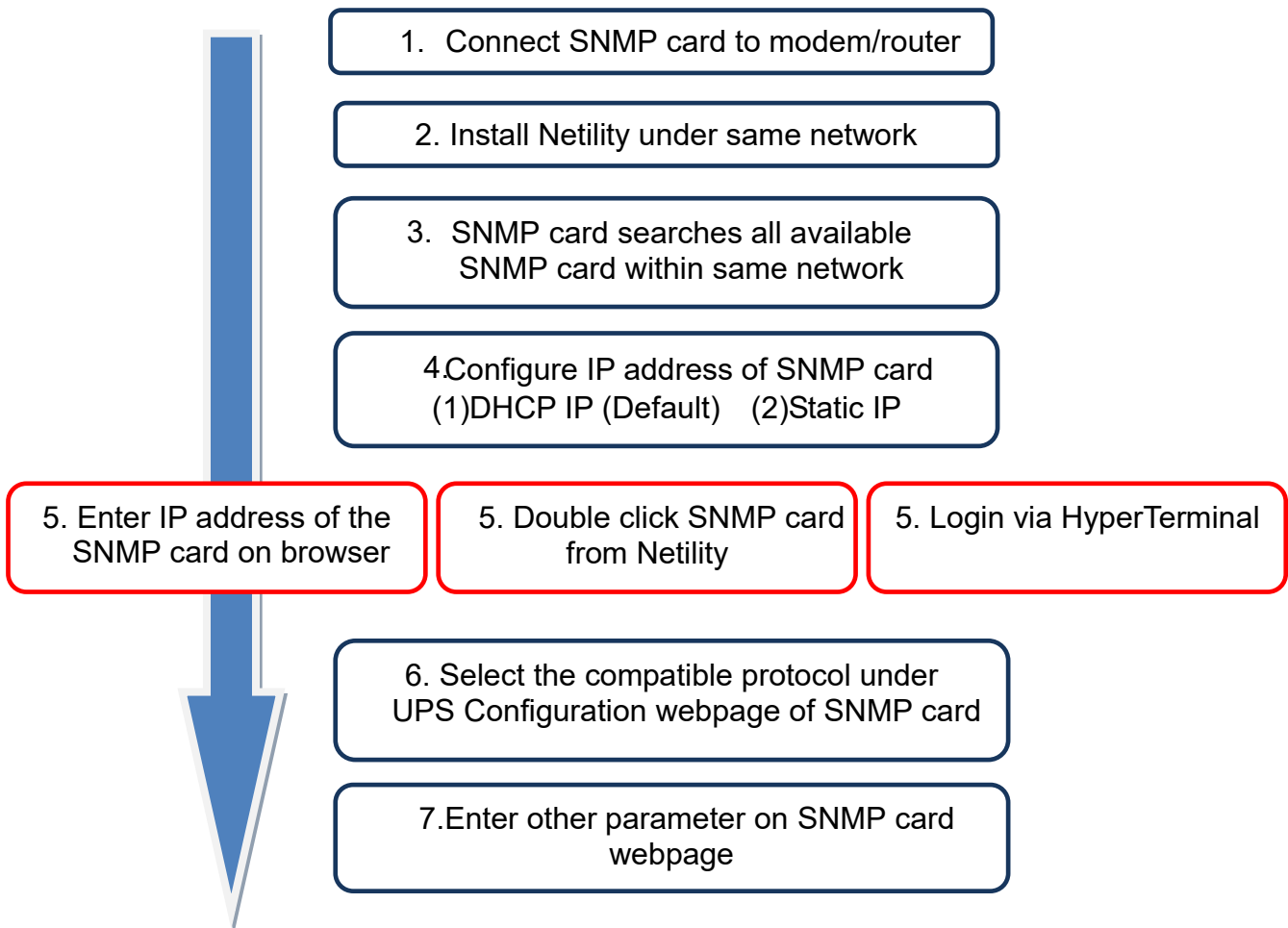


3.2 Software Installation

To manage the SNMP card you must install an administration software that you can obtain at <https://enersafe.cl/producto/snmp-ups-enersafe/> , "Manuales y Drivers"

Chapter 4. Setting

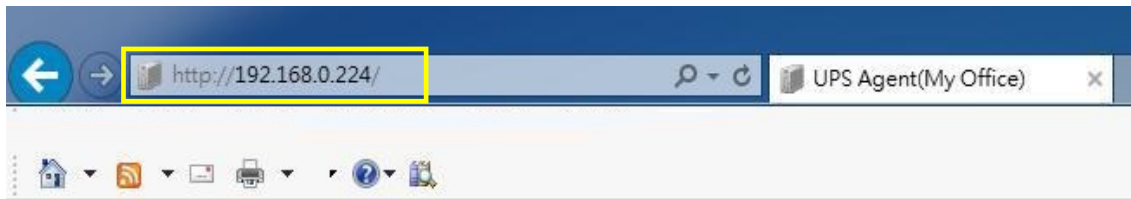
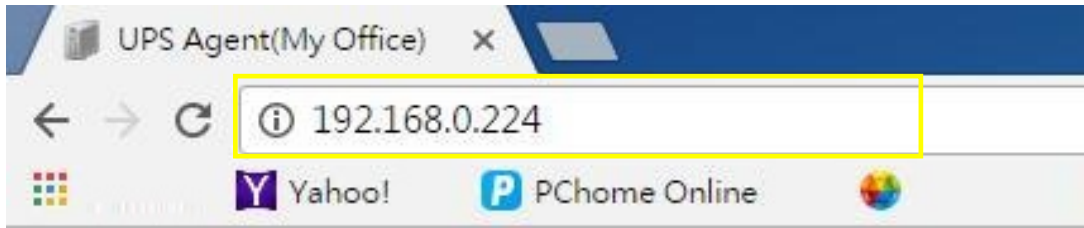
4,1 NetAgent Login Procedure



NOTE 1 : Each SNMP card has its unique serial number / MAC address and Password. This is available on the label of each unit. This helps to identify the card information on Netility



When SNMP is known, enter such IP address on the browser to login. If non-LCD NetAgent model, install Netility software to find and configure its IP address.



4.2 Netility Installation and Setting

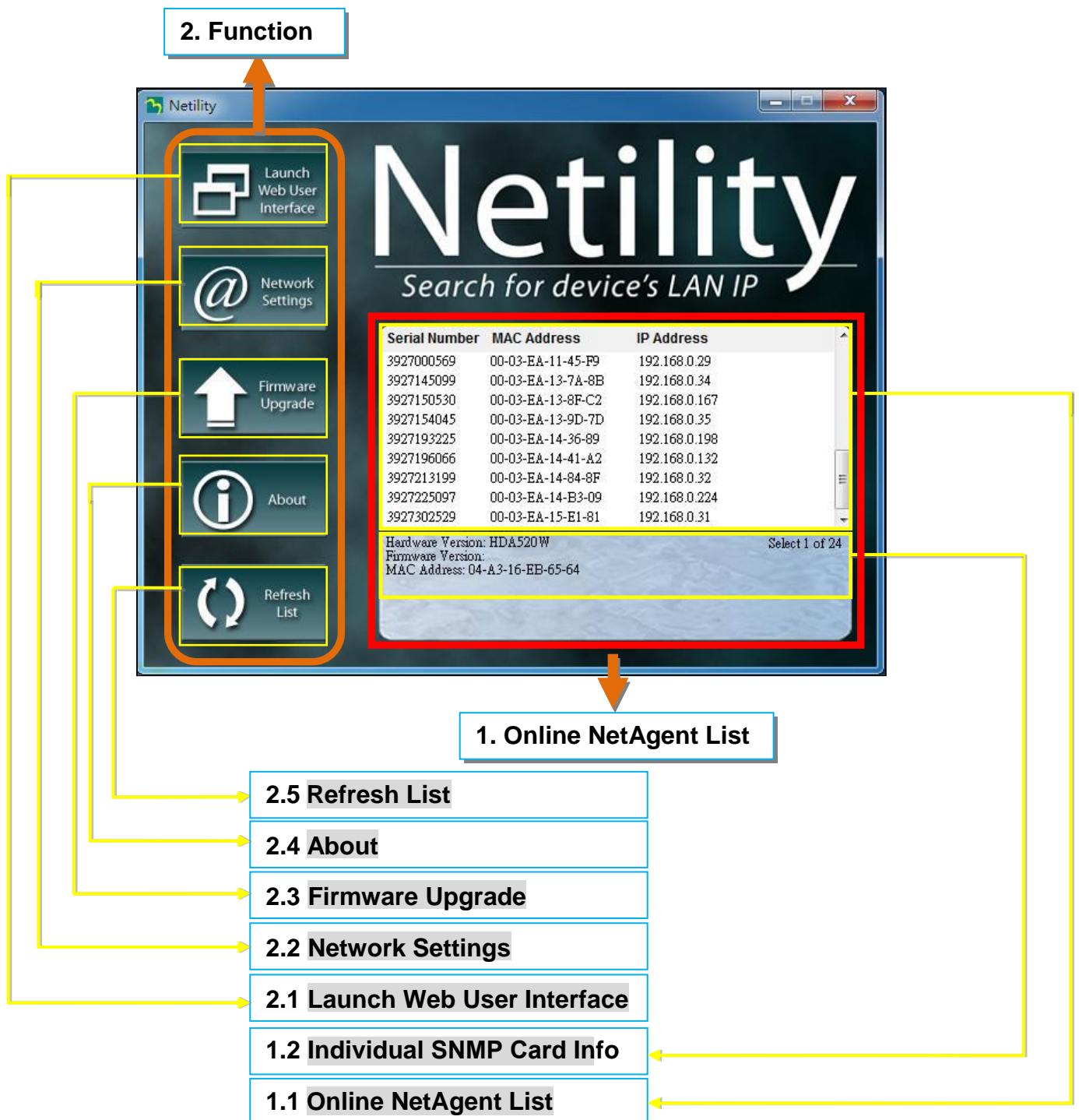
■ Netility Installation

Netility is tool software that helps the user to search all the available SNMP card within network as well as to configure IP address and firmware upgrade.

■ Netility Operation and Setting

Netility main pages divided into 2 sections:

1. Online SNMP card List
2. Function Selection



1.1 Online NetAgent List

When open up Netility , it automatically searches all the available online SNMPcard within the network with its serial number, IP address, MAC address. Double click on the specific SNMP cardt with valid IP address, it will direct to the SNMP card's webpage. (List refreshes automatically every 2 minutes)

Netility

Launch Web User Interface

Network Settings

Firmware Upgrade

About

Refresh List

Netility

Search for device's LAN IP

| Serial Number | MAC Address | IP Address |
|---------------|-------------------|---------------|
| 3927000569 | 00-03-EA-11-45-F9 | 192.168.0.29 |
| 3927145099 | 00-03-EA-13-7A-8B | 192.168.0.34 |
| 3927150530 | 00-03-EA-13-8F-C2 | 192.168.0.167 |
| 3927154045 | 00-03-EA-13-9D-7D | 192.168.0.35 |
| 3927193225 | 00-03-EA-14-36-89 | 192.168.0.198 |
| 3927196066 | 00-03-EA-14-41-A2 | 192.168.0.132 |
| 3927213199 | 00-03-EA-14-84-8F | 192.168.0.32 |
| 3927225097 | 00-03-EA-14-B3-09 | 192.168.0.224 |
| 3927302529 | 00-03-EA-15-E1-81 | 192.168.0.31 |

Hardware Version: HDA520W Select 1 of 24

Netility

Launch Web User Interface

Network Settings

Firmware Upgrade

About

Refresh List

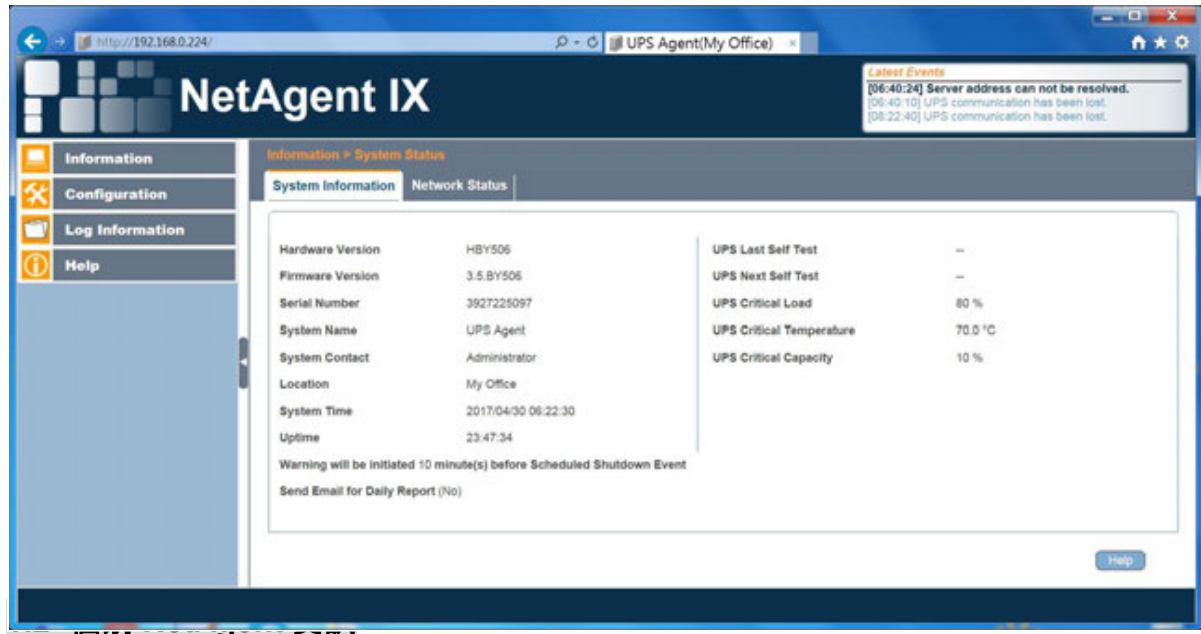
Netility

Search for

Double click to login to the webpage

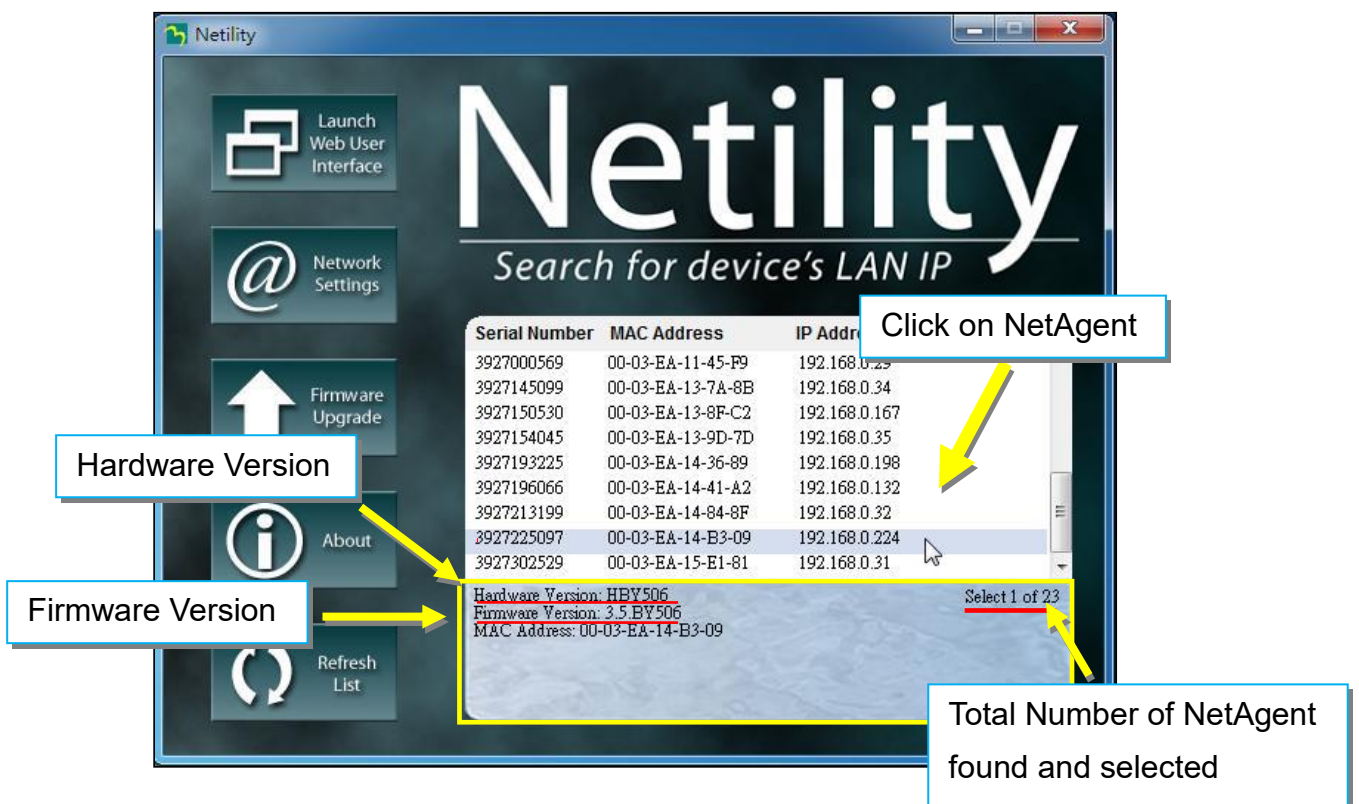
| Serial Number | MAC Address | IP Address |
|---------------|-------------------|---------------|
| 3927000569 | 00-03-EA-11-45-F9 | 192.168.0.29 |
| 3927145099 | 00-03-EA-13-7A-8B | 192.168.0.34 |
| 3927150530 | 00-03-EA-13-8F-C2 | 192.168.0.167 |
| 3927154045 | 00-03-EA-13-9D-7D | 192.168.0.35 |
| 3927193225 | 00-03-EA-14-36-89 | 192.168.0.198 |
| 3927196066 | 00-03-EA-14-41-A2 | 192.168.0.132 |
| 3927213199 | 00-03-EA-14-84-8F | 192.168.0.32 |
| 3927225097 | 00-03-EA-14-B3-09 | 192.168.0.224 |
| 3927302529 | 00-03-EA-15-E1-81 | 192.168.0.31 |

Hardware Version: HBY506
Firmware Version: 3.5.BY506
MAC Address: 00-03-EA-14-B3-09 Select 1 of 23



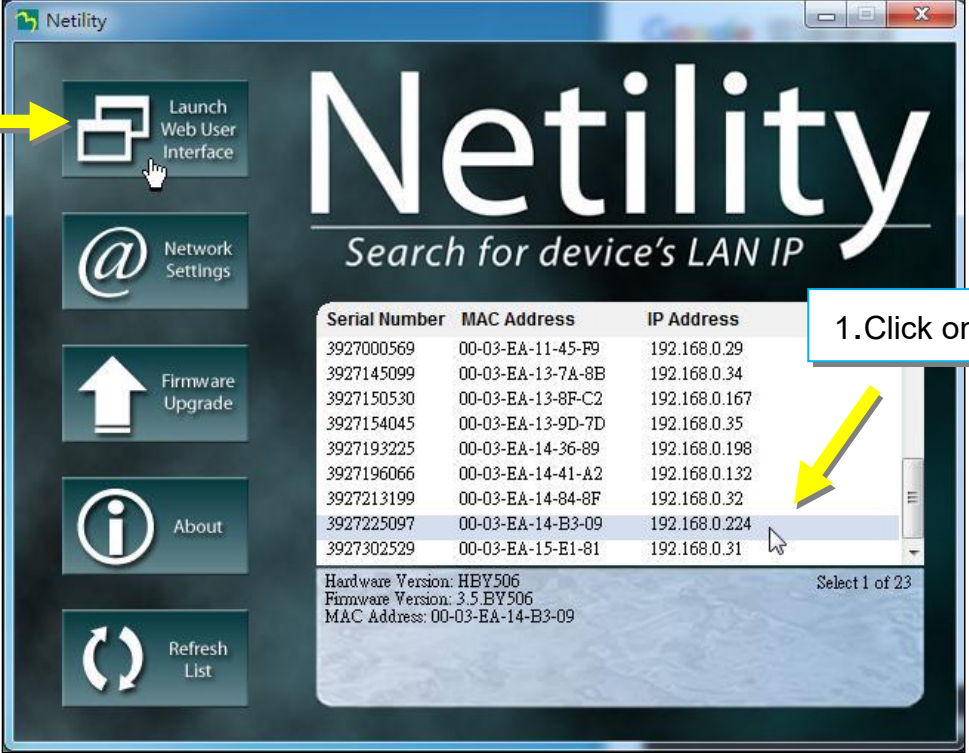
1.2 Individual NetAgent Info

Click on specific NetAgent, the bottom column shows its hardware, firmware version and MAC address. It also shows the total NetAgent number that found by Netility and selected



2.1 Launch Web User Interface

Select specific NetAgent from the list and click on Launch Web User Interface to login to the NetAgent's webpage



2. Click on Launch Web User Interface

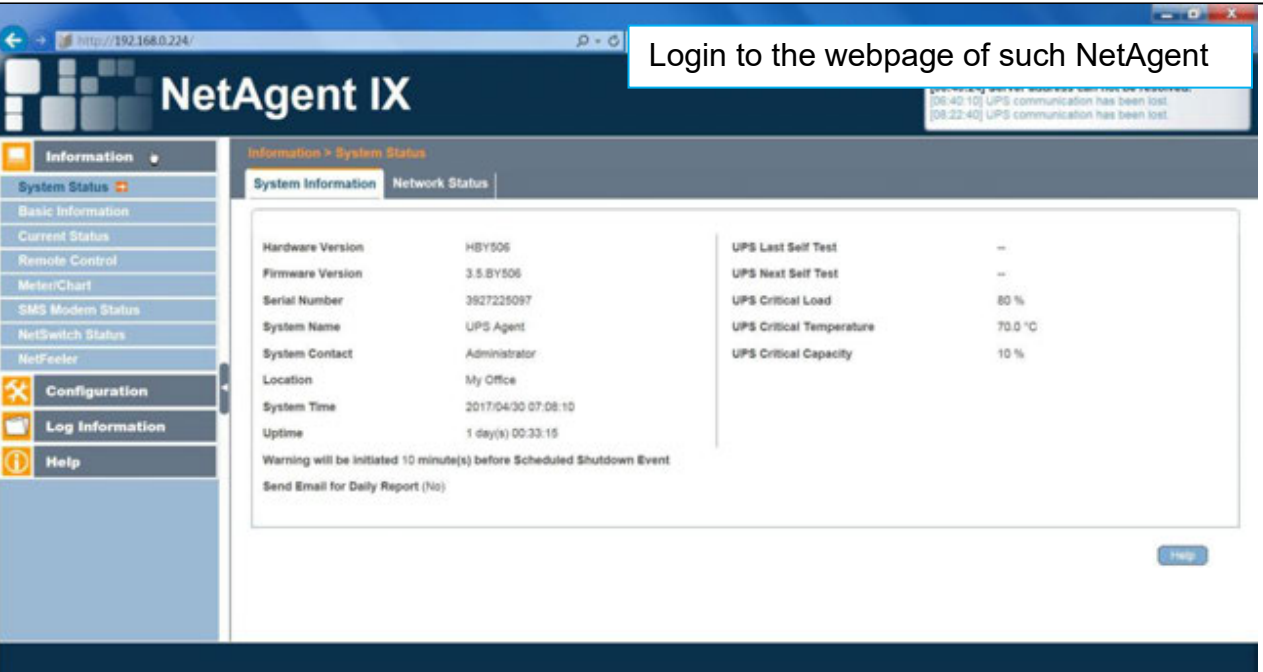
1. Click on NetAgent

The screenshot shows the Netility web interface. On the left, there are several navigation buttons: 'Launch Web User Interface' (with a computer icon), 'Network Settings' (with an @ icon), 'Firmware Upgrade' (with an upward arrow icon), 'About' (with an information icon), and 'Refresh List' (with a circular refresh icon). The main area displays a table of NetAgents with columns for Serial Number, MAC Address, and IP Address. The IP address 192.168.0.224 is highlighted, and a yellow arrow points to it with the label '1. Click on NetAgent'. Below the table, there is a summary of hardware and firmware information for the selected device.

| Serial Number | MAC Address | IP Address |
|---------------|-------------------|---------------|
| 3927000569 | 00-03-EA-11-45-F9 | 192.168.0.29 |
| 3927145099 | 00-03-EA-13-7A-8B | 192.168.0.34 |
| 3927150530 | 00-03-EA-13-8F-C2 | 192.168.0.167 |
| 3927154045 | 00-03-EA-13-9D-7D | 192.168.0.35 |
| 3927193225 | 00-03-EA-14-36-89 | 192.168.0.198 |
| 3927196066 | 00-03-EA-14-41-A2 | 192.168.0.132 |
| 3927213199 | 00-03-EA-14-84-8F | 192.168.0.32 |
| 3927225097 | 00-03-EA-14-B3-09 | 192.168.0.224 |
| 3927302529 | 00-03-EA-15-E1-81 | 192.168.0.31 |

Hardware Version: HBY506
Firmware Version: 3.5.BY506
MAC Address: 00-03-EA-14-B3-09

Select 1 of 23



Login to the webpage of such NetAgent

The screenshot shows the NetAgent IX web interface. The browser address bar displays 'http://192.168.0.224/'. The page title is 'NetAgent IX'. The interface is divided into a left sidebar with navigation options: 'Information', 'System Status', 'Basic Information', 'Current Status', 'Remote Control', 'Meter/Chart', 'SMS Modem Status', 'NetSwitch Status', 'NetFeeler', 'Configuration', 'Log Information', and 'Help'. The main content area shows 'Information > System Status' with tabs for 'System Information' and 'Network Status'. The 'System Information' tab is active, displaying a table of system details and a 'Warning will be initiated 10 minute(s) before Scheduled Shutdown Event'.

| | | | |
|------------------|---------------------|--------------------------|---------|
| Hardware Version | HBY506 | UPS Last Self Test | -- |
| Firmware Version | 3.5.BY506 | UPS Next Self Test | -- |
| Serial Number | 3927225097 | UPS Critical Load | 80 % |
| System Name | UPS Agent | UPS Critical Temperature | 70.0 °C |
| System Contact | Administrator | UPS Critical Capacity | 10 % |
| Location | My Office | | |
| System Time | 2017/04/30 07:08:10 | | |
| Uptime | 1 day(s) 00:33:15 | | |

Warning will be initiated 10 minute(s) before Scheduled Shutdown Event

Send Email for Daily Report (No)

2.2 Network Settings

- When connecting the NetAgent for the first time, ensure IP address and other network setting are correctly entered in order to login to the NetAgent's webpage via browser or HyperTerminal
- When select to obtain IP address by DHCP or BOOTP, IP address and other network parameter will be assign by the network
- NetAgent offers 4 network protocols - HTTP / HTTPS / TELNET / SSH for management with security consideration. If any change on port number, the it require to enter the full IP address with port number in order to login
For example : HTTP port number change to 81
The full address to be enter on browser should be "http://X.X.X.X:81"
(X.X.X.X is the IP address of the NetAgent)
For Example : Telnet port number change to 24
The full address to be enter on HyperTerminal should be "http://X.X.X.X 24" (X.X.X.X is the IP address of the NetAgent)
- When password of the NetAgent is enabled, it is necessary to enter the correct password before making any configuration change and firmware upgrade

The image shows a screenshot of the Netility web interface with several callouts and annotations:

- 1. Click on specific NetAgent**: Points to a table of device information.
- 2. Click on Network Settings**: Points to the 'Network Settings' button in the sidebar.
- Select to assign IP by DHCP**: Points to the 'Obtain IP address by DHCP' radio button in the 'Configure' dialog.
- Columns requires to be entered for Static IP address**: Points to the IP Address, Subnet Mask, and Gateway fields in the 'Configure' dialog.

| Serial Number | MAC Address | IP Address |
|---------------|-------------------|---------------|
| 3926444847 | 00-03-EA-08-CB-2F | 192.168.1.107 |
| 3927177694 | 00-03-EA-13-F9-DE | 192.168.1.105 |
| 3927225097 | 00-03-EA-14-B3-09 | 169.254.70.73 |

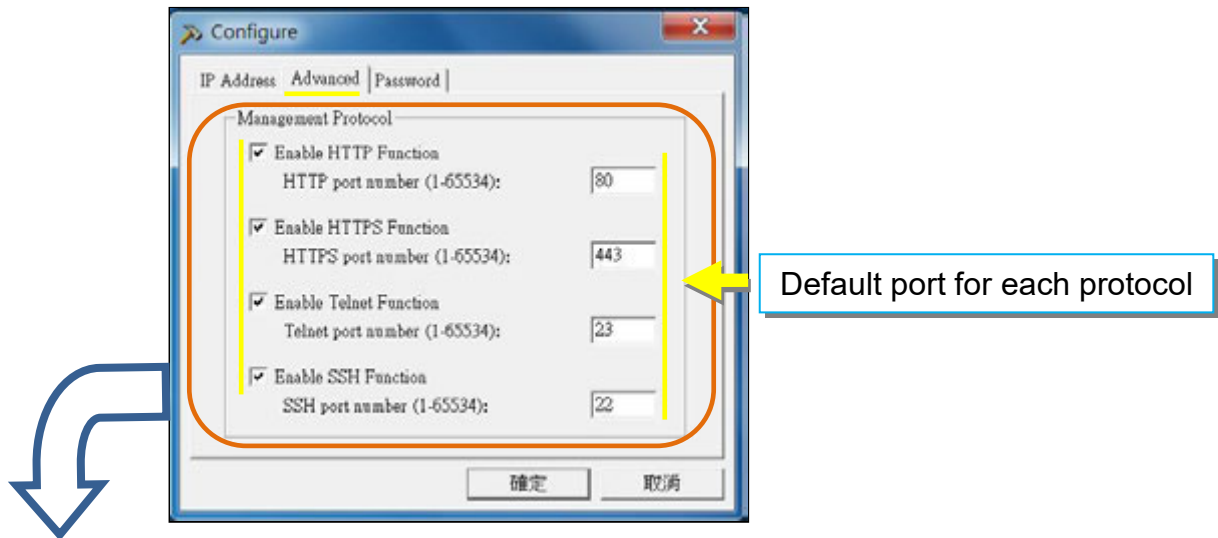
Hardware Version: HBY506
Version: 3.5, BY5
: 00-03-EA-1

Configure dialog options:

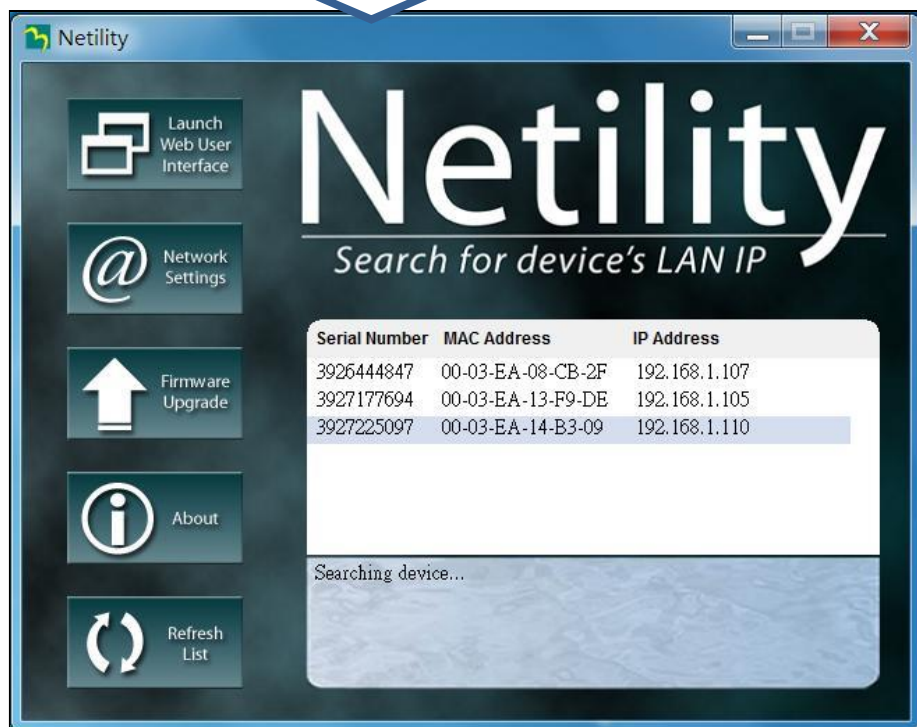
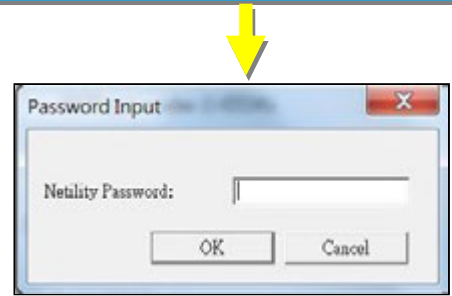
- Obtain IP address by DHCP
- Obtain IP address by BOOTP
- Use following Static IP address

Static IP Address fields:

- IP Address: 192 . 168 . 1 . 110
- Subnet Mask: 255 . 255 . 255 . 0
- Gateway: 192 . 168 . 1 . 1



Once password is enabled and configured, it is required to enter the correct password when change any setting or firmware upgrade



2.3 Firmware Upgrade

- This is to upgrade or re-load the firmware to the NetAgent unit. Firmware version is available on the official website. Ensure to check the NetAgent model, hardware version for the correct firmware version (.bin)
- Ways to select NetAgent for firmware upgrading
 - (1) Click on specific NetAgent from the Netility list
 - (2) Press and hold on CTRL key then select multi NetAgent unit from the list=>This is to upgrade multi units at once
 - (3) Click on the first NetAgent from the list, then press and hold on SHIFT key as well as click on the last unit of the NetAgent =>This is if all NetAgent from the list are same model

⚠ WARNING : Please makes sure the multi NetAgent selected are same model

- If any failure during firmware upgrading, please upgrade again until it is successfully done
- While upgrading, red and yellow LED would alternating flashing, or red led flashing. DO NOT remove any power or cable to the NetAgent. Once firmware is successfully upgraded, NetAgent would reboot automatically.

The image illustrates the Netility firmware upgrade process through a series of screenshots and numbered steps:

- Upgrade Single NetAgent:** Shows the Netility interface with the 'Firmware Upgrade' button highlighted.
- Selection of Multi-NetAgent:** Shows the Netility interface with multiple rows in the device list selected.
- Upgrade consecutive NetAgent:** Shows the Netility interface with a range of rows in the device list selected.
- 1. Select .bin file:** Shows the 'Firmware Download' dialog with a file name field containing 'D:\FIRMWARE\3.5.BY506\3.5.BY506.bin'.
- 2. Click on Download:** Shows the 'Download' button being clicked in the 'Firmware Download' dialog.
- 3. Upgrade message:** Shows the 'Firmware Download' dialog displaying '1 unit success, 0 unit fail.' and 'Download Successfully'.
- 4. Cancel to exit:** Shows the 'Cancel' button being clicked in the 'Firmware Download' dialog.

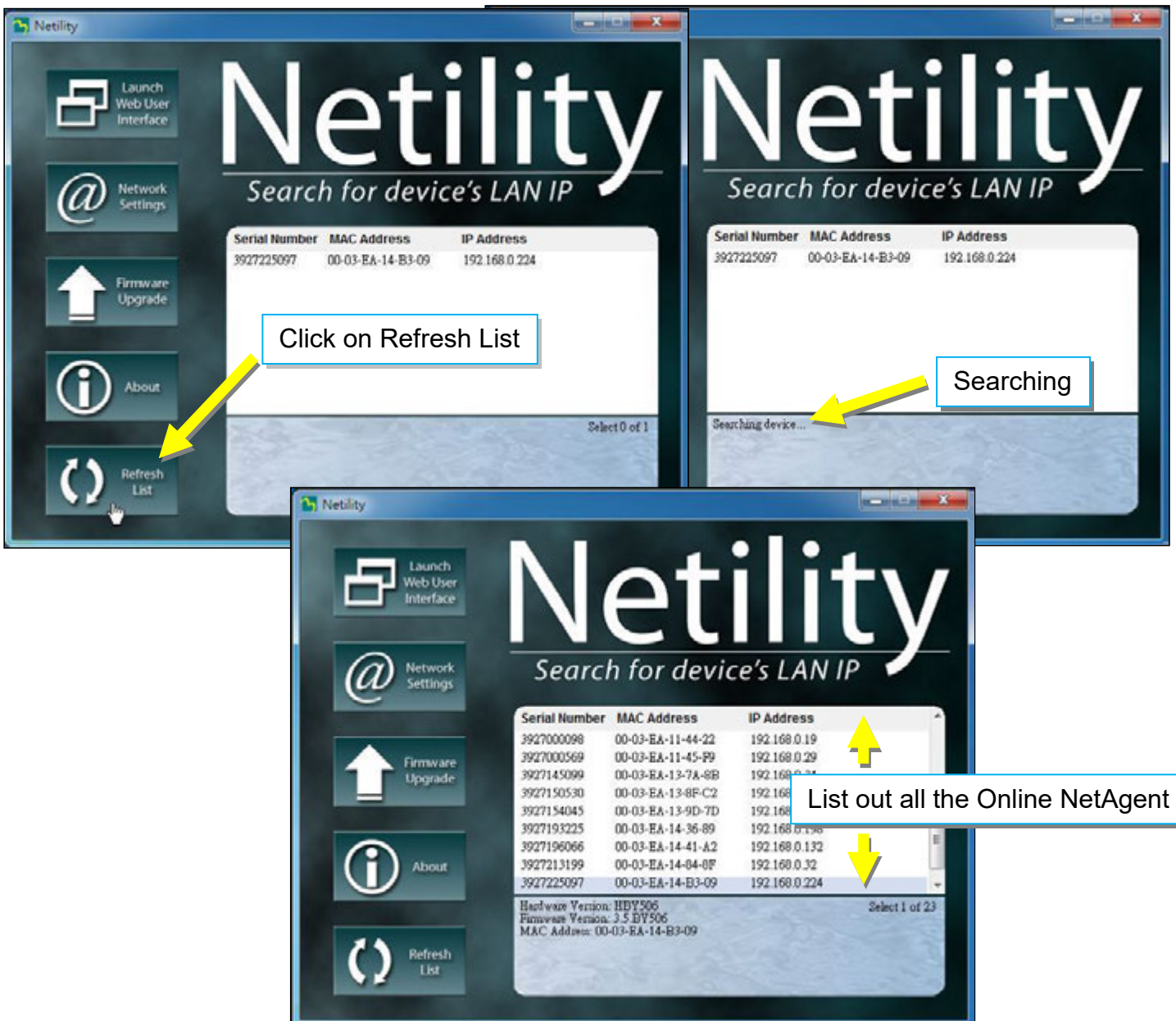
2.4 About

Here shows the current Netility version



2.5 Refresh List

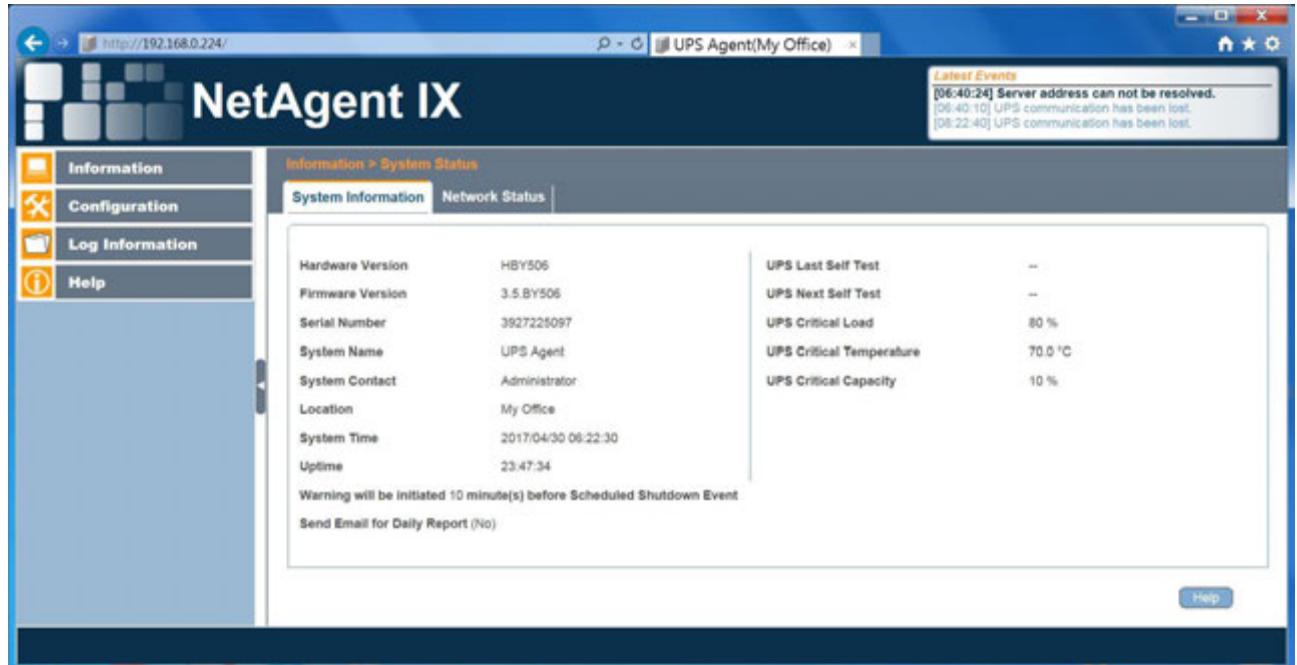
The list on Netility would refresh every 2 minutes automatically, however, manual refresh is also possible by clicking Refresh List



4.3 SNMP NetAgent Setting

4.3.1 Web Interface

SNMP Mini & NetAgent 9



The screenshot shows the NetAgent IX web interface. The browser address bar displays `http://192.168.0.224/` and the page title is "UPS Agent(My Office)". The interface features a left-hand navigation menu with options: Information, Configuration, Log Information, and Help. The main content area is titled "Information > System Status" and contains two tabs: "System Information" (selected) and "Network Status".

System Information

| | | | |
|------------------|---------------------|--------------------------|---------|
| Hardware Version | HBYS06 | UPS Last Self Test | -- |
| Firmware Version | 3.5.BY506 | UPS Next Self Test | -- |
| Serial Number | 3927225097 | UPS Critical Load | 80 % |
| System Name | UPS Agent | UPS Critical Temperature | 70.0 °C |
| System Contact | Administrator | UPS Critical Capacity | 10 % |
| Location | My Office | | |
| System Time | 2017/04/30 06:22:30 | | |
| Uptime | 23:47:34 | | |

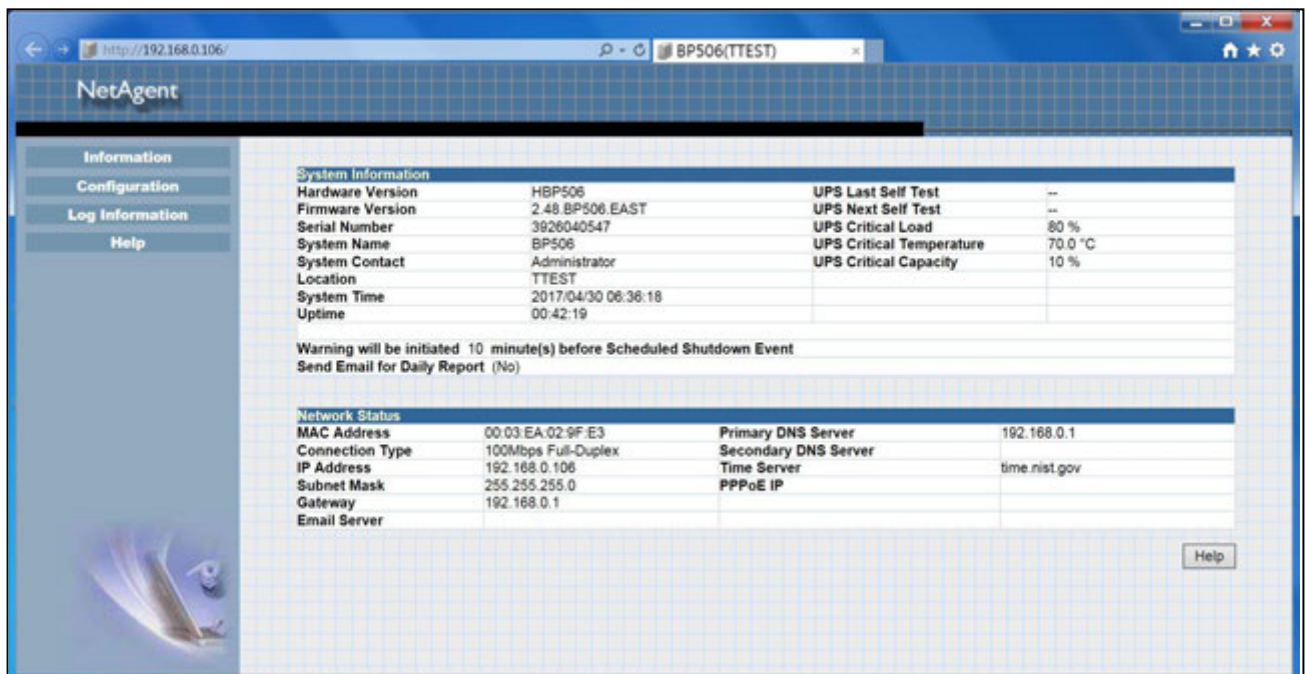
Warning will be initiated 10 minute(s) before Scheduled Shutdown Event
Send Email for Daily Report (No)

Latest Events

- [06:40:24] Server address can not be resolved.
- [06:40:10] UPS communication has been lost.
- [08:22:40] UPS communication has been lost.

