



Manual de Usuario

Tarjeta SNMP ESOL Mini

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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.

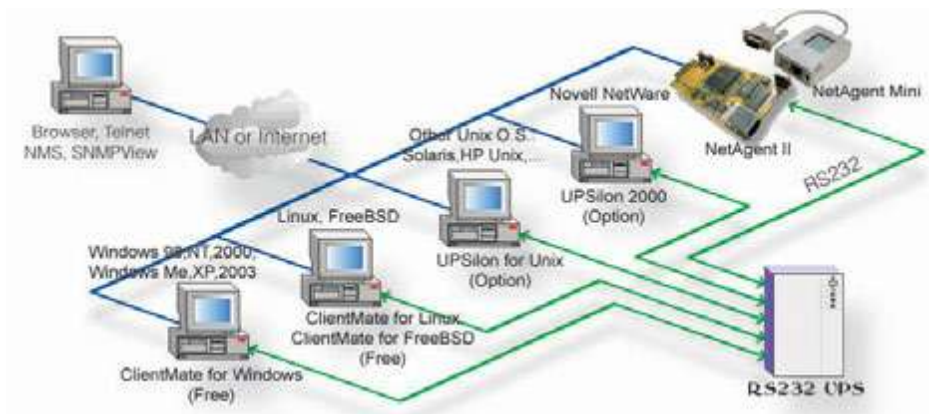


Fig.1 Network connection diagram of NetAgent and shutdown software

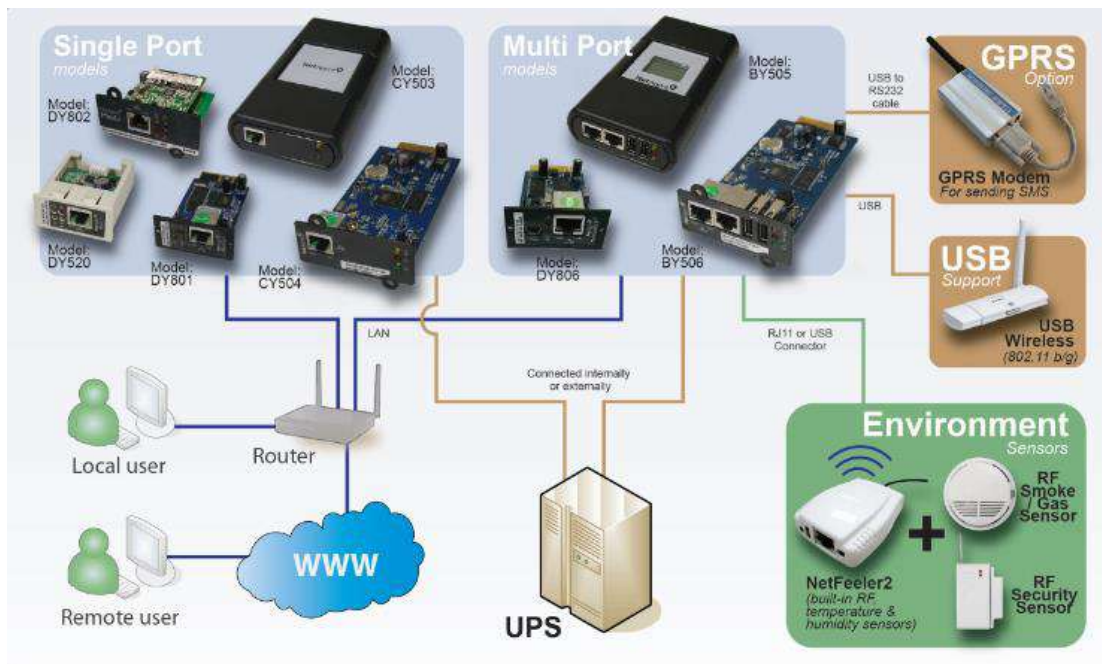
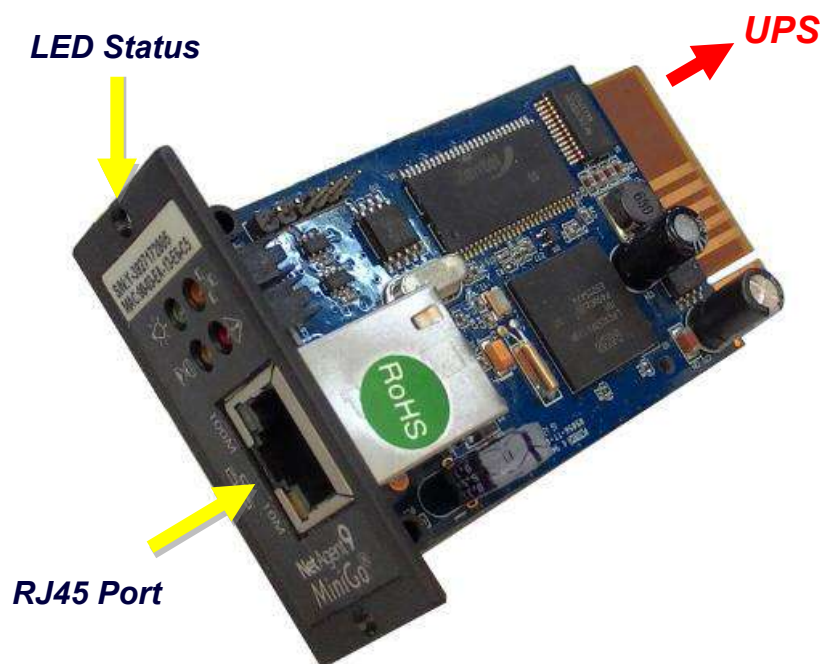


Fig.2 NetAgent 9 connection diagram with NetFeeler





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> <td>Flashing</td> <td>Off</td> </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> <td>On</td> <td>Off</td> </tr> <tr> <td>Normal</td> <td>No Power</td> </tr> </table>		On	Off	Normal	No Power	Yellow  NetAgent Mini Status <table border="1"> <tr> <td>On</td> <td>Off</td> </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										

The diagram shows a close-up of the RJ45 Ethernet port with a green arrow pointing to a 'Green' status table and a yellow arrow pointing to a 'Yellow' status table.