Help

SNMP Mini & NetAgent II



The screenshot shows the NetAgent II web interface. The browser address bar displays `http://192.168.0.106/` and the page title is "BP506(TTEST)". The interface features a left-hand navigation menu with options: Information, Configuration, Log Information, and Help. The main content area is titled "System Information" and contains two tabs: "System Information" (selected) and "Network Status".

System Information

| | | | |
|------------------|---------------------|--------------------------|---------|
| Hardware Version | HBP506 | UPS Last Self Test | -- |
| Firmware Version | 2.48.BP506.EAST | UPS Next Self Test | -- |
| Serial Number | 3926040547 | UPS Critical Load | 80 % |
| System Name | BP506 | UPS Critical Temperature | 70.0 °C |
| System Contact | Administrator | UPS Critical Capacity | 10 % |
| Location | TTEST | | |
| System Time | 2017/04/30 06:36:18 | | |
| Uptime | 00:42:19 | | |

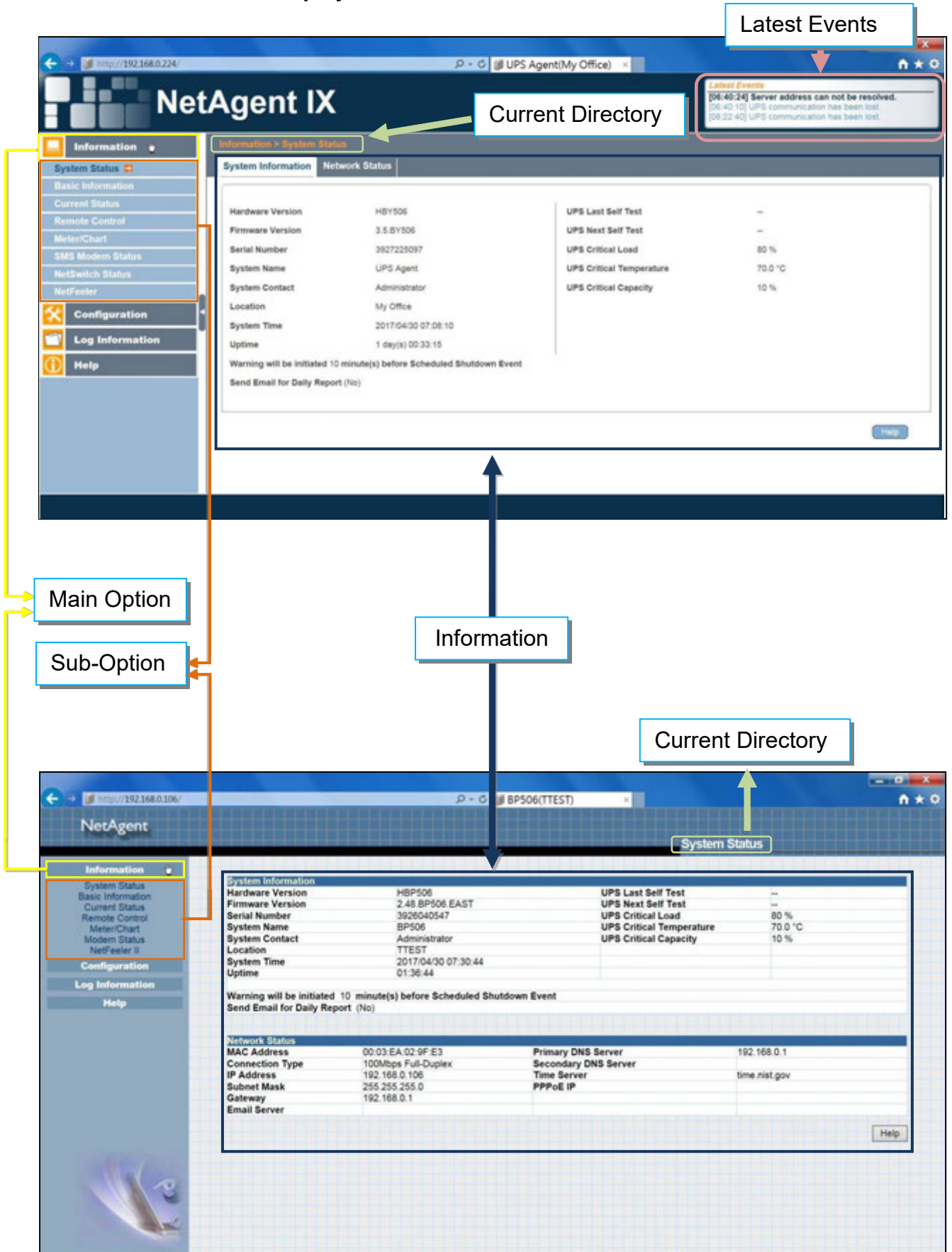
Warning will be initiated 10 minute(s) before Scheduled Shutdown Event
Send Email for Daily Report (No)

Network Status

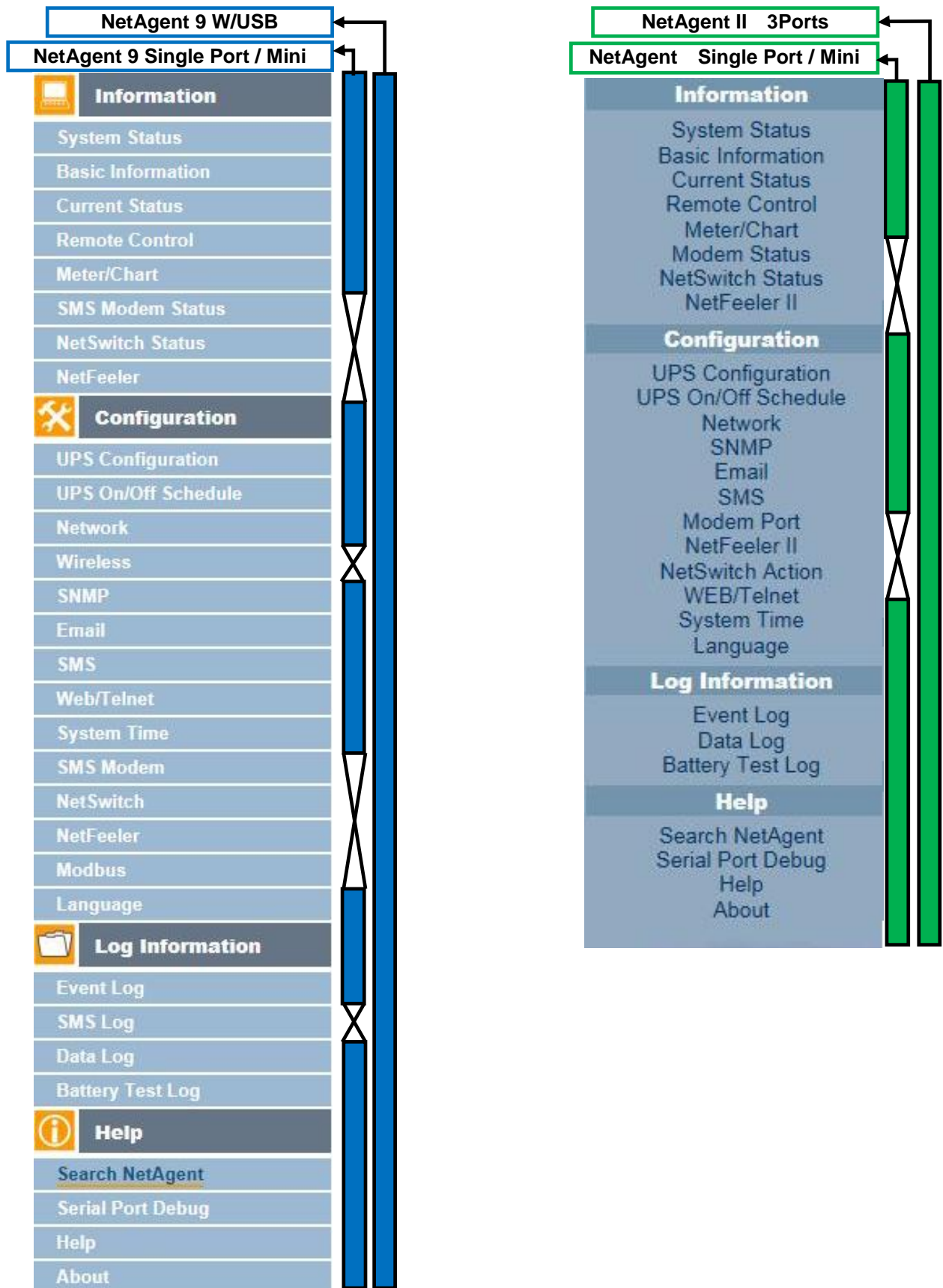
| | | | |
|-----------------|---------------------|----------------------|---------------|
| MAC Address | 00:03:EA:02:9F:E3 | Primary DNS Server | 192.168.0.1 |
| Connection Type | 100Mbps Full-Duplex | Secondary DNS Server | |
| IP Address | 192.168.0.106 | Time Server | time.nist.gov |
| Subnet Mask | 255.255.255.0 | PPPoE IP | |
| Gateway | 192.168.0.1 | | |
| Email Server | | | |

Help

■ Web Interface Display



4.3.2 NetAgent Option Directory Structure



4.3.3 snmp CARD Setting Options

- Information > System Status
- **System Information**

Here shows all the basic information of the NetAgent such as hardware / firmware version; Serial Number; Uptime...etc.

NetAgent 9 Mini & NetAgent 9

The screenshot shows the NetAgent IX web interface. The browser address bar displays 'http://192.168.0.224/'. The page title is 'NetAgent IX'. A 'Latest Events' box in the top right corner contains the following text:

```

[06:40:24] Server address can not be resolved.
[06:40:10] UPS communication has been lost.
[08:22:40] UPS communication has been lost.
    
```

The main content area is titled 'Information > System Status' and has two tabs: 'System Information' (selected) and 'Network Status'. The 'System Information' tab displays the following data:

| | | | |
|------------------|---------------------|--------------------------|---------|
| Hardware Version | HBY506 | UPS Last Self Test | -- |
| Firmware Version | 3.5.BY506 | UPS Next Self Test | -- |
| Serial Number | 3927225097 | UPS Critical Load | 80 % |
| System Name | UPS Agent | UPS Critical Temperature | 70.0 °C |
| System Contact | Administrator | UPS Critical Capacity | 10 % |
| Location | My Office | | |
| System Time | 2017/04/30 07:08:10 | | |
| Uptime | 1 day(s) 00:33:15 | | |

Below the table, a warning message states: 'Warning will be initiated 10 minute(s) before Scheduled Shutdown Event'. At the bottom, it says 'Send Email for Daily Report (No)'. A 'Help' button is located at the bottom right of the main content area.

NetAgent Mini & NetAgent II

The screenshot shows the NetAgent web interface. The browser address bar displays 'http://192.168.0.224/'. The page title is 'NetAgent'. The main content area is titled 'System Status' and has two tabs: 'System Information' (selected) and 'Network Status'. The 'System Information' tab displays the following data:

| | | | |
|------------------|---------------------|--------------------------|---------|
| Hardware Version | HBP506 | UPS Last Self Test | -- |
| Firmware Version | 2.48.BP506.EAST | UPS Next Self Test | -- |
| Serial Number | 3926040547 | UPS Critical Load | 80 % |
| System Name | UPS Agent | UPS Critical Temperature | 70.0 °C |
| System Contact | Administrator | UPS Critical Capacity | 10 % |
| Location | My Office | | |
| System Time | 2017/05/01 13:20:14 | | |
| Uptime | 00:03:37 | | |

Below the table, a warning message states: 'Warning will be initiated 10 minute(s) before Scheduled Shutdown Event'. At the bottom, it says 'Send Email for Daily Report (No)'. A 'Help' button is located at the bottom right of the main content area.

The 'Network Status' tab displays the following data:

| | | | |
|-----------------|---------------------|----------------------|---------------|
| MAC Address | 00:03:EA:02:9F:E3 | Primary DNS Server | 192.168.0.1 |
| Connection Type | 100Mbps Full-Duplex | Secondary DNS Server | |
| IP Address | 192.168.0.106 | Time Server | time.nist.gov |
| Subnet Mask | 255.255.255.0 | PPPoE IP | |
| Gateway | 192.168.0.1 | | |
| Email Server | | | |

- **Network Status**

This page shows the network information of the NetAgent. With NetAgent9 series which supports IPv6 could work with compatible network appliance.

NetAgent 9 Mini & NetAgent 9

The screenshot displays the 'Network Status' page for NetAgent 9. The left sidebar contains navigation options: Information (System Status, Basic Information, Current Status, Remote Control, Meter/Chart, SMS Modem Status, NetSwitch Status, NetFeeler), Configuration, Log Information, and Help. The main content area is titled 'Information > System Status' and has two tabs: 'System Information' and 'Network Status'. The 'Network Status' tab is active, showing details for Ethernet, General, IPv4, and IPv6.

| Ethernet | | General | |
|-----------------|---------------------|--------------|---------------|
| MAC Address | 00:03:EA:14:B3:09 | Email Server | |
| Connection Type | 100Mbps Full-Duplex | Time Server | time.nist.gov |
| | | PPPoE IP | |
| | | PPPoE IPv6 | |

| IPv4 | | IPv6 | |
|----------------------|---------------|----------------------|-----------------------------|
| IP Address | 192.168.0.224 | IP Address | |
| Subnet Mask | 255.255.255.0 | LinkLocal Address | fe80::203:eaff:fe14:b309/64 |
| Gateway | 192.168.0.2 | IPv4 Address | |
| Primary DNS Server | 192.168.0.2 | Gateway | |
| Secondary DNS Server | | Primary DNS Server | |
| | | Secondary DNS Server | |

NetAgent Mini & NetAgent II

The screenshot displays the 'System Status' page for NetAgent Mini & NetAgent II. The left sidebar contains navigation options: Information (System Status, Basic Information, Current Status, Remote Control, Meter/Chart, Modem Status, NetFeeler II), Configuration, Log Information, and Help. The main content area is titled 'NetAgent System Status' and has two tabs: 'System Information' and 'Network Status'. The 'System Information' tab is active, showing details for hardware, system, and UPS status. A warning message is displayed: 'Warning will be initiated 10 minute(s) before Scheduled Shutdown Event'. The 'Network Status' tab is also visible, showing details for Ethernet, IPv4, and IPv6.

| System Information | | | |
|--------------------|---------------------|--------------------------|---------|
| Hardware Version | HBP506 | UPS Last Self Test | -- |
| Firmware Version | 2.48.BP506.EAST | UPS Next Self Test | -- |
| Serial Number | 3926040547 | UPS Critical Load | 80 % |
| System Name | UPS Agent | UPS Critical Temperature | 70.0 °C |
| System Contact | Administrator | UPS Critical Capacity | 10 % |
| Location | My Office | | |
| System Time | 2017/05/01 13:20:14 | | |
| Uptime | 00:03:37 | | |

Warning will be initiated 10 minute(s) before Scheduled Shutdown Event
Send Email for Daily Report (No)

| Network Status | | | |
|-----------------|---------------------|----------------------|---------------|
| MAC Address | 00:03:EA:02:9F:E3 | Primary DNS Server | 192.168.0.1 |
| Connection Type | 100Mbps Full-Duplex | Secondary DNS Server | |
| IP Address | 192.168.0.106 | Time Server | time.nist.gov |
| Subnet Mask | 255.255.255.0 | PPPoE IP | |
| Gateway | 192.168.0.1 | | |
| Email Server | | | |

■ **Information > Basic Information**

This page shows UPS information/Battery Information/Rating Information. The data is obtained from the reply of UPS or the settings from [UPS Configuration] webpage

NetAgent 9 Mini & NetAgent 9

Information > Basic Information

| UPS Information | |
|----------------------|-------------|
| UPS Manufacturer | Megatec_UPS |
| UPS Firmware Version | 20170001 |
| UPS Model | BEST_UPS |

| Battery Information | |
|----------------------------------|------------|
| Date of last battery replacement | 2016/01/01 |
| Number of Batteries | 2 |
| Battery Charge Voltage | 2.267 V |

| Rating Information | |
|------------------------|---------|
| Voltage Rating | 220.0 V |
| Frequency Rating | 50.0 Hz |
| Battery Voltage Rating | 24.01 V |

Help

NetAgent Mini

NetAgent Basic Information

| UPS Information | |
|----------------------|-------------|
| UPS Manufacturer | Megatec_UPS |
| UPS Firmware Version | 20170001 |
| UPS Model | BEST_UPS |

| Battery Information | |
|----------------------------------|------------|
| Date of last battery replacement | 2006/01/01 |
| Number of Batteries | 2 |
| Battery Charge Voltage | 2.267V |

| Rating Information | |
|------------------------|--------|
| Voltage Rating | 220.0V |
| Frequency Rating | 50.0Hz |
| Battery Voltage Rating | 24.01V |

Help

■ **Information > Current Status**

This page shows current UPS Input / Output and Battery Status. Status refresh time can be configured. When abnormal condition occurs, it shows in red.

NetAgent 9 Mini

Information > Current Status

Input Status | Output Status | Battery Status

| | | |
|-------------------------|---------|--|
| AC Status | Normal | |
| Input Line Voltage | 220.1 V | |
| Input Max. Line Voltage | 220.1 V | |
| Input Min. Line Voltage | 220.1 V | |
| Input Frequency | 50.0 Hz | |

UPS Status: UPS Normal

Refresh status every: 10 seconds

Refresh status every options: 2 seconds, 5 seconds, 10 seconds, 30 seconds, 1 minute

NetAgent Mini & NetAgent II

NetAgent

Current Status

Refresh status every: 10 seconds

UPS Status: UPS Normal

Input Status

| | |
|-------------------------|------------|
| AC Status | On Battery |
| Input Line Voltage | 220.1 V |
| Input Max. Line Voltage | 220.1 V |
| Input Min. Line Voltage | 220.1 V |
| Input Frequency | 50.0 Hz |

Output Status

| | |
|----------------|------------|
| Output Voltage | 220.1 V |
| Output Status | On Battery |
| UPS load | 30 % |

Battery Status

| | |
|----------------------------------|---------------------|
| Temperature | 30.1 °C (86.1 °F) |
| Battery Status | Battery Low |
| Battery Capacity | 100 % |
| Battery Voltage | 325.2 V |
| Time on Battery | 00:02:14 |
| Estimated Battery Remaining Time | 1 day(s) 09:20:00 |
| UPS Last Self Test | -- |
| UPS Next Self Test | -- |

■ Information > Remote Control

Here, user can perform several test to the UPS remotely. Once the option is selected, please click on Apply in order to execute it.

NetAgent 9 Mini & NetAgent 9

The screenshot displays the 'Information > Remote Control' interface for NetAgent 9. On the left is a navigation menu with categories: Information (System Status, Basic Information, Current Status, Remote Control, Meter/Chart, SMS Modem Status, NetSwitch Status, NetFeeler), Configuration, Log Information, and Help. The main content area is titled 'Information > Remote Control' and contains two sections: 'UPS Testing' and 'Miscellaneous'. The 'UPS Testing' section has four radio button options: '10-Second Test' (selected), 'Deep Battery Test for 10 minute(s)', 'Test until battery capacity below 10 %', and 'Test Until Battery Low'. The 'Miscellaneous' section has five radio button options: 'Turn off UPS when AC power Falls', 'Put UPS in Sleep mode for 60 minute(s)', 'Wake up UPS', 'Reboot UPS', and 'UPS Buzzer On/Off'. At the bottom right, there are three buttons: 'Apply', 'Reset', and 'Help'. A yellow box highlights the 'Apply' button, and a yellow arrow points from a text box labeled 'Select and Apply' to it. Another yellow arrow points from the 'Apply' button back to the '10-Second Test' radio button.

NetAgent Mini & NetAgent II

The screenshot displays the 'Remote Control' interface for NetAgent Mini & NetAgent II. On the left is a navigation menu with categories: Information (System Status, Basic Information, Current Status, Remote Control, Meter/Chart, Modem Status, NetFeeler II), Configuration, Log Information, and Help. The main content area is titled 'Remote Control' and contains two sections: 'UPS Testing' and 'Miscellaneous'. The 'UPS Testing' section has four radio button options: '10-Second Test' (selected), 'Deep Battery Test for 10 minute(s)', 'Test until battery capacity below 10 %', and 'Test Until Battery Low'. The 'Miscellaneous' section has five radio button options: 'Turn off UPS when AC power Falls', 'Put UPS in Sleep mode for 60 minute(s)', 'Wake up UPS', 'Reboot UPS', and 'UPS Buzzer On/Off'. At the bottom right, there are three buttons: 'Apply', 'Reset', and 'Help'. A yellow box highlights the 'Apply' button, and a yellow arrow points from a text box labeled 'Select and Apply' to it. Another yellow arrow points from the 'Apply' button back to the '10-Second Test' radio button.

■ Information > Meter/Chart

This is to show UPS Input, Output, Temperature, Frequency..etc in graphic or chart. Java is required.



NetAgent 9 Mini & NetAgent 9

| Time-1 | Value-1 |
|----------------|----------|
| Input Volt(V) | 18:56:21 |
| Output Volt(V) | 18:56:21 |
| Temperature | 18:56:21 |
| Frequency(Hz) | 18:56:21 |
| Load(%) | 18:56:21 |
| Capacity(%) | 18:56:21 |

NetAgent Mini & NetAgent II

NetAgent
Meter/Chart

Information
Meter/Chart

Configuration
Log Information

Help

Single-Phase UPS Data Code Table

| | | |
|-----------------------------------|------------------------------------|-----------------------------------|
| <p>Input Volt(V)</p> <p>220.1</p> | <p>Output Volt(V)</p> <p>220.1</p> | <p>Temperature(C)</p> <p>30.1</p> |
| <p>Frequency(Hz)</p> <p>50.0</p> | <p>Load(%)</p> <p>30.0</p> | <p>Capacity(%)</p> <p>100.0</p> |

Single-Phase UPS Data Graphics

Input Volt(V)
 Output Volt(V)
 Temperature(C)

| Time-t | Value-t | Unit |
|----------------|----------|------|
| Input Volt(V) | 18:56:21 | 0 08 |
| Output Volt(V) | 18:56:21 | 0 08 |
| Temperature | 18:56:21 | 0 08 |
| Frequency(Hz) | 18:56:21 | 0 08 |
| Load(%) | 18:56:21 | 0 08 |
| Capacity(%) | 18:56:21 | 0 08 |

■ **Information > SMS Modem Status**

This page shows the Modem status when GPRS modem is connecting with NetAgent 9 or NetAgent II (3 Ports)

NetAgent 9

| Modem Information | |
|------------------------|----------------|
| Modem Manufacturer | SIEMENS |
| Modem Model | MC55 |
| Modem Firmware Version | REVISION 04.00 |

| GSM Modem Current Status | |
|--------------------------------|---|
| Service Provider | TWN GSM 1800 |
| Central number of SMS service | 886935874443 |
| Signal Strength | 54% |
| SIM card PIN is correct or not | SIM card PIN correct or no PIN configured |

NetAgent II 3 Ports

| Modem Information | |
|------------------------|----------------|
| Modem Manufacturer | SIEMENS |
| Modem Model | MC55 |
| Modem Firmware Version | REVISION 04.00 |

| GSM Modem Current Status | |
|--------------------------------|---|
| Service Provider | TWN GSM 1800 |
| Central number of SMS service | 886935874443 |
| Signal Strength | 38% |
| SIM card PIN is correct or not | SIM card PIN correct or no PIN configured |

■ **Information > NetSwitch Status**

If NetAgent connects with our NetSwitch to control outlet remotely, this page shows the status of each outlet and each outlet can be turn On/Off manually

NetAgent 9

Select NetSwitch ID

Control Outlet

NetAgent II 3 Ports

Control Outlet

■ **Information > NetFeeler (NetFeeler II)**

This page shows the environmental status when NetFeeler/ NetFeeler II and its accessories are connected with NetAent.

NetAgent 9 3PORTS

The screenshot displays the NetAgent 9 3PORTS interface. On the left is a navigation menu with categories: Information (System Status, Basic Information, Current Status, Remote Control, Meter/Chart, SMS Modem Status, NetSwitch Status, NetFeeler), Configuration, Log Information, and Help. The main content area is titled 'Information > NetFeeler'. It features a 'NetFeeler Status' table with environmental and security data. Below the table are 'Reset Alarm' and 'Help' buttons, and a 'Refresh status every' dropdown menu set to 5 seconds.

| NetFeeler Status | | | |
|---------------------------|---------------------|------------------|--------|
| Environmental Temperature | 29.1 °C (84.3 °F) | Security1 Status | Normal |
| Environmental Humidity | 54 % | Security2 Status | Normal |
| Water Status | Alarm | Security3 Status | Normal |
| Gas Status | Normal | Security4 Status | Normal |
| Smoke Status | Normal | Security5 Status | Normal |
| | | Security6 Status | Normal |
| | | Security7 Status | Normal |

NetAgent II 3 Ports

The screenshot displays the NetAgent II 3 Ports interface. The top header shows 'NetAgent' on the left and 'NetFeeler II' on the right. The left navigation menu includes: Information (System Status, Basic Information, Current Status, Remote Control, Meter/Chart, Modem Status, NetFeeler II), Configuration, Log Information, and Help. The main content area is titled 'NetFeeler II Status' and shows environmental and security data. A 'Refresh status every' dropdown menu is set to 10 seconds. 'Reset Alarm' and 'Help' buttons are located at the bottom right.

| NetFeeler II Status | |
|---------------------------|---------------------|
| Environmental Temperature | 27.3 °C (81.1 °F) |
| Environmental Humidity | 58 % |
| Water Status | Alarm |
| Gas Status | Normal |
| Smoke Status | Normal |
| Security1 Status | Normal |
| Security2 Status | Normal |
| Security3 Status | Normal |
| Security4 Status | Normal |
| Security5 Status | Normal |
| Security6 Status | Normal |
| Security7 Status | Normal |

■ **Configuration > UPS Configuration**

- UPS Properties (Please refer to your UPS specification)

UPS Communication Type:

In order to let NetAgent and UPS to establish the communication, select the compatible protocol which your UPS supported from the list. Wrong protocol selected would cause no communication at all. (Megatec is default protocol)

Number of Batteries :

Enter the number of battery that the UPS has.

Battery Full Charge Voltage (V) :

Enter the number of the full charged voltage per battery cell. (2.267 is default, this is recommended not to be change)

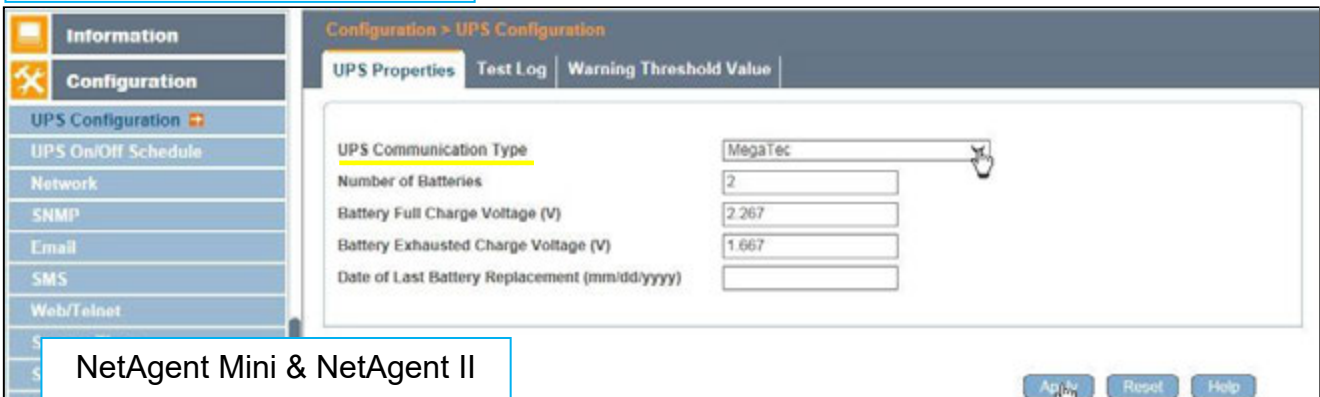
Battery Exhausted Charge Voltage(V) :

Enter the number of exhausted voltage per battery cell. (1.667 is default, this is recommended not to be change)

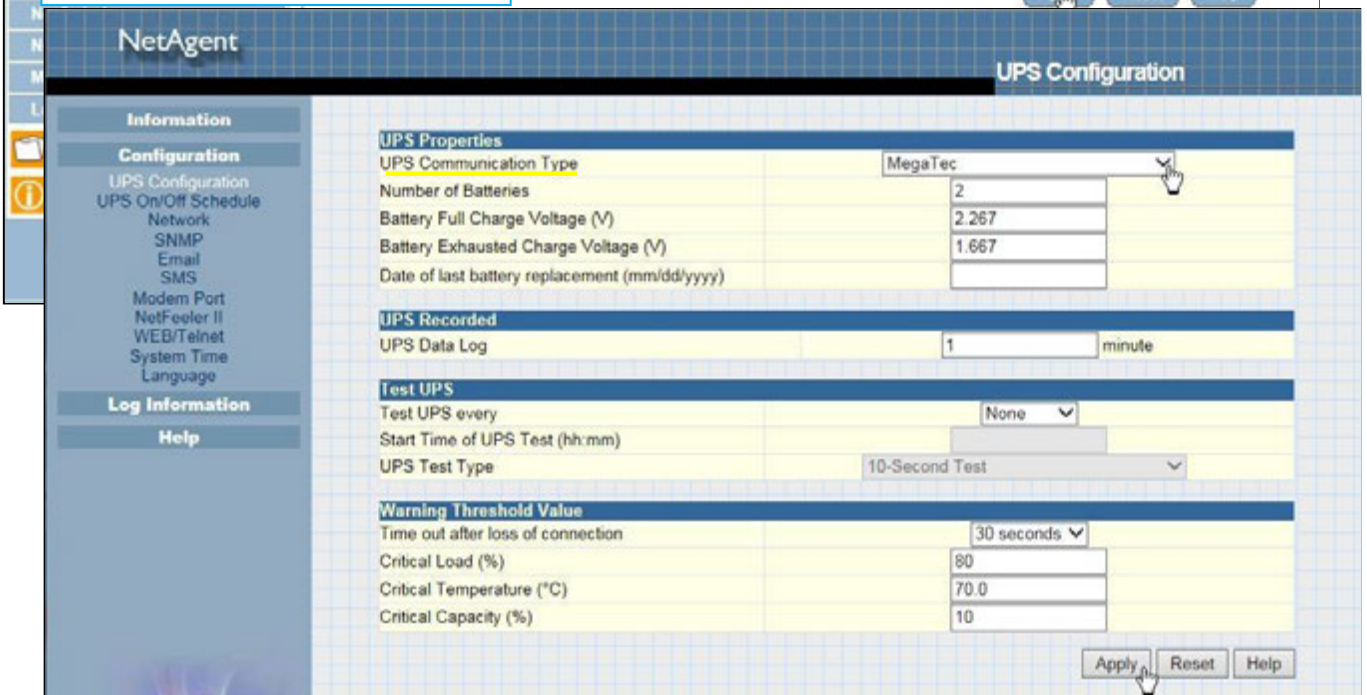
Date of Last Battery replacement(mm/dd/yyyy) :

Enter the date of last battery replacement for record

NetAgent 9 Mini & NetAgent 9



NetAgent Mini & NetAgent II



- Test Log

Test UPS Every :

Week /2 Weeks/ Month / Quarter UPS can be selected

Start Time of UPS Test (hh:mm) :

To enter the time to begin the test

UPS Test Type :

Test option can be select from the drop down list

UPS Data Log :

To enter the time interval to refreshing data

NetAgent 9 Mini & NetAgent 9

Configuration > UPS Configuration

UPS Properties | **Test Log** | Warning Threshold Value

Test UPS

Test UPS every: None

Start Time of UPS Test (hh:mm):

UPS Test Type: 10-Second Test

UPS Recorder

UPS Data Log: 1 Minute(s) (0 = Stop Recording)

Apply Reset Help

NetAgent Mini & NetAgent II

NetAgent

UPS Configuration

UPS Properties

UPS Communication Type: MegaTec

Number of Batteries: 2

Battery Full Charge Voltage (V): 2.267

Battery Exhausted Charge Voltage (V): 1.667

Date of last battery replacement (mm/dd/yyyy):

UPS Recorded

UPS Data Log: 1 minute

Test UPS

Test UPS every: None

Start Time of UPS Test (hh:mm):

UPS Test Type: 10-Second Test

Warning Threshold Value

Time out after loss of connection: 30 seconds

Critical Load (%): 80

Critical Temperature (°C): 70.0

Critical Capacity (%): 10

Apply Reset Help

- Warning Threshold Values

Time out after loss of connection :

Send warning alarm when NetAgent and UPS lost connection at this configured time

Critical Load(%) :

When loading reaches at this % configured, NetAgent will send warning alarm

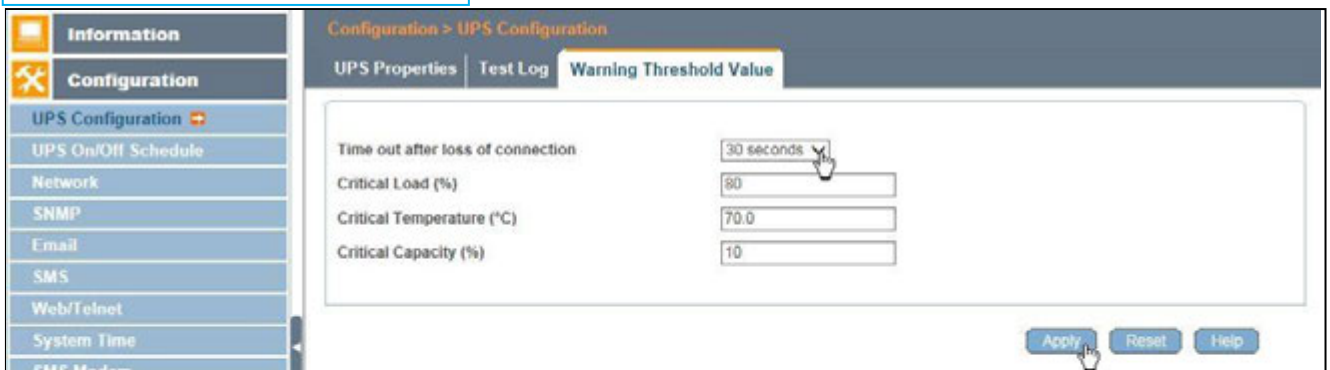
UPS Temperature (°C) :

When UPS temperature reaches at this degree configured, NetAgent will send warning alarm

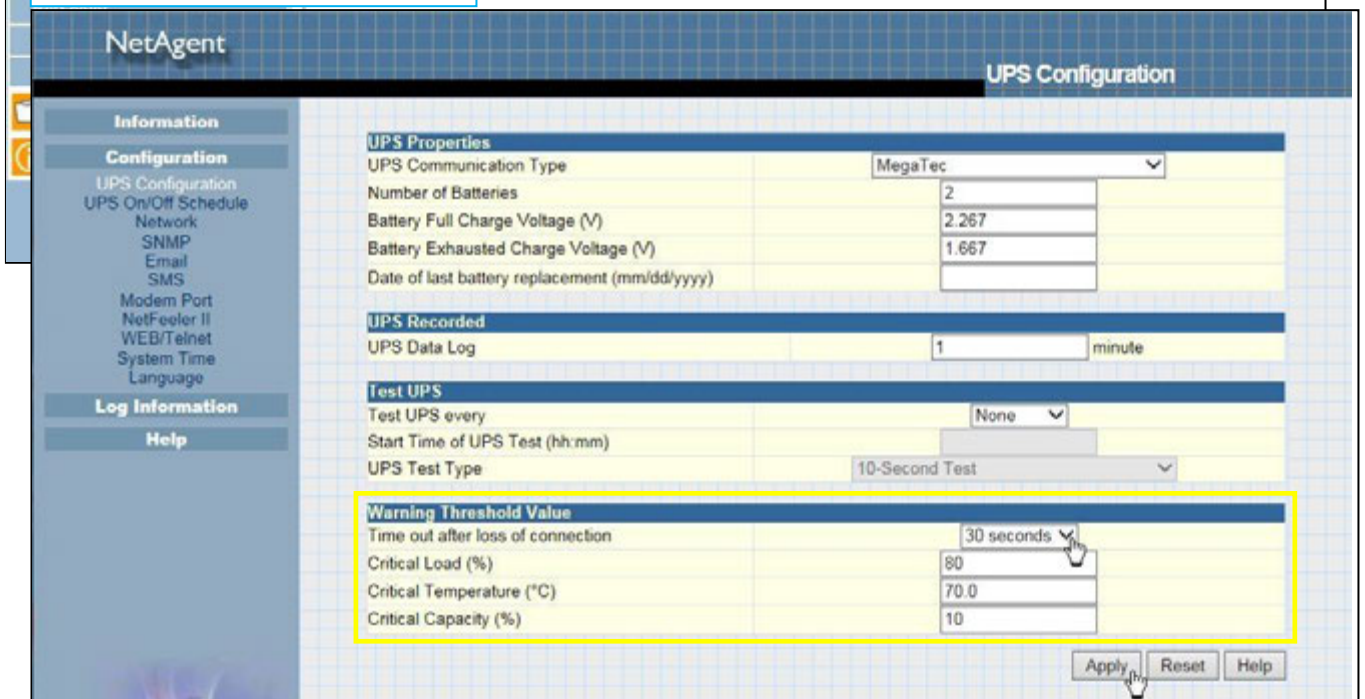
Critical Capacity (%) :

When UPS battery capacity reaches at this % configured, NetAgent will send warning alarm

NetAgent 9 Mini & NetAgent 9



NetAgent Mini & NetAgent II



■ **Configuration > UPS On/Off Schedule**

● **UPS Action**

When selected event happens at configured time range, UPS will be shut down

NetAgent 9 Mini & NetAgent 9

1. Time Range 2. Event 3. Time to turn off UPS 4. Add new event

| No. | During Time Interval(HH:MM) | Event | Delay Time (Min) | |
|-----|-----------------------------|-------------------------|------------------|----------|
| 1 | 00:00 - 23:59 | UPS Load Overrun | 10 | [Delete] |
| 2 | 00:00 - 23:59 | AC Power Failed | 8 | [Delete] |
| 3 | 00:00 - 23:59 | UPS Battery Low | 15 | [Delete] |
| 4 | 00:00 - 23:59 | UPS Temperature Overrun | 3 | [Delete] |

Event schedule list

NetAgent Mini & NetAgent II

UPS On/Off Schedule

| No. | During Time Interval(HH:MM) | Event | Delay Time (Min) | |
|-----|-----------------------------|-------------------------|------------------|----------|
| 1 | 00:00 - 23:59 | UPS Load Overrun | 10 | [Delete] |
| 2 | 00:00 - 23:59 | AC Power Failed | 8 | [Delete] |
| 3 | 00:00 - 23:59 | UPS Battery Low | 15 | [Delete] |
| 4 | 00:00 - 23:59 | UPS Temperature Overrun | 3 | [Delete] |

Event schedule list

- Weekly Schedule

This section is to set the time to turn on/off the UPS each day in the week.

NetAgent 9 Mini & NetAgent 9

The screenshot shows the 'Configuration > UPS On/Off Schedule' page for NetAgent 9. The 'Weekly Schedule' tab is active. The page features a table for setting turn on and off times for each day of the week. Below the table, there is a warning time dropdown menu set to '10 minutes' and three buttons: 'Apply', 'Reset', and 'Help'.

| Day | Turn On (hh:mm) | Turn Off (hh:mm) |
|-----------|-----------------|------------------|
| Sunday | 05:00 | 23:59 |
| Monday | 00:00 | 23:59 |
| Tuesday | 00:00 | 23:59 |
| Wednesday | 00:00 | 23:59 |
| Thursday | 00:00 | 23:59 |
| Friday | 00:00 | 23:59 |
| Saturday | 00:00 | 23:59 |

Warning will be initiated before Scheduled Shutdown Event

Buttons: Apply, Reset, Help

NetAgent Mini & NetAgent II

The screenshot shows the 'UPS On/Off Schedule' page for NetAgent Mini & NetAgent II. The 'Weekly Schedule' tab is active and highlighted with a yellow border. The page features a table for setting turn on and off times for each day of the week. Below the table, there is a warning time dropdown menu set to '10 minutes' and three buttons: 'Apply', 'Reset', and 'Help'.

| Day | Turn On (hh:mm) | Turn Off (hh:mm) |
|-----------|-----------------|------------------|
| Sunday | 05:00 | 23:59 |
| Monday | 00:00 | 23:59 |
| Tuesday | 00:00 | 23:59 |
| Wednesday | 00:00 | 23:59 |
| Thursday | 00:00 | 23:59 |
| Friday | 00:00 | 23:59 |
| Saturday | 00:00 | 23:59 |

Warning will be initiated before Scheduled Shutdown Event

Buttons: Apply, Reset, Help

- Date Schedule

This section is to set the time to turn on/off the UPS on particular days. (e.g, holidays.) The settings here override the settings in **Weekly Schedule**.

Warning will be initiated before Schedule shutdown event

NetAgent will send a warning message before a scheduled shutdown. This section sets the delay time period after the message is sent and before the scheduled shutdown is started.

NetAgent 9 Mini & NetAgent 9

The screenshot shows the configuration page for the Date Schedule. The left sidebar contains navigation menus for Information, Configuration, Log Information, and Help. The main content area is titled 'Configuration > UPS On/Off Schedule' and has tabs for 'UPS Action', 'Weekly Schedule', 'Date Schedule', and 'Wake On Lan'. The 'Date Schedule' tab is active, displaying a table with columns for Date (yyyy/mm/dd), Turn On (hh:mm), and Turn Off (hh:mm). Below the table, there is a dropdown menu for 'Warning will be initiated' set to '10 minutes' before Scheduled Shutdown Event. At the bottom right, there are 'Apply', 'Reset', and 'Help' buttons.

| Date (yyyy/mm/dd) | Turn On (hh:mm) | Turn Off (hh:mm) |
|-------------------|-----------------|------------------|
| 2017/05/06 | 05:00 | 23:00 |
| 2017/08/08 | 08:00 | 23:59 |
| 2017/09/12 | 09:00 | 17:00 |
| 2017/10/20 | 19:00 | 23:59 |
| 2017/10/22 | 04:00 | 18:00 |
| 2017/11/01 | 00:00 | 06:00 |
| 2017/12/31 | 00:00 | 07:00 |

NetAgent Mini & NetAgent II

The screenshot shows the configuration page for the Date Schedule in NetAgent Mini & NetAgent II. The interface has a blue header with 'NetAgent' and 'UPS On/Off Schedule'. The left sidebar includes 'Information', 'Configuration', 'Log Information', and 'Help'. The main content area has tabs for 'Date Schedule' and 'Wake On Lan'. The 'Date Schedule' tab is active, showing a table with columns for Date (yyyy/mm/dd), Turn On (hh:mm), and Turn Off (hh:mm). Below the table, there is a dropdown menu for 'Warning will be initiated' set to '10 minutes' before Scheduled Shutdown Event. At the bottom right, there are 'Apply', 'Reset', and 'Help' buttons.

| Date (yyyy/mm/dd) | Turn On (hh:mm) | Turn Off (hh:mm) |
|-------------------|-----------------|------------------|
| 2017/05/06 | 05:00 | 23:00 |
| 2017/08/08 | 08:00 | 23:59 |
| 2017/09/12 | 09:00 | 17:00 |
| 2017/10/20 | 19:00 | 23:59 |
| 2017/10/22 | 04:00 | 18:00 |
| 2017/11/01 | 00:00 | 06:00 |
| 2017/12/31 | 00:00 | 07:00 |

- Wake On Lan

This section is to wake the PC within the network when AC recovery, or, when battery capacity reaches at configured %. (Make sure the PC has such function supported and configure as "Enabled" under BIOS.) Enter the IP address of that PC and system would search its IP accordingly.

NetAgent 9 Mini & NetAgent 9

1. IP Address of the PC

3. MAC address will be automatically searched

4. 【Test】

2. Click 【Apply.】

Condition to wake UPS

| Host | IP | MAC | Test |
|-------|-------------|-------------------|------|
| Host1 | 192.168.1.5 | 00:18:F3:91:A3:C4 | Test |
| Host2 | 192.168.1.4 | 00:03:EA:08:2D:EF | Test |
| Host3 | IP: | MAC: | Test |
| Host4 | IP: | MAC: | Test |
| Host5 | IP: | MAC: | Test |
| Host6 | IP: | MAC: | Test |
| Host7 | IP: | MAC: | Test |
| Host8 | IP: | MAC: | Test |

Miscellaneous

Wake up remote host after power restore

Wait until battery capacity reaches to 30 %

Apply. Reset Help

NetAgent Mini & NetAgent II

NetAgent

UPS On/Off Schedule

Information

Configuration

UPS Configuration

UPS On/Off Schedule

Network

SNMP

Email

SMS

Modem Port

NetFeeler II

WEB/Telnet

System Time

Language

Log Information

Help

| Date (yyyy/mm/dd) | Turn On (hh:mm) | Turn Off (hh:mm) |
|-------------------|-----------------|------------------|
| 2017/05/06 | 05:00 | 23:00 |
| 2017/08/08 | 08:00 | 23:59 |
| 2017/09/12 | 09:00 | 17:00 |
| 2017/10/20 | 19:00 | 23:59 |
| 2017/10/22 | 04:00 | 18:00 |
| 2017/11/01 | 00:00 | 06:00 |
| 2017/12/31 | 00:00 | 07:00 |

Warning will be initiated 10 minutes before Scheduled Shutdown Event

Wake On Lan

| Host | IP | MAC | Test |
|-------|-------------|-------------------|------|
| Host1 | 192.168.1.5 | 00:18:F3:91:A3:C4 | Test |
| Host2 | 192.168.1.3 | 00:03:EA:14:B3:09 | Test |
| Host3 | IP: | MAC: | Test |
| Host4 | IP: | MAC: | Test |
| Host5 | IP: | MAC: | Test |
| Host6 | IP: | MAC: | Test |
| Host7 | IP: | MAC: | Test |
| Host8 | IP: | MAC: | Test |

Miscellaneous

Wake up remote host after power restore

Wait until battery capacity reaches to 30 %

Apply. Reset Help

■ Configuration > Network

This page is to set NetAgent Network settings.

● IPv4

NetAgent and DNS IP address can be obtain by drop down list with option of Manually , Using DHCP, or Bootp. If the IP address and DNS has been configured on Netility, then info will automatically show here

NetAgent 9 Mini & NetAgent 9

The screenshot shows the 'Configuration > Network' page for NetAgent 9 Mini & NetAgent 9. The left sidebar contains a navigation menu with 'Configuration' selected. The main content area is titled 'Configuration > Network' and has tabs for 'IPv4', 'IPv6', 'Ethernet', 'Dynamic DNS', and 'PPPoE'. The 'IPv4' tab is active. The 'IP Address' section shows fields for IP Address (192.168.1.100), Subnet Mask (255.255.255.0), and Gateway (192.168.1.1). The 'Obtain an IP address' dropdown is set to 'Manually'. A yellow arrow points from this dropdown to a callout box containing the text 'Manually Using DHCP Using Bootp'. The 'DNS Server IP' section shows fields for Primary DNS Server IP (168.95.1.1) and Secondary DNS Server IP (8.8.8.8). The 'Obtain DNS Server IP' dropdown is set to 'Manually'. A yellow arrow points from this dropdown to a callout box containing the text 'Manually Automatically'. At the bottom right, there are 'Apply', 'Reset', and 'Help' buttons. The 'Apply' button is highlighted with a yellow box.

NetAgent Mini & NetAgent II

The screenshot shows the 'NetAgent' 'Network' configuration page for NetAgent Mini & NetAgent II. The left sidebar contains a navigation menu with 'Configuration' selected. The main content area is titled 'NetAgent Network'. The 'IP Address' section shows fields for IP Address (192.168.1.100), Subnet Mask (255.255.255.0), and Gateway (192.168.1.1). The 'Obtain an IP address*' dropdown is set to 'Manually'. A yellow arrow points from this dropdown to a callout box containing the text 'Manually Using DHCP Using Bootp'. The 'DNS Server IP' section shows fields for Primary DNS Server IP (192.168.1.100) and Secondary DNS Server IP (8.8.8.8). The 'Obtain DNS Server IP' dropdown is set to 'Manually'. The 'Ethernet' section shows 'Connection Type*' set to 'Auto Sense' and 'Stop UPS communication when Ethernet disconnected' set to 'No'. A yellow box highlights the IP Address and DNS Server IP sections.

- IPv6

All NetAgent 9 series supports IPv6. IP address can be obtain from the drop down list with option of (Automatic/ Stateless DHCPV6/ DHCPV6/ Manual)

☀ Once click on Apply, NetAgent will reboot

NetAgent 9 Mini & NetAgent 9

Configuration > Network

IPv4 IPv6 Ethernet Dynamic DNS PPPoE

IP Address [2001:b011:200b:14f4:49ad:ddeb:7f2]

IPv6 Prefix 64

Gateway [fe80::16d6:4dff:fe33:e962]

Obtain an address * Automatic

Router Discovery Autorespond Yes

Maximum Number of IPv6 Prefix 8

Multicast Address [FF1E::1] : 5000

DNS Server IP

Primary DNS Server 2001:b000:168::1

Secondary DNS Server 2001:b000:168::1

* : System will reboot when these items have been Applied.

Apply Reset Help

Information > System Status

System Information Network Status

Ethernet

MAC Address 00:03:EA:14:B3:09

Connection Type 100Mbps Full-Duplex

General

Email Server

Time Server time.nist.gov

PPPoE IP

PPPoE IPv6

IPv4

IP Address 192.168.1.100

Subnet Mask 255.255.255.0

Gateway 192.168.1.1

Primary DNS Server 168.95.1.1

Secondary DNS Server 0.0.0.0

IPv6

IP Address 2001:b011:200b:14f4:203:eaff:fe14:b309f64
2001:b011:200b:14f4:49ad:ddeb:7f2e:6b5a64

LinkLocal Address fe80::203:eaff:fe14:b309f64

6to4 Address

Gateway fe80::16d6:4dff:fe33:e962

Primary DNS Server

Secondary DNS Server

Help

NetAgent IX

Information > Current Status

Input Status Output Status Battery Status

AC Status Normal

Latest Events

[05:25:37] Internal diagnostic self-test passed.

[05:25:13] Internal diagnostic self-test failed.

[05:24:28] Utility power has been restored.

- Ethernet

Connection Type

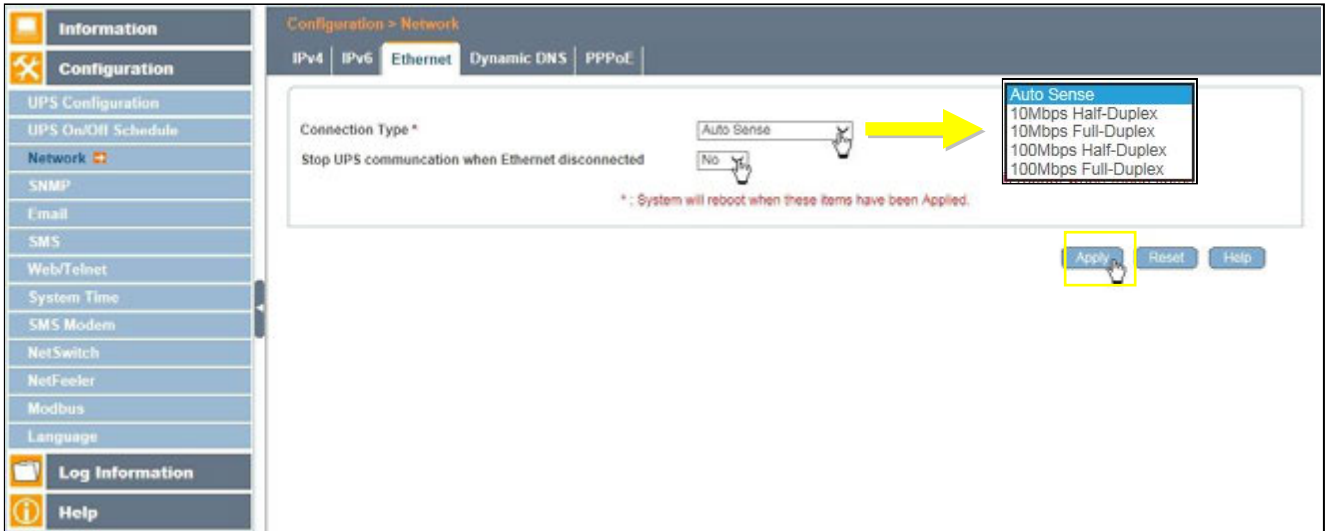
This section is to set communication speed between NetAgent and Network.

☛ Once click on Apply, NetAgent will reboot

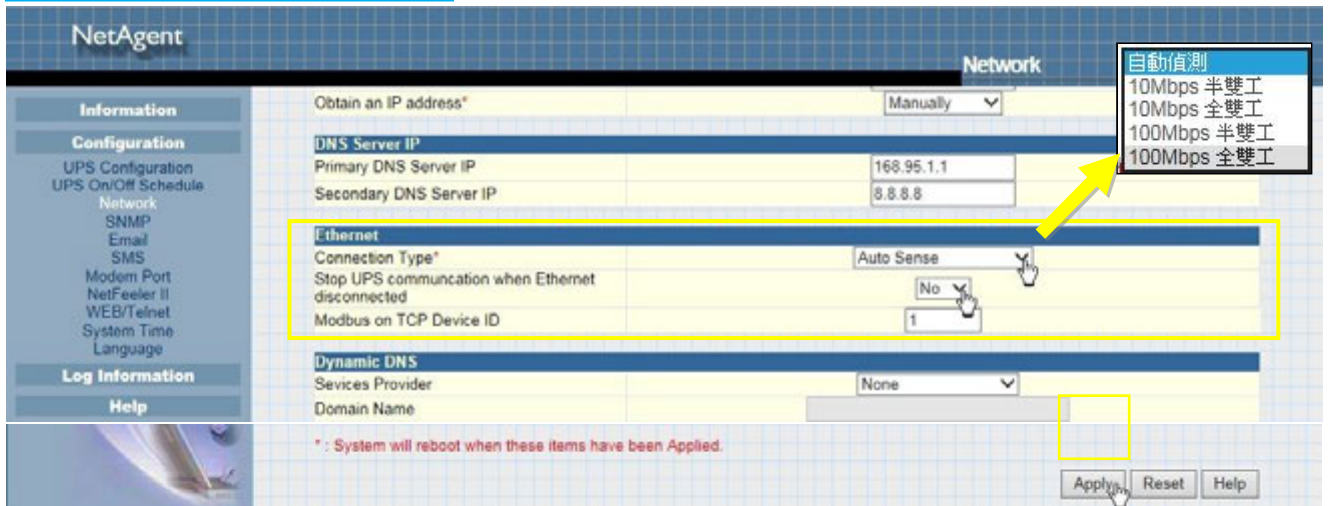
Stop UPS communication when Ethernet disconnected

This section is to set if to stop UPS communication when NetAgent disconnects with Ethernet

NetAgent 9 Mini & NetAgent 9



NetAgent Mini & NetAgent II



- Dynamic DNS

This is a free service that allows the user to alias a dynamic IP address to a static hostname. Ensure account/password has been registered from the DNS service provider

Service Provider

Dynamic DNS providers can be select from the list

Domain Name

This is the Domain Name you have created from the above selected DDNS provider

Login Name

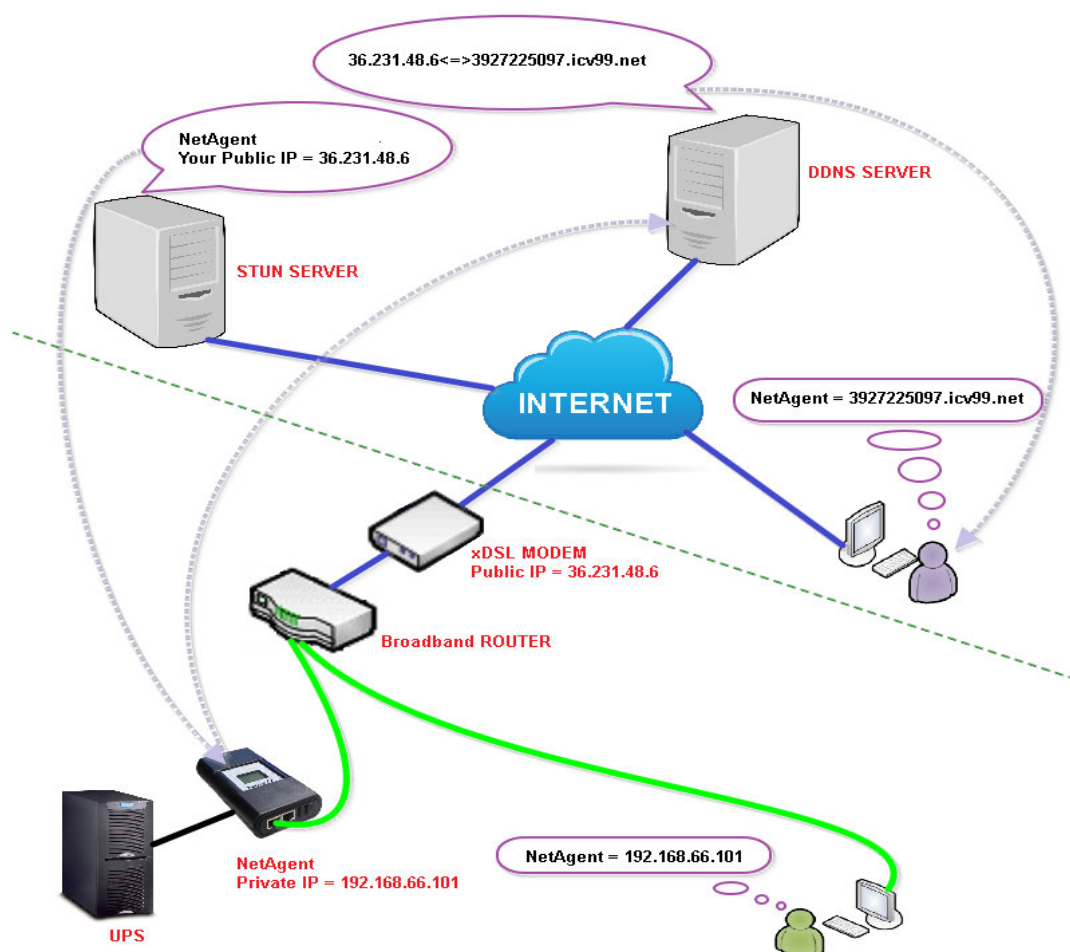
This is the Login / Account name that you have created with the selected DDNS provider.

Login Password:

Enter the Password you have assigned to your DDNS Account.

Use external STUN server to get Public IP to register

Choose **Yes** to ensure that NetAgent uses the WAN / Public IP to update the selected DDNS server



If to use icv99.net as Service Provide which host by Megatec, instruction asb elow:

1. Ensure NetAgent is able to connect to Internet. Select icv99.net from the drop down list of the Service Provider. The Domain Name and Login Name will automatically be fill-in with serial number of the device. Enter the password of the NetAgent which is printed on the NetAgent label, then click Apply.

NetAgent 9 Mini & NetAgent 9

4.Registration complete

1.Select icv99.net

2. Enter password

3. Click Apply

Service Provider: icv99.net
 Domain Name: 3927225097 icv99.net
 Login Name: 3927225097
 Login Password: [masked]
 Use external STUN server to get Public IP to register: No
 Primary STUN Server IP: 211.21.67.53
 Secondary STUN Server IP: [empty]

None
 3322.org
 dhs.org
 DynDNS(Dynamic)
 DynDNS(Custom)
 myddns.com
 zive.org
 freedns.org
 icv99.net

Apply Reset Help

NetAgent Mini & NetAgent II

1.Select icv99.net

2.Enter Password

3. Click Apply

IP Address: 192.168.66.103
 Subnet Mask: 255.255.255.0
 Gateway: 192.168.66.1
 Obtain an IP address*: Using DHCP

DNS Server IP
 Primary DNS Server IP: 192.168.66.1
 Secondary DNS Server IP: [empty]

Ethernet
 Connection Type*: Auto Sense
 Stop UPS communication when Ethernet disconnected: No
 Modbus on TCP Device ID: 1

Dynamic DNS
 Services Provider: icv99.net
 Domain Name: 3926404591 icv99.net
 Login Name: 3926404591
 Login Password: [masked]
 Use external STUN server to get Public IP to register: Yes
 Primary STUN Server IP: 211.21.67.53
 Secondary STUN Server IP: [empty]

None
 3322.org
 dhs.org
 DynDNS(Dynamic)
 DynDNS(Custom)
 myddns.com
 zive.org
 icv99.net

Apply Reset Help

*: System will reboot when these items have been Applied.

- If using router, please login to router and direct IP and port number under virtual server for port forwarding. Kindly refer to router's manual

Router Configuration

VIRTUAL SERVER

The Virtual Server option allows you to define a single public port on your router for redirection to an internal LAN IP Address and Private LAN port if required. This feature is useful for hosting online services such as FTP or Web Servers.

Save Settings Don't Save Settings

24 -- VIRTUAL SERVERS LIST

| Name | Application Name | Public Port | Protocol | Schedule |
|---|---------------------|--------------|----------|----------------|
| <input checked="" type="checkbox"/> BY506 | << Application Name | 80 | TCP | Always |
| IP Address | Computer Name | Private Port | | Inbound Filter |
| 192.168.66.101 | << Computer Name | 80 | 6 | Allow All |

- After 20 minutes, NetAgent should be login with its DDNS Domain name

NetAgent 9 Mini & NetAgent 9

NetAgent IX

Information > Current Status

| Input Status | Output Status | Battery Status |
|-------------------------|---------------|----------------|
| AC Status | | Normal |
| Input Line Voltage | | 220.1 V |
| Input Max. Line Voltage | | 220.1 V |
| Input Min. Line Voltage | | 220.1 V |
| Input Frequency | | 50.0 Hz |

NetAgent Mini & NetAgent II

NetAgent

Current Status

Refresh status every 10 seconds

UPS Status: UPS Normal

| Input Status | Output Status | Battery Status |
|----------------------------------|---------------|---------------------|
| AC Status | | Normal |
| Input Line Voltage | | 220.1 V |
| Input Max. Line Voltage | | 220.1 V |
| Input Min. Line Voltage | | 220.1 V |
| Input Frequency | | 50.0 Hz |
| Output Voltage | | 220.1 V |
| Output Status | | Online |
| UPS load | | 10 % |
| Temperature | | 30.1 °C (86.1 °F) |
| Battery Status | | Battery Normal |
| Battery Capacity | | 100 % |
| Battery Voltage | | 325.2 V |
| Time on Battery | | 00:00:00 |
| Estimated Battery Remaining Time | | 00:00:00 |
| UPS Last Self Test | | -- |
| UPS Next Self Test | | -- |

- To change domain name or password, please go to www.icv99.net



Dynamic Domain Name Server (DDNS) Logout

Step1 : Registration Step2 : Set Domain Name and Click Done

| | |
|-----------------------|----------------------|
| Product Serial number | 3927225097 |
| Register IP | 127.0.0.1 |
| Default Domain Name | 3927225097.icv99.net |

| | | |
|---------------------|---|--------------------|
| Set New Domain Name | bty505 .icv99.net | New Domain name |
| | Must be 4 to 31 letters or digits. | |
| Domain Password | •••• | Enter new password |
| Re-enter Password | •••• | |
| | * Blank = Use existing password Required, if a new domain name is assigned. Must be 4 to 10 characters (0-9, a-z, A-Z only). | |
| E-mail address | ttc@gmail.com | Enter email |
| | Required field. Used to retrieve Lost/Forget password. | |
| | | Done |
| | | Click on Done |

- PPPoE

Use this option to allow NetAgent to connect to the Internet directly using your xDSL modem by PPPoE. Enter the Login name and password to enable the connection. Once set-up, NetAgent will connect directly to the Internet, any abnormal connection failure would also cause to re-dial



NetAgent 9 Mini & NetAgent 9

NetAgent Mini & NetAgent II

■ **Configuration > Wireless**

This is to configure Wireless network with USB wireless dongle. This feature only apply to NetAgent 9 model of BX and BY series. (USB wireless dongle is optional)
 NetAgent 9 BX/BY models supports wireless encryption of Open system; Shared Key; WEP(64 /128 bit) / WPA / WPA2(TKIP/AES)

- Connect the compatible USB wireless dongle to BX/BY NetAgent



- Click on **【 Scan 】** to search for all the available AP. Select the AP, then enter its SSID, Authentication, WPA Encryption, WPA Key , then click on Apply

NetAgent 9 Mini & NetAgent 9

Configuration > Wireless

| SSID | MAC Address | Network Security | Auth(Enc) | Signal(%) |
|--|-------------------|------------------|------------------|-----------|
| <input type="radio"/> Megatec_Radius1 | 00:90:cc:14:98:98 | Secure Network | WPA(2) (AES) | |
| <input type="radio"/> DASAN_GONT | 00:d0:cb:ef:06:22 | Secure Network | WPA2-PSK (AES) | |
| <input checked="" type="radio"/> T1_WiFi | 14:d6:4d:33:e9:62 | Secure Network | WPA2-PSK (TKIP) | |

1. Scan

2. Select AP

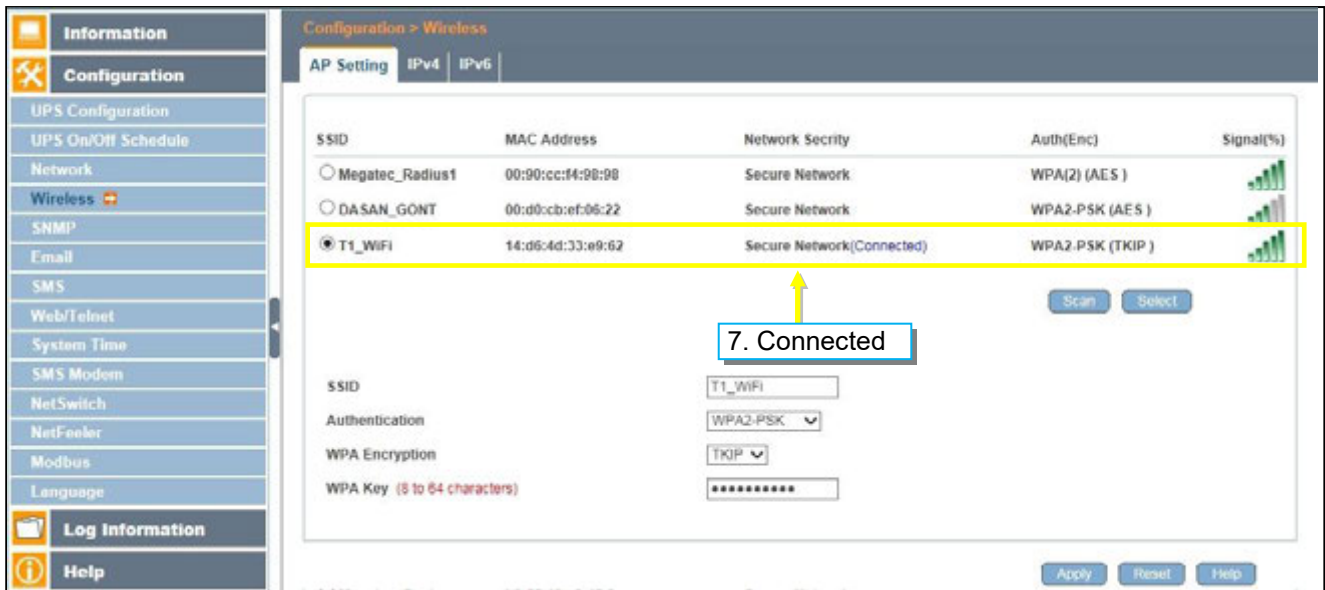
3. Select Authentication

4. Select WPA

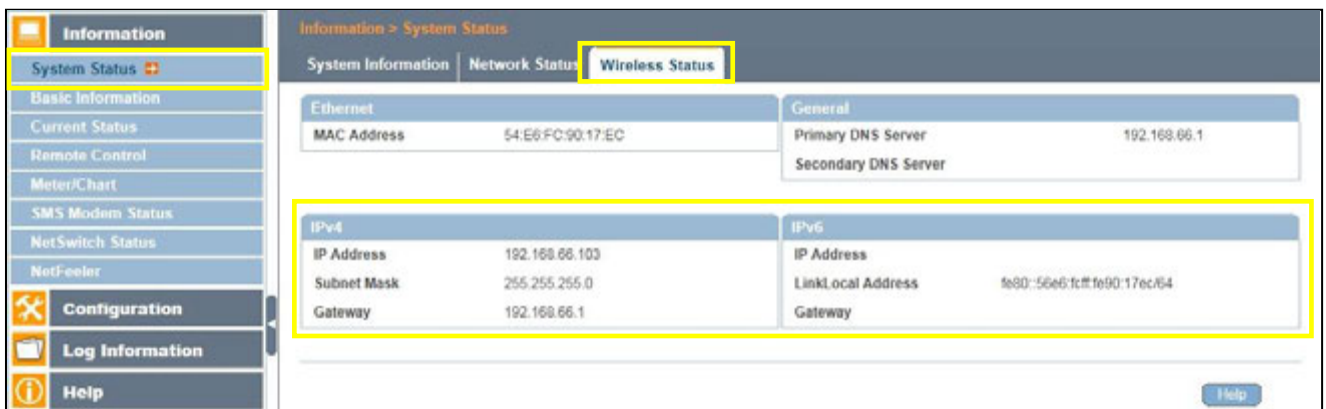
5. Enter WPA Key

6. Apply

Open System
 Shared Keys
 WPA-PSK
 WPA2-PSK
 TKIP
 AES



Connection Information can be check from **【Information】 > 【System Status】 > 【Wireless Status】**

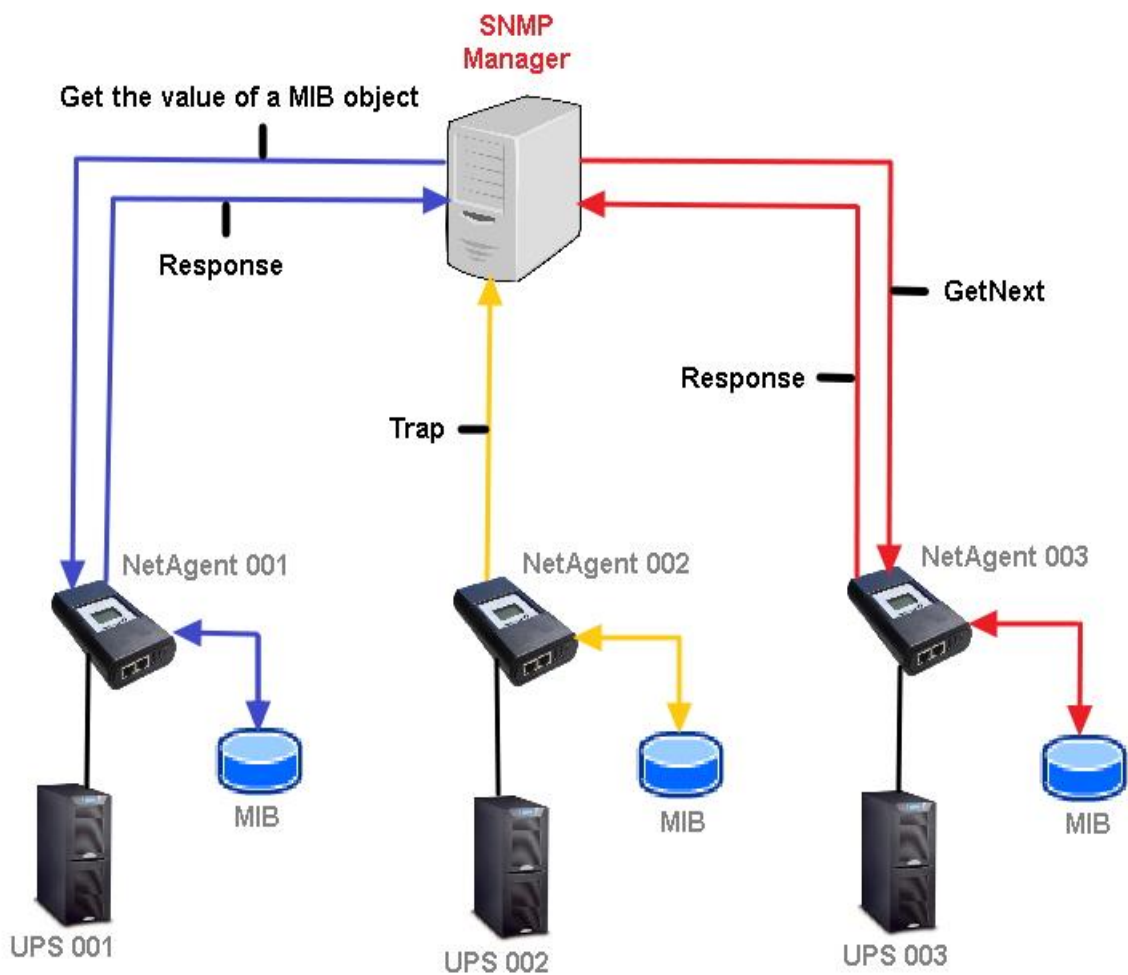


■ Configuration > SNMP

This page is to set NetAgent SNMP settings so it can be used by a NMS (Network Management System).

SNMP version

| | SNMP V1 | SNMP V2 | SNMP V3 |
|----------------|---------|---------|---------|
| SNMP card Mini | ✓ | ✓ | ✓ |
| SNMP card Mini | ✓ | ✓ | |



- General

MIB System

System Name

This section is to give a name to the NetAgent.

System Contact

This section is to give a name to the administrator.

System Location

This section is to set NetAgent location.

SNMP UDP Port

NetAgent SNMP Port :

The port that NetAgent receive and send SNMP command. (Default is 161)

Trap Receive Port :

The port to receive trap. (Default is 162)

SNMPv3 Engine ID

SNMPv3 Engine ID Format Type :

When using SNMPv3, NetAgent requires to have its Engine ID for identification to generates authentication and encryption key . Format type can be select from the drop down list with option of MAC Address / IPv4 / IPv6 / Manual

✳️ Once click on Apply, NetAgent will reboot

SNMPv3 Engine ID Text :

SNMPv3 Engine ID content

NetAgent 9 Mini & NetAgent 9

The screenshot displays the configuration page for NetAgent 9, specifically the SNMP settings. The interface is divided into a left sidebar with navigation options and a main configuration area. The main area is titled 'Configuration > SNMP' and has tabs for 'General', 'Access Control', 'Trap Notification', and 'Device Connected'. The 'General' tab is active, showing the following fields:

- MIB System:**
 - System Name: UPS Agent
 - System Contact: Administrator
 - System Location: My Office
- SNMP UDP Port:**
 - NetAgent SNMP Port: 161
 - Trap Receive Port: 162
- SNMPv3 Engine ID:**
 - SNMPv3 Engine ID Format Type*: MAC Address (selected from a dropdown)
 - SNMPv3 Engine ID Text: 80003461030003ea14b309

At the bottom of the configuration area, there is a red asterisk warning: '* : System will reboot when these items have been Applied.' Below this, there are three buttons: 'Apply', 'Reset', and 'Help'.

NetAgent Mini & NetAgent II

- Access Control

Manager IP Address :

This is to set the IP address that the administrator can manage NetAgent from. It is valid for up to 8 IP addresses. To manage NetAgent from any IP address, enter *.*.*.* into **Manager IP address**.

Version:

This is to select between SNMPv1& SNMPv2 or SNMPv3. When select All and V3, user name, password, authentication and privacy are required

Community :

This section is to set a Community name for NMS. The community name has to be as the same as the setting in NMS. (Default is public)

Permission :

This is to set authorities of administrators. Options are Read, Read/Write, and No Access.

Description :

This is to make note for administrator's reference

NetAgent 9 Mini & NetAgent 9

NetAgent SNMP

MIB System

System Name: UPS Agent System Contact: Administrator System Location: My Office

| Manager IP Address | Community | Permission | Description |
|--------------------|-----------|------------|-------------|
| 192.168.66.2 | public | Read/Write | 2F |
| 192.168.66.88 | public | Read/Write | |
| 192.168.66.86 | public | Read/Write | |
| 192.168.66.105 | public | Read/Write | |
| 192.168.66.128 | public | Read/Write | 6F |
| 192.168.66.147 | public | Read/Write | |
| 192.168.66.211 | public | Read/Write | |
| **** | public | Read | |

Buttons: Apply, Reset, Help

- Trap Notification

Trap Notification

Destination IP Address :

To set receivers IP address for receiving traps sent by NetAgent. It is valid for up to 8 IP Addresses.

Accept :

Select the trap type of its SNMP version or Inform from drop down list. When SNMPv3 trap or SNMPv3 Inform is selected, username/password and authentication information are required.

Community :

Trap receiver and NetAgent must be same community. (Default is public)

Trap Type :

Select from PPC MIB or RFC1628 MIB (Default is PPC)

●MIB file is available in the CD provided with NetAgent

Severity :

This section is to set Trap level for each receiver. There are three levels as below

- Information: To receive all traps.
- Warning: To receive only “warning” and “severe” traps.
- Severe: To receive only “severe” traps.
(Please refer to NMS manual for Trap levels.)

Description :

This is to make note for administrator’s reference

Events :

This is to select events for NetAgent to send traps. Click on Select to show the full Events List. Click on Test to send test trap to ensure all setting is correct

Send Power Restore and Adaptor Restore Traps for X time(s) in X second(s) Interval.

This is to set number of trap to send in preset second when power restore on NetAgent. This is to check if the communication between trap receiver and NetAgent remains well or not after power recovers

SNMP Inform Request

This is to set the number of times that the NetAgent can request a response from the sending Inform host with a preset value . (Default is 3 times and an interval of 5 seconds)

The screenshot shows the 'Configuration > SNMP' interface. The 'Trap Notification' tab is active, displaying a table of trap configurations. The table has columns for Destination IP, Accept, Community, Trap Type, Severity, Description, and Events. Below the table, there are input fields for 'Send Power Restore and Adapter Restore Traps for [2] time(s) in [5] second(s) interval.' and an 'SNMP Inform Request' section with 'Number of Retries' set to 3 and 'Timeout (sec)' set to 5. Callouts point to the 'Trap Type' dropdown (PPC), the 'Severity' dropdown (Information, Warning, Severe), and the 'SNMP Inform Request' section.

| Destination IP | Accept | Community | Trap Type | Severity | Description | Events |
|----------------|---------------|-----------|-----------|-------------|-------------|-------------|
| 192.168.66.12 | SNMPv3 Trap | public | PPC | Information | 7F IDC | Select Test |
| 192.168.66.28 | SNMPv1 Trap | public | PPC | Information | 8F IDC | Select Test |
| 192.168.66.45 | SNMPv2 Trap | public | PPC | Warning | 9F IDC | Select Test |
| 192.168.66.67 | SNMPv2 Inform | public | PPC | Severe | 8F IDC | Select Test |
| 192.168.66.70 | SNMPv2 Trap | public | PPC | Warning | 9F IDC | Select Test |
| 192.168.66.101 | SNMPv2 Inform | public | PPC | Severe | 10F IDC | Select Test |
| 192.168.66.211 | SNMPv2 Trap | public | PPC | Warning | 11F IDC | Select Test |
| 192.168.66.234 | SNMPv3 Inform | public | PPC | Information | 12F IDC | Select Test |

The screenshot shows the 'SNMPv3 Trap Settings' dialog box. It has fields for 'User Name' (admin102), 'Authentication Protocol' (MD5), 'Authentication Password', 'Privacy Protocol' (DES), and 'Privacy Password'. Callouts point to the 'Authentication Protocol' dropdown (MD5) and the 'Privacy Protocol' dropdown (DES).

The screenshot shows the 'Select Event' dialog box. It has a 'Select Event' dropdown (UPS Events) and a list of events with 'YES' and 'NO' columns. Callouts point to the 'Select Event' dropdown (UPS Events) and the 'Apply' button.

| Event | YES | NO |
|----------------------------|----------------------------------|-----------------------|
| UPS Failure | <input checked="" type="radio"/> | <input type="radio"/> |
| UPS entering Test mode | <input checked="" type="radio"/> | <input type="radio"/> |
| UPS entering Sleeping mode | <input checked="" type="radio"/> | <input type="radio"/> |
| UPS entering Boost mode | <input checked="" type="radio"/> | <input type="radio"/> |
| UPS Load Overrun | <input checked="" type="radio"/> | <input type="radio"/> |
| UPS Communication Loss | <input checked="" type="radio"/> | <input type="radio"/> |
| Turn Off UPS | <input checked="" type="radio"/> | <input type="radio"/> |
| AC Power Failed | <input checked="" type="radio"/> | <input type="radio"/> |
| UPS Battery Low | <input checked="" type="radio"/> | <input type="radio"/> |
| UPS Temperature Overrun | <input checked="" type="radio"/> | <input type="radio"/> |
| UPS Capacity Underrun | <input checked="" type="radio"/> | <input type="radio"/> |
| UPS entering Bypass mode | <input checked="" type="radio"/> | <input type="radio"/> |

NetAgent Mini & NetAgent II

PPC RFC1628

Information Warning Severe

No SNMPv1 Trap
SNMPv2 Trap
SNMPv2 Inform

| Destination IP Address | Community | Trap Type | Security | Accept | Description | Events |
|------------------------|-----------|-----------|-------------|---------------|-------------|-------------|
| 192.168.66.12 | public | PPC | Information | SNMPv1 Trap | 5F IDC | Select Test |
| 192.168.66.28 | public | RFC1628 | Warning | SNMPv2 Trap | 6F IDC | Select Test |
| 192.168.66.45 | public | PPC | Severe | SNMPv2 Inform | 7F IDC | Select Test |
| 192.168.66.67 | public | PPC | Information | SNMPv1 Trap | 8 IDC | Select Test |
| 192.168.66.70 | public | PPC | Warning | SNMPv2 Trap | 9 IDC | Select Test |
| 192.168.66.33 | public | PPC | Severe | SNMPv2 Inform | 10 IDC | Select Test |
| 192.168.66.90 | public | PPC | Information | SNMPv2 Trap | 11 IDC | Select Test |
| 192.168.66.17 | public | PPC | Information | SNMPv2 Inform | 12 IDC | Select Test |

Send Power Restore and Adapter Restore Traps for 2 time(s) in 5 second(s) interval.

SNMP Inform Request

Number of Retries: 3 Timeout (sec): 5

| Device | Rating (%) | Connected |
|--------|------------|-----------|
| | 0 | NO |
| | 0 | NO |
| | 0 | NO |
| | 0 | NO |

SNMP UDP Port: NetAgent SNMP Port Trap Receive Port

* : System will reboot when this item has been Applied.

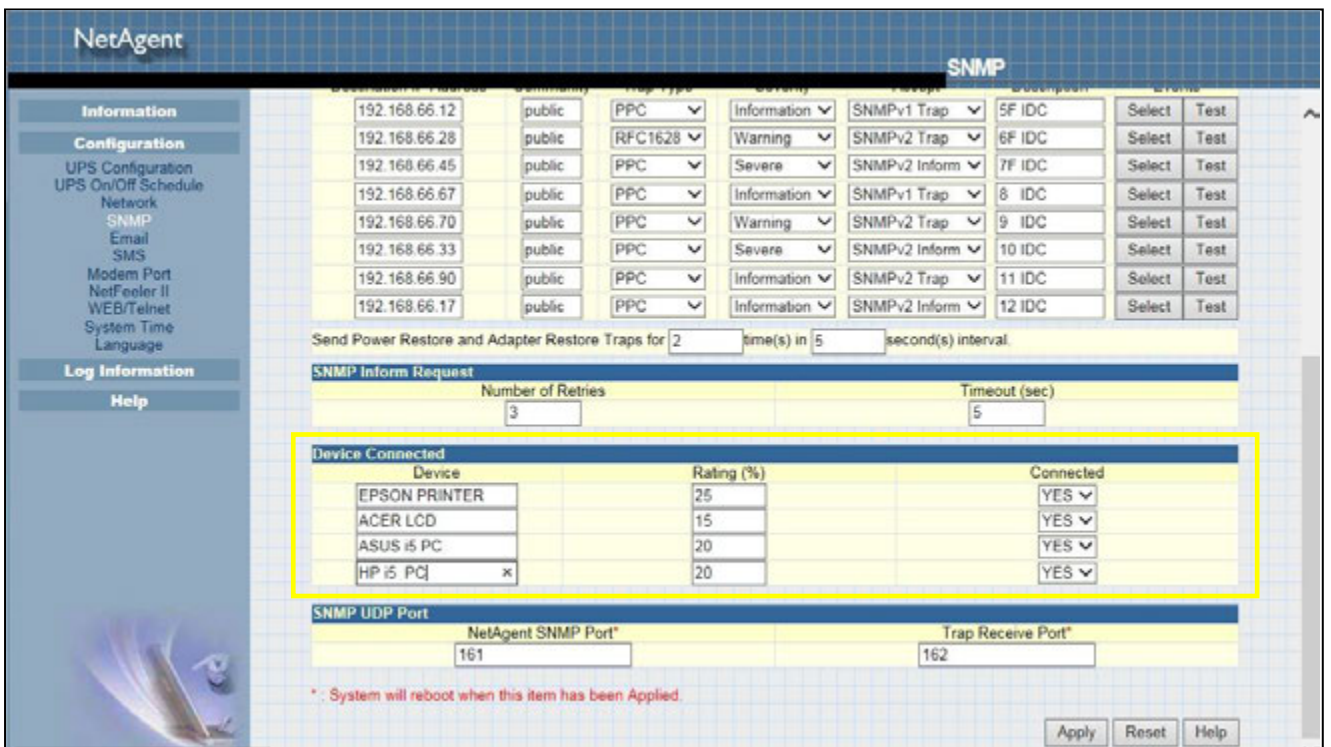
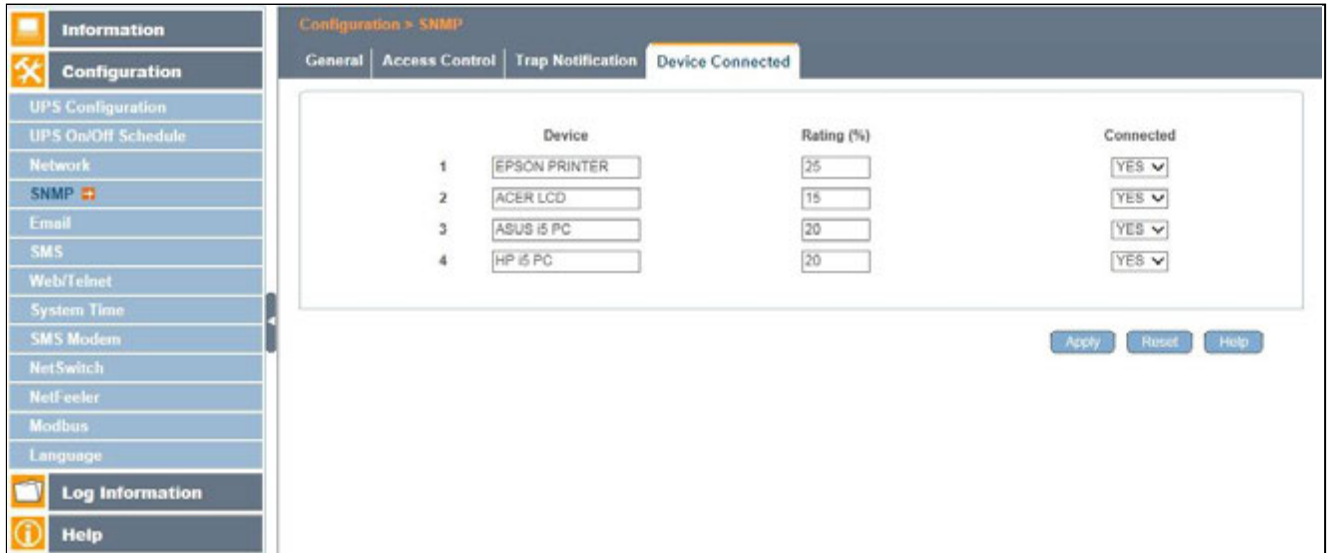
Apply Reset Help

| UPS Events | Yes | No |
|------------------------------------|----------------------------------|-----------------------|
| Schedule Shutdown Event | <input checked="" type="radio"/> | <input type="radio"/> |
| UPS Failure | <input checked="" type="radio"/> | <input type="radio"/> |
| UPS entering Test mode | <input checked="" type="radio"/> | <input type="radio"/> |
| UPS entering Sleeping mode | <input checked="" type="radio"/> | <input type="radio"/> |
| UPS entering Boost mode | <input checked="" type="radio"/> | <input type="radio"/> |
| UPS Load Overrun | <input checked="" type="radio"/> | <input type="radio"/> |
| UPS Communication Lost | <input checked="" type="radio"/> | <input type="radio"/> |
| Turn Off UPS | <input checked="" type="radio"/> | <input type="radio"/> |
| AC Power Failed | <input checked="" type="radio"/> | <input type="radio"/> |
| UPS Battery Low | <input checked="" type="radio"/> | <input type="radio"/> |
| UPS Temperature Overrun | <input checked="" type="radio"/> | <input type="radio"/> |
| UPS Capacity Underrun | <input checked="" type="radio"/> | <input type="radio"/> |
| UPS entering Bypass mode | <input checked="" type="radio"/> | <input type="radio"/> |
| NetFeeler II | Yes | No |
| Smoke Alarm | <input checked="" type="radio"/> | <input type="radio"/> |
| Water Alarm | <input checked="" type="radio"/> | <input type="radio"/> |
| Gas Alarm | <input checked="" type="radio"/> | <input type="radio"/> |
| Security Alarm | <input checked="" type="radio"/> | <input type="radio"/> |
| Environmental Temperature Overrun | <input checked="" type="radio"/> | <input type="radio"/> |
| Environmental Temperature Underrun | <input checked="" type="radio"/> | <input type="radio"/> |
| Environmental Humidity Overrun | <input checked="" type="radio"/> | <input type="radio"/> |
| Environmental Humidity Underrun | <input checked="" type="radio"/> | <input type="radio"/> |

Select All Clear All Apply

- Device Connected

This section is to set the usage power and connection status of other devices which connects to the same UPS as NetAgent uses.