Green		Yellow	
On	Flashing	On	Flashing
100 Mbps	Sending/Receiving Data	10 Mbps	Sending/Receiving Data

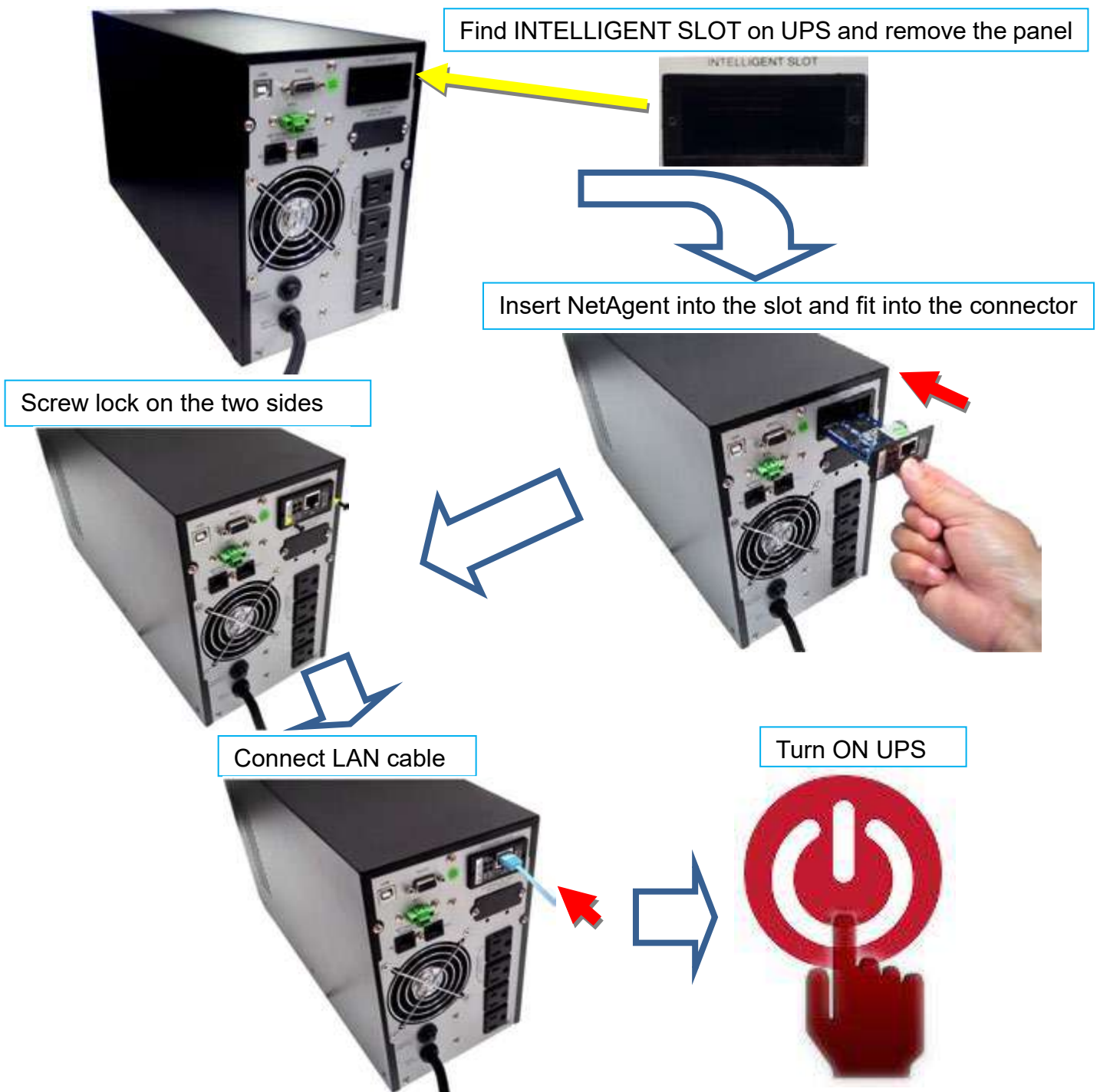
NOTE : When writing firmware, red led alternating flashing, DO NOT remove any power