■ **Configuration > Email**

To send email notification when event occurs or data log

● Email Setting

Email Server:

Enter the address of email server

Email Port:

Email Port that use for sending email

Enable SSL on Email Transmission:

Select SSL type for email transmission

Type of encryption that NetAgent model supports

| | SSL | TLS | STARTTLS |
|----------------|-----|-----|----------|
| SNMP CARD Mini | ✓ | ✓ | ✓ |

Sender's Email Address :

To enter the email address that for sending email

Email Server Requires Authentication :

If such email server requires authentication or not

Account name :

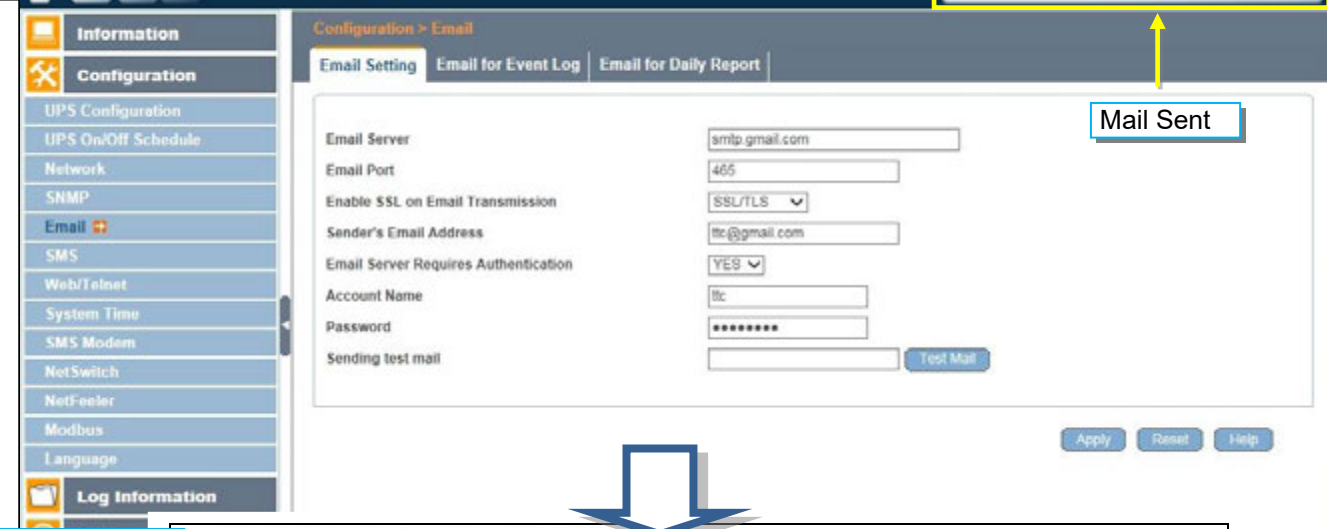
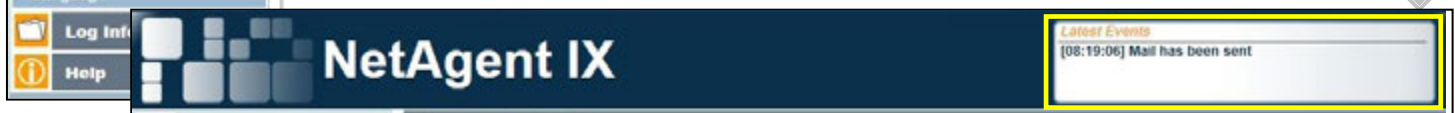
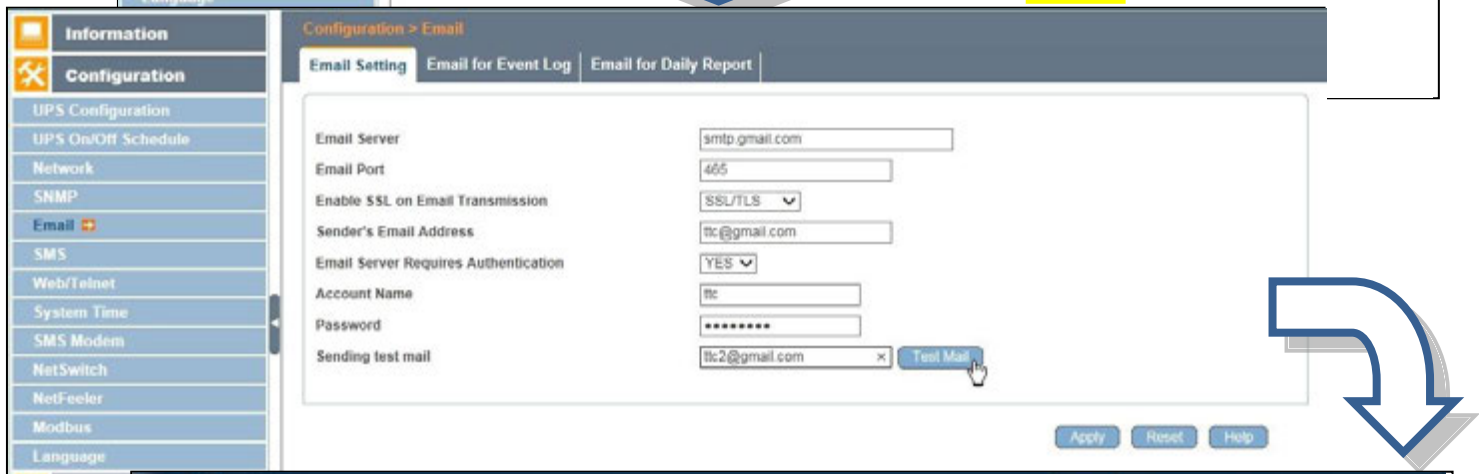
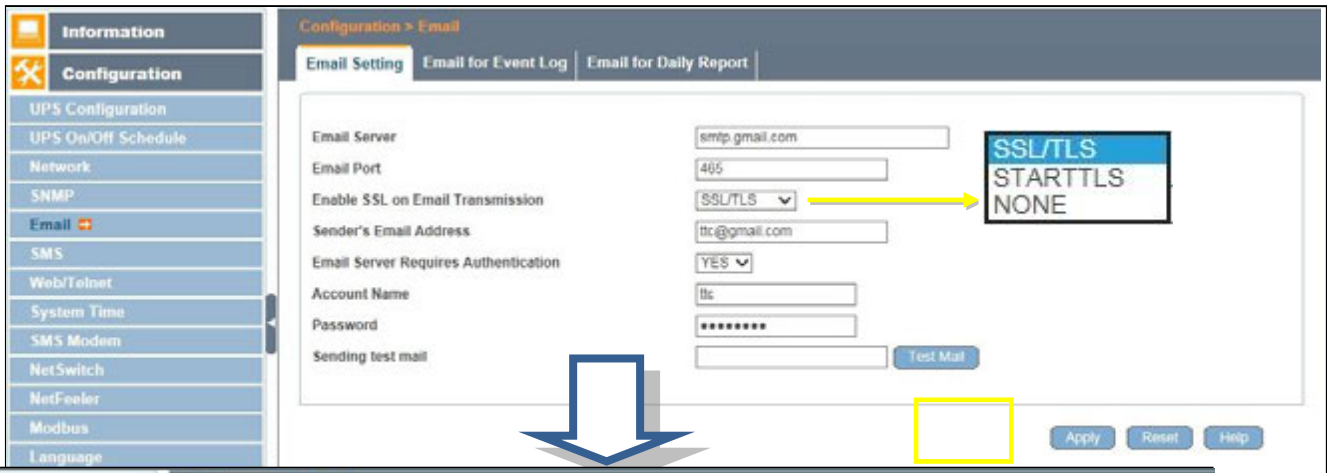
If authentication is required, enter its account name

Password :

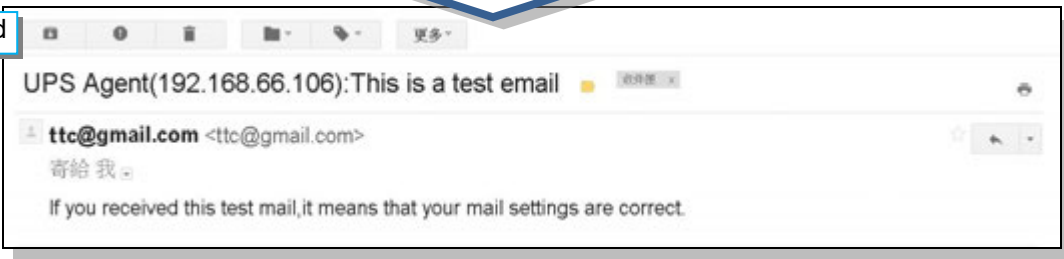
If authentication is required, enter its password

Sending Test Mail :

Enter email address to check all configuration is correct or not to receiving mail



Test Email Received



1. Enter Mail Server

NetAgent

Information

Configuration

- UPS Configuration
- UPS On/Off Schedule
- Network
- SNMP
- Email
- SMS
- Modem Port
- NetFeeler II
- WEB/Telnet
- System Time
- Language

Log Information

Help

Email

Email Setting

| | |
|--------------------------------------|-------------------|
| Email Server | msa.hinet.net |
| Email Port | 25 |
| Enable SSL on Email Transmission | None |
| Sender's Email Address | ttc@msa.hinet.net |
| Email Server Requires Authentication | YES |
| Account Name | ttc |
| Password | ***** |
| Recipient's Email Address | ttc2@gmail.com |

Recipient's Email Address (for Event Log)

Send Email When Event Occurs NO

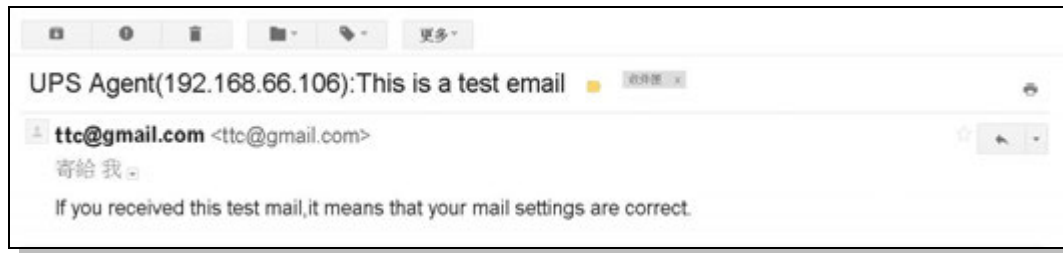
Events

Apply Reset Help

3. Test Mail

2. Click on Apply

Test Email Received



- Email for Event Log (To receive email notification)

To set email addresses to receive warning email sent by NetAgent when selected event occurs. It is valid for up to 8 Email addresses.

Configuration > Email

Email Setting | **Email for Event Log** | Email for Daily Report

Send Email When Event Occurs: YES

| | | |
|----------|------------------------|--------|
| Account1 | afra@gmail.com.tw | Select |
| Account2 | dawn@yahoo.com.tw | Select |
| Account3 | eli@zoho.com | Select |
| Account4 | hugo@gmail.com | Select |
| Account5 | toby@gmail.com | Select |
| Account6 | novia@supa.com | Select |
| Account7 | ira@gmail.com | Select |
| Account8 | elma.len@msa.hinet.net | Select |

Buttons: Apply, Reset, Help

Select Event (UPS Events)

| UPS Events | YES | NO |
|----------------------------|----------------------------------|-----------------------|
| Schedule Shutdown Event | <input checked="" type="radio"/> | <input type="radio"/> |
| UPS Failure | <input checked="" type="radio"/> | <input type="radio"/> |
| UPS entering Test mode | <input checked="" type="radio"/> | <input type="radio"/> |
| UPS entering Sleeping mode | <input checked="" type="radio"/> | <input type="radio"/> |
| UPS entering Boost mode | <input checked="" type="radio"/> | <input type="radio"/> |
| UPS Load Overrun | <input checked="" type="radio"/> | <input type="radio"/> |
| UPS Communication Lost | <input checked="" type="radio"/> | <input type="radio"/> |
| Turn Off UPS | <input checked="" type="radio"/> | <input type="radio"/> |
| AC Power Failed | <input checked="" type="radio"/> | <input type="radio"/> |
| UPS Battery Low | <input checked="" type="radio"/> | <input type="radio"/> |
| UPS Temperature Overrun | <input checked="" type="radio"/> | <input type="radio"/> |
| UPS Capacity Underrun | <input checked="" type="radio"/> | <input type="radio"/> |
| UPS entering Bypass mode | <input checked="" type="radio"/> | <input type="radio"/> |

Buttons: Select All, Clear All, Apply

Select Event (NetFeeler II)

| NetFeeler II | Yes | No |
|------------------------------------|----------------------------------|-----------------------|
| Smoke Alarm | <input checked="" type="radio"/> | <input type="radio"/> |
| Water Alarm | <input checked="" type="radio"/> | <input type="radio"/> |
| Gas Alarm | <input checked="" type="radio"/> | <input type="radio"/> |
| Security Alarm | <input checked="" type="radio"/> | <input type="radio"/> |
| Environmental Temperature Overrun | <input checked="" type="radio"/> | <input type="radio"/> |
| Environmental Temperature Underrun | <input checked="" type="radio"/> | <input type="radio"/> |
| Environmental Humidity Overrun | <input checked="" type="radio"/> | <input type="radio"/> |
| Environmental Humidity Underrun | <input checked="" type="radio"/> | <input type="radio"/> |

Buttons: Select All, Clear All, Apply

NetAgent

Configuration

UPS Configuration
UPS On/Off Schedule
Network
SNMP
Email
SMS
Modem Port
NetFeeler II
WEB/Telnet
System Time
Language

Log Information

Help

Email

Sender's Email Address: tt@gmail.com.tw

Email Server Requires Authentication: YES

Account Name: ttc

Password: *****

Recipient's Email Address: [Empty]

Test Mail

Recipient's Email Address (for Event Log)

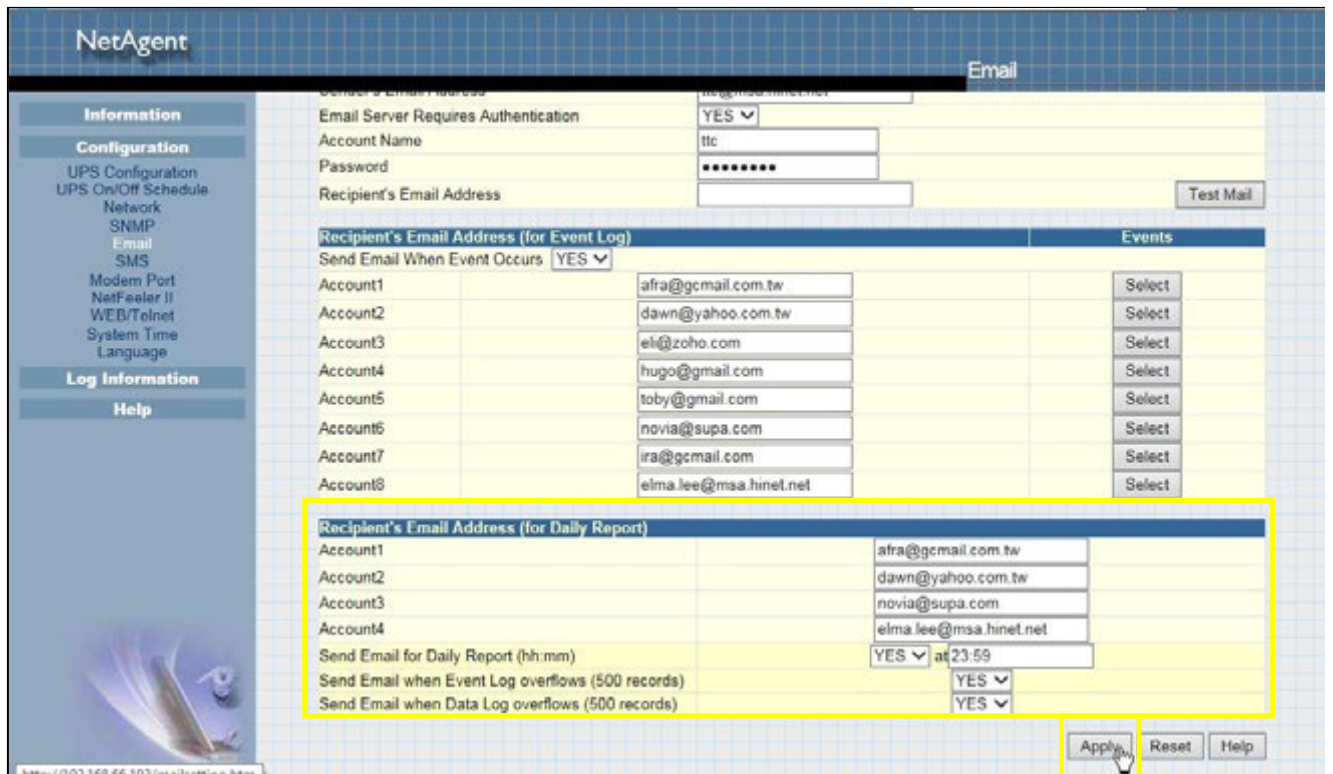
| Account | Recipient's Email Address | Events |
|----------|---------------------------|--------|
| Account1 | afra@gmail.com.tw | Select |
| Account2 | dawn@yahoo.com.tw | Select |
| Account3 | eli@zoho.com | Select |
| Account4 | hugo@gmail.com | Select |
| Account5 | toby@gmail.com | Select |
| Account6 | novia@supa.com | Select |
| Account7 | ira@gmail.com | Select |
| Account8 | elma.len@msa.hinet.net | Select |

Buttons: 套用, 清除, 幫助

- Email for Daily Report (To receive daily report)

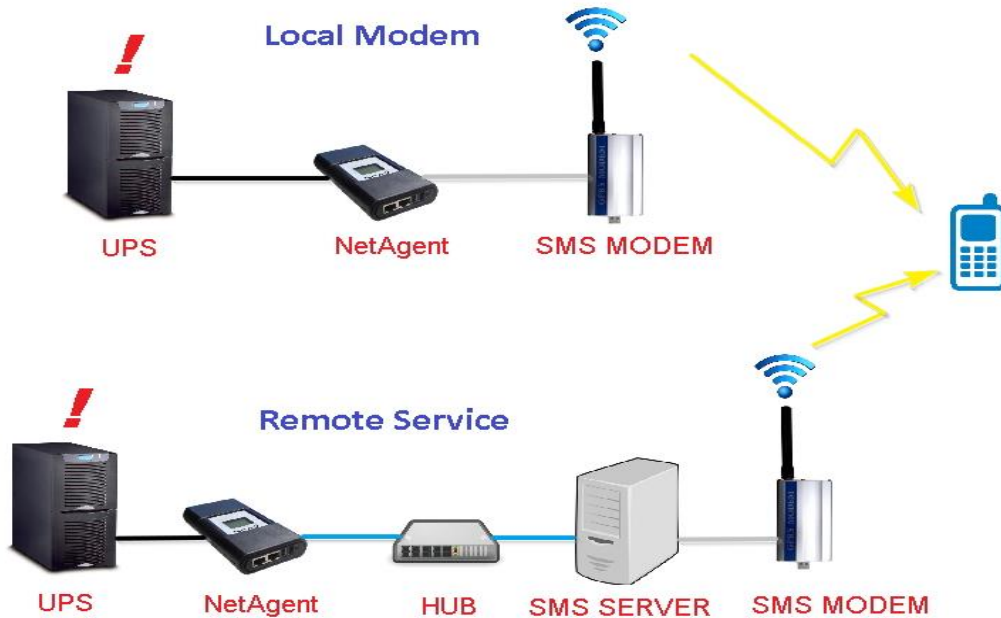
This section is to set Email Addresses to receive NetAgent's Daily Report at preset time. It is valid for up to 4 Email addresses. Daily report with content of event and data log.

With SNMP card is available if to send email when event or data log overflows to 500 logs



■ Configuration > SMS

When UPS events occurs, it allows Short Message Signals (“SMS”) to be sent and received using a GSM/GPRS/CDMA Modem. Operation information are as below for single and three ports of NetAgent.



● SMS Setting :

Send SMS When Event Occurs:

- Disable : No SMS Service
- Use Local Modem : When GSM modem is connected to NetAgent directly
(Refer to SMS Modem section for its installation)
- Use Remote Service : When GSM modem connects to PC with SMS Server software installed
(Refer to SMS Server section for SMS Server Software installation)

SMS Server :

If select to use Remote Service to send SMS, then enter the IP address of the SMS Server. (The PC that installed SMS Server Software)

SMS Port :

If select to use Remote Service to send SMS, enter the port number that SMS Server uses for sending SMS. (Port 80 is default)

Account Name :

If select to use Remote Service to send SMS, enter SMS Server’s account name if required

Password :

If select to use Remote Service to send SMS, enter SMS Server’s password if required

Sending test SMS :

When modem and configuration are ready, enter a mobile number to receive testing SMS

Local Modem

Configuration > SMS

SMS Setting Mobile for Event Log

Send SMS When Event Occurs Use Local Modem

SMS Server

SMS Port 80

Account Name

Password

Sending test SMS 0955956637 Test SMS

1. Select Local Modem

2. Click Apply

3. Enter Mobile Number

4. Send Test SMS

Disable Use Local Modem Use Remote Service

Apply Reset Help

Remote Service

Configuration > SMS

SMS Setting Mobile for Event Log

Send SMS When Event Occurs Use Remote Service

SMS Server 192.168.66.101

SMS Port 80

Account Name ttc

Password *****

Sending test SMS 0955956637 Test SMS

1. Select Remote Service

2. Click Apply

3. Enter Mobile Number

4. Send Test SMS

Disable Use Local Modem Use Remote Service

Apply Reset Help

Local Modem

NetAgent

SMS

SMS Settings

Send SMS When Event Occurs Use Local Modem

SMS Server

SMS Server Port 80

Account Name

Password

Sending test SMS 0955956637 Test SMS

Remote Service

NetAgent

SMS

SMS Settings

Send SMS When Event Occurs Use Remote Service

SMS Server 192.168.66.101

SMS Server Port 80

Account Name ttc

Password *****

Sending test SMS 0955956637 Test SMS

| Receiver cellular number(for Event Log) | | | Events |
|---|--|--|--------|
| Cellular Phone number 1 | | | Select |
| Cellular Phone number 2 | | | Select |
| Cellular Phone number 3 | | | Select |

- Mobile for Event Log

To set the recipient's mobile number for SMS notification when event or NetFeeler event occurs. A total of 8 mobile numbers can be assign.

NetAgent 9 Mini and NetAgent 9

The screenshot displays the NetAgent 9 configuration interface. On the left is a navigation menu with categories: Information, Configuration, Log Information, and Help. The main area is titled 'Configuration > SMS' and contains a 'SMS Setting' tab and a 'Mobile for Event Log' sub-tab. A table lists 8 cellular phone numbers, each with a 'Select' button. Below this table are 'Apply', 'Reset', and 'Help' buttons. Two inset windows are shown: one for 'Select Event' with 'UPS Events' and 'NetFeeler II' tabs, and another for 'UPS Events' showing a list of events with 'Yes' and 'No' selection columns.

| Cellular Phone number | Number | Select |
|------------------------|------------|--------|
| Cellular Phone number1 | 0987924136 | Select |
| Cellular Phone number2 | 0922725208 | Select |
| Cellular Phone number3 | 0916461726 | Select |
| Cellular Phone number4 | 0933988688 | Select |
| Cellular Phone number5 | 0912334579 | Select |
| Cellular Phone number6 | 0987300988 | Select |
| Cellular Phone number7 | 0955670091 | Select |
| Cellular Phone number8 | 0917577633 | Select |

| UPS Events | Yes | No |
|----------------------------|----------------------------------|-----------------------|
| Schedule Shutdown Event | <input checked="" type="radio"/> | <input type="radio"/> |
| UPS Failure | <input checked="" type="radio"/> | <input type="radio"/> |
| UPS entering Test mode | <input checked="" type="radio"/> | <input type="radio"/> |
| UPS entering Sleeping mode | <input checked="" type="radio"/> | <input type="radio"/> |
| UPS entering Boost mode | <input checked="" type="radio"/> | <input type="radio"/> |
| UPS Load Overrun | <input checked="" type="radio"/> | <input type="radio"/> |
| UPS Communication Lost | <input checked="" type="radio"/> | <input type="radio"/> |
| Turn Off UPS | <input checked="" type="radio"/> | <input type="radio"/> |
| AC Power Failed | <input checked="" type="radio"/> | <input type="radio"/> |
| UPS Battery Low | <input checked="" type="radio"/> | <input type="radio"/> |
| UPS Temperature Overrun | <input checked="" type="radio"/> | <input type="radio"/> |
| UPS Capacity Underrun | <input checked="" type="radio"/> | <input type="radio"/> |
| UPS entering Bypass mode | <input checked="" type="radio"/> | <input type="radio"/> |

| UPS Events | Yes | No |
|------------------------------------|----------------------------------|-----------------------|
| Schedule Shutdown Event | <input checked="" type="radio"/> | <input type="radio"/> |
| UPS Failure | <input checked="" type="radio"/> | <input type="radio"/> |
| UPS entering Test mode | <input checked="" type="radio"/> | <input type="radio"/> |
| UPS entering Sleeping mode | <input checked="" type="radio"/> | <input type="radio"/> |
| UPS entering Boost mode | <input checked="" type="radio"/> | <input type="radio"/> |
| UPS Load Overrun | <input checked="" type="radio"/> | <input type="radio"/> |
| UPS Communication Lost | <input checked="" type="radio"/> | <input type="radio"/> |
| Turn Off UPS | <input checked="" type="radio"/> | <input type="radio"/> |
| AC Power Failed | <input checked="" type="radio"/> | <input type="radio"/> |
| UPS Battery Low | <input checked="" type="radio"/> | <input type="radio"/> |
| UPS Temperature Overrun | <input checked="" type="radio"/> | <input type="radio"/> |
| UPS Capacity Underrun | <input checked="" type="radio"/> | <input type="radio"/> |
| UPS entering Bypass mode | <input checked="" type="radio"/> | <input type="radio"/> |
| NetFeeler II | Yes | No |
| Smoke Alarm | <input checked="" type="radio"/> | <input type="radio"/> |
| Water Alarm | <input checked="" type="radio"/> | <input type="radio"/> |
| Gas Alarm | <input checked="" type="radio"/> | <input type="radio"/> |
| Security Alarm | <input checked="" type="radio"/> | <input type="radio"/> |
| Environmental Temperature Overrun | <input checked="" type="radio"/> | <input type="radio"/> |
| Environmental Temperature Underrun | <input checked="" type="radio"/> | <input type="radio"/> |
| Environmental Humidity Overrun | <input checked="" type="radio"/> | <input type="radio"/> |
| Environmental Humidity Underrun | <input checked="" type="radio"/> | <input type="radio"/> |

NetAgent II and NetAgent Mini

The screenshot displays the NetAgent II configuration interface. On the left is a navigation menu with categories: Information, Configuration, Log Information, and Help. The main area is titled 'NetAgent' and contains a 'SMS Settings' section with fields for 'Send SMS When Event Occurs', 'SMS Server', 'SMS Server Port', 'Account Name', 'Password', and 'Sending test SMS'. Below this is a table for 'Receiver cellular number(for Event Log)' with 8 rows, each containing a phone number and a 'Select' button. At the bottom are 'Apply', 'Reset', and 'Help' buttons. An inset window shows the 'UPS Events' and 'NetFeeler II' selection options, similar to the NetAgent 9 interface.

| Receiver cellular number(for Event Log) | Number | Select |
|---|------------|--------|
| Cellular Phone number 1 | 0987924136 | Select |
| Cellular Phone number 2 | 0922725208 | Select |
| Cellular Phone number 3 | 0916461726 | Select |
| Cellular Phone number 4 | 0933988688 | Select |
| Cellular Phone number 5 | 0912334579 | Select |
| Cellular Phone number 6 | 0987300988 | Select |
| Cellular Phone number 7 | 0955670091 | Select |
| Cellular Phone number 8 | 0917577633 | Select |

■ Configuration > Web/Telnet

To set permission for each user account for Web and Telnet access. It is valid for up to 8 users.

- User account

User Name :

To set password for NetAgent Web and Telnet access.

Password :

To set password for NetAgent Web and Telnet access.

Permission :

To set No Access / Read/ Read&Write)

☀ Permission Rule : At least one user account must be Read/Write

☀ Permission Rule : User name with Read and Write cannot be blank

IP Filter :

Only specific IP address could login to NetAgent

☀ *.*.*.* means any IP address

Auto Logoff after Idle for minute (s). (0 is disabled)

NetAgent webpage will be logoff automatically if it idle for the preset value.

NetAgent 9 Mini

The screenshot shows the NetAgent 9 Mini configuration interface. The left sidebar contains navigation options: Information, Configuration (with sub-items: UPS Configuration, UPS On/Off Schedule, Network, SNMP, Email, SMS, Web/Telnet, System Time, SMS Modem, NetSwitch, NetFeeder, Modbus, Language), Log Information, and Help. The main content area is titled 'Configuration > Web / Telnet' and has tabs for 'User Account', 'SSL Information', and 'RADIUS Server Settings'. The 'User Account' tab is active, displaying a table of user accounts with columns for User Name, Password, Permission, and IP Filter. A yellow box highlights the table and the 'Auto LogOff after idle for 3 minute(s) (0: Disable)' setting. A callout box points to the 'Permission' column, showing a dropdown menu with options: No Access, Read, Read/Write, and Read/Write. A Windows Security dialog box is overlaid on the bottom right, displaying a warning: 'The server 192.168.66.103 is asking for your user name and password. The server reports that it is from 0:b:41:e23d47. Warning: Your user name and password will be sent using basic authentication on a connection that isn't secure.' The dialog box includes fields for 'User name' and 'Password', a 'Remember my credentials' checkbox, and 'OK' and 'Cancel' buttons. A 'Caps Lock is on' indicator is also visible.

| User Name | Password | Permission | IP Filter |
|-----------|----------|------------|----------------|
| tony | ***** | Read/Write | **** |
| rex | ***** | Read/Write | **** |
| novia | | Read | **** |
| elma | | Read/Write | **** |
| toby | ***** | Read | 192.168.66.66 |
| ira | ***** | Read/Write | 192.168.66.108 |
| cynthia | ***** | Read/Write | 192.168.66.33 |
| | | No Access | **** |

Auto LogOff after idle for minute(s) (0: Disable)

Windows Security

The server 192.168.66.103 is asking for your user name and password. The server reports that it is from 0:b:41:e23d47.

Warning: Your user name and password will be sent using basic authentication on a connection that isn't secure.

User name:

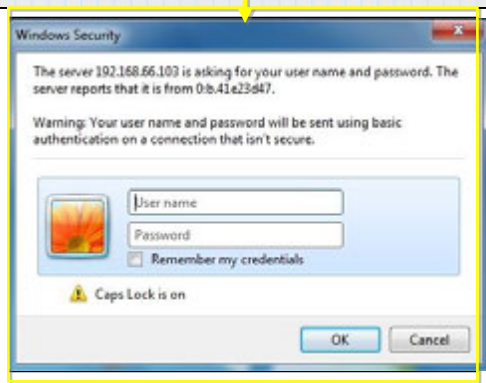
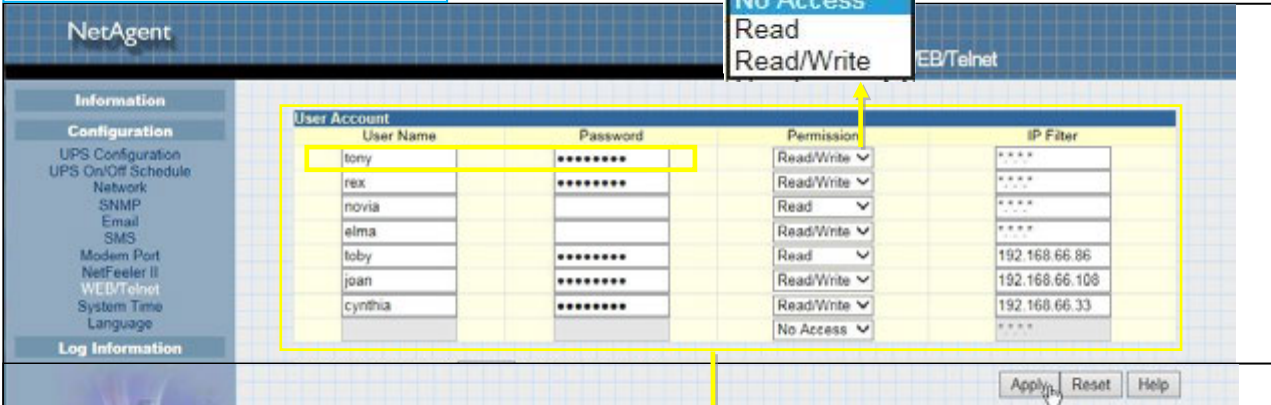
Password:

Remember my credentials

⚠ Caps Lock is on

OK Cancel

NetAgent Mini



- SSL Information

NetAgent supports HTTPS protocol and varies SSL encryptions version for network connection. User may upload its Public Key and Certification for authentication

Table of SSL versions that NetAgent supports

| | SSL v2 | SSL v3 | TLS v1.0 | TLS v1.1 | TLS v1.2 |
|----------------|--------|--------|----------|----------|----------|
| snmp CARD mini | ✓ | ✓ | ✓ | ✓ | ✓ |

HTTPS Protocols

Select the encryption version

- SSL v2
- SSL v3
- SSL v1.0
- SSL v1.1
- SSL v1.2

☛ Once click on Apply, NetAgent will reboot

SSL Information

This is to upload the SSL certificate. When both public key and certificate are uploaded to NetAgent web server, the communication will be encrypted by SSL

(To communicate via Https, make sure to enable Https port 443.)To create its own public key and certification, please refer to OpenSSL software in the CD

NetAgent 9 Mini

The screenshot shows the 'Configuration > Web / Telnet' page. The 'SSL Information' tab is active. Under 'HTTPS Protocol', the following options are checked: SSL v3, TLS v1.0, TLS v1.1, and TLS v1.2. An arrow points to the 'Apply' button with the label 'Select Encryption Version'. Below this, the 'SSL Information' section contains fields for 'SSL Public Key' and 'SSL Certificate', both pointing to local files on the device. Arrows point to these fields with labels '1. Upload Public Key' and '2. Upload Certification'. 'Upload and Replace' buttons are visible next to each field. A note at the bottom states: '* : System will reboot when 'Apply' has been pressed.'

NetAgent Mini

The screenshot shows the 'NetAgent' configuration page. The 'RADIUS Server Settings' section includes fields for 'Enable RADIUS in Web/Telnet login' (set to NO), 'RADIUS Server Address', 'Authentication Port' (1812), 'Shared Key', 'Connection TimeOut' (5 seconds), and 'Connection Retry' (3). Below this, the 'SSL Public Key Information' and 'SSL Certificate Information' sections are highlighted with a yellow box. The 'SSL Public Key' field points to 'G:\NetAgent\key' and the 'SSL Certificate' field points to 'G:\NetAgent\cert'. Both have 'Upload and Replace' buttons. A note at the bottom states: '* : This upload function could not be used in P11TP mode.'

The screenshot shows a browser security warning for the URL 'https://192.168.66.133'. The warning text is in Chinese, stating that the certificate is not issued by a trusted authority. A yellow box highlights the URL in the address bar. A callout box with an arrow pointing to the '繼續瀏覽此網站 (不建議)' button contains the text: 'When connect via HTTPS with its own generated public key and certification, browser may show error, please ignore and continue.'

- RADIUS Server Setting

If RADIUS server authentication is required for the network, NetAgent could be added by entering following parameter.



Enable RADIUS in Web/Telnet Login:

To select if to enable RADIUS

RADIUS Server Address :

To enter the IP address of the RADIUS Server

Authentication Port :

RADIUS port number (Default is 812)

Shared Key :

Enter the Shared Key between RADIUS Server and client

Connection Timeout :

Set the number of seconds to suspend the login time after the RADIUS server is rejected

Connection Retry :

Sets the number of connections to the RADIUS server again

NetAgent 9 Mini

The screenshot shows the configuration page for RADIUS Server Settings. The left sidebar contains a navigation menu with categories: Information, Configuration, Log Information, and Help. Under Configuration, options include UPS Configuration, UPS On/Off Schedule, Network, SNMP, Email, SMS, Web/Telnet (selected), System Time, SMS Modem, NetSwitch, NetFeeler, Modbus, and Language. The main content area is titled 'Configuration > Web / Telnet' and has tabs for 'User Account', 'SSL Information', and 'RADIUS Server Settings'. The RADIUS Server Settings form includes the following fields:

| | |
|-----------------------------------|--------------|
| Enable RADIUS in Web/Telnet login | YES |
| RADIUS Server Address | 192.168.66.5 |
| Authentication Port | 1812 |
| Shared Key | ***** |
| Connection TimeOut | 5 second(s) |
| Connection Retry | 3 |

At the bottom right of the form are buttons for 'Apply', 'Reset', and 'Help'.

NetAgent Mini

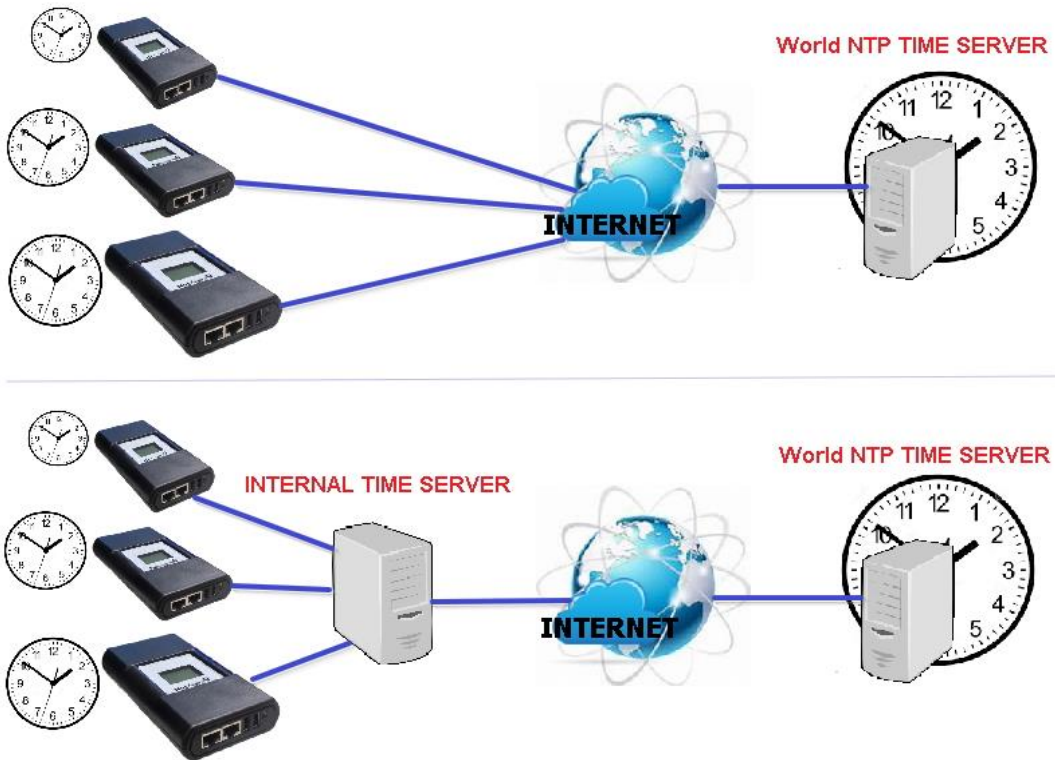
The screenshot displays the NetAgent Mini WEB/Telnet configuration interface. The left sidebar contains a navigation menu with sections: Information, Configuration, Log Information, and Help. The Configuration section is expanded, showing options like UPS Configuration, Network, SNMP, Email, SMS, Modem Port, NetFeeler II, WEB/Telnet, System Time, and Language. The main content area is titled 'WEB/Telnet' and features a 'RADIUS Server Settings' section highlighted with a yellow border. This section includes the following fields:

| RADIUS Server Settings | |
|-----------------------------------|--------------|
| Enable RADIUS in Web/Telnet login | YES |
| RADIUS Server Address | 192.168.66.5 |
| Authentication Port | 1812 |
| Shared Key | ***** |
| Connection TimeOut | 5 second(s) |
| Connection Retry | 3 |

Below the RADIUS settings, there are 'Apply', 'Reset', and 'Help' buttons. At the bottom of the page, there is a link for 'SSL Public Key Information'.

■ Configuration > System Time

This page is to set NetAgent's system time. NetAgent could synchronize with external or internal Time Server.



System Time

Time Between Automatic Updates :

To set an interval for time synchronization.

Time Server :

Time server can be select from the drop down list , or add other time server manually.