Chapter 3. Installation

3.1 Hardware Installation

■ Internal NetAgent

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

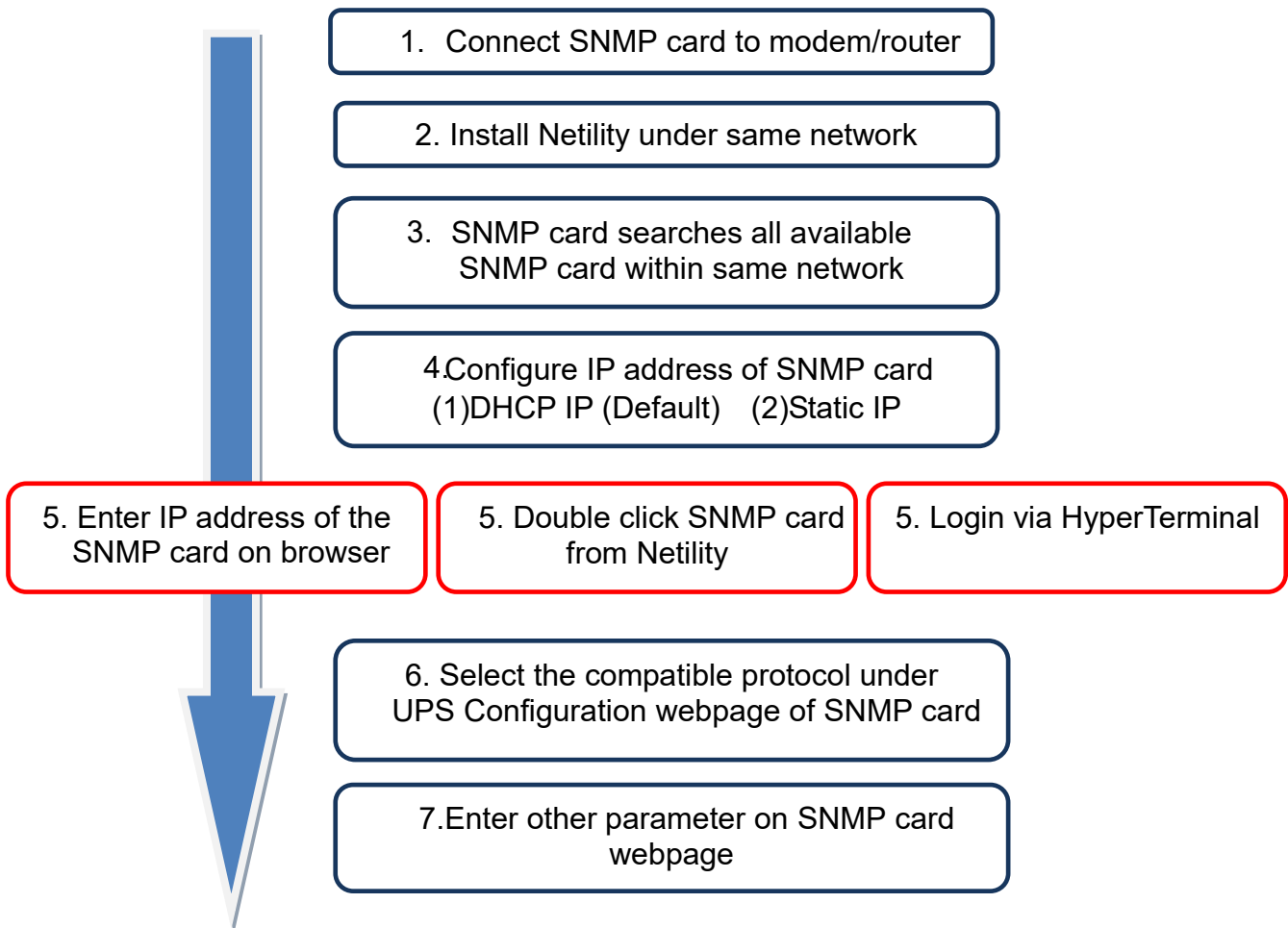


3.2 Software Installation

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

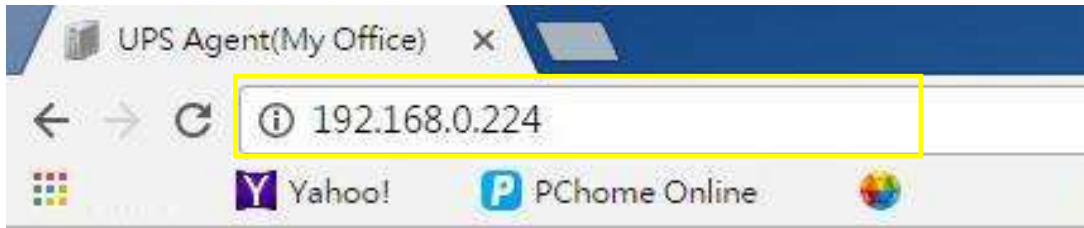
4,1 NetAgent Login Procedure



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

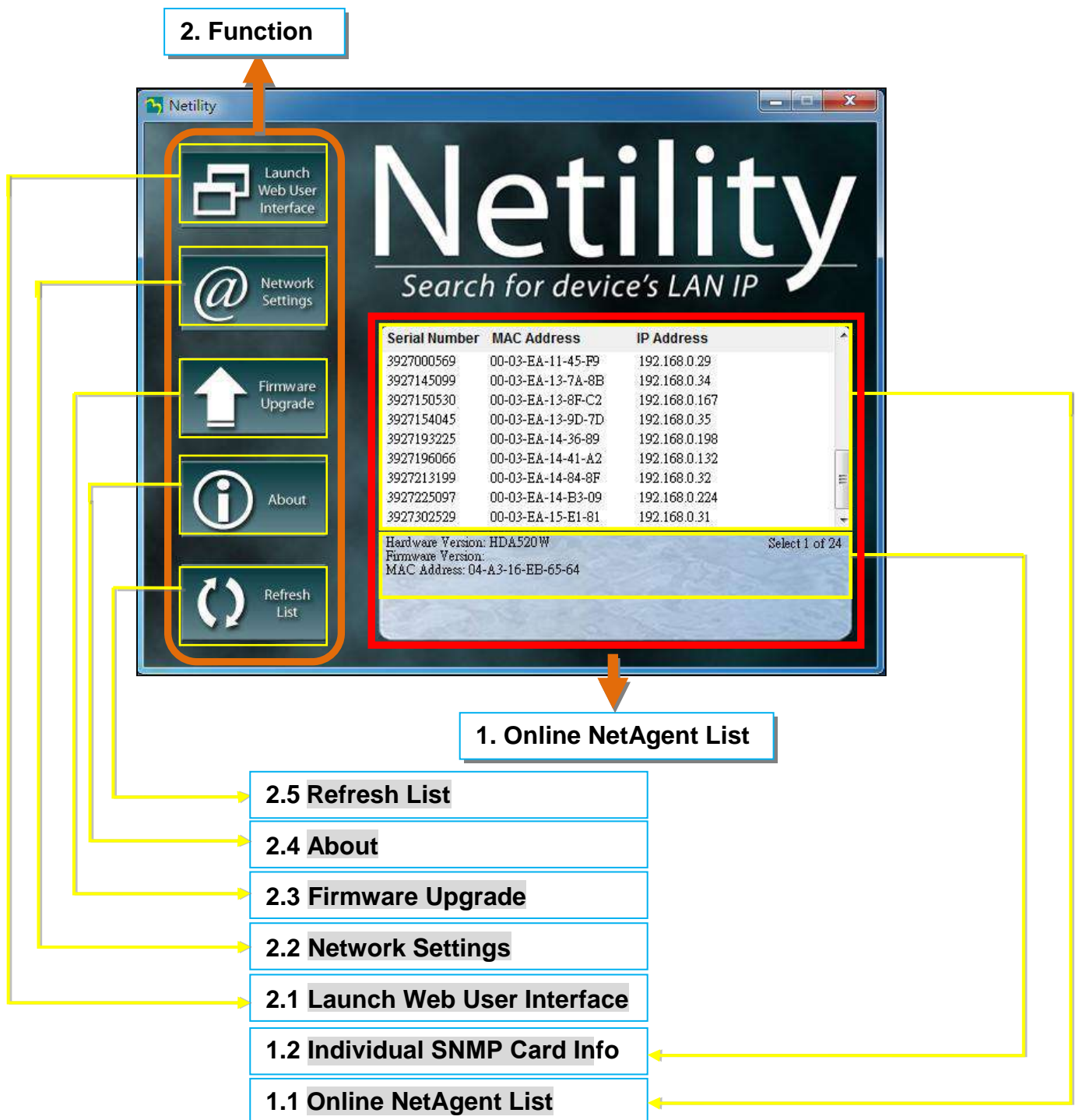
■ Netility Installation

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)

The top screenshot shows the Netility interface with a table of devices. A yellow box highlights the table, and a blue arrow points to the bottom screenshot.