Time Zone(Relative to GMT) :

To select its GMT time zone

Using Daylight Saving Time :

Select whether to use the daylight saving time system to adjust the clock for 1 hour in advanced

System Time(yyyy/mm/dd hh:mm:ss) :

To display the current system time/date of NetAgent. Or click on Adjust Now to adjust to the correct time/date automatically

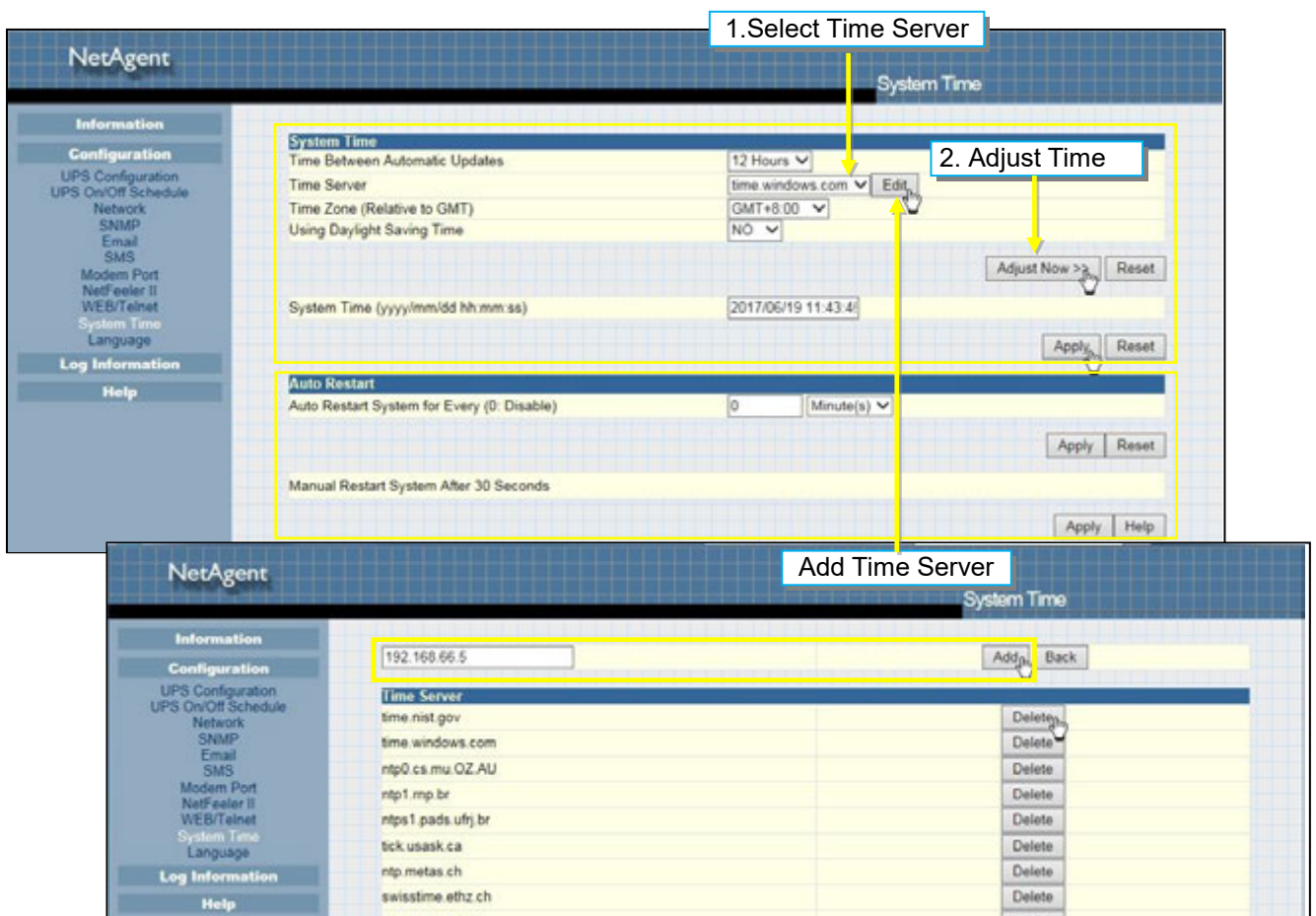
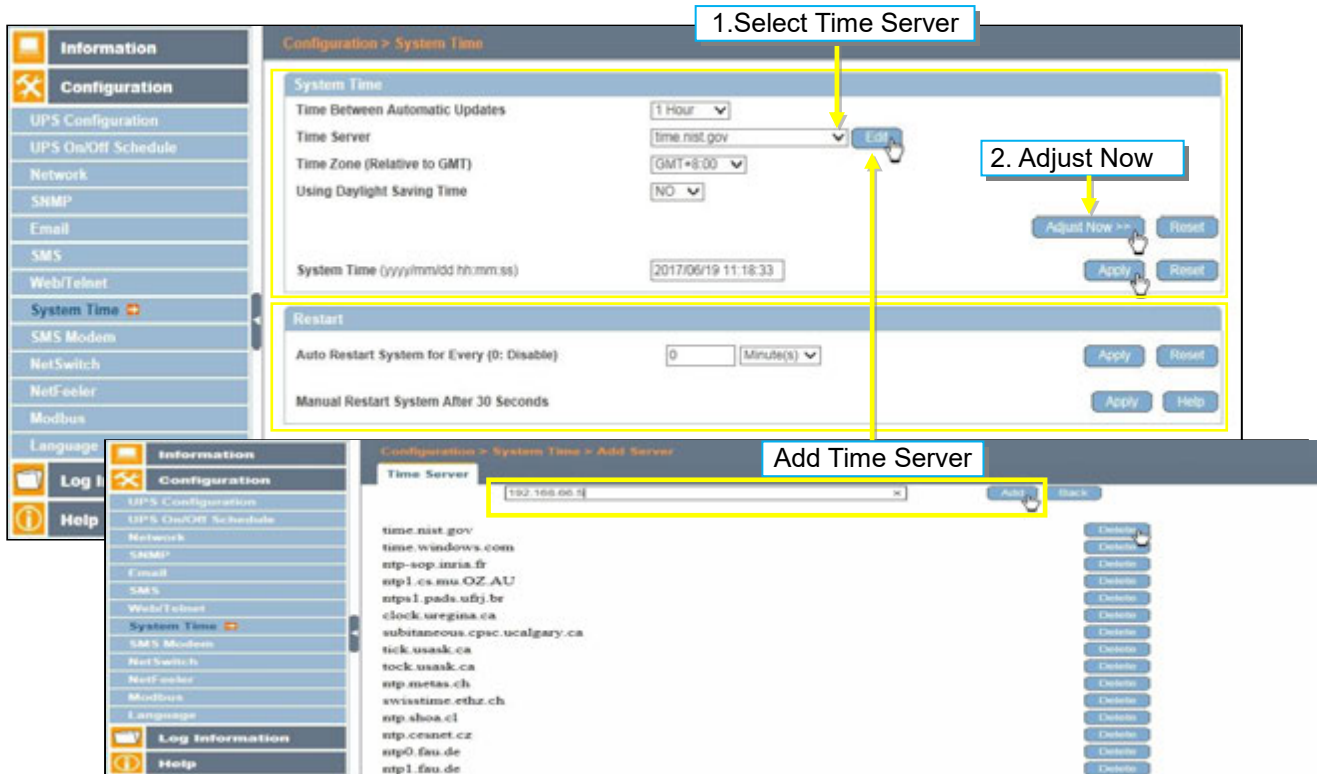
Restart

Auto Restart System for Every (0 is disabled):

NetAgent to restart automatically at preset hour or minute

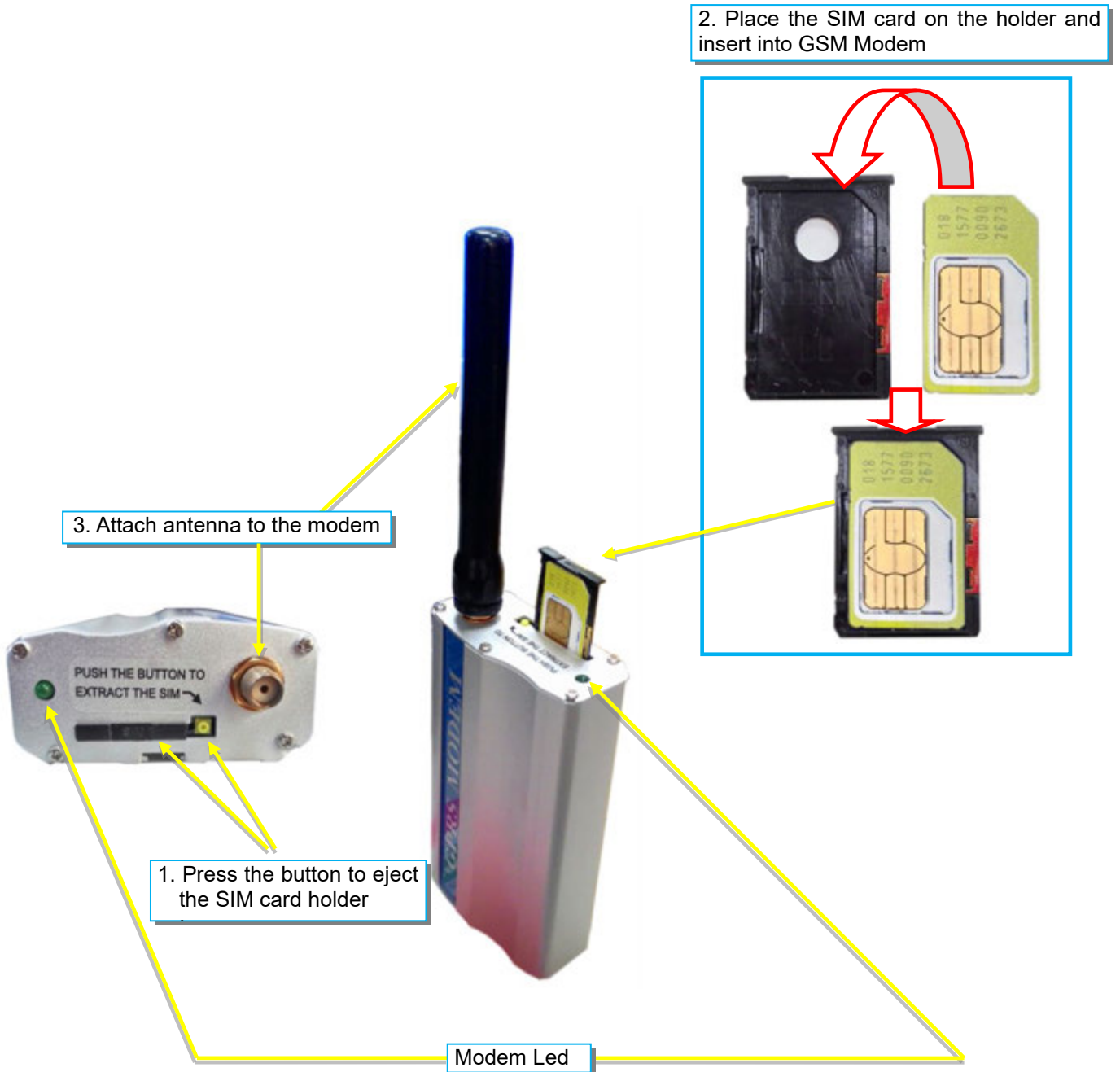
Manual Restart System After 30 seconds :

Once click on Apply, NetAgent would restart after 30 seconds



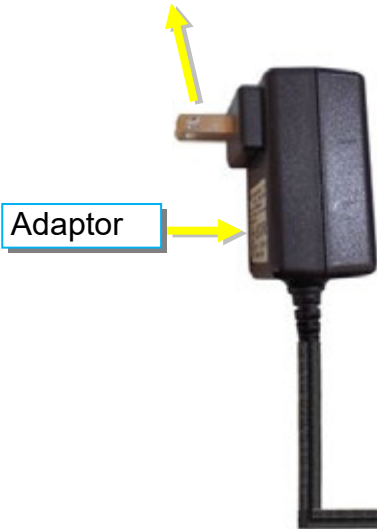
■ Configuration > SMS Modem

□ Modem Setup Procedure

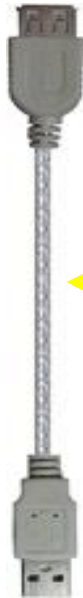


Modem Led Status

- If flash every 0.8 seconds :**
 - Modem initializing, please wait
 - If no respond
 - (1) Check if PIN is correctly entered, or if PIN is required
 - (2) Check if SIM card is inserted corrected
 - (3) Check if no or low signal
- If flash every 3 seconds :**
 - Modem is ready for operation



2906 Cable



USB Cable



NetAgent II 3 Ports



NetAgent 9

- SMS Modem Settings

Modem Communication Port :

Select “ ttyUSB0” for USB modem connects with NetAgent 9 directly ;

Select “SMS “ for modem connects with NetAgent II 3 Ports

SMS Communication :

Select between GPRS or CDMA

SIM Card PIN :

If PIN is required for the SIM card, please enter

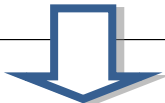
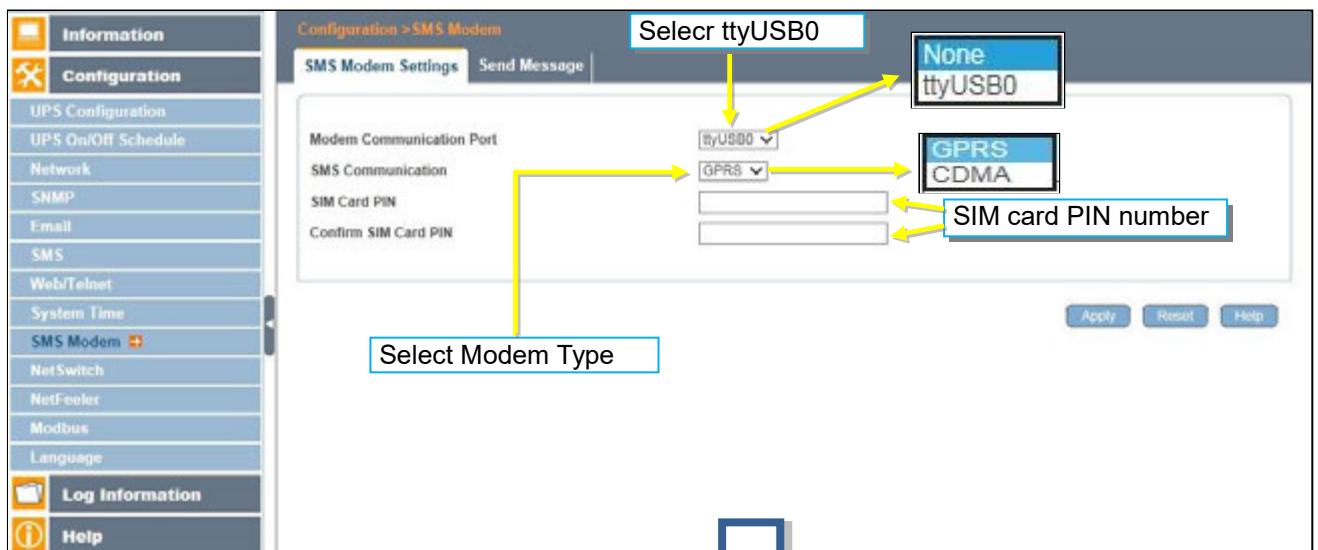
Confirm SIM PIN :

Retype SIM card PIN

When all done, click on Apply. Modem Information and Status can be check from Information> SMS Modem Status

☀ Once click on Apply on NetAgent 3 ports model, NetAgent will reboot

NetAgent 9 W/USB



Modem Information and Status

- Send Message

Cellular Phone number :

Enter mobile number

SMS Content(Max.70 Characters) :

Enter the SMS content text and select coding. Unicode or Character



NetAgent **Modem Information and Status**

Modem Status

Information

- System Status
- Basic Information
- Current Status
- Remote Control
- Master/Client
- Modem Status

Configuration

Log Information

Help

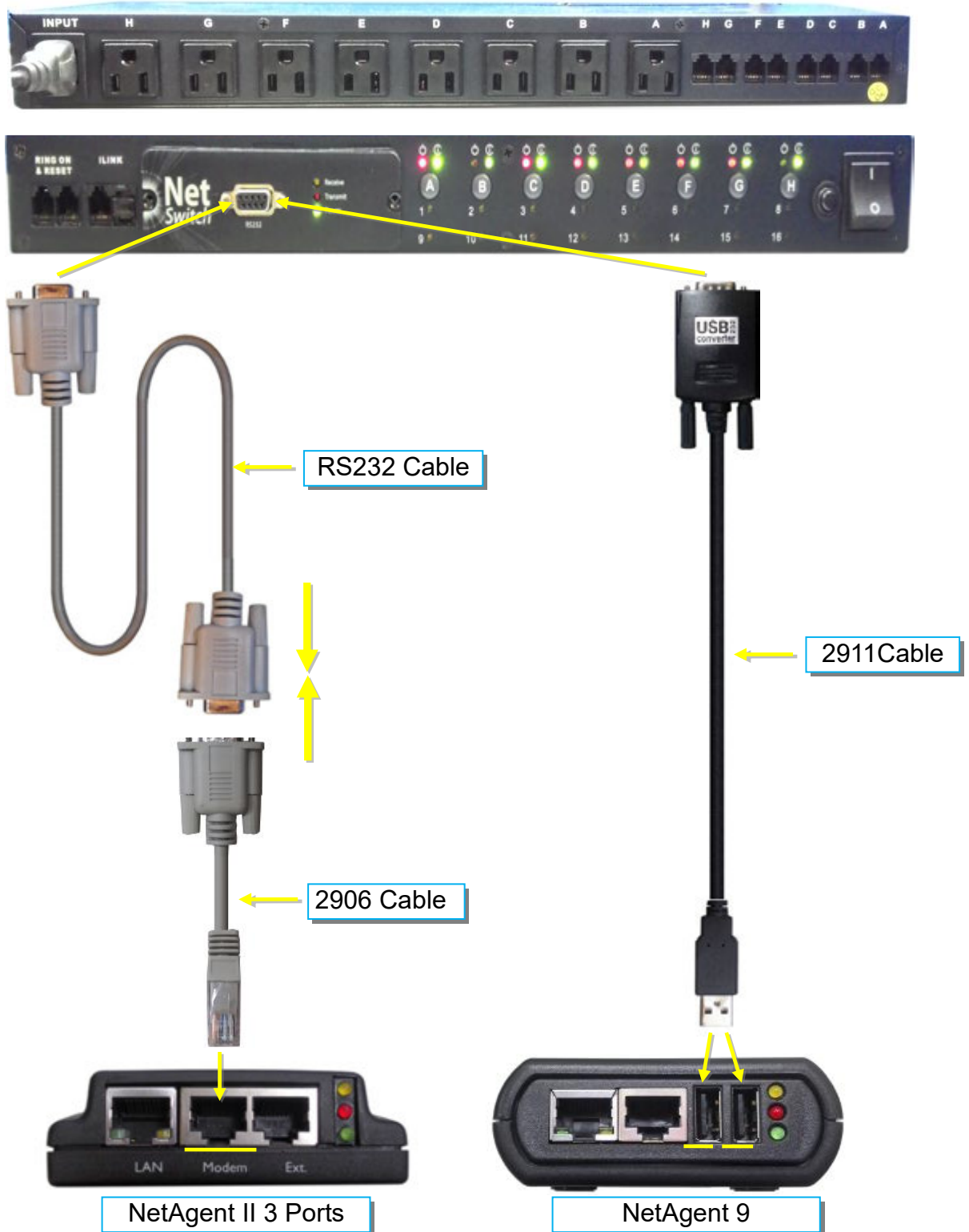
| Modem Information | |
|------------------------|----------------|
| Modem Manufacturer | SIEMENS |
| Modem Model | MC55 |
| Modem Firmware Version | REVISION 04.00 |

| GSM Modem Current Status | |
|--------------------------------|---|
| Service Provider | TWN GSM 1800 |
| Central number of SMS service | 886935874443 |
| Signal Strength | 38% |
| SIM card PIN is correct or not | SIM card PIN correct or no PIN configured |

■ Configuration > NetSwitch

NetAgent 3 Ports (BT model) or NetAgent 9 (BX/BY model) can also connect with our NetSwitch for remote power management

□ NetSwitch Installation



- NetSwitch

When NetAgent BT/BX/BY connects with NetSwitch, it able to perform action to the specific outlet when event or alarm triggers

NetAgent 9

Configuration > NetSwitch

Current Action List

| No. | Events | Events Action | NetSwitch | Outlet | Outlet Action | Modify |
|-----|------------------|---------------|----------------------|------------------------|---------------|----------|
| 1 | UPS Load Overrun | Occur | NetSwitch01(iSWITCH) | OutletF(EPSON PRINTER) | OFF | [Delete] |
| 2 | UPS Load Overrun | Occur | NetSwitch01(iSWITCH) | OutletG(HP PRINTER) | OFF | [Delete] |
| 3 | AC Power Failed | Occur | NetSwitch01(iSWITCH) | OutletB(COMPUTER A) | OFF | [Delete] |
| 4 | AC Power Failed | Occur | NetSwitch01(iSWITCH) | OutletC(COMPUTER B) | OFF | [Delete] |
| 5 | AC Power Failed | Occur | NetSwitch01(iSWITCH) | OutletD(MAIL SERVER) | OFF | [Delete] |
| 6 | AC Power Failed | Occur | NetSwitch01(iSWITCH) | OutletE(DNS SERVER) | OFF | [Delete] |
| 7 | UPS Load Overrun | Remove | NetSwitch01(iSWITCH) | OutletF(EPSON PRINTER) | ON | [Delete] |
| 8 | UPS Load Overrun | Remove | NetSwitch01(iSWITCH) | OutletG(HP PRINTER) | ON | [Delete] |
| 9 | AC Power Failed | Remove | NetSwitch01(iSWITCH) | OutletD(MAIL SERVER) | ON | [Delete] |
| 10 | AC Power Failed | Remove | NetSwitch01(iSWITCH) | OutletE(DNS SERVER) | ON | [Delete] |

Delete Action

1. Click on Add to add new action

Add Help

Configuration > NetSwitch Action > NetSwitch Action Configuration

NetSwitch Action Configuration

Events Select: UPS

Events Action: Occur Remove

NetSwitch: NetSwitch01(iSWITCH)

Outlet: OutletA(ADSL MODEM)

Outlet Action: ON OFF

Apply

7. Click on Apply to add into Action list

2. Select Event
3. Event Action
4. Select NetSwitch Number
5. Select Outlet Number
6. Select Outlet Action

- OutletA(ADSL MODEM)
- OutletA(COMPUTER A)
- OutletA(COMPUTER B)
- OutletA(MAIL SERVER)
- OutletA(DNS SERVER)
- OutletA(EPSON PRINTER)
- OutletA(HP PRINTER)
- OutletA(EMERGENCY LIGHT)

- NetSwitch02
- NetSwitch03
- NetSwitch04
- NetSwitch05
- NetSwitch06
- NetSwitch07
- NetSwitch08
- NetSwitch09
- NetSwitch10
- NetSwitch11
- NetSwitch12
- NetSwitch13
- NetSwitch14
- NetSwitch15
- NetSwitch16

- UPS
- UPS Load Overrun
- UPS Communication Lost
- AC Power Failed
- UPS Battery Low
- UPS Temperature Overrun
- Battery Capacity Below to -----NetFeeler II-----
- Temperature Overrun
- Temperature Underrun
- Humidity Overrun
- Humidity Underrun
- Water
- Smoke
- Gas
- Security1
- Security2
- Security3
- Security4
- Security5
- Security6
- Security7

NetAgent II 3 Ports

NetAgent

Current Action List

NetSwitch Action

Delete Action

| No. | Events | Events Action | NetSwitch | Outlet | Outlet Action | Modify |
|-----|------------------|---------------|-----------------------|------------------------|---------------|----------|
| 1 | UPS Load Overrun | Occur | NetSwitch01((SWITCH)) | OutletF(EPSON PRINTER) | OFF | [Delete] |
| 2 | UPS Load Overrun | Occur | NetSwitch01((SWITCH)) | OutletG(HP PRINTER) | OFF | [Delete] |
| 3 | AC Power Failed | Occur | NetSwitch01((SWITCH)) | OutletB(COMPUTER A) | OFF | [Delete] |
| 4 | AC Power Failed | Occur | NetSwitch01((SWITCH)) | OutletC(COMPUTER B) | OFF | [Delete] |
| 5 | AC Power Failed | Occur | NetSwitch01((SWITCH)) | OutletD(MAIL SERVER) | OFF | [Delete] |
| 6 | AC Power Failed | Occur | NetSwitch01((SWITCH)) | OutletE(DNS SERVER) | OFF | [Delete] |
| 7 | UPS Load Overrun | Remove | NetSwitch01((SWITCH)) | OutletF(EPSON PRINTER) | ON | [Delete] |
| 8 | UPS Load Overrun | Remove | NetSwitch01((SWITCH)) | OutletG(HP PRINTER) | ON | [Delete] |
| 9 | AC Power Failed | Remove | NetSwitch01((SWITCH)) | OutletD(MAIL SERVER) | ON | [Delete] |
| 10 | AC Power Failed | Remove | NetSwitch01((SWITCH)) | OutletE(DNS SERVER) | ON | [Delete] |

1. Click on Add to add new action

New Help

2. Select Event

3. Event Action

4. Select NetSwitch Number

5. Select Outlet Number

6. Select Outlet Action

7. Click on Apply to add into Action list

NetSwitch Action Configuration

Events Select: UPS

Events Action: Occur Remove

NetSwitch: NetSwitch01((SWITCH))

Outlet: OutletA(ADSL MODEM)

Outlet Action: ON OFF

Apply

- OutletA(ADSL MODEM)
- OutletA(COMPUTER A)
- OutletA(COMPUTER B)
- OutletA(MAIL SERVER)
- OutletA(DNS SERVER)
- OutletA(EPSON PRINTER)
- OutletA(HP PRINTER)
- OutletA(EMERGENCY LIGHT)

- NetSwitch02
- NetSwitch03
- NetSwitch04
- NetSwitch05
- NetSwitch06
- NetSwitch07
- NetSwitch08
- NetSwitch09
- NetSwitch10
- NetSwitch11
- NetSwitch12
- NetSwitch13
- NetSwitch14
- NetSwitch15
- NetSwitch16

- UPS
- UPS Load Overrun
- UPS Communication Lost
- AC Power Failed
- UPS Battery Low
- UPS Temperature Overrun
- Battery Capacity Below to
- NetFeeler II-----
- Temperature Overrun
- Temperature Underrun
- Humidity Overrun
- Humidity Underrun
- Water
- Smoke
- Gas
- Security1
- Security2
- Security3
- Security4
- Security5
- Security6
- Security7

- NetSwitch Settings

NetSwitchCommunication Port :

Select “ ttyUSB0” for NetSwitch connects with NetAgent 9 directly ;

Select “NetSwitch “ for NetSwitch connects with NetAgent II 3 Ports

☀ **Once click on Apply on NetAgent 3 ports model, NetAgent will reboot**

Select NetSwitch :

Select the NetSwitch number (0~16)

Address Change :

To adjust the current NetSwitch number (e.g : NetSwitch01 → NetSwitch03)

Identication :

NetSwitch’s ID name

Outlet :

Each NetSwitch as 8 individual outlet with code of A~H

Name :

To enter a name for each outlet for identification

Phone Controllable :

If to control by phone coding (Refer to NetSwitch manual)

Control Type :

The action of each outlet. Safe Shutdown / Safe reboot / Instant Shutdown
(Refer to NetSwitch manual for definition of each outlet)

Power Off Delay :

When select safe shutdown and safe reboot, this is to set power off delay for the outlet

Power Resume Daly :

When AC recovers , the time to resume power on the outlet

NetAgent 9

The screenshot displays the NetSwitch Settings configuration page. At the top, there are dropdown menus for 'NetSwitch Communication Port' (set to 'ttyUSB0'), 'Select NetSwitch' (set to 'NetSwitch01(SWITCH)'), and 'Address Change'. Below these is a table with 8 rows representing outlets A through H. Each row has columns for Name, Phone Controllable, Control Type, Power Off Delay, and Power Resume Delay. A callout box points to the 'Control Type' column, listing 'safe shutdown', 'safe reboot', and 'instant shutdown' as options.

| Outlet | Name | Phone Controllable | Control Type | Power Off Delay | Power Resume Delay |
|--------|-----------------|--------------------|------------------|-----------------|--------------------|
| A | ADSL MODEM | YES | safe shutdown | 180 sec | 30 sec |
| B | COMPUTER A | YES | safe shutdown | 90 sec | 30 sec |
| C | COMPUTER B | YES | safe shutdown | 90 sec | 30 sec |
| D | MAIL SERVER | YES | safe reboot | 90 sec | 30 sec |
| E | DNS SERVER | YES | safe reboot | 90 sec | 30 sec |
| F | EPSON PRINTER | YES | instant shutdown | 0 sec | 0 sec |
| G | HP PRINTER | YES | instant shutdown | 0 sec | 0 sec |
| H | EMERGENCY LIGHT | NO | instant shutdown | 0 sec | 0 sec |

NetAgent II 3 Ports

Modem Port

Modem Settings
Modem Communication Type* NetSwitch

* System will reboot when this item has been Applied

NetSwitch Setting
Select NetSwitch NetSwitch01
Address Change
Identification iSWITCH

| Outlet | Name | Phone Controllable | Control Type | Power Off Delay | Power Resume Delay |
|--------|-----------------|--------------------|------------------|-----------------|--------------------|
| A | ADSL MODEM | YES | safe shutdown | 180 sec | 30 sec |
| B | COMPUTER A | YES | safe shutdown | 90 sec | 30 sec |
| C | COMPUTER B | YES | safe shutdown | 90 sec | 30 sec |
| D | MAIL SERVER | YES | safe reboot | 90 sec | 30 sec |
| E | DNS SERVER | YES | safe reboot | 90 sec | 30 sec |
| F | EPSON PRINTER | YES | instant shutdown | 0 sec | 0 sec |
| G | HP PRINTER | YES | instant shutdown | 0 sec | 0 sec |
| H | EMERGENCY LIGHT | NO | instant shutdown | 0 sec | 0 sec |



Information > NetSwitch Status

NetSwitch Status and Control

Select NetSwitch NetSwitch01(iSWITCH)

Identification iSWITCH

| Outlet | Status | Power Icon |
|---------|--------|--------------|
| OutletA | ON | [Power Icon] |
| OutletB | OFF | [Power Icon] |
| OutletC | ON | [Power Icon] |
| OutletD | ON | [Power Icon] |
| OutletE | ON | [Power Icon] |
| OutletF | ON | [Power Icon] |
| OutletG | ON | [Power Icon] |
| OutletH | ON | [Power Icon] |

NetAgent

NetSwitch Status

Information

System Status
Basic Information
Current Status
Remote Control
Meter/Chart
NetSwitch Status
NetFeeler II

Configuration
Log Information
Help

NetSwitch Status and Control (Click the icon to turn on or off the specific outlet)

Select NetSwitch: NetSwitch01

Identification iSWITCH

| Outlet | Status | Power Icon |
|---------|--------|--------------|
| OutletA | ON | [Power Icon] |
| OutletB | OFF | [Power Icon] |
| OutletC | ON | [Power Icon] |
| OutletD | ON | [Power Icon] |
| OutletE | ON | [Power Icon] |
| OutletF | ON | [Power Icon] |
| OutletG | ON | [Power Icon] |
| OutletH | ON | [Power Icon] |

All On [Power Icon]

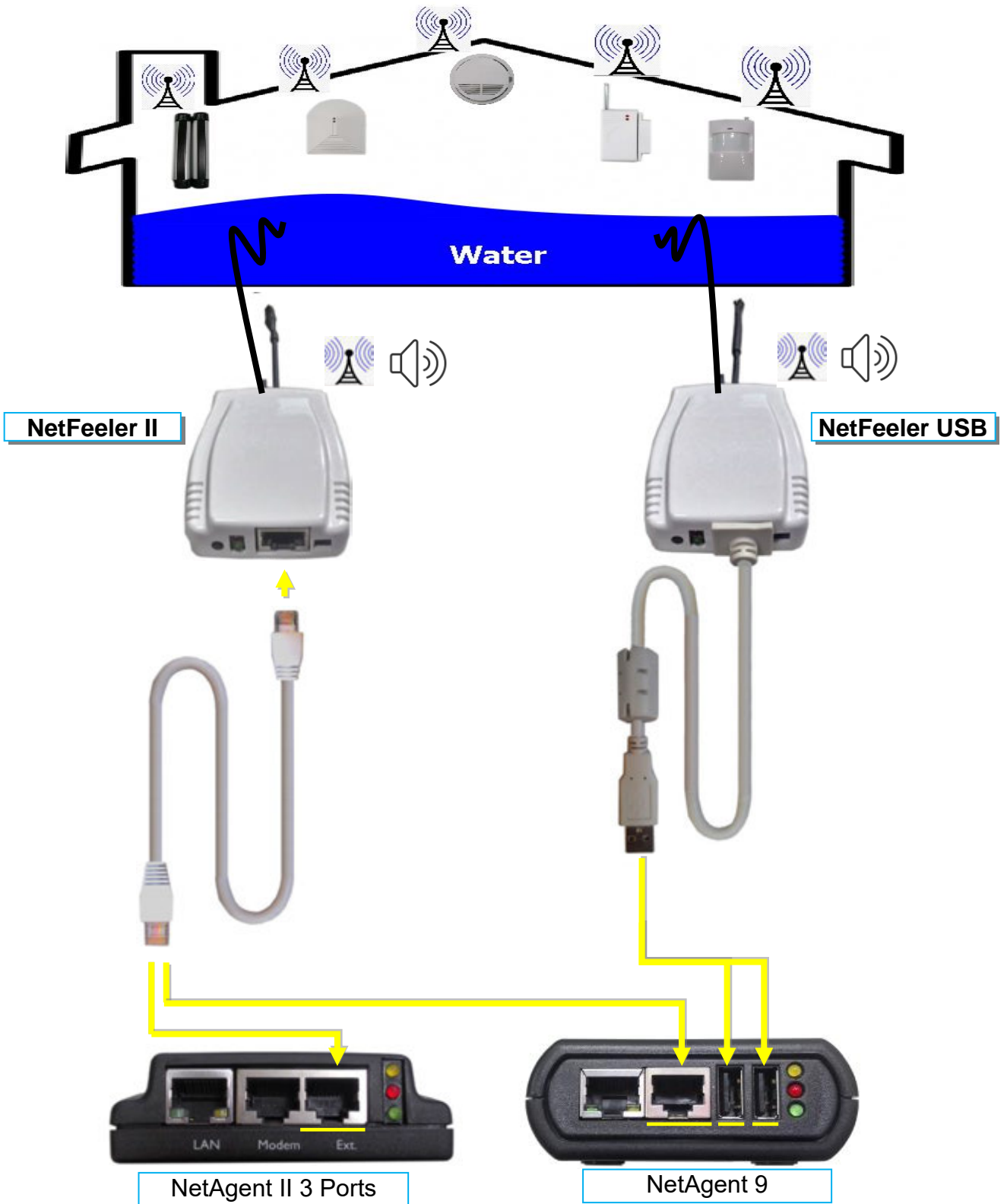
All Off [Power Icon]

Help

■ **Configuration > NetFeeler**

NetFeeler is the external optional environmental sensor, It is to detects temperature, humidity and water. Inside NetFeeler, it has RF receiver to work with extension sensors such as smoke, security sensor.

□ NetFeeler Setup



NetFeeler

NetFeeler :

To select NetFeeler type. NetFeeler II / NetFeeler USB

☛ NetAgent 9 can use with NetFeeler II or NetFeeler USB

☛ NetAgent II 3 Ports only to use with NetFeeler II

Humidity/Temperature Critical value :

To set the lowest and highest critical values for temperature and humidity. NetFeeler II will send a warning message when it detects temperature or humidity values below and above these settings.

Security Label

NetFeeler may connect up to 7 security sensors that communicates via RF. This section is to set the location or name of each sensor.

NetAgent 9

Configuration > NetFeeler

NetFeeler: NetFeeler II (Disabled. NetFeeler II, NetFeeler USB)

Critical UnderRun: 40, Critical OverRun: 90

Humidity (%): 40, Temperature (°C): 10.0

Security Label:

| | |
|---------|----------------------------|
| Label 1 | Factory gate |
| Label 2 | Factory back door |
| Label 3 | Office floor windows |
| Label 4 | Finance Dept window(left) |
| Label 5 | Finance Dept window(right) |
| Label 6 | Warehouse door |
| Label 7 | Garage door |

Apply, Reset, Help

Information > NetFeeler

NetFeeler Status:

| | | | |
|---------------------------|---------------------|----------------------------|--------|
| Environmental Temperature | 25.0 °C (77.0 °F) | Factory gate | Normal |
| Environmental Humidity | 60 % | Factory back door | Normal |
| Water Status | Normal | Office floor windows | Normal |
| Gas Status | Normal | Finance Dept window(left) | Normal |
| Smoke Status | Normal | Finance Dept window(right) | Normal |
| | | Warehouse door | Normal |
| | | Garage door | Normal |

Clear Alarm, Reset Alarm, Help

NetAgent II 3 Ports

NetAgent NetFeeler II

Configuration

- UPS Configuration
- UPS On/Off Schedule
- Network
- SNMP
- Email
- SMS
- Modem Port
- NetFeeler II
- NetSwitch Action
- WEB/Telnet
- System Time
- Language

Log Information

Help

NetFeeler II

| Critical UnderRun | | Critical OverRun | |
|-------------------|------|------------------|--|
| Humidity (%) | 40 | 90 | |
| Temperature (°C) | 10.0 | 45.0 | |

Security Label

| | |
|---------|-----------------------------|
| Label 1 | Factory gate |
| Label 2 | Factory back door |
| Label 3 | Office floor windows |
| Label 4 | Finance Dept windows(left) |
| Label 5 | Finance Dept windows(right) |
| Label 6 | Warehouse door |
| Label 7 | Garage door |

Apply Reset Help



NetAgent NetFeeler II

Refresh status every 10 seconds

NetFeeler II Status

| | |
|----------------------------|---------------------|
| Environmental Temperature | 27.3 °C (81.1 °F) |
| Environmental Humidity | 70 % |
| Water Status | Normal |
| Gas Status | Normal |
| Smoke Status | Normal |
| Factory gate | Normal |
| Factory back door | Normal |
| Office floor windows | Normal |
| Finance Dept windows(left) | Normal |

NetAgent NetFeeler II

Refresh status every 10 seconds

NetFeeler II Status

| | |
|-----------------------------|---------------------|
| Environmental Temperature | 27.8 °C (82.0 °F) |
| Environmental Humidity | 69 % |
| Water Status | Normal |
| Gas Status | Normal |
| Smoke Status | Normal |
| Factory gate | Normal |
| Factory back door | Normal |
| Office floor windows | Normal |
| Finance Dept windows(left) | Normal |
| Finance Dept windows(right) | Alarm |
| Warehouse door | Normal |
| Garage door | Normal |

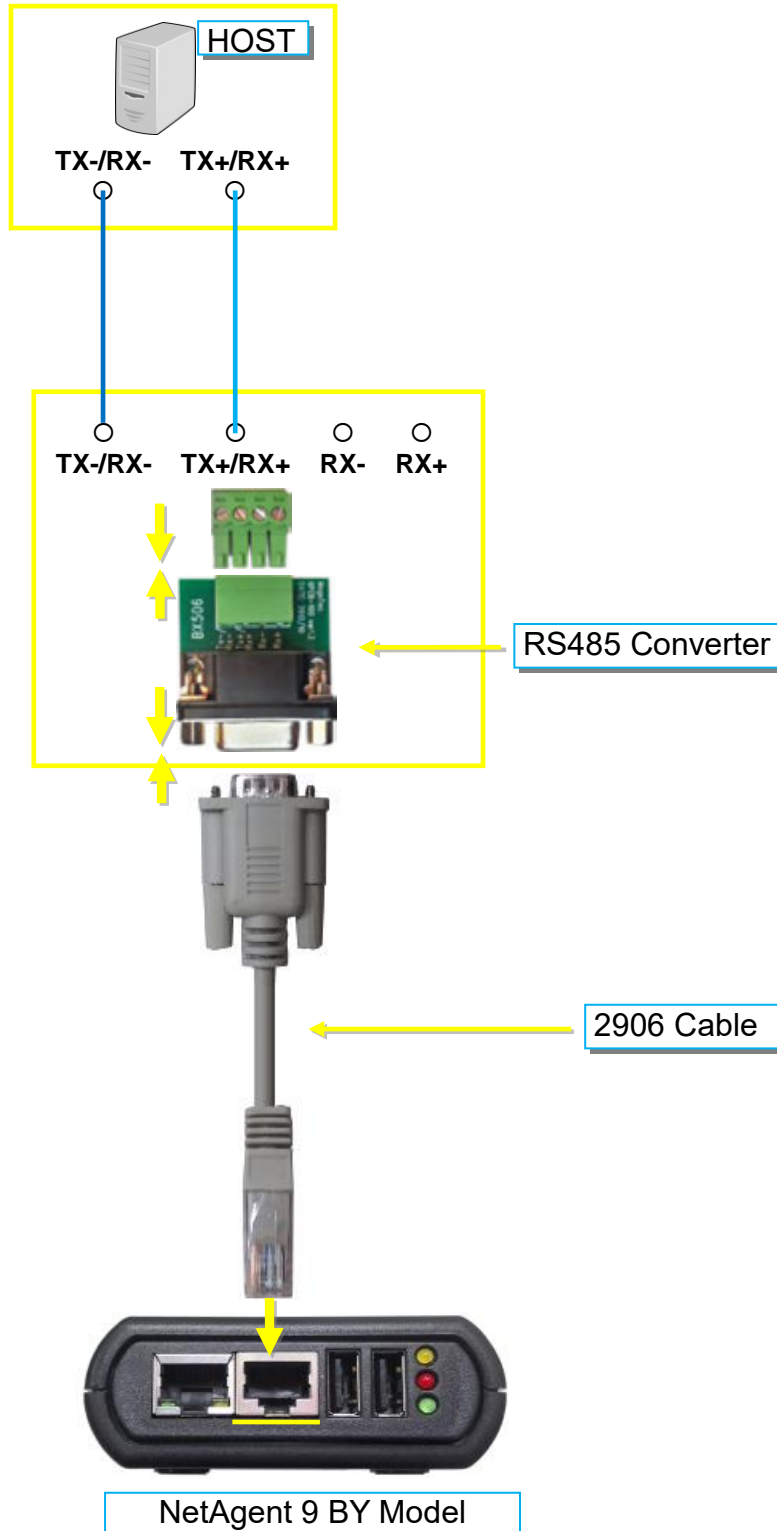
Clear Alarm → Reset Alarm Help

■ **Configuration > MODBUS**

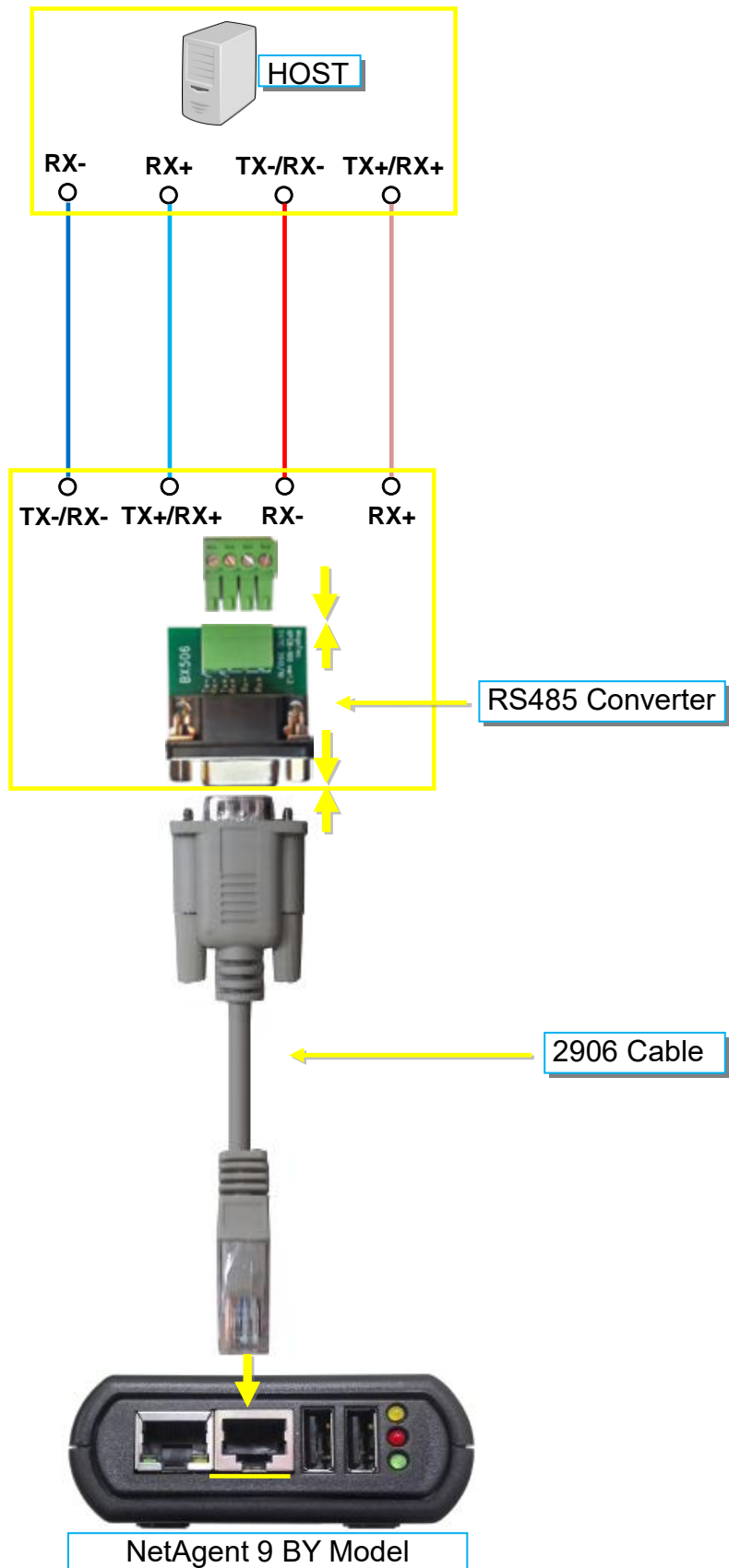
NetAgent supports Modbus on TCP/IP. And NetAgent 9 BY model also supports ModBus on RS485. Through Ethernet and serial communication, it may read multi UPS's data.

Connection illustration as below

□ RS485 2 lines connection(Half Duplex)



□ RS485 4 lines (Full Duplex)



Modbus on TCP

Modbus on TCP Device ID :

Enter device ID to read/write data when using Modbus on TCP communication

Modbus on RS485

Transmission Mode :

To select Modbus communication code RTU or ASCII

Device ID :

Enter device ID

Mode :

To select communicate mode of Full Duplex and Half Duplex

Baud Rate :

Baud Rate of 2400 / 4800 / 9600 / 19200 / 38400 / 57600 bps

Data bits :

Data bits of 8 bits / 7 bits

Parity :

Parity of None/ odd /even

Stop bits :

Stop bits of 1 / 2

NetAgent 9

The screenshot shows the NetAgent 9 configuration interface for Modbus. The left sidebar contains navigation options: Information, Configuration (selected), UPS Configuration, UPS On/Off Schedule, Network, SNMP, Email, SMS, Web/Telnet, System Time, SMS Modem, NetSwitch, NetFeeder, Modbus (highlighted), and Language. The main panel is titled 'Configuration > Modbus' and is divided into two sections: 'Modbus on TCP' and 'Modbus on RS485'. The 'Modbus on TCP' section has a 'Modbus on TCP Device ID' field with the value '1'. The 'Modbus on RS485' section has several dropdown menus: 'Transmission Mode' (set to RTU), 'Device ID' (set to 1), 'Mode' (set to Full Duplex), 'Baud Rate' (set to 9600), 'Data bits' (set to 8), 'Parity' (set to None), and 'Stop bits' (set to 1). A yellow box highlights the 'Apply' button. Three callout boxes with arrows point to the 'Transmission Mode' dropdown (showing 'Disabled', 'RTU', 'ASCII'), the 'Mode' dropdown (showing 'Full Duplex', 'Half Duplex'), and the 'Baud Rate' dropdown (showing '9600', '2400', '4800', '19200', '38400', '57600').

■ Configuration > Language

This page is to set the language interface for NetAgent.

Interface Language

To set the language of NetAgent web pages. When first start login to the webpage of NetAgent, NetAgent will auto detects the OS language of the PC and shows the same language on its web pages. Users may choose the language per preference

Note: Users will have to enable cookies before they use this function.

Email Preference

Select language preference when receive emails and SMS.

Languages supported by NetAgent

NetAgent 9

- English
- Deutsch
- Português
- Español
- Français
- Italiano
- Türkçe
- 繁體中文
- 簡體中文
- 한글
- 日本語
- Русский
- ไทย
- Polska

NetAgent II

EAST Version

- English
- 繁體中文
- 簡體中文
- 한글
- 日本語
- Русский
- ไทย

WEST Version

- English
- Deutsch
- Português
- Español
- Français
- Italiano
- Русский
- Türkçe
- Polska

NetAgent 9 Mini & NetAgent 9

The screenshot shows the 'Configuration > Language' page in the NetAgent web interface. On the left is a navigation menu with 'Language' selected. The main content area is titled 'Configuration > Language' and contains two sections: 'Interface Language' and 'Email Preferences'. The 'Interface Language' section has radio buttons for various languages: English (selected), Deutsch, Português, Español, Français, Italiano, Türkçe, 繁體中文, 簡體中文, 한글, 日本語, Русский, ไทย, and Polska. A yellow arrow points from the 'Apply' button to the language list. The 'Email Preferences' section has a dropdown menu set to 'English' with the text 'Use below interface language in Email and SMS notification'. At the bottom right, there are three buttons: 'Apply' (highlighted with a yellow box), 'Reset', and 'Help'.

■ **Log Information > Event Log**

It shows record of all events, giving the Date/Time of the event and a detailed description of each. Log capacity is 1000 logs. When reach to the limit, it rewrites on the previous logs. Log can be save as csv file.

csv file name as below

NetAgent 9 → eventlog_year/month.csv , e.g.:eventlog_201706

NetAgent II → eventlog.csv , e.g. : eventlog.csv

NetAgent 9 Mini & NetAgent 9

The screenshot shows the 'Event Log' section of the NetAgent 9 interface. On the left is a navigation menu with 'Event Log' selected. The main area displays a table of events with columns for 'Date/Time' and 'Event'. A yellow box highlights the 'Date of Event' dropdown menu, which is currently set to '2017/06'. A callout box shows the dropdown options: '2017/06', '2017/07', and '2017/08'. Below the table are buttons for 'Save', 'Clear...', and 'Help'. A yellow arrow points from the 'Save' button to a callout box labeled 'save.csv file'. Another yellow arrow points from the 'Date of Event' dropdown to a callout box labeled 'Check event by year/month'.