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

The bottom screenshot shows the same interface with a yellow arrow pointing to the device with IP 192.168.0.224. A callout box says "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

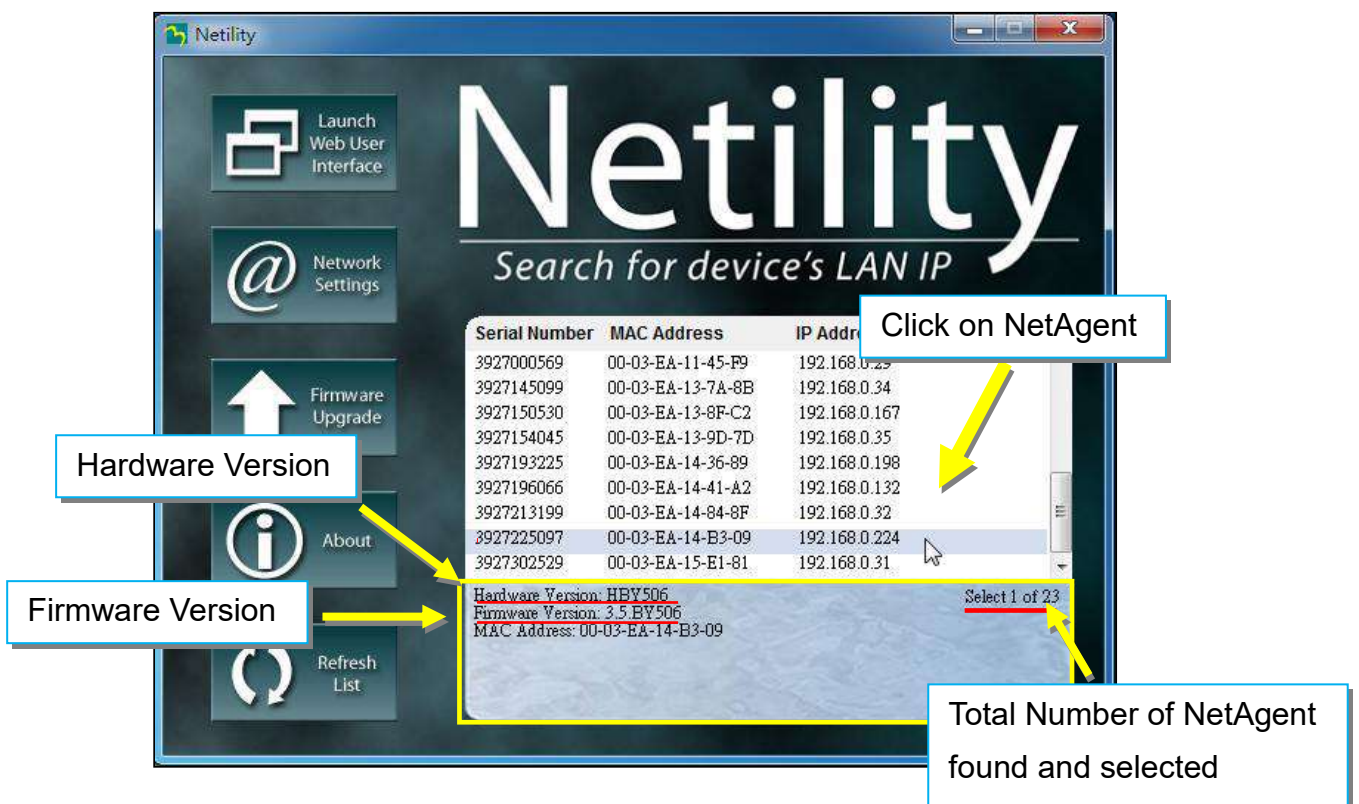
Hardware Version: HBY506
Firmware Version: 3.5.BY506
MAC Address: 00-03-EA-14-B3-09 Select 1 of 23





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' (highlighted with a yellow arrow), 'Network Settings', 'Firmware Upgrade', 'About', and 'Refresh List'. The main area displays a table of NetAgents with columns for Serial Number, MAC Address, and IP Address. A yellow arrow points to the IP address 192.168.0.224 in the table. Below the table, there is a section for hardware and firmware details for the selected agent.

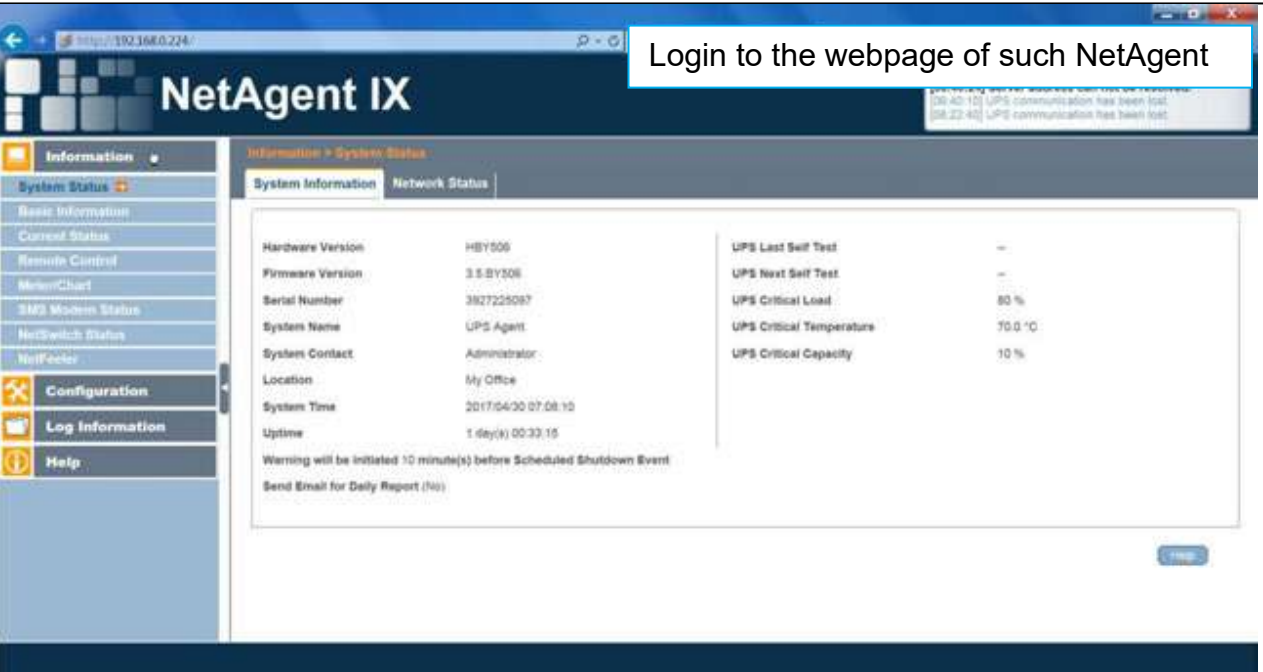
Serial Number	MAC Address	IP Address
3927000569	00-03-EA-11-45-P9	192.168.0.29
3927145099	00-03-EA-13-7A-8B	192.168.0.34
3927150530	00-03-EA-13-8F-C2	192.168.0.167
3927154045	00-03-EA-13-9D-7D	192.168.0.35
3927193225	00-03-EA-14-36-89	192.168.0.198
3927196066	00-03-EA-14-41-A2	192.168.0.132
3927213199	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 like 'Information', 'System Status', 'Configuration', 'Log Information', and 'Help'. The main content area shows 'System Information' and 'Network Status' tabs. The 'System Information' tab is active, displaying details such as Hardware Version (HBY506), Firmware Version (3.5.BY506), Serial Number (3927225097), System Name (UPS Agent), System Contact (Administrator), Location (My Office), System Time (2017/04/20 07:08:10), and Uptime (1 day(s) 00:33:15). There is also a section for 'UPS Last Self Test', 'UPS Next Self Test', 'UPS Critical Load' (80%), 'UPS Critical Temperature' (70.0 °C), and 'UPS Critical Capacity' (10%). A warning message is displayed: 'Warning will be initiated 10 minute(s) before Scheduled Shutdown Event'. A 'Send Email for Daily Report (No)' option is also visible.

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. The main interface has a sidebar with buttons for 'Launch Web User Interface', 'Network Settings', 'Firmware Upgrade', and 'About'. A table of device information is displayed, and a 'Configure' dialog box is open for IP address configuration.

1. Click on specific NetAgent

2. Click on Network Settings

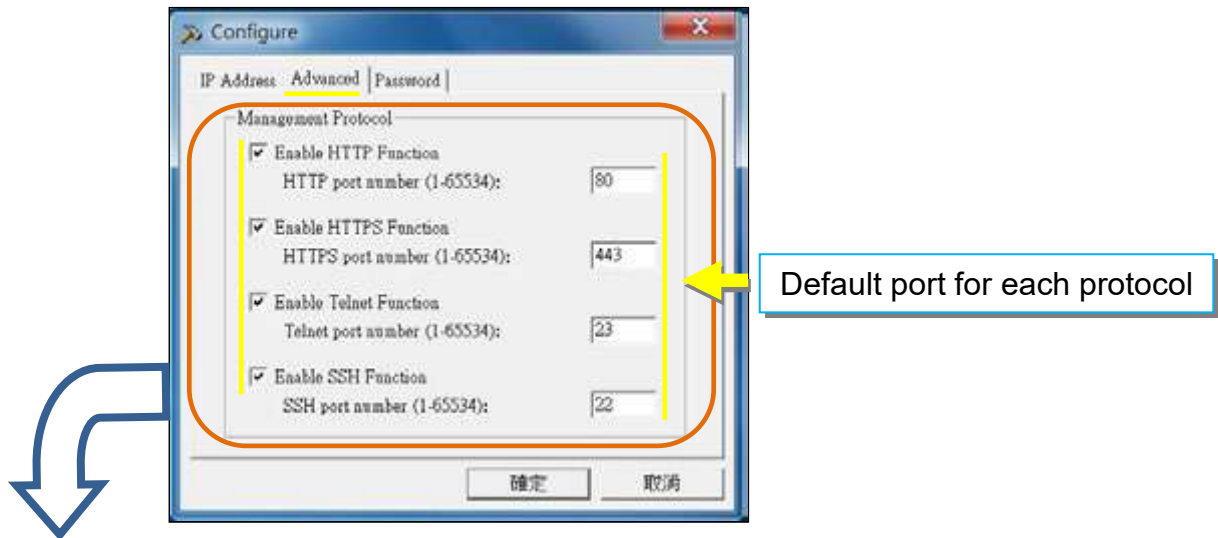
Serial Number	MAC Address	IP Address
3926444847	00-03-EA-08-CB-2F	192.168.1.107
3927177694	00-03-EA-13-F9-DE	192.168.1.105
3927225097	00-03-EA-14-B3-09	169.254.70.73

Select to assign IP by DHCP

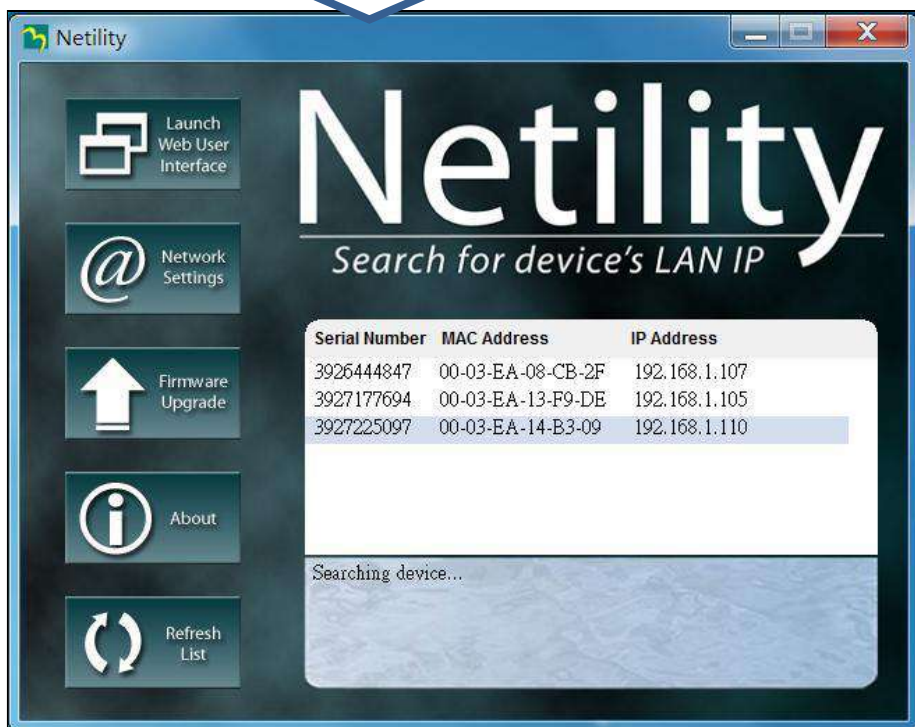
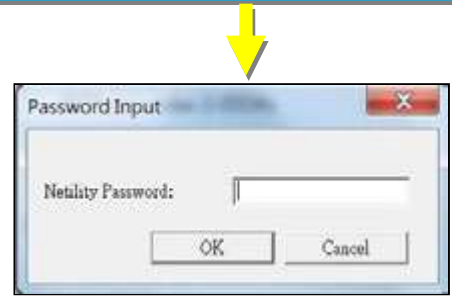
Columns requires to be entered for Static IP address