This screenshot shows the file management area of the NetAgent 9 Event Log. It displays a list of files: 'eventlog_201706.dat', 'eventlog_201707.dat', and 'eventlog_201708.dat'. Each file has a checkbox next to it. A yellow arrow points to the first file with a callout box labeled '1. Select dat. file to delete'. Below the list are buttons for 'Select All', 'Clear All', and 'Delete'. A yellow arrow points to the 'Delete' button with a callout box labeled '2. Delete'.

NetAgent Mini & NetAgent II

The screenshot shows the 'Event Log' section of the NetAgent Mini & NetAgent II interface. On the left is a navigation menu with 'Event Log' selected. The main area displays a table of events with columns for 'Date/Time' and 'Event'. At the bottom of the interface are buttons for 'Clear all log', 'Save', and 'Help'. A yellow arrow points from the 'Clear all log' button to a callout box labeled 'Clear all log'. Another yellow arrow points from the 'Save' button to a callout box labeled 'save.csv file'.

| Date/Time | Event |
|---------------------|---|
| 2017/06/27 18:10:21 | UPS passed internal self-test. |
| 2017/06/27 18:00:28 | UPS Test |
| 2017/06/27 17:54:55 | UPS communication has been established. |
| 2017/06/27 10:00:18 | UPS communication has been lost. |
| 2017/06/27 09:57:20 | UPS has switched to battery power. |
| 2017/06/27 09:57:17 | UPS communication has been established. |
| 2017/06/27 09:54:19 | UPS communication has been lost. |
| 2017/06/27 09:51:22 | UPS has switched to battery power. |
| 2017/06/27 09:49:31 | UPS communication has been established. |
| 2017/06/27 08:51:50 | NetSwitch Communication Lost |
| 2017/06/27 08:51:49 | UPS communication has been lost. |
| 2017/06/26 19:01:50 | Security5 Alarm |

■ Log Information > SMS Log

It shows SMS record of all mobile number, giving the Date/Time of the SMS sent and a detailed description of each. Log capacity is 1000 logs. When reach to the limit, it rewrites on the previous logs.

NetAgent 9 model of BX/BY can save the SMS log as csv file.

csv file as below

smslog_year/month.csv , e.g : smslog_201706.csv

NetAgent 9

The screenshot shows the NetAgent 9 interface with the 'Log Information > SMS Log' menu selected. A table displays the following data:

| Date/Time | Mobile Number | SMS Content |
|---------------------|---------------|--|
| 2017/06/27 18:34:28 | 0955055657 | UPS Agent(My Office)<192.168.66.102>.The UPS has returned from a low battery. |
| 2017/06/27 18:34:19 | 0917461725 | UPS Agent(My Office)<192.168.66.102>.The UPS has returned from a low battery. |
| 2017/06/27 18:34:09 | 0922725209 | UPS Agent(My Office)<192.168.66.102>.The UPS has returned from a low battery. |
| 2017/06/27 18:34:00 | 0955055657 | UPS Agent(My Office)<192.168.66.102>.The UPS has returned from a low battery. |
| 2017/06/27 18:33:51 | 0955055657 | UPS Agent(My Office)<192.168.66.102>.battery are very low.UPS will be shutdown |
| 2017/06/27 18:33:41 | 0917461725 | UPS Agent(My Office)<192.168.66.102>.battery are very low.UPS will be shutdown |
| 2017/06/27 18:33:32 | 0922725209 | UPS Agent(My Office)<192.168.66.102>.battery are very low.UPS will be shutdown |
| 2017/06/27 18:33:23 | 0955055657 | UPS Agent(My Office)<192.168.66.102>.battery are very low.UPS will be shutdown |
| 2017/06/27 18:33:14 | 0955055657 | UPS Agent(My Office)<192.168.66.102>.UPS communication has been established. |
| 2017/06/27 18:33:04 | 0917461725 | UPS Agent(My Office)<192.168.66.102>.UPS communication has been established. |
| 2017/06/27 18:32:55 | 0922725209 | UPS Agent(My Office)<192.168.66.102>.UPS communication has been established. |
| 2017/06/27 18:32:45 | 0955055657 | UPS Agent(My Office)<192.168.66.102>.UPS communication has been established. |
| 2017/06/27 18:28:12 | 0955055657 | TEST |

At the bottom, there is a 'Date of SMS' dropdown menu set to '2017/06', and a 'Save' button. A yellow arrow points from the text 'Check event by year/month' to the dropdown menu, and another yellow arrow points from the text 'save.csv file' to the 'Save' button.

NetAgent II 3PORTS

The screenshot shows the NetAgent II 3PORTS interface with the 'SMS Log' menu selected. A table displays the following data:

| Date/Time | Mobile Number | SMS Content |
|-------------------------------|--|-------------|
| 2017/06/28 18:57:310922725209 | UPS Agent(My Office)<192.168.66.102>.UPS communication has been lost. (Send SMS Failed!) | |
| 2017/06/28 18:56:100917461725 | UPS Agent(My Office)<192.168.66.102>.UPS communication has been lost. (Send SMS Failed!) | |
| 2017/06/28 18:54:490955055657 | UPS Agent(My Office)<192.168.66.102>.UPS communication has been lost. (Send SMS Failed!) | |
| 2017/06/27 19:13:420922725209 | UPS Agent(My Office)<192.168.66.103>.Utility power has been restored. | |
| 2017/06/27 19:13:090917461725 | UPS Agent(My Office)<192.168.66.103>.Utility power has been restored. | |
| 2017/06/27 19:12:360955055657 | UPS Agent(My Office)<192.168.66.103>.Utility power has been restored. | |
| 2017/06/27 19:12:030922725209 | UPS Agent(My Office)<192.168.66.103>.UPS has switched to battery power. | |
| 2017/06/27 19:11:300917461725 | UPS Agent(My Office)<192.168.66.103>.UPS has switched to battery power. | |
| 2017/06/27 19:10:570955055657 | UPS Agent(My Office)<192.168.66.103>.UPS has switched to battery power. | |

At the bottom right, there are 'Clear' and 'Help' buttons.

■ **Log Information > Data Log**

It records UPS Input Voltage/Output Voltage/ Frequency/ Loading/Capacity/ Temperature. When connects with NetFeeler, temperature, humidity will also be recorded. Log capacity is 5000 logs. When reach to the limit, it rewrites on the previous logs. Logs can be saved in CSV format by clicking on “Save Data Log”.

csv file name as below

NetAgent 9 → datalog_year/month.csv , e.g.:datalog_201706

NetAgent II → upsdata.cs

NetAgent 9 Mini & NetAgent 9

Log Information > Data Log

Data Log

Page number

| Date/Time | Input Volt.(V) | Output Volt.(V) | Freq. (Hz) | Load(%) | Capacity(%) | Battery Volt.(V) | Cell Volt.(V) | Temp. | Env. Temp. | Env. Humidity |
|---------------------|----------------|-----------------|------------|---------|-------------|------------------|---------------|---------------|---------------|---------------|
| 2017/06/25 22:39:38 | 220.1 | 220.1 | 50.0 | 10 | 100 | 325.20 | 27.10 | 30.1°C 86.1°F | 32.5°C 90.5°F | 71 |
| 2017/06/25 22:38:37 | 220.1 | 220.1 | 50.0 | 10 | 100 | 325.20 | 27.10 | 30.1°C 86.1°F | 32.5°C 90.5°F | 70 |
| 2017/06/25 22:37:36 | 220.1 | 220.1 | 50.0 | 10 | 100 | 325.20 | 27.10 | 30.1°C 86.1°F | 33.0°C 91.4°F | 69 |
| 2017/06/25 22:36:35 | 220.1 | 220.1 | 50.0 | 10 | 100 | 325.20 | 27.10 | 30.1°C 86.1°F | 33.5°C 92.3°F | 68 |
| 2017/06/25 22:35:34 | 220.1 | 220.1 | 50.0 | 10 | 100 | 325.20 | 27.10 | 30.1°C 86.1°F | 33.5°C 92.3°F | 68 |
| 2017/06/25 22:34:33 | 220.1 | 220.1 | 50.0 | 10 | 100 | 325.20 | 27.10 | 30.1°C 86.1°F | 33.5°C 92.3°F | 68 |
| 2017/06/25 22:33:32 | 220.1 | 220.1 | 50.0 | 100 | 100 | 325.20 | 27.10 | 30.1°C 86.1°F | 33.5°C 92.3°F | 68 |
| 2017/06/25 22:27:43 | 220.1 | 220.1 | 50.0 | 100 | 100 | 325.20 | 27.10 | 30.1°C 86.1°F | 32.5°C 90.5°F | 71 |
| 2017/06/25 22:26:24 | 220.1 | 220.1 | 50.0 | 10 | 100 | 325.20 | 27.10 | 30.1°C 86.1°F | 33.0°C 91.4°F | 71 |
| 2017/06/25 22:25:23 | 220.1 | 220.1 | 50.0 | 10 | 100 | 325.20 | 27.10 | 30.1°C 86.1°F | 33.0°C 91.4°F | 68 |

Save Data Log Clear Help

Check event by year/month

save csv.file

Log Information > Data Log

Data Log

- datalog_20170624.dat
- datalog_20170625.dat
- datalog_20170626.dat
- datalog_20170627.dat
- datalog_20170727.dat
- datalog_20170827.dat

1. Select dat. file to delete

2. Delete

Select All Clear All Delete

NetAgent Mini & NetAgent II

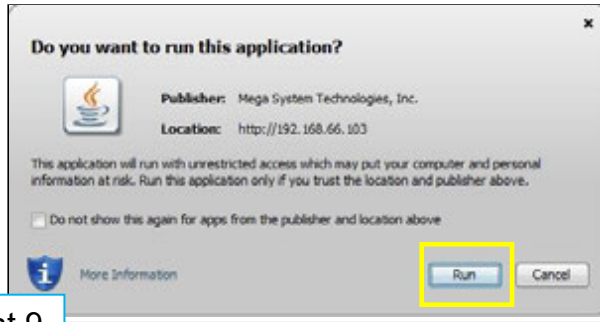
NetAgent Data Log

| 1 | | | | | | | | | |
|------------------|---------------------|-------------|--------------|------------|------|----------|---------------|---------------|---------------|
| | Date/Time | Input Volt. | Output Volt. | Freq. (Hz) | Load | Capacity | Temp. | Env. Temp. | Env. Humidity |
| Information | 2017/06/27 19:30:00 | 220.1 | 220.1 | 50.0 | 10 | 100 | 30.1°C 86.1°F | 26.4°C 79.5°F | 55% |
| Configuration | 2017/06/27 19:29:00 | 220.1 | 220.1 | 50.0 | 10 | 100 | 30.1°C 86.1°F | 26.4°C 79.5°F | 55% |
| Log Information | 2017/06/27 19:27:59 | 220.1 | 220.1 | 50.0 | 10 | 100 | 30.1°C 86.1°F | 25.9°C 78.6°F | 6C |
| Event Log | 2017/06/27 19:26:58 | 220.1 | 220.1 | 50.0 | 10 | 100 | 30.1°C 86.1°F | 25.9°C 78.6°F | 6C |
| Data Log | 2017/06/27 19:25:57 | 220.1 | 220.1 | 50.0 | 10 | 100 | 30.1°C 86.1°F | 25.9°C 78.6°F | 55% |
| Battery Test Log | 2017/06/27 19:24:57 | 220.1 | 220.1 | 50.0 | 10 | 100 | 30.1°C 86.1°F | 25.9°C 78.6°F | 55% |
| Help | 2017/06/27 19:23:56 | 220.1 | 220.1 | 50.0 | 10 | 100 | 30.1°C 86.1°F | 25.9°C 78.6°F | 55% |
| | 2017/06/27 19:10:23 | 220.1 | 220.1 | 50.0 | 10 | 100 | 30.1°C 86.1°F | 26.4°C 79.5°F | 55% |

Clear Save Data Log Help

■ **Log Information > Battery Test Log**

To record the UPS Self-Test and it shows in graphic. UPS Self-Test option is available under System Information > Remote Contro.

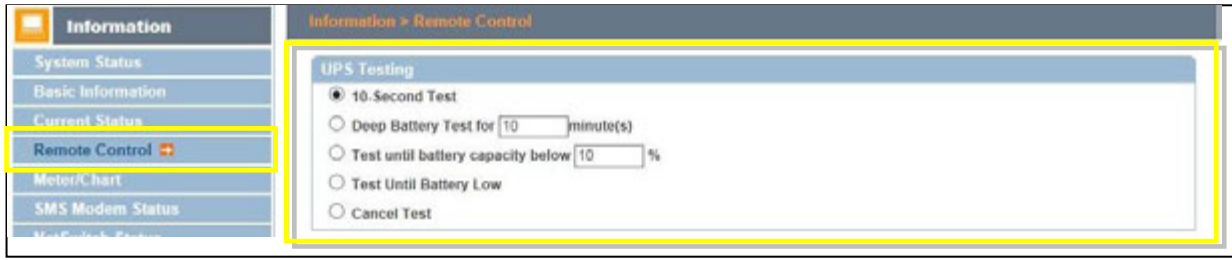
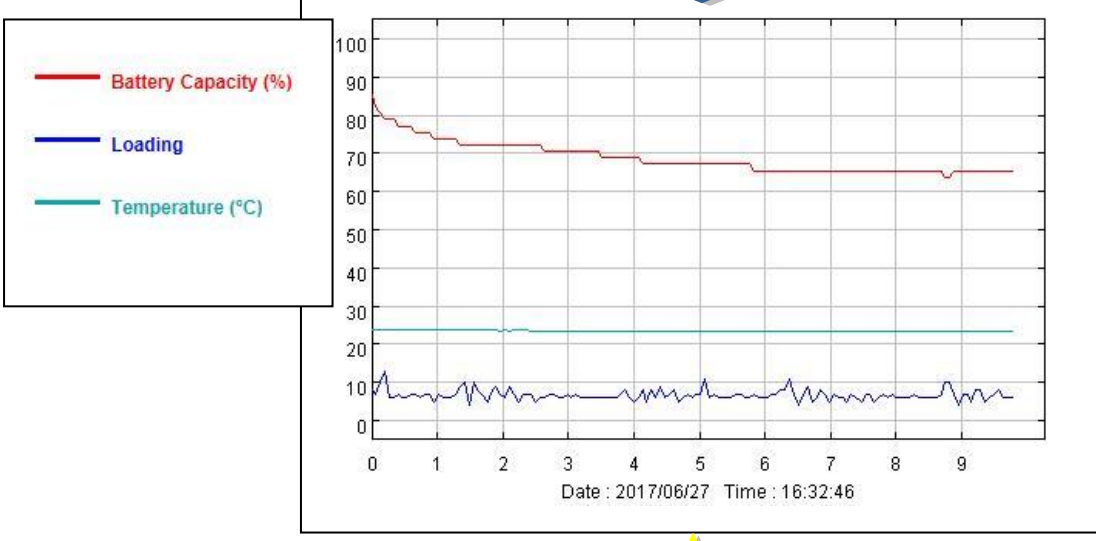


Log information > Battery Test Log

Battery Test Log

| Battery Testing Start Date/Time | Battery Testing Duration | Operation |
|---------------------------------|--------------------------|-------------|
| 2017/06/27 08:23:01 | 00:04:49 | Save Delete |
| 2017/06/27 16:32:46 | 00:09:46 | Save Delete |

Refresh Help



NetAgent Mini & NetAgent II



The screenshot shows the 'Remote Control' interface in NetAgent. The left navigation menu has 'Remote Control' selected. The main area displays the 'UPS Testing' configuration panel, which is highlighted with a yellow border. The panel contains several radio button options for testing: '10-Second Test' (selected), 'Deep Battery Test for 10 minute(s)', 'Test until battery capacity below 10%', 'Test Until Battery Low', and 'Cancel Test'. A yellow arrow points from the 'Remote Control' menu item to the 'UPS Testing' panel.

UPS Testing

- 10-Second Test
- Deep Battery Test for 10 minute(s)
- Test until battery capacity below 10%
- Test Until Battery Low
- Cancel Test

■ Help > Search NetAgent

This to display all the found NetAgent within network with its serial number; Mac Address; Hardware/Firmware version and its IP address. Double click on the highlighted unit to open the webpage of such device.

NetAgent 9 Mini & NetAgent 9

| Device | MAC Address | Hardware | Firmware | IP Address |
|------------|-------------------|----------|-----------------|----------------|
| 3926404591 | 00:03:EA:08:2D:EF | HBT506 | 2.48.BT506.EAST | 192.168.66.102 |
| 3927177694 | 00:03:EA:13:F9:DE | HDY520 | 3.5.DY520.a | 192.168.66.104 |

NetAgent Mini & NetAgent II

| Device | MAC Address | Hardware | Firmware | IP Address |
|------------|-------------------|----------|-------------|----------------|
| 3927177694 | 00:03:EA:13:F9:DE | HDY520 | 3.5.DY520.a | 192.168.66.104 |
| 3927225097 | 00:03:EA:14:83:09 | HBY506 | 3.5.BY506 | 192.168.66.103 |

■ Help > Serial Port Debug

It shows the communication status between NetAgent and UPS by Sent and Received columns. Command can send automatically by NetAgent, or manually enter the command to UPS. (Java is required)

Port Information

This is to configure the communication parameter between NetAgent and UPS. Parameters are Debug Mode; Port; Speed (Baud), Data Bits;Parity and Stop Bits. Two encoding formats: ASCII or Hexadecimal.

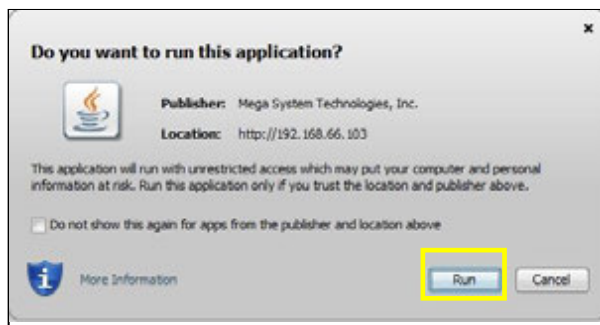
If Debug mode is set as manually, user may enter its parameter under Send Contents column.

Sent Information

This column shows the real time sent command

Received Information

This display the response that NetAgent receives from UPS



NetAgent 9 Mini & NetAgent 9



Information
Configuration
Log Information
Help
 Search NetAgent
 Serial Port Debug
 Help
 About

Help > Serial Port Debug

Port Information | **Debug Information**

ASCII Hexadecimal

Send Content:

Sent Information

```

PM 06:09:58: Q1v
PM 06:09:58: Iv
PM 06:09:58: Fv
PM 06:10:01: Q1v
PM 06:10:01: Iv
PM 06:10:01: Q1v
PM 06:10:03: Iv
PM 06:10:03: Fv
PM 06:10:03: Q1v
PM 06:10:05: Iv
PM 06:10:05: Fv
PM 06:10:05: Q1v
  
```

Received Information

```

PM 06:09:29: #110.0 009 036.0 60.0v
PM 06:09:29: (109.6 109.4 109.9 006 60.0 2.27 22.9 00000001v
PM 06:09:29: # LV 1K 00019.12 v
PM 06:09:29: #110.0 009 036.0 60.0v
PM 06:09:29: (109.4 109.3 110.1 006 60.0 2.27 22.9 00000001v
PM 06:09:29: # LV 1K 00019.12 v
PM 06:09:29: #110.0 009 036.0 60.0v
PM 06:09:29: (109.0 109.2 109.4 006 60.0 2.27 22.9 00000001v
PM 06:09:29: # LV 1K 00019.12 v
PM 06:09:29: #110.0 009 036.0 60.0v
PM 06:09:29: (109.3 108.9 109.8 005 60.0 2.27 22.9 00000001v
PM 06:09:29: # LV 1K 00019.12 v
PM 06:09:29: #110.0 009 036.0 60.0v
  
```

Send command Manually

NetAgent Mini & NetAgent II

NetAgent

Serial Ports Debug

Information
Configuration
Log Information
Help
 Search NetAgent
 Serial Port Debug
 Help
 About

Port Information

Debug Mode: Auto Port: UPS
 Speed(baud): 2400 Data Bits: 8
 Parity: None Stop Bits: 1 Bit

Apply Help

ASCII Hexadecimal

Send Content:

Sent Information

```

PM 05:57:09: Iv
PM 05:57:09: Fv
PM 05:57:09: Q1v
PM 05:57:09: Iv
PM 05:57:09: Fv
PM 05:57:09: Q1v
PM 05:57:12: Iv
PM 05:57:12: Fv
PM 05:57:12: Q1v
PM 05:57:12: Iv
PM 05:57:14: Fv
PM 05:57:14: Q1v
PM 05:57:14: Iv
  
```

Received Information

```

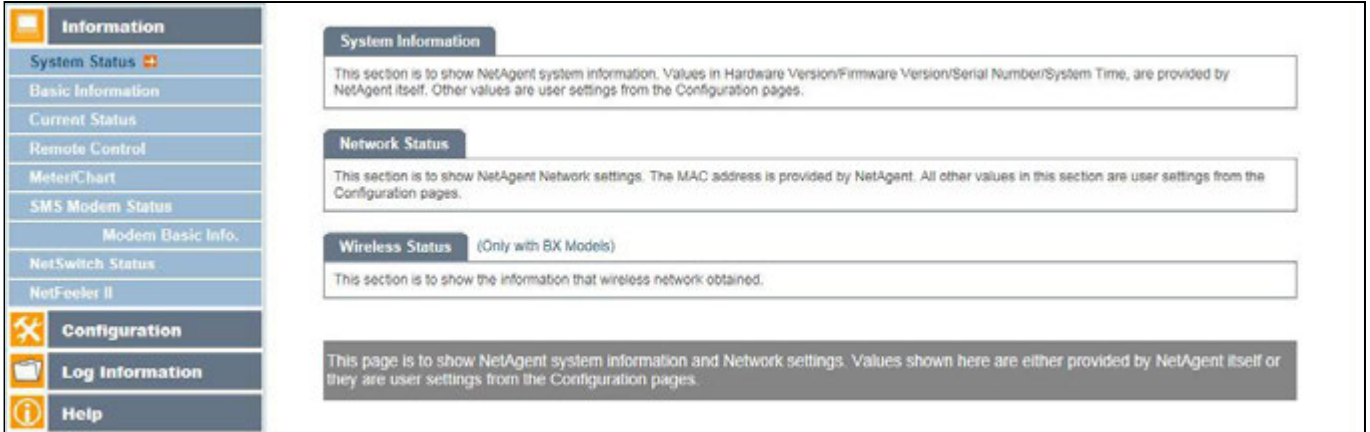
PM 05:57:52: (107.1 107.4 109.5 005 59.9 2.27 22.9 00000001v
PM 05:57:52: # LV 1K 00019.12 v
PM 05:57:52: #110.0 009 036.0 60.0v
PM 05:57:52: (107.8 107.3 109.6 005 59.9 2.27 22.9 00000001v
PM 05:57:52: # LV 1K 00019.12 v
PM 05:57:52: #110.0 009 036.0 60.0v
PM 05:57:52: (107.6 107.2 109.7 006 59.9 2.27 22.9 00000001v
PM 05:57:52: # LV 1K 00019.12 v
PM 05:57:52: #110.0 009 036.0 60.0v
PM 05:57:55: #110.0 009 036.0 60.0v
PM 05:57:55: (107.3 107.5 109.8 006 59.9 2.27 22.9 00000001v
PM 05:57:55: # LV 1K 00019.12 v
PM 05:57:55: #110.0 009 036.0 60.0v
  
```

Send Command Manually

■ Help > Help

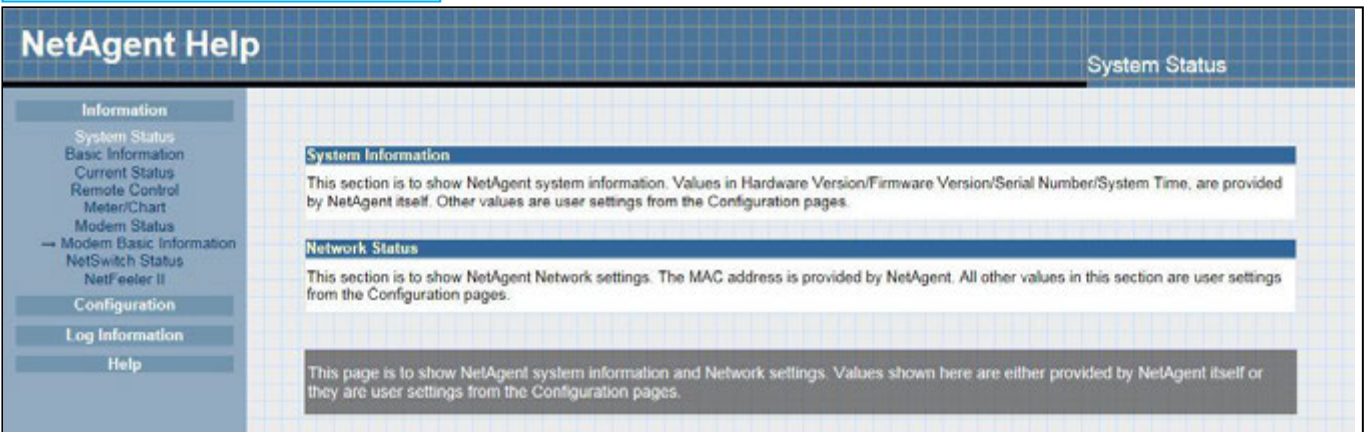
This is to help to illustrate each feature/option that NetAgent offers

NetAgent 9 Mini & NetAgent 9



The screenshot shows the 'Help' section of the NetAgent 9 Mini & NetAgent 9 interface. On the left is a navigation menu with categories: Information, Configuration, Log Information, and Help. Under 'Information', items include System Status, Basic Information, Current Status, Remote Control, Meter/Chart, SMS Modem Status, Modem Basic Info., NetSwitch Status, and NetFeeler II. The main content area is titled 'System Information' and contains three sections: 'System Information' (describing hardware/firmware/serial numbers and system time), 'Network Status' (describing network settings and MAC address), and 'Wireless Status' (noting it's only for BX models and showing wireless network info). A summary paragraph at the bottom states that the page shows system and network settings, with values either from NetAgent itself or user settings.

NetAgent Mini & NetAgent II



The screenshot shows the 'Help' section of the NetAgent Mini & NetAgent II interface. The page has a blue header with 'NetAgent Help' on the left and 'System Status' on the right. A navigation menu on the left lists: Information, System Status, Basic Information, Current Status, Remote Control, Meter/Chart, Modem Status, Modem Basic Information, NetSwitch Status, NetFeeler II, Configuration, Log Information, and Help. The main content area is titled 'System Information' and contains three sections: 'System Information' (describing hardware/firmware/serial numbers and system time), 'Network Status' (describing network settings and MAC address), and a summary paragraph at the bottom stating that the page shows system and network settings, with values either from NetAgent itself or user settings.

■ Help > About

About

It shows NetAgent's hardware/firmware and serial number.

Save/Restore Settings

Save Current Configuration

Click on Save to save the configuration to your PC. The text file will have a default format of YYYY_MMDD_####.cfg. Administrator permission required.

Restore previous configuration

Use this function to restore a *.cfg configuration that has been saved earlier. Click Browse... to the location of the file and click **Restore**.

Reset to factory default

This function will reset all settings to its default value.

NetAgent 9 Mini & NetAgent 9

Information
Configuration
Log Information
Help
Search NetAgent
Serial Port Debug
Help
About

Help > About
About | Firmware Update Settings

About

| | |
|------------------|------------|
| Firmware Version | 3.5.BY506 |
| Hardware Version | HBY506 |
| Serial Number | 3927225097 |

Save/Restore Settings

Save current configuration

Restore previous configuration

Reset to factory default

Mega System Technologies, Inc.
Tel. +886-2-87922060 Fax: +886-2-87922066
E-mail: netagent@megatec.com.tw
http://www.megatec.com.tw

Firmware Update Settings

Default FTP server is set as ftp.icv99.com with its username/password. Click on Update Now, NetAgent will connect to the FTP server and upgrade to the latest firmware version accordingly. Or, it could upgrade per preset time

Information
Configuration
Log Information
Help
Search NetAgent
Serial Port Debug
Help
About

Help > About
About | Firmware Update Settings

FTP Server

User

Password

Auto Update Every At (Hour : Minute)

Update Firmware from FTP Client

Mega System Technologies, Inc.
Tel. +886-2-87922060 Fax: +886-2-87922066
E-mail: netagent@megatec.com.tw
http://www.megatec.com.tw

To enable NetAgent's FTP firmware upgrade, please download the appropriate firmware version from the website and upgrade through FTP Client Software.

NetAgent Mini & NetAgent II

The screenshot shows the NetAgent web interface. On the left is a navigation menu with options: Information, Configuration, Log Information, and Help. The main content area is titled 'About' and contains several sections:

- About:** Firmware Version (2.48 BT506.EAST), Hardware Version (HBT506), Serial Number (3926404591).
- Save/Restore Settings:** Buttons for 'Save', 'Restore*' (with a file selection button), and 'Reset'.
- Firmware Update Settings:** A section highlighted with a yellow box containing:
 - FTP Server: ftp.icv99.com
 - User: netageast
 - Password: [masked]
 - Buttons: 'Update Now >>' and 'Apply'
 - Auto Update: Every [NO] At [02:00] (Hour : Minute) with an 'Apply' button.
- Update Firmware from FTP Client:** A section highlighted with a green box containing:
 - Update Firmware from FTP Client: [Enable] with an 'Apply*' button.
 - A warning: '* System will reboot when these items have been Applied'.
 - A 'Firmware Update' button.

At the bottom right, contact information for Mega System Technologies, Inc. is provided: Tel: +886-2-87922060, Fax: +886-2-87922066, E-mail: netagent@megatec.com.tw, and http://www.megatec.com.tw.

Update Firmware from FTP Client

-Select on Enable

-Download the appropriate firmware version from website
<http://www.megatec.com.tw>

-Unzip the file and know the directory path

The screenshot shows the 'NetAgent 9' firmware download page. It includes a navigation menu on the left with links for Software Downloads, Technical Support & FAQ, Online Ordering, and Shipment Tracking. The main content area provides a 'NetAgent Firmware download procedure' with three steps:

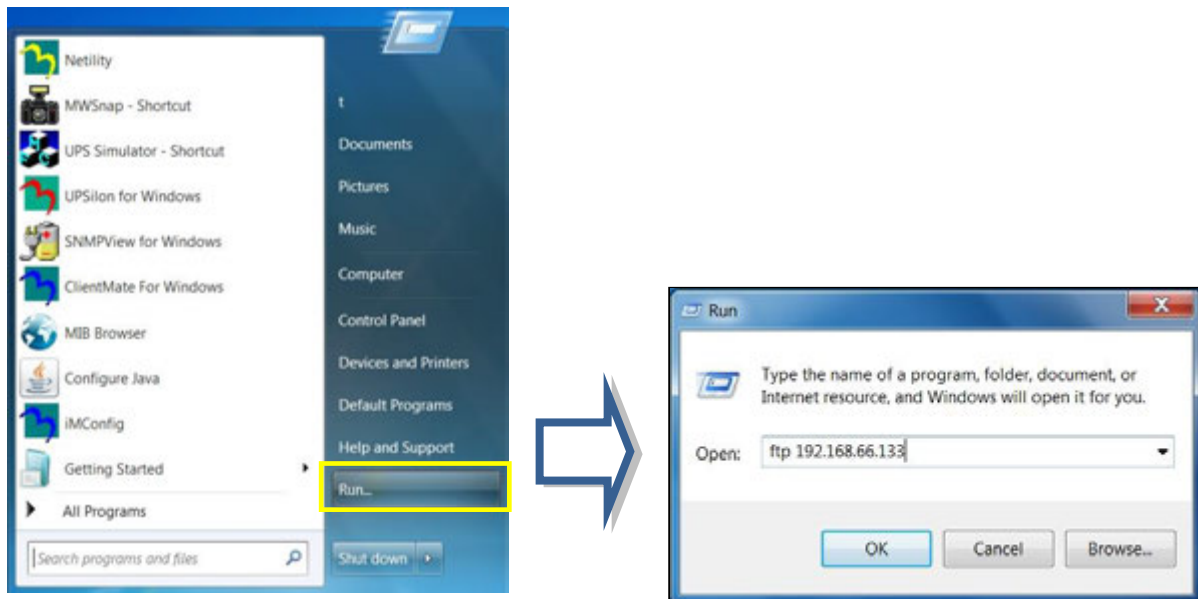
- Check your CURRENT FIRMWARE Version.
- Locate your MODEL NUMBER shown at the bottom of your NetAgent device.
- Choose the correct firmware version corresponding to your Model Number.

A note says: 'Please download the Firmware corresponding to your Model Type from the table below.' Below this is a table:

| Model | Firmware name | Release Date |
|-------|-----------------|---------------------|
| DY520 | 3.5.DY520_a.zip | 23rd December, 2016 |
| DL520 | 3.5.DL520.zip | 23rd December, 2016 |
| CY504 | 3.5.CY504.zip | 23rd December, 2016 |
| BY506 | 3.5.BY506.zip | 23rd December, 2016 |
| DX520 | 3.5.DX520.zip | 23rd December, 2016 |
| CX504 | 3.5.CX504.zip | 23rd December, 2016 |
| BX506 | 3.5.BX506.zip | 23rd December, 2016 |

A red arrow points from the table to a computer icon at the bottom right of the page.

-Execute ftp + NetAgent's IP address



-FTP login

```
Connected to 192.168.66.133.
220 Service ready for new user
User (192.168.66.133:(none)): admin
331 need password
Password:
230 OK
ftp> ls
200 Port command successful.
150 Opening ASCII mode data connection for file list
3.4.BY506.bin
226 Transfer complete.
ftp: 15 bytes received in 0.00Seconds 15000.00Kbytes/sec.
ftp> put d:\fw\3.5.BY506.bin
200 Port command successful.
150 Opening data connection for 3.5.BY506.bin
226 file received ok.
ftp: 7733248 bytes sent in 8.52Seconds 907.87Kbytes/sec.
ftp> quit
```

1. Enter username/password that configured on Netility

2. Enter command ls to show available firmware bin file

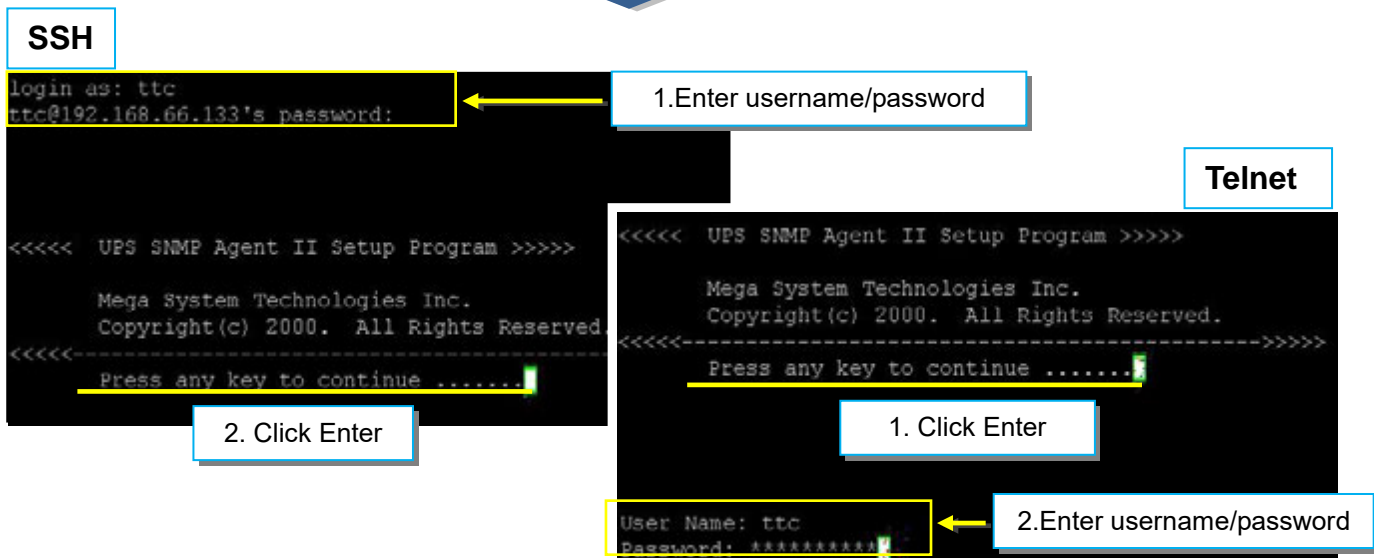
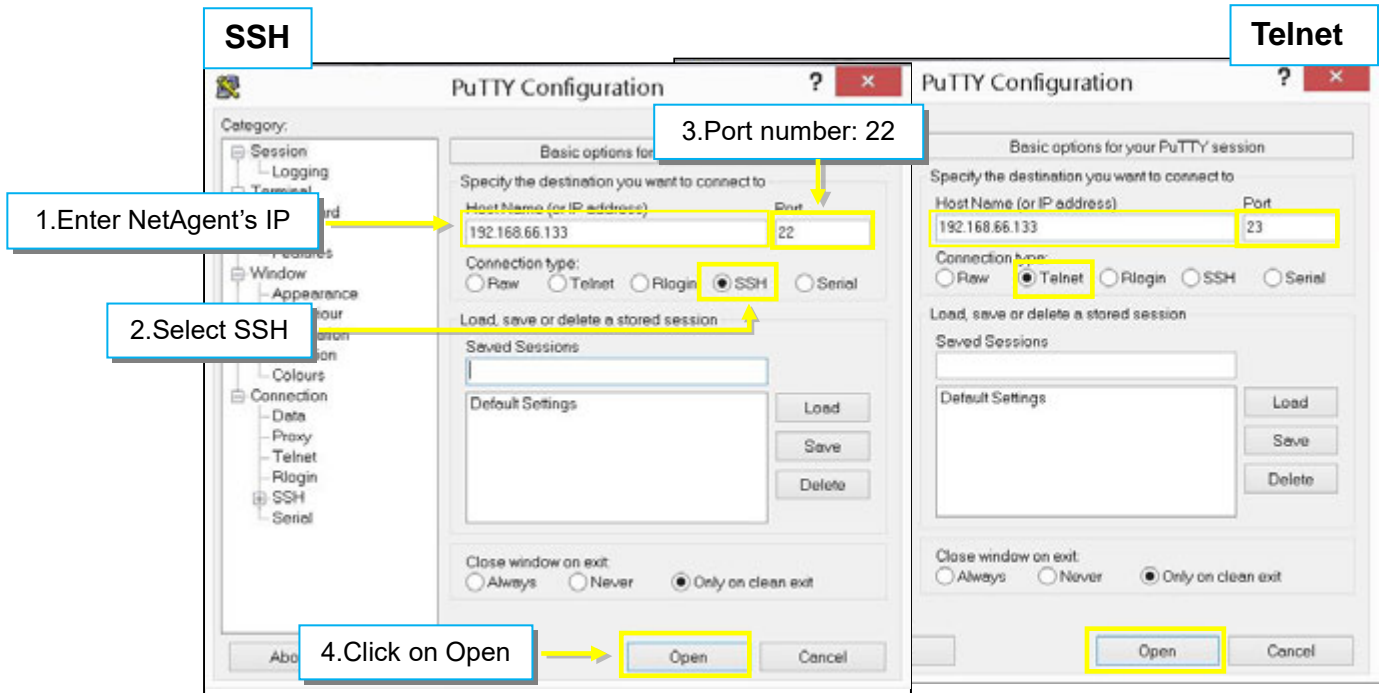
3. Enter put command with bin file directory

4. Once complete, enter command quit

Chapter 5. Telnet/ SSH

Despite to login to the NetAgent's webpage, it could also access via Telnet or SSH

- ✳️ Ensure NetAgent port 22 is enabled when using SSH connection and username/password are required.
- ✳️ When using Telnet, port 23 must be enabled



Enter to the Main Menu and enter the number of the option under **Select =>** and press ENTER

```
<<<<<          Main Menu          >>>>>
<----->
1. Set IP Address.
2. Set SNMP MIB System.
3. Set SNMP Access Control.
4. Set SNMP Trap Notification.
5. Set UPS Properties.
6. Set UPS Devices Connected.
7. Set System Time & Time Server.
8. Set Web and Telnet User Account.
9. Set E-mail.
a. Reset Configuration to Default & Reboot
b. Set Environment Group.
c. Save & Reboot.
0. Exit Without Saving.

Select => 1  ← Select
```

1.Set IP Address :

This function allows you to setup IP Address, Gateway Address, Subnet Mask

2.Set SNMP MIB System :

To set the MIB system group parameters.

3.Set SNMP Access Control :

To set the Manager IP, Community, Access Permission.

4.Set SNMP Trap Notification :

To set Trap notification

5.Set UPS Properties :

To setup the Communication Type of UPS, UPS Device Name and Battery Replacement Date.

6.Set UPS Device Connect :

To setup the System Name, Rating which connected., Connected.

7.Set System Time & Time Server :

To setup the System date, time and two time servers.

8.Set Web and Telnet user Account :

This is allows to set users account's authority.

9.Set E-mail :

To set e-mail accounts to receive power event notification for emergency management.

a.Reset configuration to Default & Reboot :

Set all values to their default settings.

b.Set Environment Group :

To set critical value for environmental sensor

c.Save & Reboot :

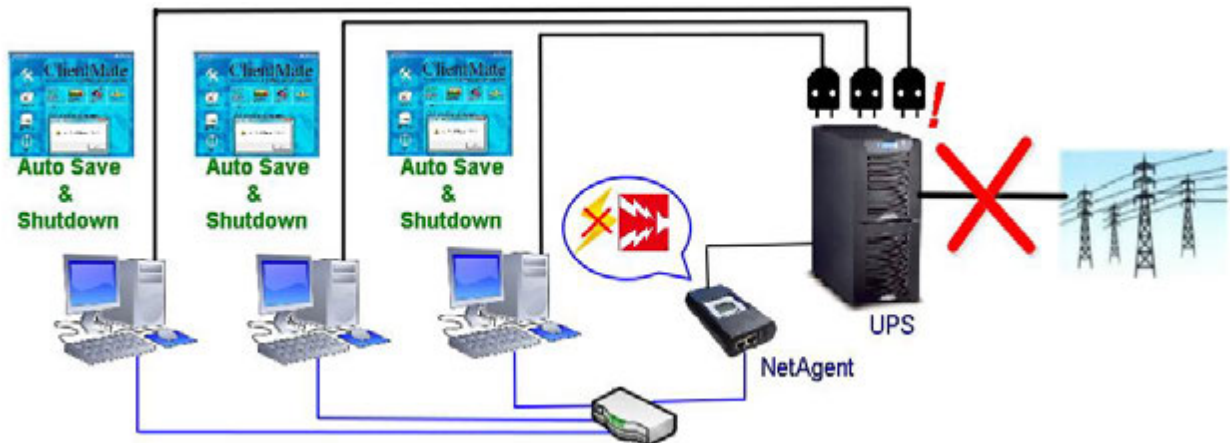
Save the current configuration data, including any changes you have made, and reboot the Net Agent.

0.Exit Without Saving :

Exit, all configuration changes will be lost

Chapter 6. ClientMate

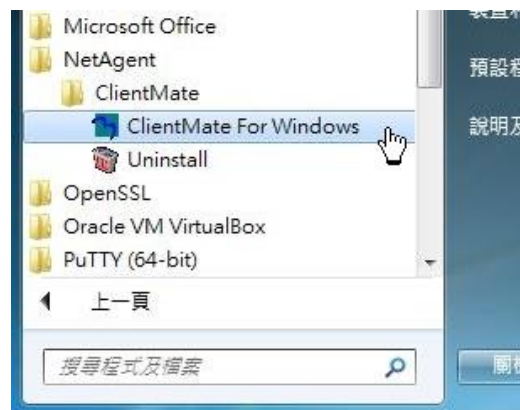
ClientMate is shutdown software for PC that connects with NetAgent. This utility is for the Windows platform. When the ClientMate gets the power failure signal from the NetAgent. The ClientMate will save the files and shutdown the system gracefully. When the hardware installation of the NetAgent has been completed, install the ClientMate on any of the Windows system on the network. When ClientMate detects AC Fail, Battery Low, Schedule Shutdown signals from the NetAgent, it will save the file and shutdown the system gracefully to avoid system crash.