Configure dialog box fields:

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

Upgrade Single NetAgent Selection of Multi-NetAgent Upgrade consecutive NetAgent

1. Select .bin file

2. Click on Download

3. Upgrade message

4. Cancel to exit

Serial Number	MAC Address	IP Address
392730290	00-03-EA-11-45-FD	192.168.0.29
3927145099	00-03-EA-13-7A-8B	192.168.0.34
3927150530	00-03-EA-13-8F-C2	192.168.0.107
3927154045	00-03-EA-13-9D-7D	192.168.0.35
3927193225	00-03-EA-14-36-89	192.168.0.196
3927198066	00-03-EA-14-41-A3	192.168.0.132
3927211199	00-03-EA-14-84-6F	192.168.0.32
3927222097	00-03-EA-14-8D-09	192.168.1.130
3927302529	00-03-EA-15-E3-8E	192.168.0.21

Serial Number	MAC Address	IP Address
394529181	04-A3-16-8D-73-1F	192.168.0.238
392988676	00-03-EA-00-00-84	192.168.0.230
392988682	00-03-EA-00-00-8A	192.168.0.306
392988686	00-03-EA-00-00-8E	192.168.0.187
392988694	00-03-EA-00-01-74	192.168.0.38
392988655	00-03-EA-01-85-59	192.168.0.115
392988679	00-03-EA-01-DA-58	192.168.0.122
392988685	00-03-EA-01-F5-2F	192.168.0.212
392988654	00-03-EA-03-7D-12	192.168.0.175

Device	Download Status
3927225097	Download Successfully

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	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 06:22:30		
Uptime	23:47:34		

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			

Latest Events: [06:40:24] Server address can not be resolved. [00:40:10] UPS communication has been lost. [08:22:48] UPS communication has been lost.

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)

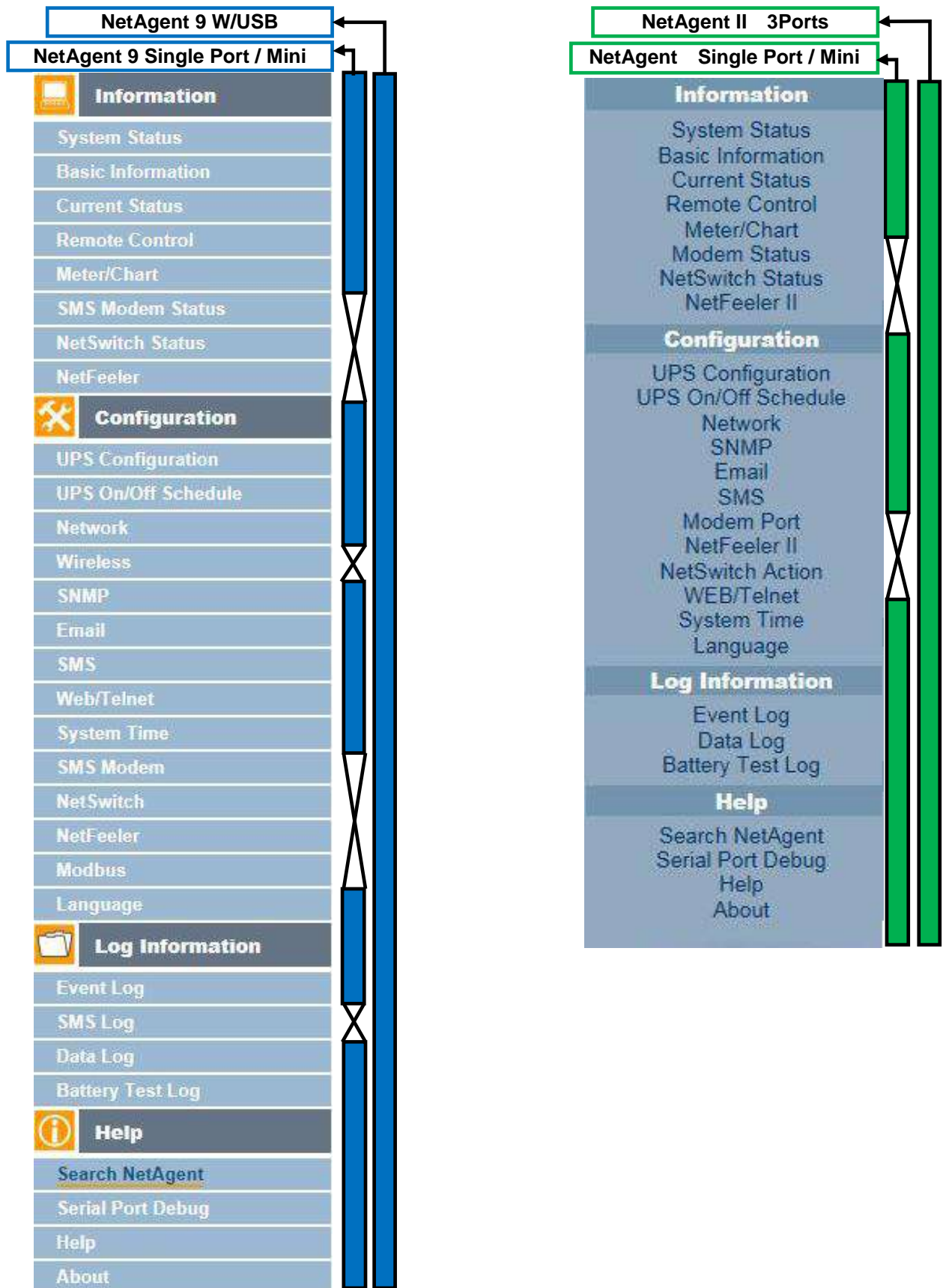
Network Status

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			

■ Web Interface Display



4.3.2 NetAgent Option Directory Structure



4.3.3 snmp CARD Setting Options

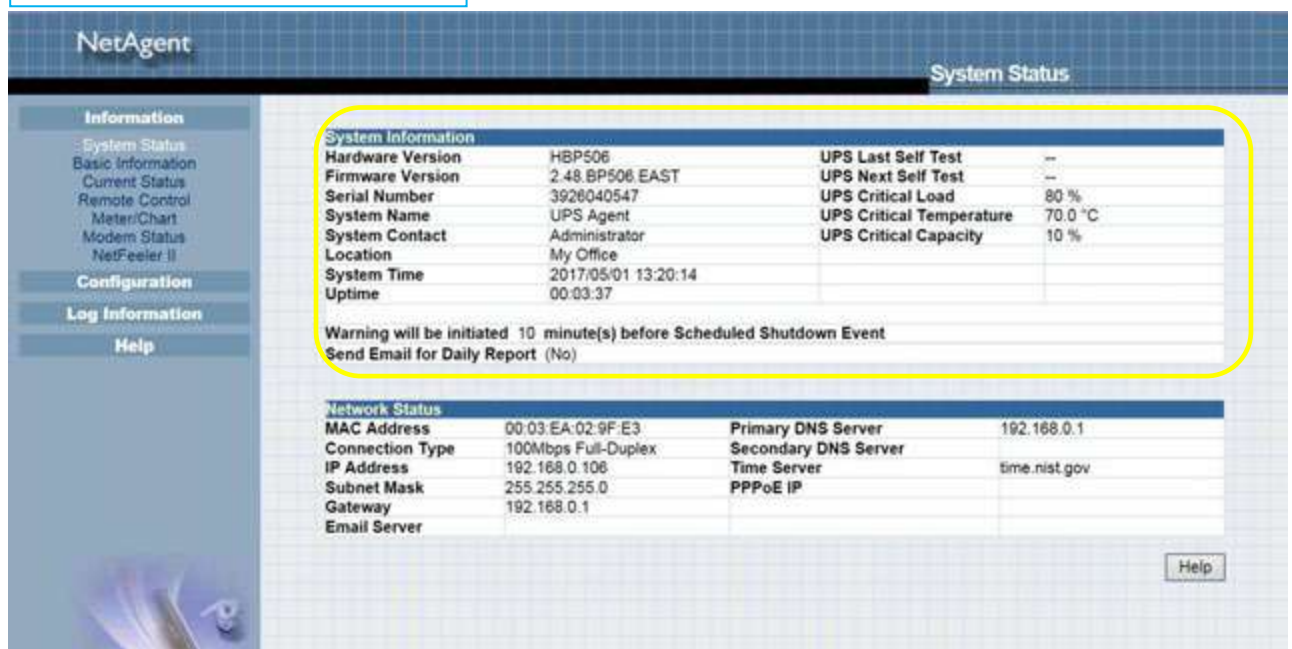
- Information > System Status
- **System Information**

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

NetAgent 9 Mini & NetAgent 9



NetAgent Mini & NetAgent II



- **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 in the NetAgent 9 Mini & NetAgent 9 interface. The left sidebar contains navigation options: Information, 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, 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 in the NetAgent Mini & NetAgent II interface. The left sidebar contains navigation options: Information, Configuration, Log Information, and Help. The main content area is titled '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.

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



The screenshot displays the 'Basic Information' page for NetAgent 9 Mini & NetAgent 9. The left sidebar contains navigation options: Information (selected), Configuration, Log Information, and Help. The main content area is titled 'Information > Basic Information' and is divided into three sections: UPS Information, Battery Information, and Rating Information. Each section contains a table of key-value pairs.

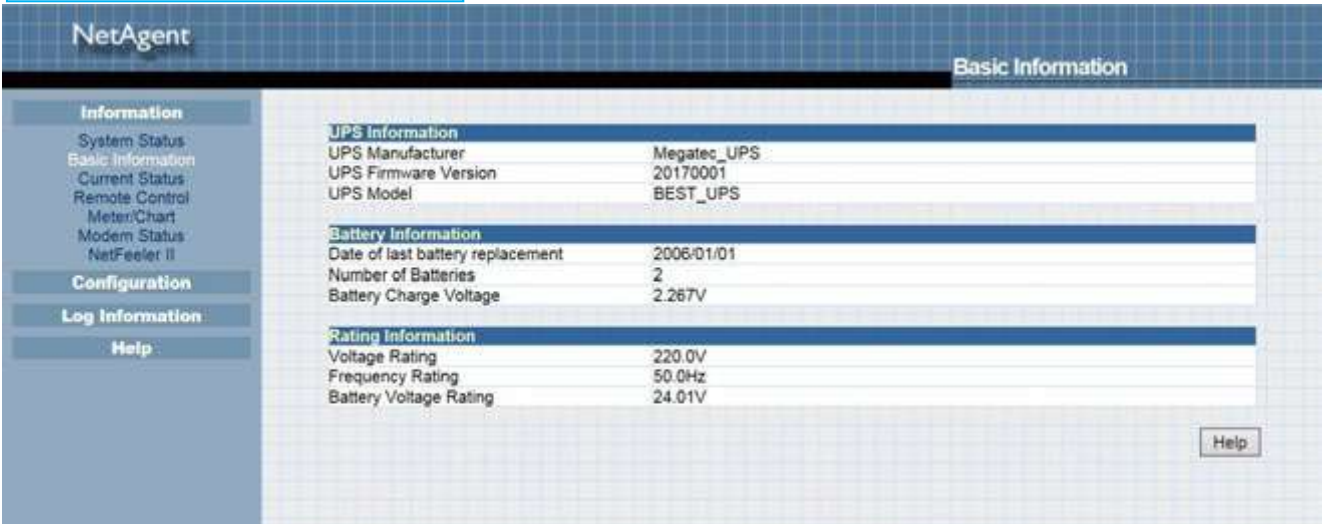
UPS Information	
UPS Manufacturer	Megatec_UPS
UPS Firmware Version	20170001
UPS Model	BEST_UPS

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

A 'Help' button is located at the bottom right of the main content area.

NetAgent Mini



The screenshot displays the 'Basic Information' page for NetAgent Mini. The left sidebar contains navigation options: Information (selected), Configuration, Log Information, and Help. The main content area is titled 'Basic Information' and is divided into three sections: UPS Information, Battery Information, and Rating Information. Each section contains a table of key-value pairs.