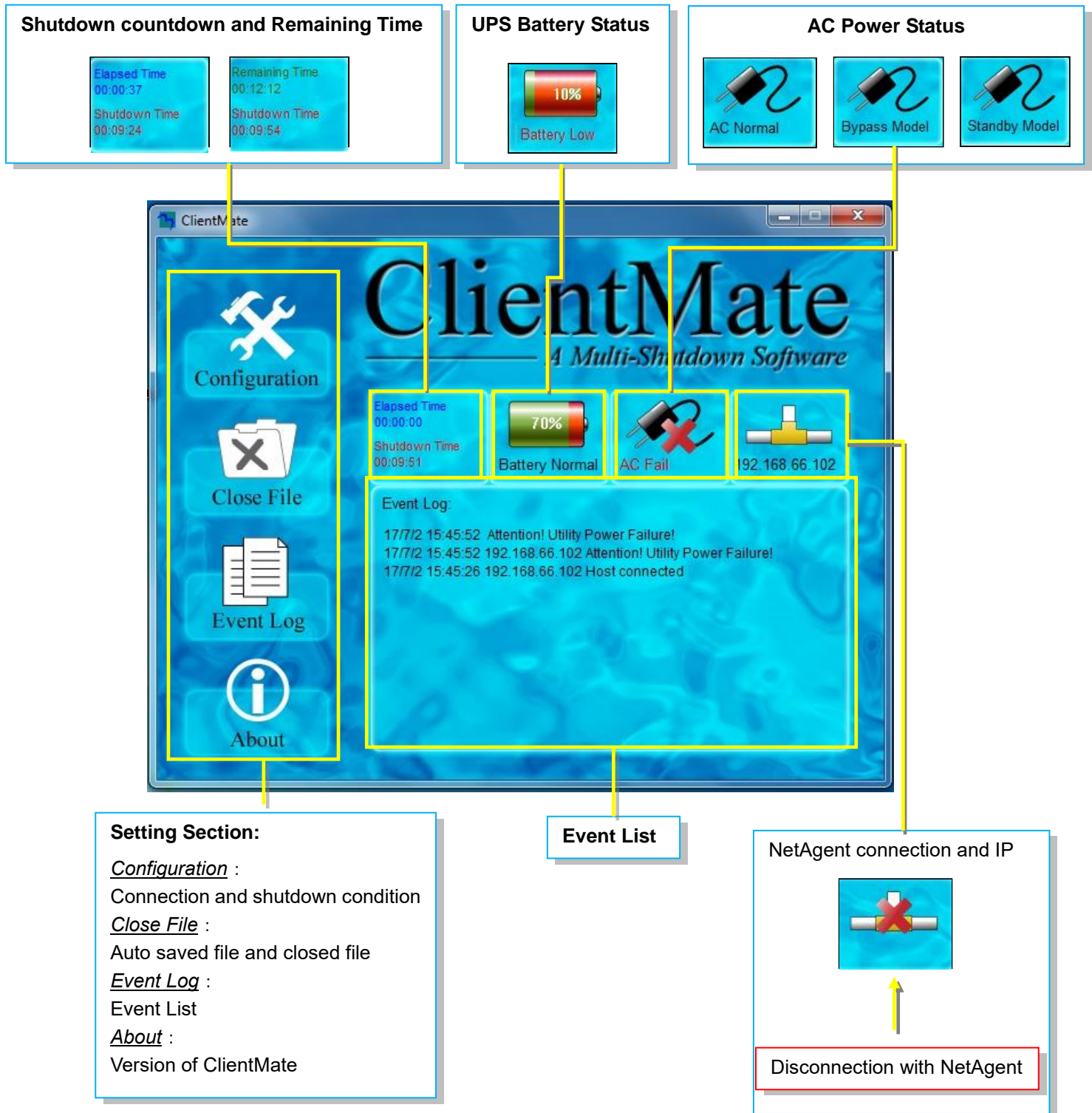
Installation and setup

ClientMate software is available in the CD provided with NetAgent. After installed, it save under directory of

All Program > NetAgent > ClientMate > ClientMate for Windows



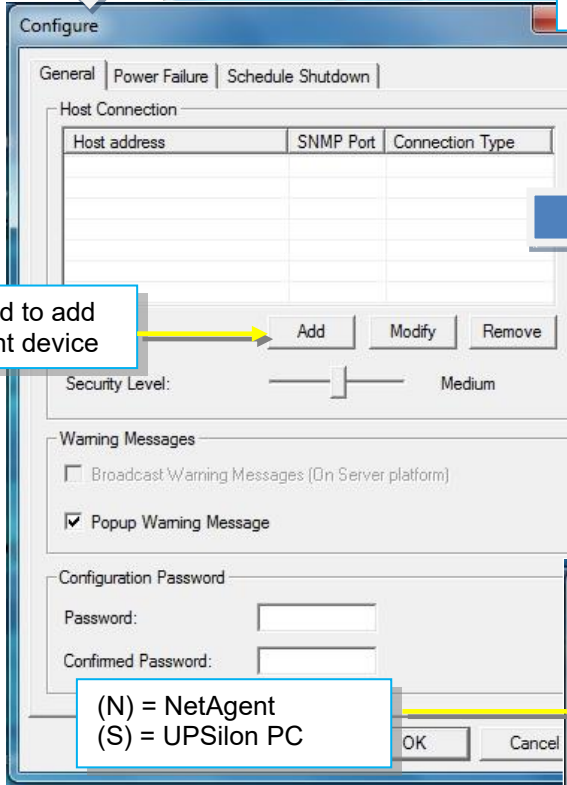
Operation Interface



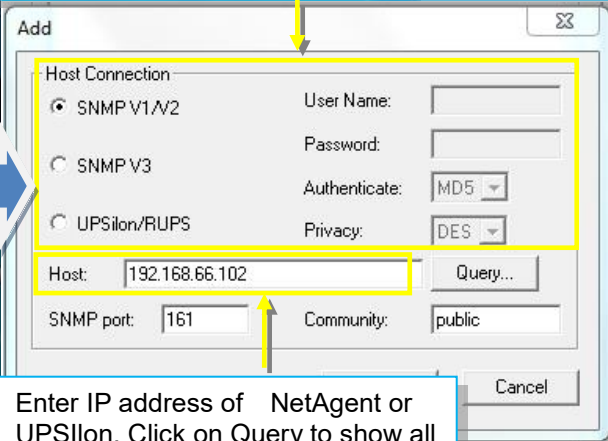
Configuration



To select connection via SNMP or UPSilon. If SNMPV3 , username/password, Authenticate, privacy are required

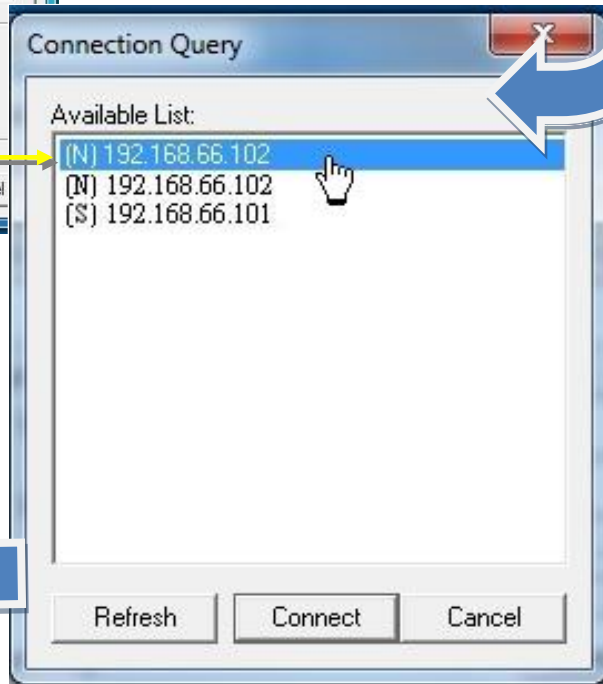


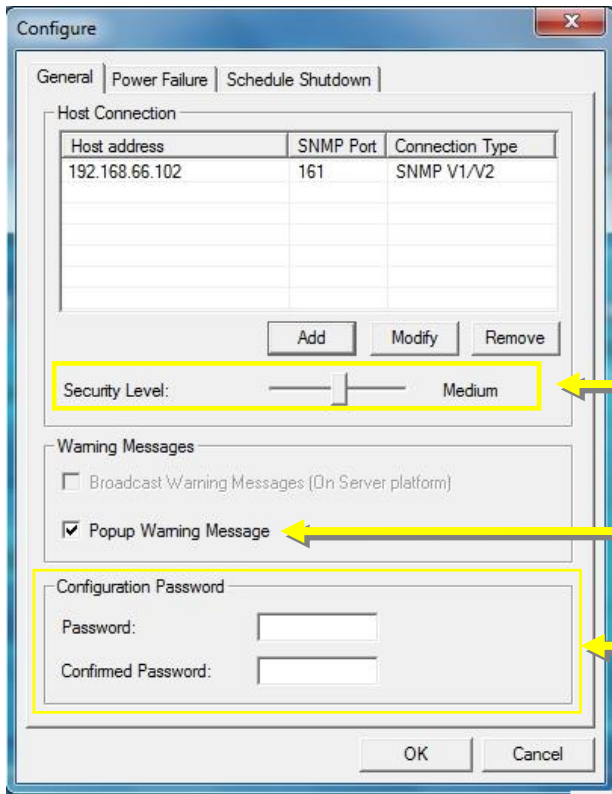
Click Add to add NetAgent device



Enter IP address of NetAgent or UPSilon. Click on Query to show all available NetAgent

(N) = NetAgent
(S) = UPSilon PC





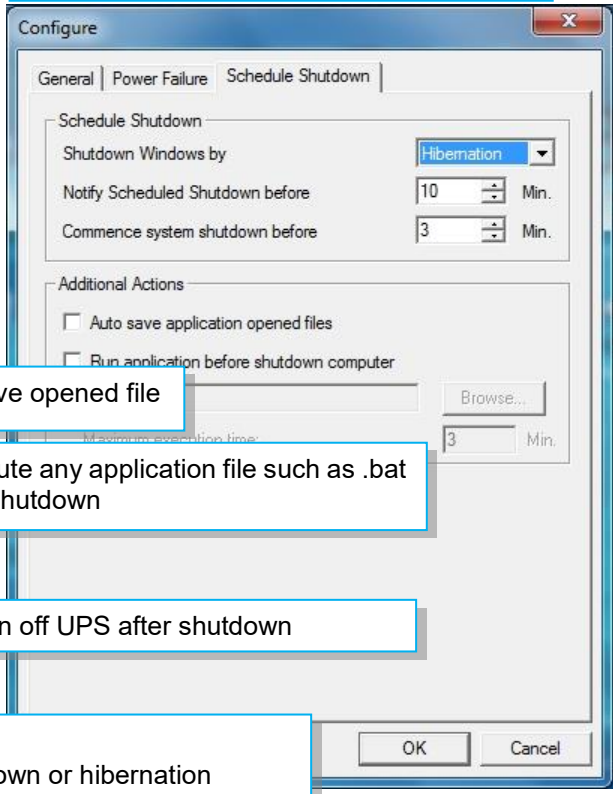
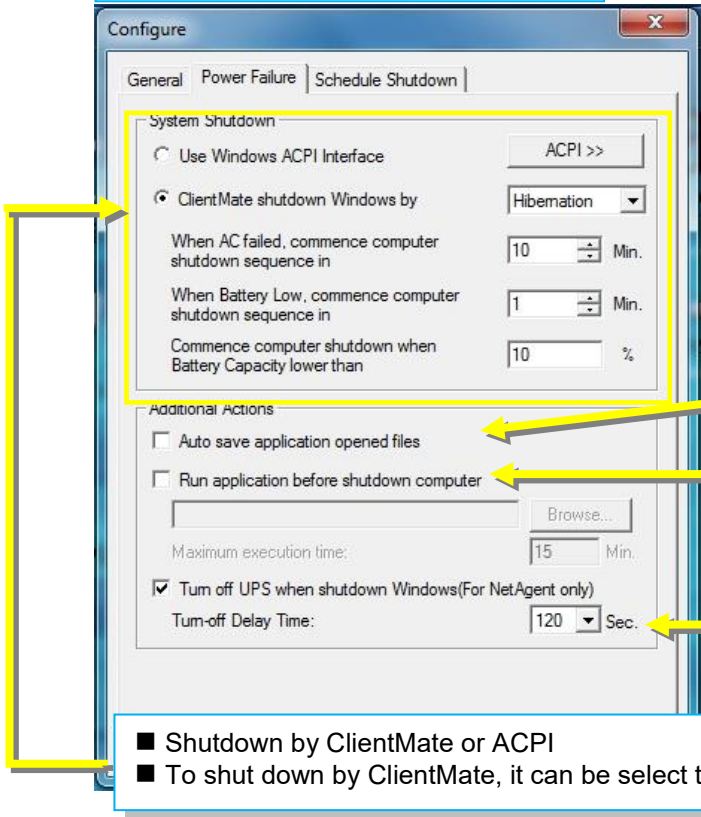
If connect with multi NetAgent, shutdown condition can be perform by security level.
 Low : All NetAgent with AC failure condition
 Medium : 50% NetAgent device has AC failure condition
 High : AC failure from any/single NetAgent would shutdown

If to have pop warning message

If password is required for any configuration change

Power Failure/Shutdown Condition

Shutdown by Scheduling

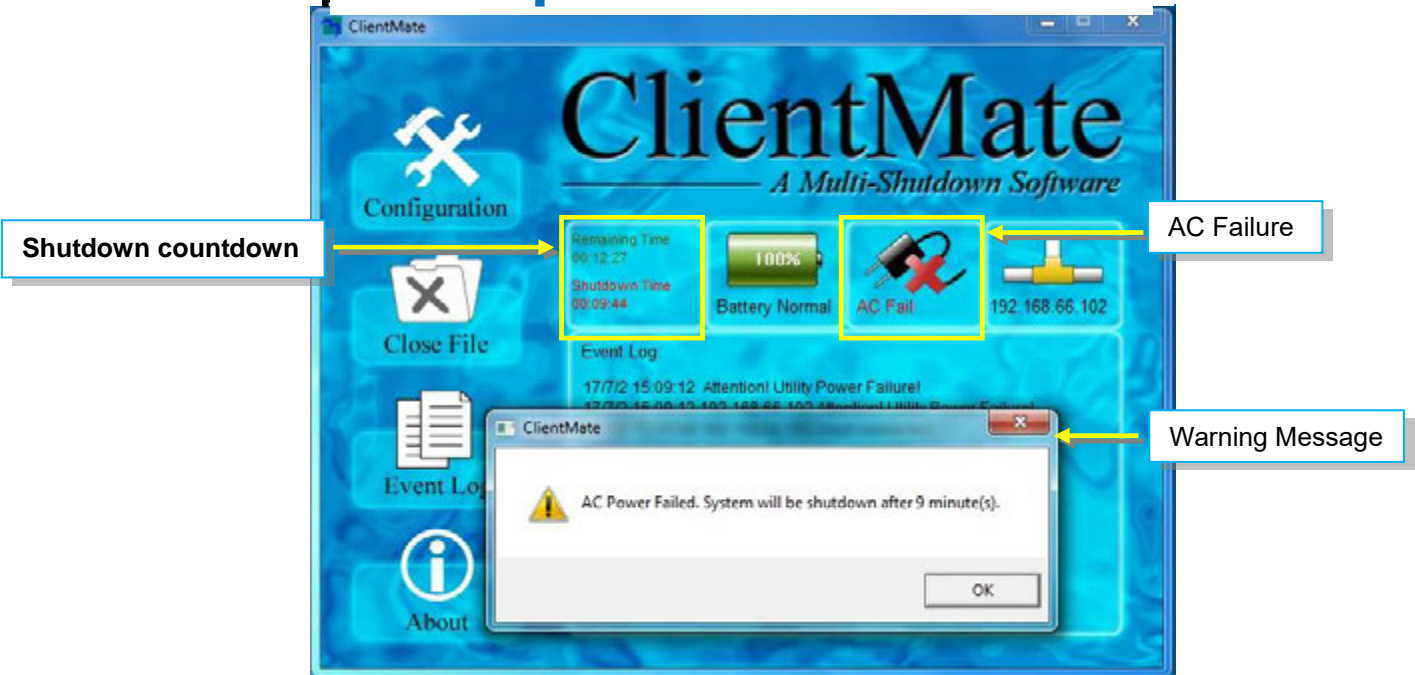
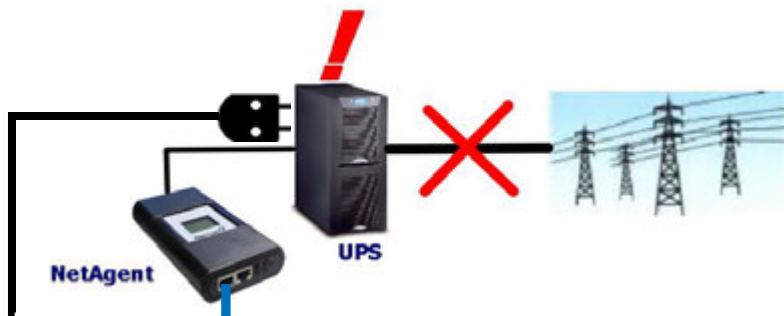
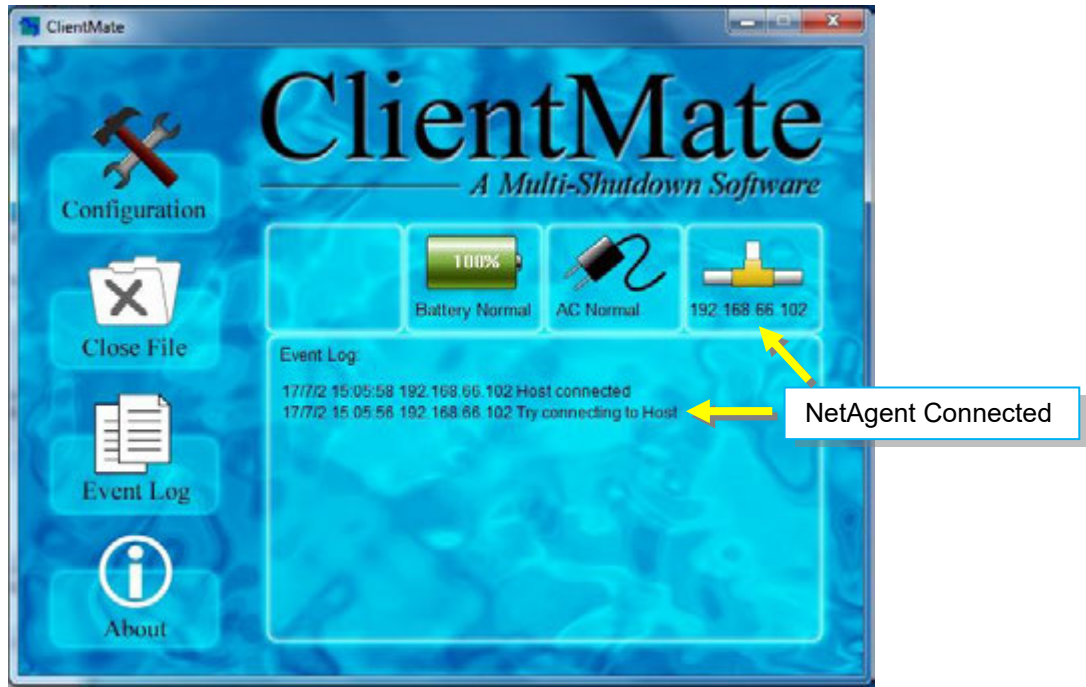


Auto save opened file

To execute any application file such as .bat before shutdown

To turn off UPS after shutdown

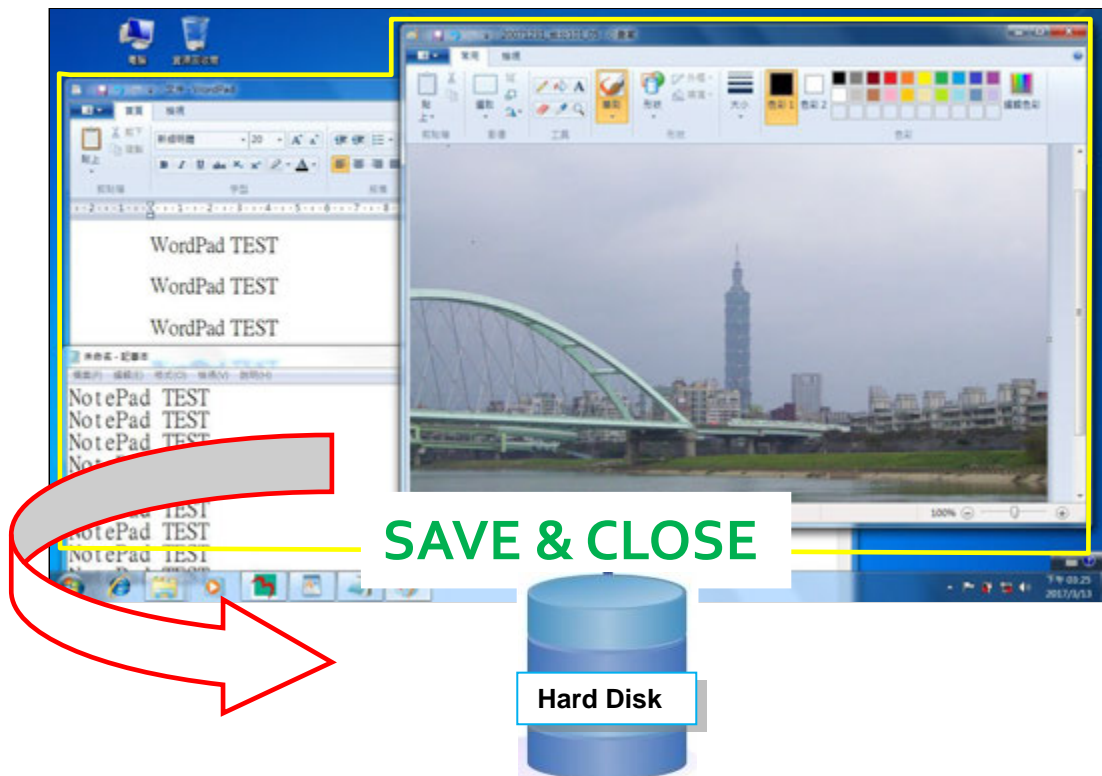
- Shutdown by ClientMate or ACPI
- To shut down by ClientMate, it can be select to be shut down or hibernation



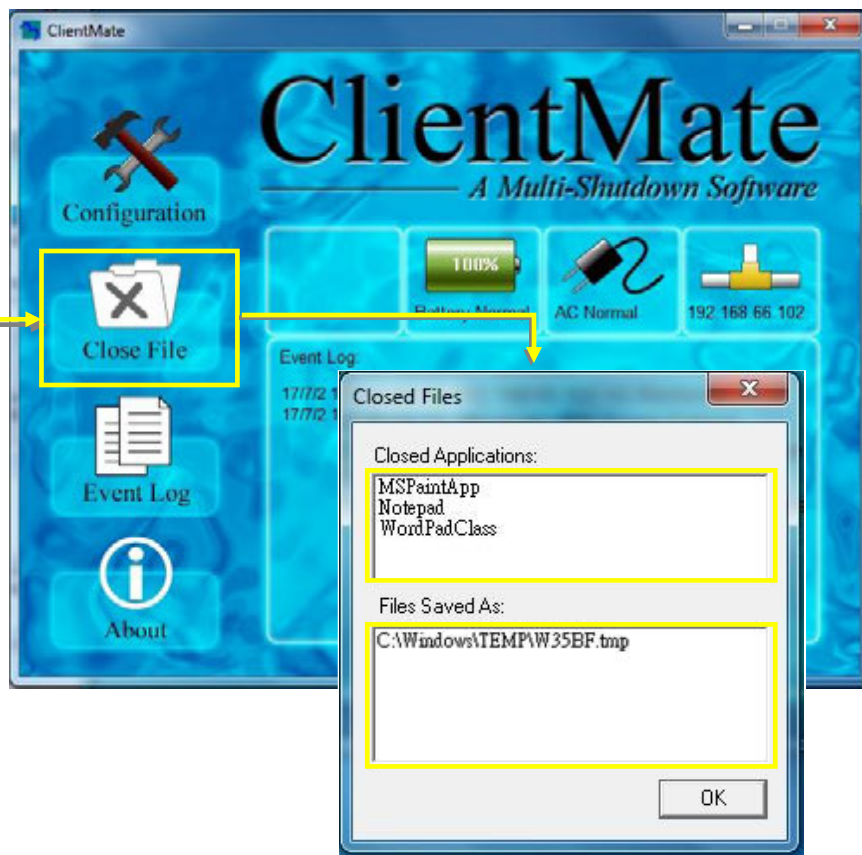
Close File



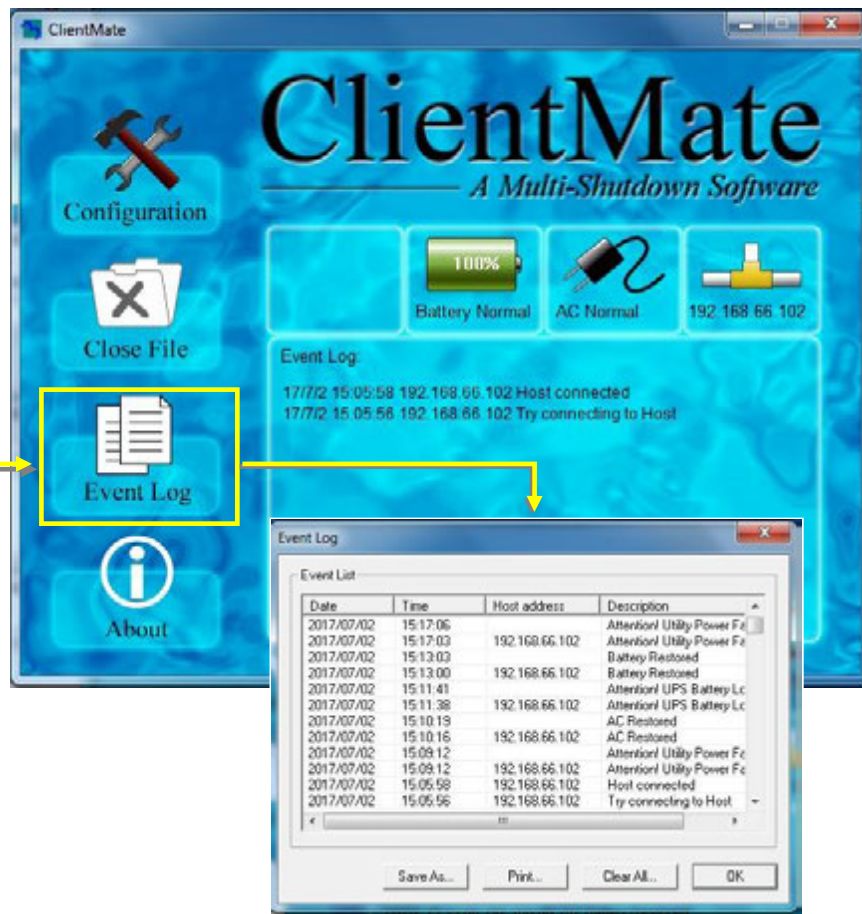
If select to auto save file before shutdown, ClientMate will save the file and file can be check from Closed File



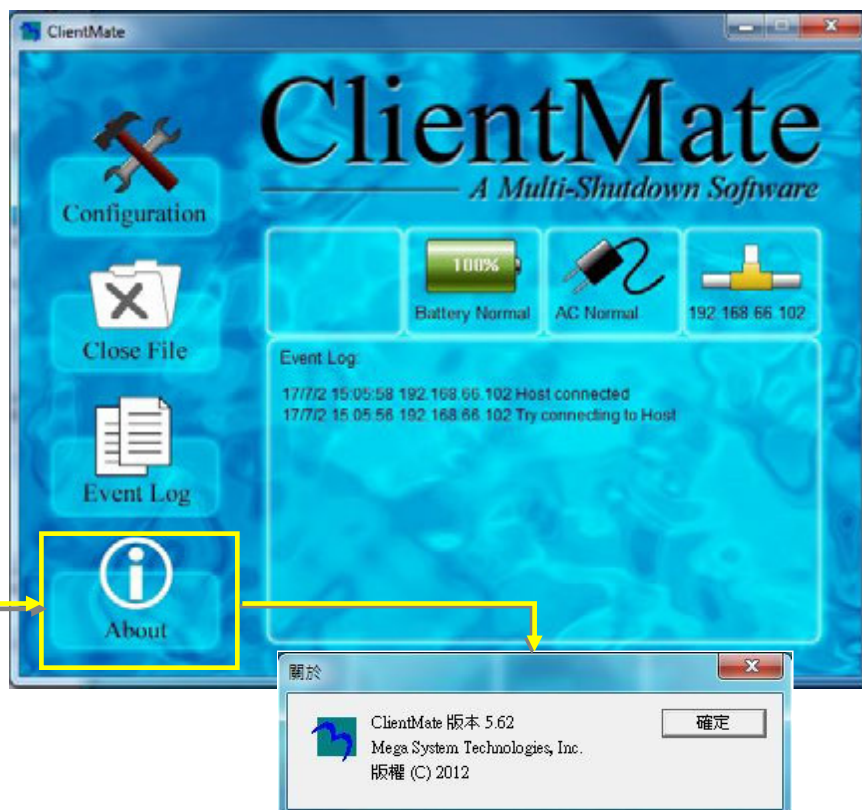
Closed Application or Files Saved As



Event Log



About



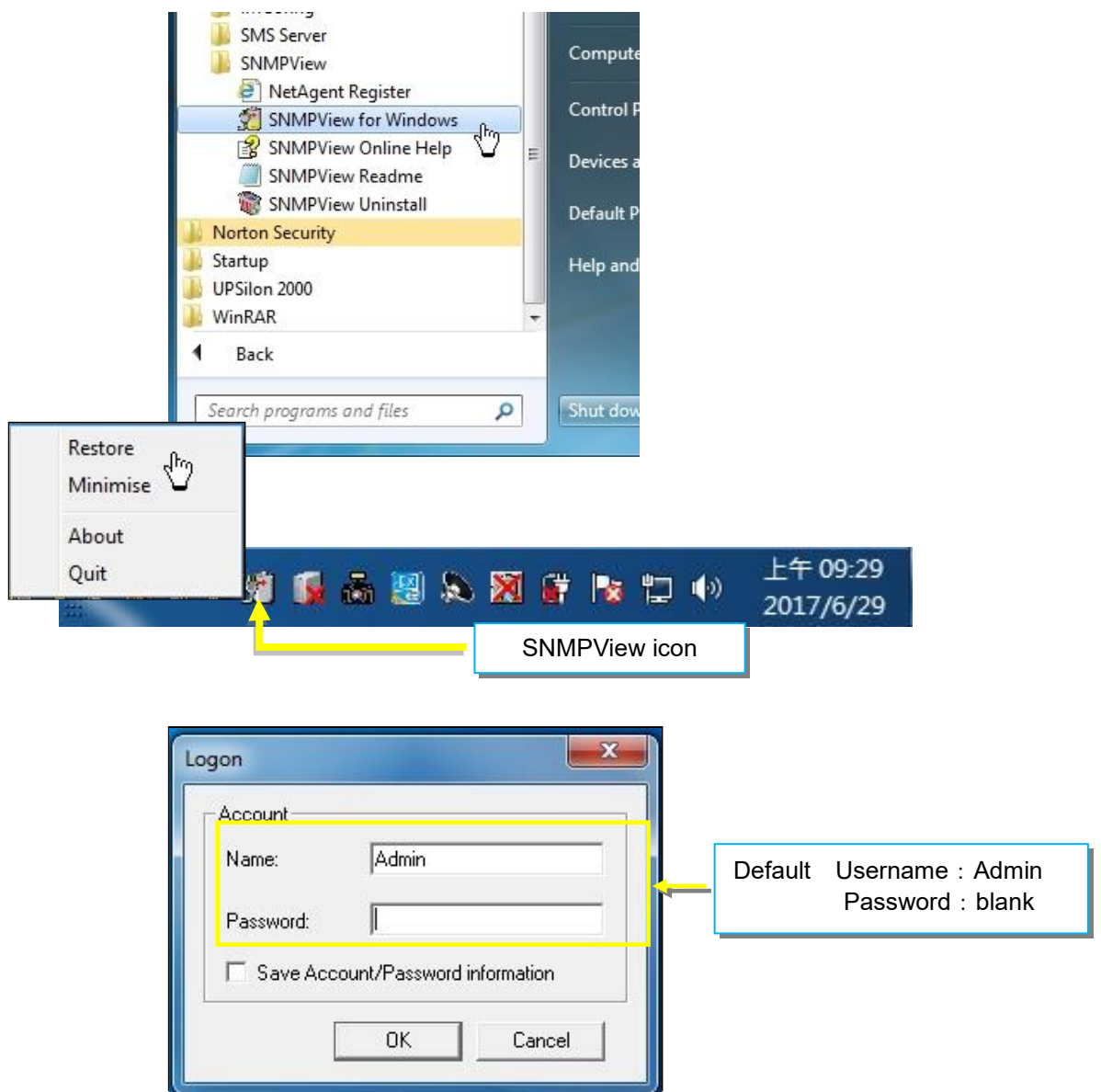
Chapter 7. SNMP View

SNMPView is a NMS software to remotely monitor and control multiple UPS with NetAgent.. When an event occurs, SNMPView can be programmed to send an email or trap to inform the designated network manager. It can also inform the user of the UPS current condition or configuration, perform self-test, send a history file, turn the UPS On/Off and more.

Installation and setup

SNMP View software is available in the CD provided with NetAgent. After installed, it saves under directory of

All Programs >NetAgent > SNMPView > SNMP for Windows



Operation Interface

Setting Section

The screenshot shows the main interface of the SNMPView application. At the top is a menu bar with 'Device', 'View', 'Tools', 'System', 'User', and 'Help'. Below it is a toolbar with icons for 'Enumerate...', 'Add UPS', 'Delete UPS', 'Group', 'Up', 'Show Parameters', 'Settings', 'Monitor', 'View', 'Event Log', 'Data Log', and 'Options'. On the left is a 'Group' tree view showing a hierarchy: 'NetAgent' (expanded) -> '2F Control room' (expanded) -> '2F IDC' (expanded) -> '6F IDC' -> 'NetProbe'. The main area is a table with columns: 'UPS', 'Host Name', 'Location', 'Output Status', 'Connection Status', 'Temperature', 'Loading', 'Output Voltage', 'Capacity', 'AC Status', 'Battery Status', 'NetFeeler II', and 'Manager'. The table contains three rows of data. A status bar at the bottom reads: 'User: Admin. Location: 2F Control room 0 UPS, 0 UPS group has been selected 3 UPS in the list. 1 UPS lost communication. 14:48:38'. Callouts include 'Setting Section' pointing to the toolbar, 'Group Station' pointing to the tree view, 'Connection Information' pointing to the table headers, and 'NetAgent and UPS Info' pointing to the table data.

| UPS | Host Name | Location | Output Status | Connection Status | Temperature | Loading | Output Voltage | Capacity | AC Status | Battery Status | NetFeeler II | Manager |
|----------------|-----------|----------|---------------|-------------------|-------------|----------|----------------|----------|-----------|----------------|--------------|---------------|
| 192.168.66.102 | BT506 | 2F | AC mode | Connection Normal | 30.1 | 10.0 | 220.1 | 100% | AC Normal | Battery Normal | Have | Administrator |
| 192.168.66.103 | BY506 | 2F | AC mode | Connection Normal | 30.1 | 10.0 | 220.1 | 100% | AC Normal | Battery Normal | Have | Administrator |
| 192.168.66.101 | DY520 | Off-Line | Off-Line | Off-Line | Off-Line | Off-Line | Off-Line | Off-Line | Off-Line | Off-Line | Off-Line | Off-Line |

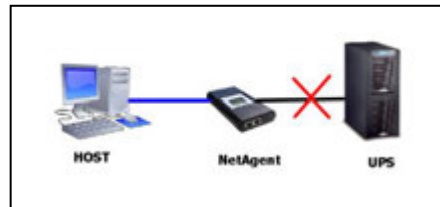
NetAgent Info

UPS connection status and information

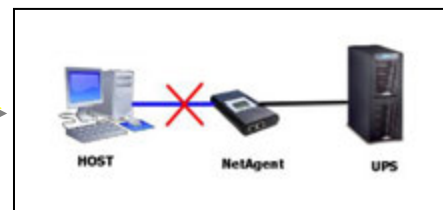
NetFeeler Status

| UPS | Host Name | Location | Output Status | Connection Status | Temperature | Loading | Output Voltage | Capacity | AC Status | Battery Status | NetFeeler II | Manager |
|----------------|-----------|----------|---------------|-------------------|-------------|----------|----------------|----------|-----------|----------------|--------------|---------------|
| 192.168.66.102 | BT506 | 2F | AC mode | Connection Normal | 30.1 | 10.0 | 220.1 | 100% | AC Normal | Battery Normal | Have | Administrator |
| 192.168.66.103 | BY506 | 2F | AC mode | Connection Normal | 30.1 | 10.0 | 220.1 | 100% | AC Normal | Battery Normal | Have | Administrator |
| 192.168.66.101 | DY520 | Off-Line | Off-Line | Off-Line | Off-Line | Off-Line | Off-Line | Off-Line | Off-Line | Off-Line | Off-Line | Off-Line |

Disconnection between NetAgent and UPS



| | |
|--|---------------------------------|
| | Connection normal with NetAgent |
| | Disconnect with NetAgent |
| | AC Failed |
| | UPS battery low |
| | Bypass mode |



Setting Tab/Device

| Device | | |
|---------------------------|-----|-------------------------------|
| Enumerate | F5 | Auto search Online NetAgent |
| Add Group... | F6 | Add NetAgent into Group |
| Add UPS... | Ins | Add NetAgent |
| Delete... | Del | Delete NetAgent |
| Browse... | | Browse NetAgent |
| Export Configurations... | | Export NetAgent Configuration |
| Import Configurations... | | Import NetAgent Configuration |
| Open archive Event Log... | | Open NetAgent SnmpElog.dat |
| Open archive Data Log... | | Open NetAgent SnmpDlog.dat |
| Quit | | |

Data Log

UPS Data | Environment Data

| UPS | Host Name | Startup Time | Input V _o | Output | Battery | Capacity | Loading | Temper |
|---------------|----------------|-----------------------|----------------------|-----------|----------|----------|----------|--------|
| 192.168.0.132 | BT506-Smart | 2017/6/28 17:22:01 | 220.1 | 220.1 | 27.1 | 100.0 | 10.0 | 30.1 |
| 192.168.0.146 | UPS Agent S... | 2017/6/28 17:208.4 | 208.4 | 21.5 | 100.0 | 10.0 | 35.0 | |
| 192.168.0.31 | UPS Agent S... | 2017/6/28 17:104.1 | 110.0 | 2.1 | 100.0 | 33.0 | 31.2 | |
| 192.168.0.32 | BT506-Smart | 2017/6/28 17:108.3 | 108.7 | 2.2 | 100.0 | 5.0 | 22.0 | |
| 192.168.0.115 | NETPROBE N... | 2017/6/28 17:23 77:60 | 0.00/0.0 | 0.00/0.0 | 0.00/0.0 | 0.00/0.0 | 0.00/0.0 | |
| 192.168.0.30 | NetProbe M... | 2017/6/28 17:220.1 | 25 47:61 | 10 00/1.0 | 10 100.0 | 0.00/0.0 | 0.00/0.0 | |
| 192.168.0.24 | DY120-Smart | 2017/6/28 17:220.1 | 220.1 | 27.1 | 100.0 | 10.0 | 30.1 | |
| 192.168.0.198 | Innovel-Smart | 2017/6/28 17:208.4 | 208.4 | 2.0 | 63.0 | 34.0 | 35.0 | |
| 192.168.0.175 | BT506-Smart | 2017/6/28 17:220.1 | 220.1 | 27.1 | 100.0 | 10.0 | 30.1 | |
| 192.168.0.229 | UPS Agent S... | 2017/6/28 17:208.4 | 208.4 | 21.5 | 100.0 | 10.0 | 35.0 | |
| 192.168.0.211 | BT506-Smart | 2017/6/28 17:109.3 | 109.3 | 2.2 | 100.0 | 10.0 | 22.0 | |
| 192.168.0.34 | NETPROBE N... | 2017/6/28 17:23 36:59 | 0.00/0.0 | 0.00/0.0 | 0.00/0.0 | 0.00/0.0 | 0.00/0.0 | |
| 192.168.0.115 | NetProbe M... | 2017/6/28 17:25 50:43 | 10 00/1.0 | 10 100.0 | 0.00/0.0 | 0.00/0.0 | 0.00/0.0 | |
| 192.168.0.212 | DY120-Smart | 2017/6/28 17:220.1 | 220.1 | 27.1 | 100.0 | 10.0 | 30.1 | |
| 192.168.0.148 | Innovel-Smart | 2017/6/28 17:208.4 | 208.4 | 2.0 | 63.0 | 34.0 | 35.0 | |
| 192.168.0.186 | BT506-Smart | 2017/6/28 17:220.1 | 220.1 | 27.1 | 100.0 | 10.0 | 30.1 | |
| 192.168.0.148 | UPS Agent S... | 2017/6/28 17:208.4 | 208.4 | 21.5 | 100.0 | 10.0 | 35.0 | |
| 192.168.0.30 | UPS Agent S... | 2017/6/28 17:104.1 | 110.0 | 2.1 | 100.0 | 34.0 | 31.2 | |
| 192.168.0.115 | BT506-Smart | 2017/6/28 17:109.6 | 109.6 | 2.2 | 100.0 | 6.0 | 22.3 | |
| 192.168.0.211 | NETPROBE N... | 2017/6/28 17:23 36:41 | 0.00/0.0 | 0.00/0.0 | 0.00/0.0 | 0.00/0.0 | 0.00/0.0 | |
| 192.168.0.175 | NetProbe M... | 2017/6/28 17:25 48:24 | 10 00/1.0 | 10 100.0 | 0.00/0.0 | 0.00/0.0 | 0.00/0.0 | |

Save As... Print Clear All OK Cancel

Event Log

Record List

| UPS | Date | Time | Description |
|---------------|-----------|----------|---|
| 192.168.0.132 | 2017/4/19 | 19:51:13 | NetAgent is not able to connect to UPS. |
| 192.168.0.146 | 2017/4/19 | 19:51:14 | NetAgent is not able to connect to UPS. |
| 192.168.0.31 | 2017/4/19 | 19:51:14 | NetAgent is not able to connect to UPS. |
| 192.168.0.32 | 2017/4/19 | 19:51:14 | NetAgent is not able to connect to UPS. |
| 192.168.0.30 | 2017/4/19 | 19:51:15 | NetAgent is not able to connect to UPS. |
| 192.168.0.24 | 2017/4/19 | 19:51:15 | NetAgent is not able to connect to UPS. |
| 192.168.0.198 | 2017/4/19 | 19:51:15 | NetAgent is not able to connect to UPS. |
| 192.168.0.175 | 2017/4/19 | 19:51:15 | NetAgent is not able to connect to UPS. |
| 192.168.0.229 | 2017/4/19 | 19:51:15 | NetAgent is not able to connect to UPS. |
| 192.168.0.211 | 2017/4/19 | 19:51:15 | NetAgent is not able to connect to UPS. |
| 192.168.0.34 | 2017/4/19 | 19:51:15 | NetAgent is not able to connect to UPS. |
| 192.168.0.115 | 2017/4/19 | 19:51:15 | NetAgent is not able to connect to UPS. |
| 192.168.0.212 | 2017/4/19 | 19:51:25 | NetAgent is not able to connect to UPS. |
| 192.168.0.148 | 2017/4/19 | 19:54:9 | Unable to access the device by network. |
| 192.168.0.148 | 2017/4/19 | 19:54:57 | Restore the communication with the UPS. |
| 192.168.0.30 | 2017/4/19 | 20:1:45 | NetAgent is not able to connect to UPS. |
| 192.168.0.115 | 2017/4/19 | 20:1:45 | NetAgent is not able to connect to UPS. |
| 192.168.0.211 | 2017/4/19 | 20:1:45 | NetAgent is not able to connect to UPS. |
| 192.168.0.175 | 2017/4/19 | 20:1:45 | NetAgent is not able to connect to UPS. |
| 192.168.0.206 | 2017/4/19 | 20:1:45 | NetAgent is not able to connect to UPS. |

Save As... Print Clear All OK

Add UPS

UPS Information

IP address(Domain): 192.168.66.101

Community: public

Trap community: public

SNMP port: 161

Add subsequent 1 devices

This UPS is a 3-Phase UPS

OK Cancel

Add UPS Group

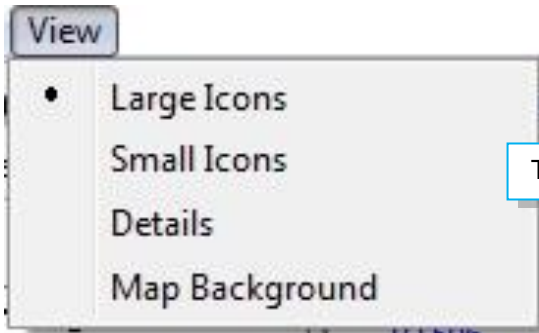
UPS Group

Group name: 2F Control room

Enable Background Map

D:\controlroom_map.bmp Browse...

OK Cancel



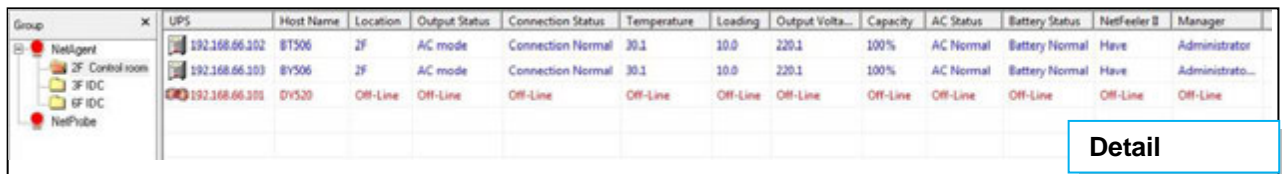
To view NetAgent with different mode



Large Icon



Small Icon



Detail



Map

Tools

- UPS Settings...
- UPS Monitor...
- Show Panel
- Up
- Find... Ctrl+F
- SNMP Management...
- Change Address

Parameter and alarm setting

To view UPS status

UPS data in Chart

Last window

Find NetAgent

NetAgent node

Change NetAgent IP

UPS Management

Device Information

Device Name: [BY506]

IP Address: [192.168.66.103]

UPS Model: [Smart UPS]

MIB Management

Cell in the MIB

- [+] [UPSIdent]
- [+] [UPSBattery]
- [+] [UPSInput]
- [+] [UPSOutput]
- [+] [Basic UPS]
- [+] [Smart UPS]
 - upsSmartOutputVoltage
 - upsSmartOutputFrequency
 - upsSmartOutputLoad

Selected MIB Cells

- upsSmartOutputVoltage
- upsSmartOutputFrequency
- upsSmartOutputLoad

MIB Cell Description

iso.org.dod.internet.private.enterprises.pcc.products.hardware.ups.upoutput.upsmartoutp -
 ut.upsSmartOutputLoad: 1.3.6.1.4.1.935.1.1.1.4.2.3
 The current UPS load expressed in percent of rated capacity.

Manage... OK

Find

Host: [192.168.66.103]

Find

Cancel

UPS

Host Name: [192.168.66.103] | Startup Time(D-H:M:S): [0-4:57:56] | Manager: [Administrator]

Chart

| Time | Value1 | Time | Value1 | Time | Value1 |
|----------|--------|----------|--------|----------|--------|
| 16:21:10 | 220.1 | 16:21:11 | 220.1 | 16:21:12 | 220.1 |
| 16:21:10 | 160.0 | 16:21:11 | 160.0 | 16:21:12 | 160.0 |
| 16:21:10 | 50.0 | 16:21:11 | 50.0 | 16:21:12 | 50.0 |
| 16:21:10 | 100 | 16:21:11 | 100 | 16:21:12 | 100 |

Device—(BY506)

Meter | Digital | Environment Log | Details | Control

Input Voltage: 220.1 V

Output Voltage: 220.1 V

Input Frequency: 50.0 Hz

Temperature: 30.0 °C

Capacity: 100 %

UPS Load: 100 %

Communication has been made

Battery Normal

AC Power Normal

AC mode

Battery Voltage Normal

Test Normal

Settings(192.168.66.103)

General | E-Mail | Trap List | SMS Notification | UPS Loading | Comment

UPS Name: [BY506]

Location: [2F]

Manager: [Administrator]

Community: [public]

Trap community: [public]

SNMP port: [161]

Polling Interval: [5] Sec (default 10 sec)

Record Data every: [5] Min (default 5 min)

Record UPS Event

Enable Warning Message

Enable Broadcasting Warning Message (only for NT/2000/XP)

This UPS is a 3-Phase UPS

OK Cancel

System

- Event Log...
- Data Log...
- SNMP Options...

NetAgent Event log

NetAgent Data log

SNMP parameter and SMS Setting

Options

SNMP Options | System sound | SMS Settings | General

Community: public

Default Polling Interval: 5 Secs

UPS SNMP Port: 161

SNMP Trap Port: 162

No response time to determine connection(3-10 polling interval): 10 polling interval

OK Cancel

Data Log

UPS Data | Environment Data

| UPS | Host Name | Status | Time | Input V | Output | Battery | Capacity | Loading | Temper |
|---------------|---------------|--------------|----------|----------|---------|---------|----------|---------|--------|
| 192.168.0.132 | BT506-Smart | 2017/6/28 17 | 220.1 | 220.1 | 27.1 | 100.0 | 10.0 | 30.1 | |
| 192.168.0.148 | UPG Agent S | 2017/6/28 17 | 208.4 | 208.4 | 21.5 | 100.0 | 10.0 | 35.0 | |
| 192.168.0.31 | UPS Agent S | 2017/6/28 17 | 104.1 | 110.0 | 2.1 | 100.0 | 33.0 | 31.2 | |
| 192.168.0.32 | BT506-Smart | 2017/6/28 17 | 108.3 | 109.7 | 2.2 | 100.0 | 4.0 | 22.0 | |
| 192.168.0.30 | NETPROBE N | 2017/6/28 17 | 23.77/60 | 0.00/50 | 0.90Hz | 0.00/0 | 0.00/0 | 0.00/0 | |
| 192.168.0.29 | NetProbe Mini | 2017/6/28 17 | MeV | 25.47/61 | 10.00/1 | 10/100% | 0.00/0 | 0.00/0 | |
| 192.168.0.198 | CH520-Smart | 2017/6/28 17 | 220.1 | 220.1 | 27.1 | 100.0 | 10.0 | 30.1 | |
| 192.168.0.175 | Intel-Smart | 2017/6/28 17 | 208.4 | 208.4 | 2.0 | 63.0 | 34.0 | 35.0 | |
| 192.168.0.211 | BT506-Smart | 2017/6/28 17 | 220.1 | 220.1 | 27.1 | 100.0 | 10.0 | 30.1 | |
| 192.168.0.229 | UPG Agent S | 2017/6/28 17 | 208.4 | 208.4 | 21.5 | 100.0 | 10.0 | 35.0 | |
| 192.168.0.211 | UPS Agent S | 2017/6/28 17 | 104.1 | 110.0 | 2.1 | 100.0 | 34.0 | 31.2 | |
| 192.168.0.148 | BT506-Smart | 2017/6/28 17 | 108.3 | 109.6 | 2.2 | 100.0 | 4.0 | 22.0 | |
| 192.168.0.175 | NETPROBE N | 2017/6/28 17 | 23.36/61 | 0.00/50 | 0.90Hz | 0.00/0 | 0.00/0 | 0.00/0 | |

Save As Print Clear All

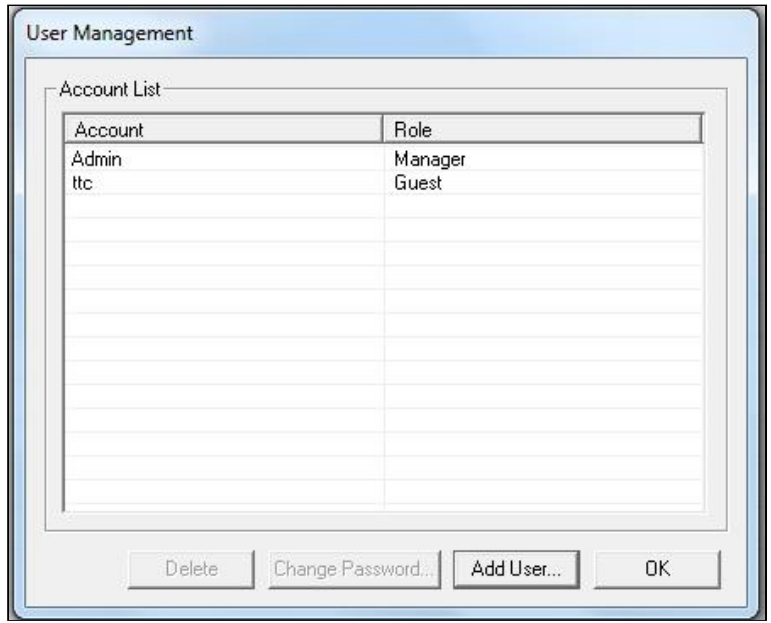
OK Cancel

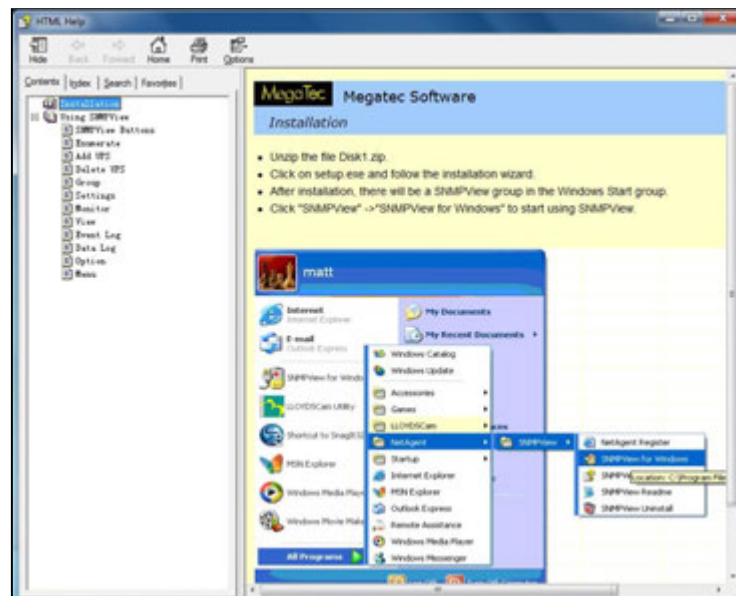
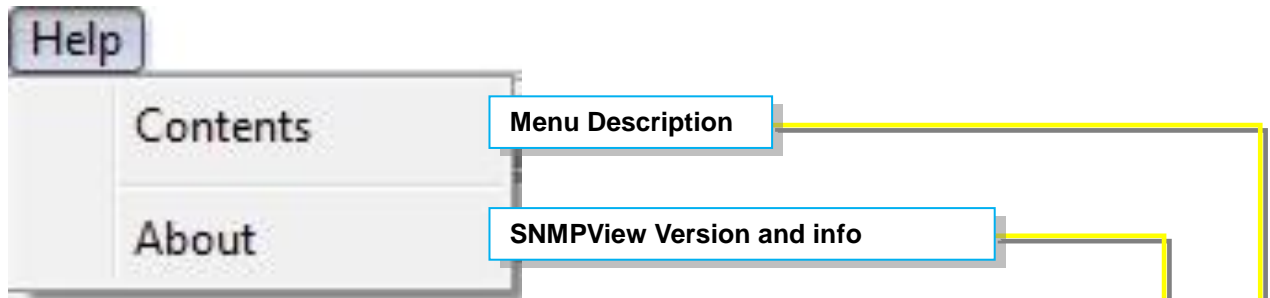
Event Log

Record List

| UPS | Date | Time | Description |
|---------------|-----------|----------|---|
| 192.168.0.132 | 2017/4/19 | 19:51:13 | NetAgent is not able to connect to UPS. |
| 192.168.0.148 | 2017/4/19 | 19:51:14 | NetAgent is not able to connect to UPS. |
| 192.168.0.31 | 2017/4/19 | 19:51:14 | NetAgent is not able to connect to UPS. |
| 192.168.0.32 | 2017/4/19 | 19:51:14 | NetAgent is not able to connect to UPS. |
| 192.168.0.30 | 2017/4/19 | 19:51:15 | NetAgent is not able to connect to UPS. |
| 192.168.0.29 | 2017/4/19 | 19:51:15 | NetAgent is not able to connect to UPS. |
| 192.168.0.198 | 2017/4/19 | 19:51:15 | NetAgent is not able to connect to UPS. |
| 192.168.0.175 | 2017/4/19 | 19:51:15 | NetAgent is not able to connect to UPS. |
| 192.168.0.229 | 2017/4/19 | 19:51:15 | NetAgent is not able to connect to UPS. |
| 192.168.0.211 | 2017/4/19 | 19:51:15 | NetAgent is not able to connect to UPS. |
| 192.168.0.34 | 2017/4/19 | 19:51:15 | NetAgent is not able to connect to UPS. |
| 192.168.0.115 | 2017/4/19 | 19:51:15 | NetAgent is not able to connect to UPS. |
| 192.168.0.212 | 2017/4/19 | 19:51:25 | NetAgent is not able to connect to UPS. |
| 192.168.0.148 | 2017/4/19 | 19:54:9 | Unable to access the device by network. |
| 192.168.0.148 | 2017/4/19 | 19:54:57 | Restore the communication with the UPS. |
| 192.168.0.30 | 2017/4/19 | 20:1:45 | NetAgent is not able to connect to UPS. |
| 192.168.0.115 | 2017/4/19 | 20:1:45 | NetAgent is not able to connect to UPS. |
| 192.168.0.211 | 2017/4/19 | 20:1:45 | NetAgent is not able to connect to UPS. |
| 192.168.0.175 | 2017/4/19 | 20:1:45 | NetAgent is not able to connect to UPS. |
| 192.168.0.209 | 2017/4/19 | 20:1:45 | NetAgent is not able to connect to UPS. |

Save As Print Clear All OK





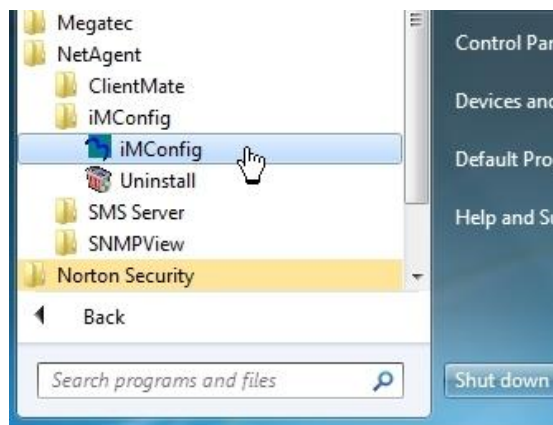
Chapter 8. iMConfig

iMConfig is a tool software that allows user to change the same parameter on multi NetAgent simultaneously.

Installation and setup

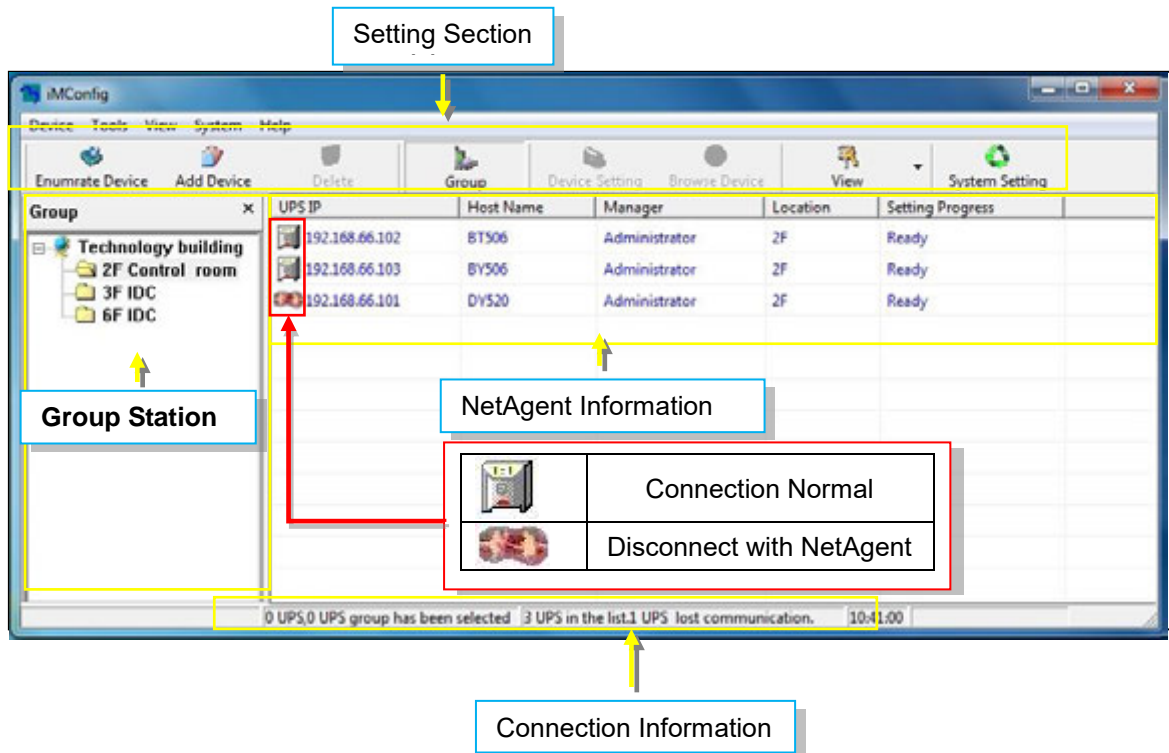
iMConfig is available in the CD provided with NetAgent. After installed, it saves under directory of

All Programs > NetAgent> iMConfig



Operation Interface

Setting Section



The screenshot shows the iMConfig application window. The title bar reads 'iMConfig'. The menu bar includes 'Device', 'Tools', 'View', 'System', and 'Help'. The toolbar contains icons for 'Enumerate Device', 'Add Device', 'Delete', 'Group', 'Device Setting', 'Browse Device', 'View', and 'System Setting'. On the left, a tree view shows a 'Group' named 'Technology building' with sub-items '2F Control room', '3F IDC', and '6F IDC'. The main area is a table with columns: 'UPS IP', 'Host Name', 'Manager', 'Location', and 'Setting Progress'. The table contains three rows of data. A status bar at the bottom displays: '0 UPS,0 UPS group has been selected. 3 UPS in the list,1 UPS lost communication. 10:41:00'. Annotations with arrows point to various parts of the interface: 'Setting Section' points to the menu bar; 'Group Station' points to the tree view; 'NetAgent Information' points to the table; 'Connection Information' points to the status bar; and a red box highlights a control panel with 'Connection Normal' and 'Disconnect with NetAgent' buttons.

| UPS IP | Host Name | Manager | Location | Setting Progress |
|----------------|-----------|---------------|----------|------------------|
| 192.168.66.102 | BT506 | Administrator | 2F | Ready |
| 192.168.66.103 | BY506 | Administrator | 2F | Ready |
| 192.168.66.101 | DY520 | Administrator | 2F | Ready |

Connection Information

Setting Tab

Device

| | | |
|------------------|-----|-----------------------------|
| Enumerate Device | F5 | Auto search online NetAgent |
| Add Group... | F6 | Add NetAgent into Group |
| Add Device... | Ins | Add NetAgent |
| Delete | Del | Delete NetAgent |
| Browse Device... | | Browse NetAgent |
| Quit | | |

Add UPS

UPS Information

IP or Domain name: 192.168.66.101

Community: public

Add subsequent devices

OK Cancel

Add UPS Group

UPS Group

Group name: 2F Control building

Enable Background Map

D:\controlroom_map.bmp

OK Cancel

Tools

| | |
|-------------------|----------------------------|
| Authentication... | Username/password setting |
| Settings... | NetAgent Parameter Setting |

UPS Configuration | UPS On/Off Schedule | SNMP | Email | SMS | System Time | Modem | NetFeeder II

UPS Properties

B. UPS Communication Type: Contact Closure

C. Number of Batteries: _____

D. Battery Full Charge Voltage (V): _____

E. Battery Exhausted Charge Voltage (V): _____

F. Date of last battery replacement (yyyy-mm-dd): _____

UPS Recorded

G. UPS Data Log: _____ minute(s)

Test UPS

H. Test UPS every: None

I. Test UPS on Weekday: Sunday

J. Start Time of UPS Test (H:mm): _____

K. UPS Test Type: 10-Second Test _____ minute(s)

Warning Threshold Value

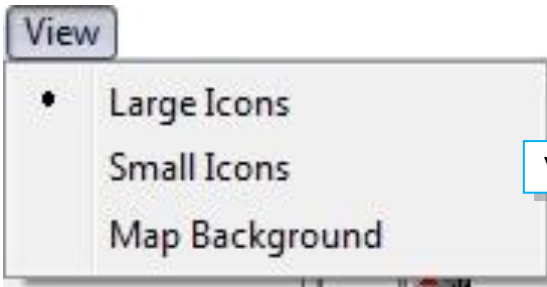
L. Time out after loss of connection: 30 seconds

M. Critical Load (%): _____

N. Critical Temperature (Celsius): _____

O. Critical Capacity (%): _____

OK Cancel



View with different mode



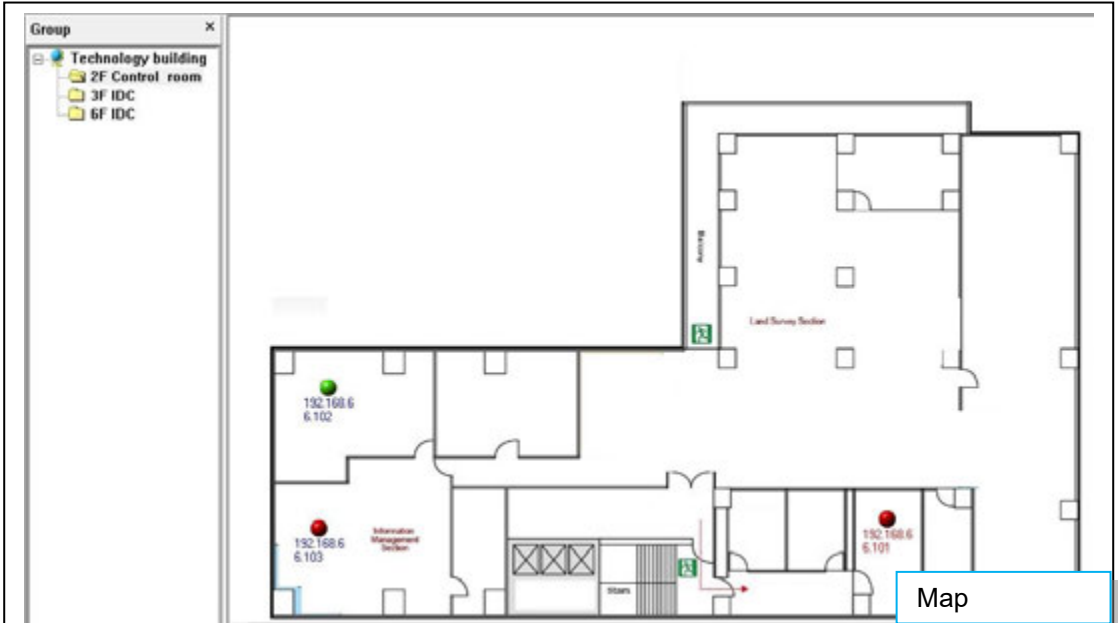
Large icon

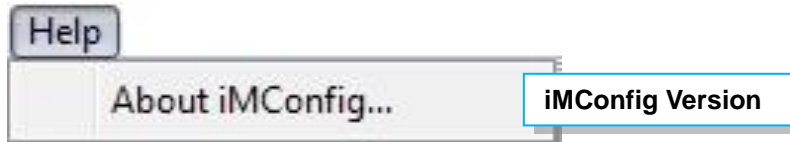
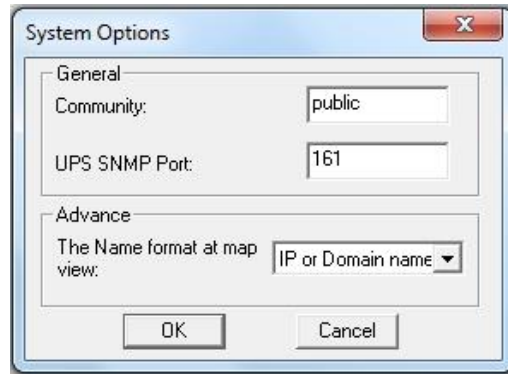
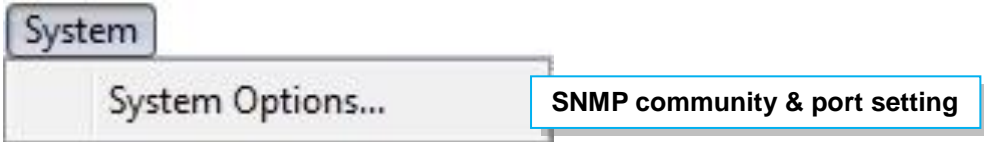
Group

- Technology building
 - 2F Control room
 - 3F IDC
 - 6F IDC

| UPS IP | Host Name | Manager | Location | Setting Progress |
|----------------|-----------|---------------|----------|------------------|
| 192.168.66.102 | BT506 | Administrator | 2F | Ready |
| 192.168.66.103 | BY506 | Administrator | 2F | Ready |
| 192.168.66.101 | DY520 | Administrator | 2F | Ready |

Small icon



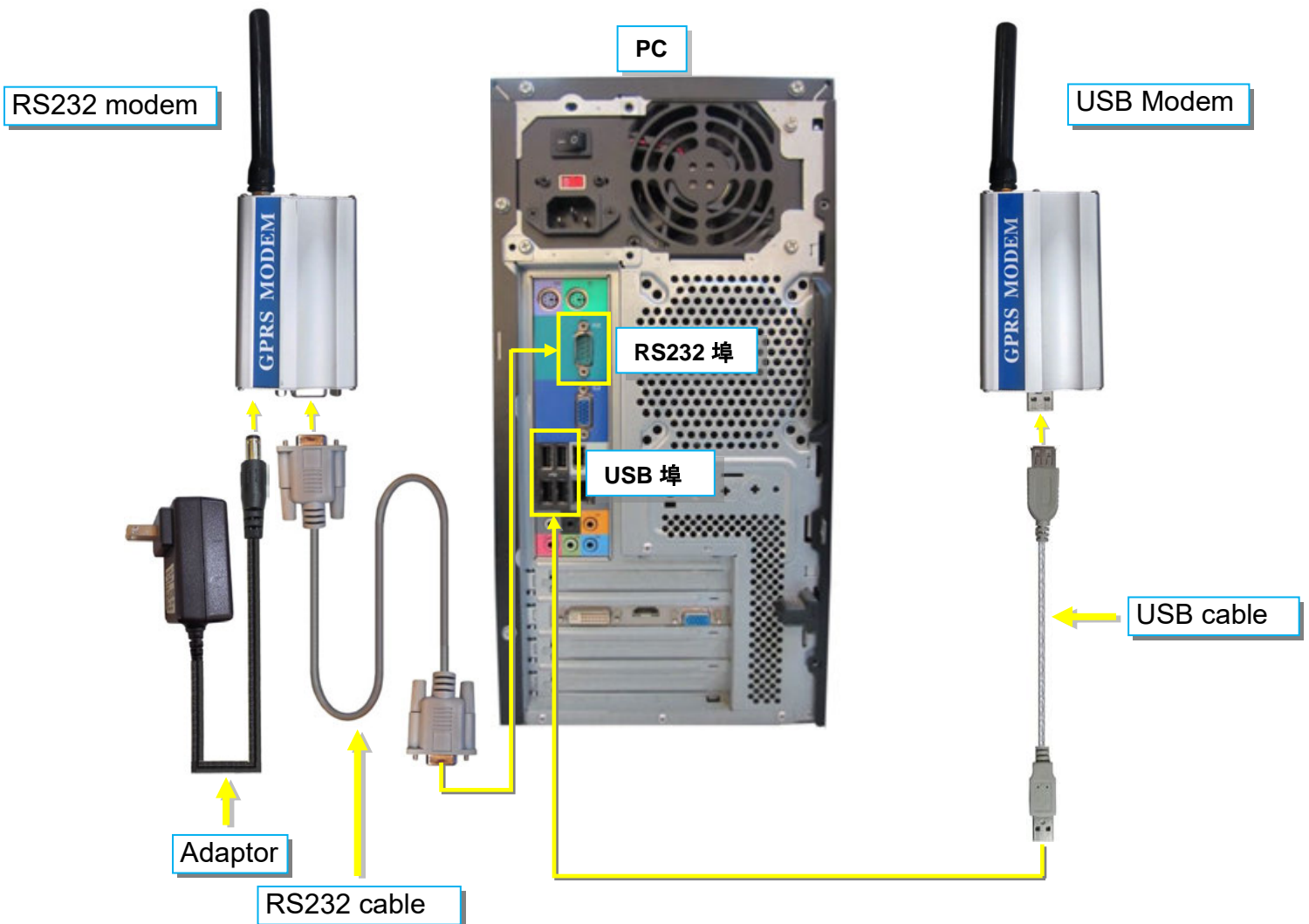


Chapter 9. SMS Server Software

SMS notification can be send by modem that connects to 3 ports NetAgent II or NetAgent 9 (BX/BY) model directly, or , it can also be achieved by the remote PC that has SMS Server software installed with modem connected



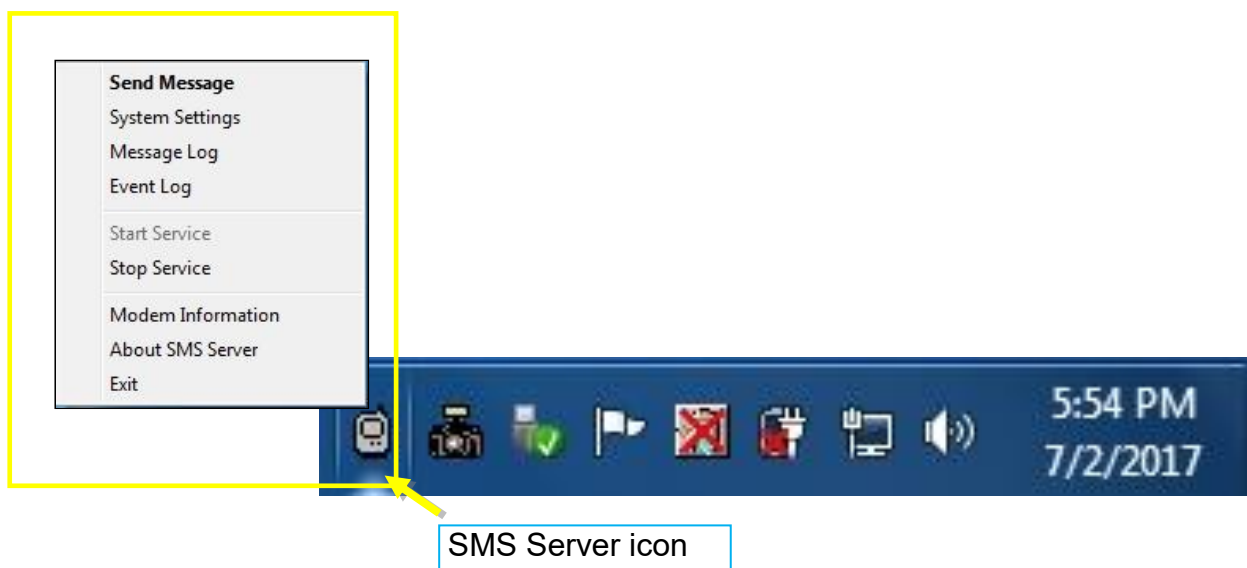
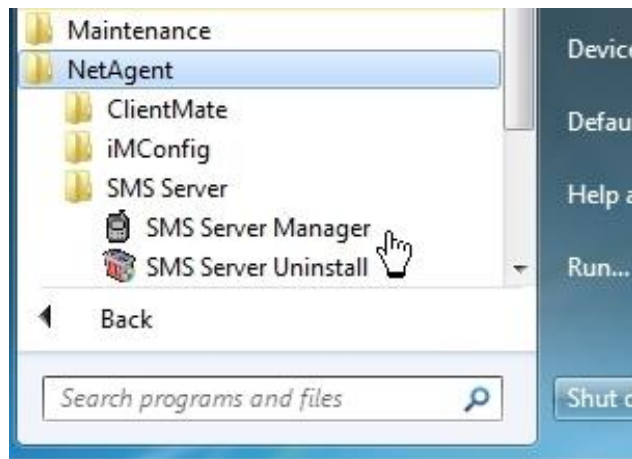
Modem Installation



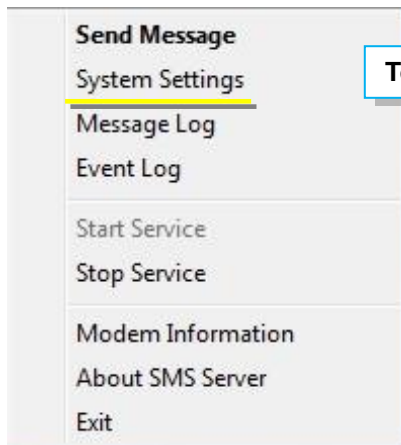
SMS Server Software Installation

SMS Server software is available in the CD provided with NetAgent. After installed, it saves under directory of

All Programs > NetAgent>SMS Server>SMS Server Manager



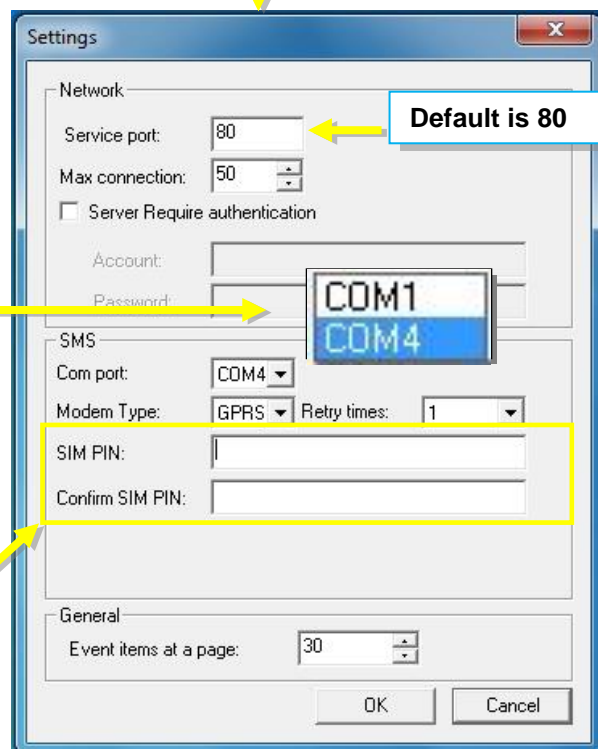
Settings



To configure type of modem, port, SIM PIN

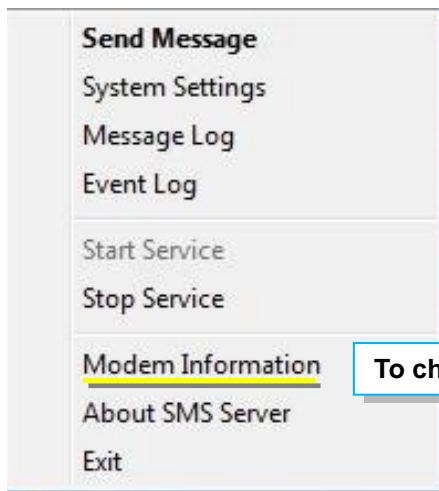
Check the virtual port number when using with USB modem

Select COM port of COM1,COM2.. when using with RS232 modem

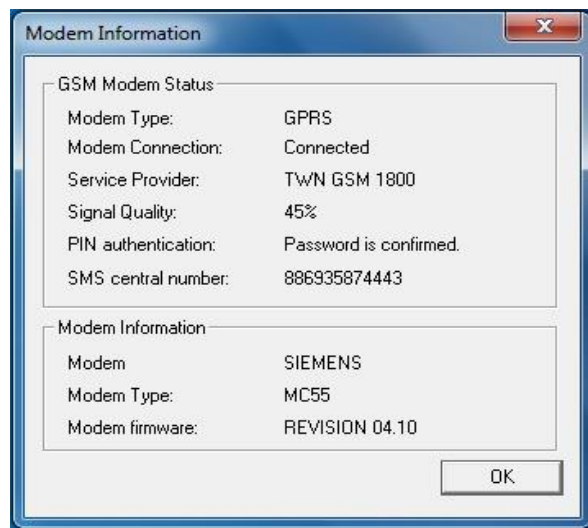


Default is 80

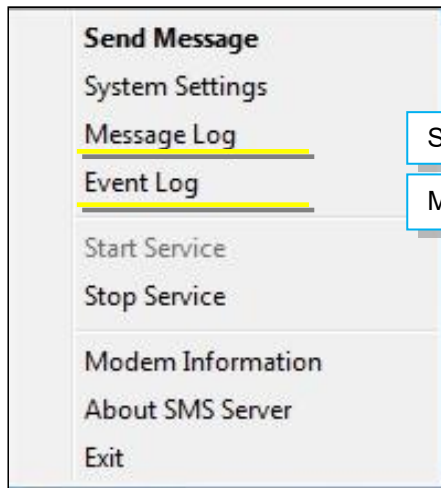
If PIN required, please enter



To check modem information and connection status



-Ensure all settings are correct and modem is connected with signal in order to send SMS successfully



SMS Sending log

Modem operation log

Event List

| NO. | Type | Number | Address | Result | Time | Content |
|-----|-------------|-------------|----------|--------|---------------------|-----------------|
| 1 | System I... | 00000000000 | 127.0... | FAIL | 2017/05/14 11:39:04 | Serial communi |
| 2 | System I... | 00000000000 | 127.0... | OK | 2017/05/14 11:42:03 | Service startup |
| 3 | System I... | 00000000000 | 127.0... | FAIL | 2017/05/14 11:42:03 | Serial communi |
| 000 | 127.0... | | 127.0... | OK | 2017/05/14 11:47:41 | Service startup |
| 000 | 127.0... | | 127.0... | FAIL | 2017/05/14 11:47:41 | Serial communi |
| 000 | 127.0... | | 127.0... | OK | 2017/05/14 15:36:58 | Service startup |
| 000 | 127.0... | | 127.0... | FAIL | 2017/05/14 15:36:58 | Serial communi |
| 000 | 127.0... | | 127.0... | OK | 2017/05/14 16:39:45 | Service startup |
| 000 | 127.0... | | 127.0... | FAIL | 2017/05/14 16:39:45 | Serial communi |
| 000 | 127.0... | | 127.0... | OK | 2017/05/15 09:27:35 | Service startup |
| 000 | 127.0... | | 127.0... | FAIL | 2017/05/15 09:27:35 | Serial communi |
| 000 | 127.0... | | 127.0... | OK | 2017/05/16 08:49:24 | Service startup |
| 000 | 127.0... | | 127.0... | FAIL | 2017/05/16 08:49:24 | Serial communi |
| 000 | 127.0... | | 127.0... | OK | 2017/05/17 08:54:44 | Service startup |
| 000 | 127.0... | | 127.0... | FAIL | 2017/05/17 08:54:44 | Serial communi |
| 000 | 127.0... | | 127.0... | OK | 2017/05/17 14:32:47 | Service startup |
| 000 | 127.0... | | 127.0... | FAIL | 2017/05/17 14:32:47 | Serial communi |
| 000 | 127.0... | | 127.0... | OK | 2017/05/17 15:20:53 | Service startup |
| 000 | 127.0... | | 127.0... | FAIL | 2017/05/17 15:20:53 | Serial communi |
| 000 | 127.0... | | 127.0... | OK | 2017/05/18 09:26:49 | Service startup |
| 000 | 127.0... | | 127.0... | FAIL | 2017/05/18 09:26:49 | Serial communi |
| 000 | 127.0... | | 127.0... | OK | 2017/05/18 10:02:41 | Service startup |
| 000 | 127.0... | | 127.0... | FAIL | 2017/05/18 10:02:41 | Serial communi |
| 000 | 127.0... | | 127.0... | OK | 2017/05/21 08:47:52 | Service startup |
| 000 | 127.0... | | 127.0... | FAIL | 2017/05/21 08:47:52 | Serial communi |
| 000 | 192.1... | | 192.1... | FAIL | 2017/05/21 13:46:35 | No this URL(1! |
| 000 | 192.1... | | 192.1... | FAIL | 2017/05/21 13:46:37 | No this URL(1! |
| 000 | 192.1... | | 192.1... | FAIL | 2017/05/21 13:46:41 | No this URL(1! |
| 000 | 192.1... | | 192.1... | FAIL | 2017/05/21 13:46:57 | No this URL(1! |
| 000 | 192.1... | | 192.1... | FAIL | 2017/05/21 13:47:01 | No this URL(1! |

is page 1, there are 30 items in this page, total 46 pages. Double-Click to

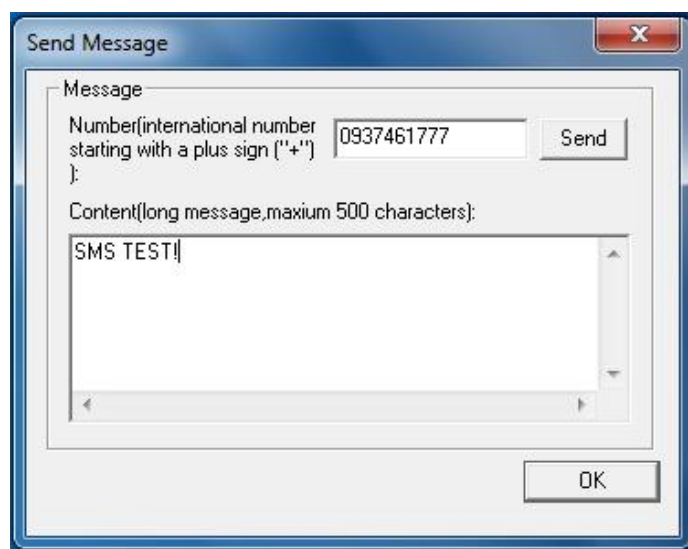
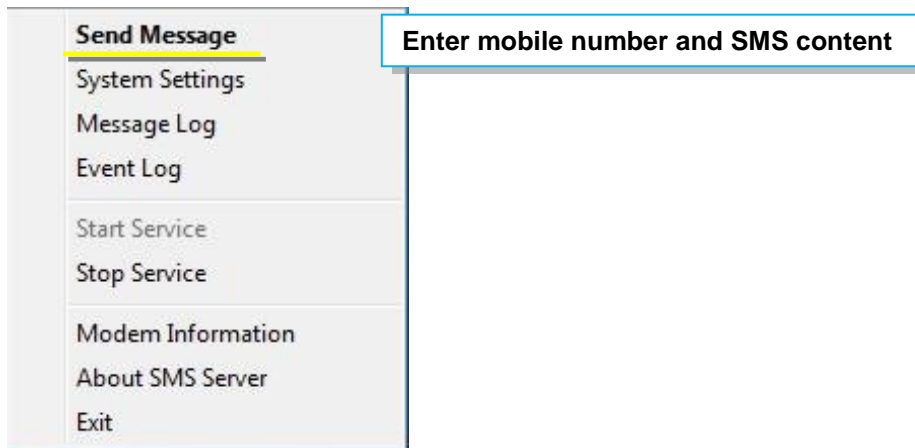
Page Up Page Down Page: 1 Delete... OK

Message List

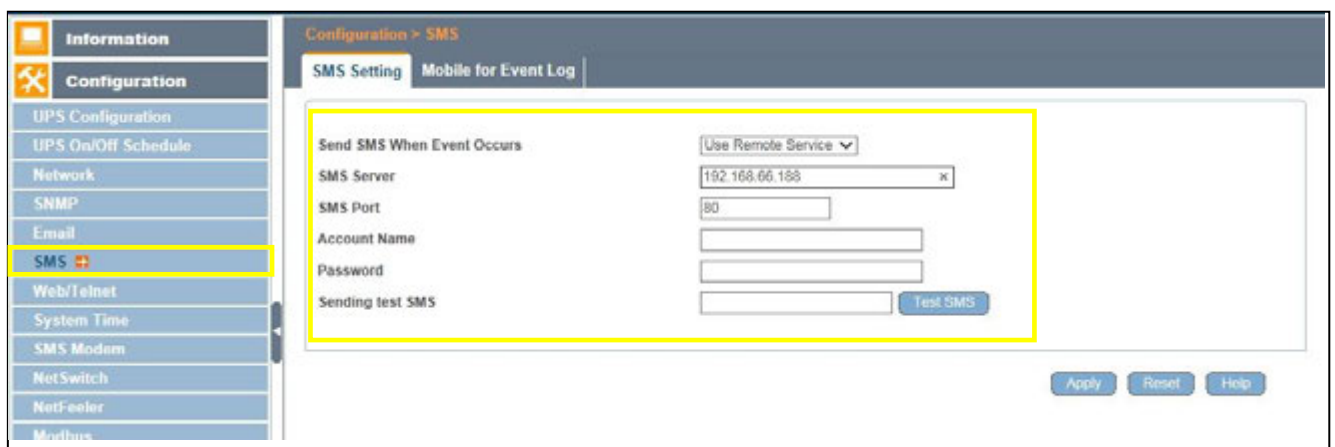
| NO. | Type | Number | Address | Result | Time | Content |
|-----|------|------------|----------|--------|---------------------|--------------|
| 1 | Send | 0955655657 | 192.1... | OK | 2017/05/10 19:13:44 | UPS Agent(My |
| 2 | Send | 0917461025 | 192.1... | OK | 2017/05/10 19:14:59 | UPS Agent(My |
| 3 | Send | 0922726209 | 192.1... | OK | 2017/05/10 19:22:33 | UPS Agent(My |
| 4 | Send | 0955955657 | 192.1... | OK | 2017/05/10 19:23:14 | UPS Agent(My |

30 items in every page, current is page 1, there are 4 items in this page, total 1 pages. Double-Click to fresh

First Page Last Page Page Up Page Down Page: 1 Delete... OK



When SMS Server software installation and connection are both complete, the IP address of PC may be entered in the NetAgent's SMS webpage and select "Use Remote Service". Such NetAgent would then be able to send SMS notification via this SMS Server PC



Chapter 10. Appendix

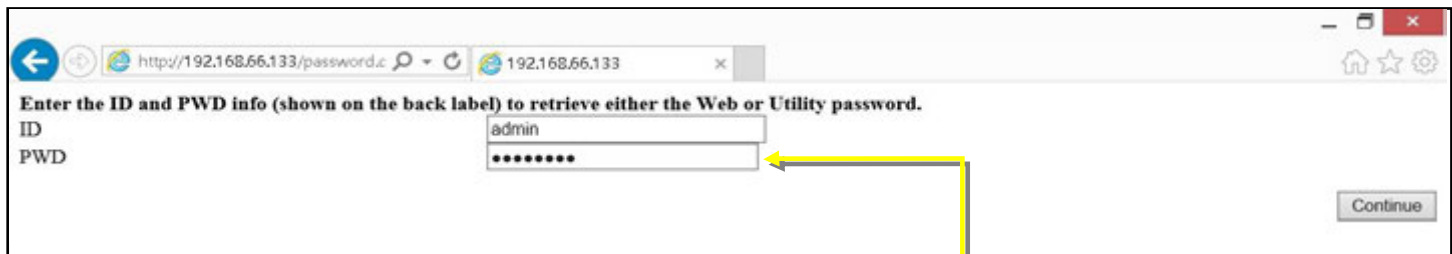
When Netility and NetAgent's username/password are lost, please follow the steps below to clear or check the configuration

1. Get the PC that is under same network as NetAgent-SNMP card
2. Open up the browser and type <http://xxx.xx/password.cgi> (xx.xxx is the IP address of the NetAgent)



3. Enter ID: admin

Password: Enter the master password for the device



4. Press continue and clear