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

Battery Information	
Date of last battery replacement	2008/01/01
Number of Batteries	2
Battery Charge Voltage	2.267V

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

A 'Help' button is located at the bottom right of the main content area.

■ **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 Fails', '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 '10-Second Test' option to the 'Apply' 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 Fails', '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 '10-Second Test' option to the 'Apply' 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	Value
Input Volt(V)	18:58:21
Output Volt(V)	18:58:21
Temperature	18:58:21
Frequency(Hz)	18:58:21
Load(%)	18:58:21
Capacity(%)	18:58:21

NetAgent Mini & NetAgent II

NetAgent
Meter/Chart

Information

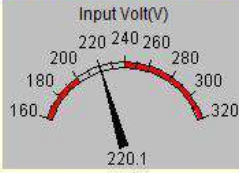
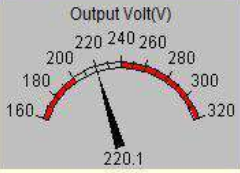
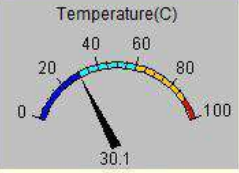
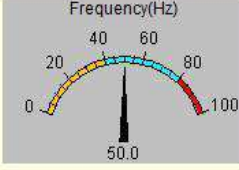
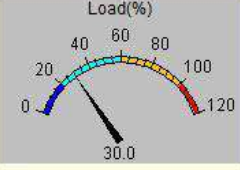
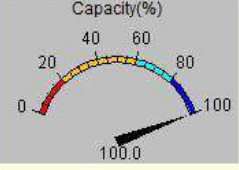
System Status
Basic Information
Current Status
Remote Control
Meter/Chart
Modem Status
NetFeeler II

Configuration

Log Information


Help

Single-Phase UPS Data Code Table

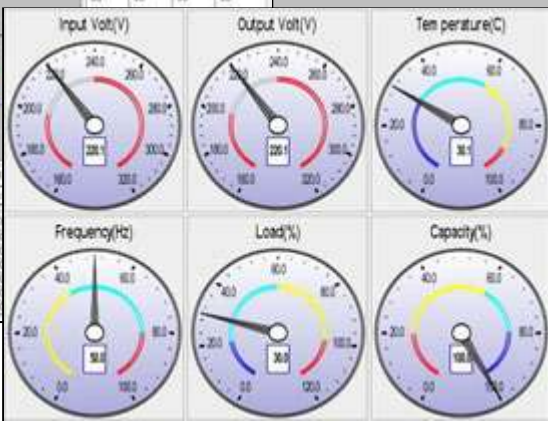
 <p>Input Volt(V) 220.1</p>	 <p>Output Volt(V) 220.1</p>	 <p>Temperature(C) 30.1</p>
 <p>Frequency(Hz) 50.0</p>	 <p>Load(%) 30.0</p>	 <p>Capacity(%) 100.0</p>

Single-Phase UPS Data Graphics

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



Time-t	Value-t	Unit
Input Volt(V)	18:58:21	0.00
Output Volt(V)	18:58:21	0.00
Temperature	18:58:21	0.00
Frequency(Hz)	18:58:21	0.00
Load(%)	18:58:21	0.00
Capacity(%)	18:58:21	0.00



■ **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

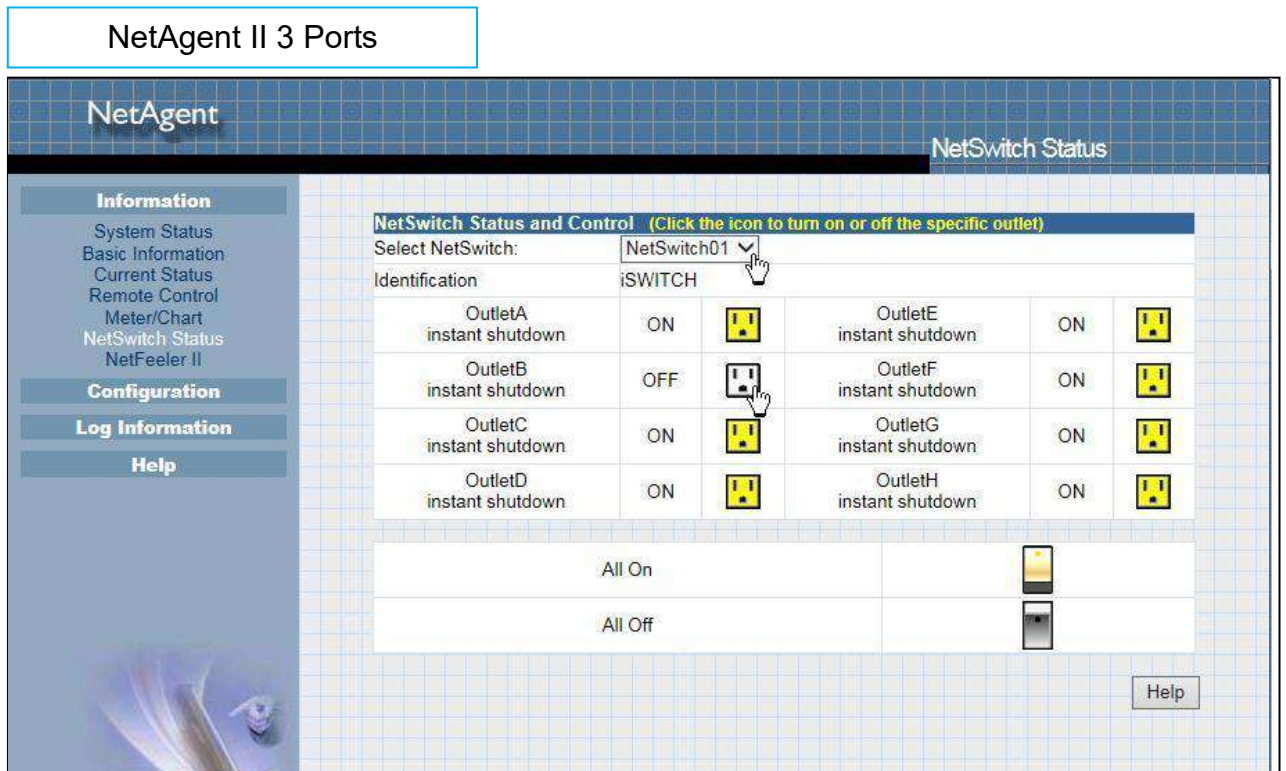
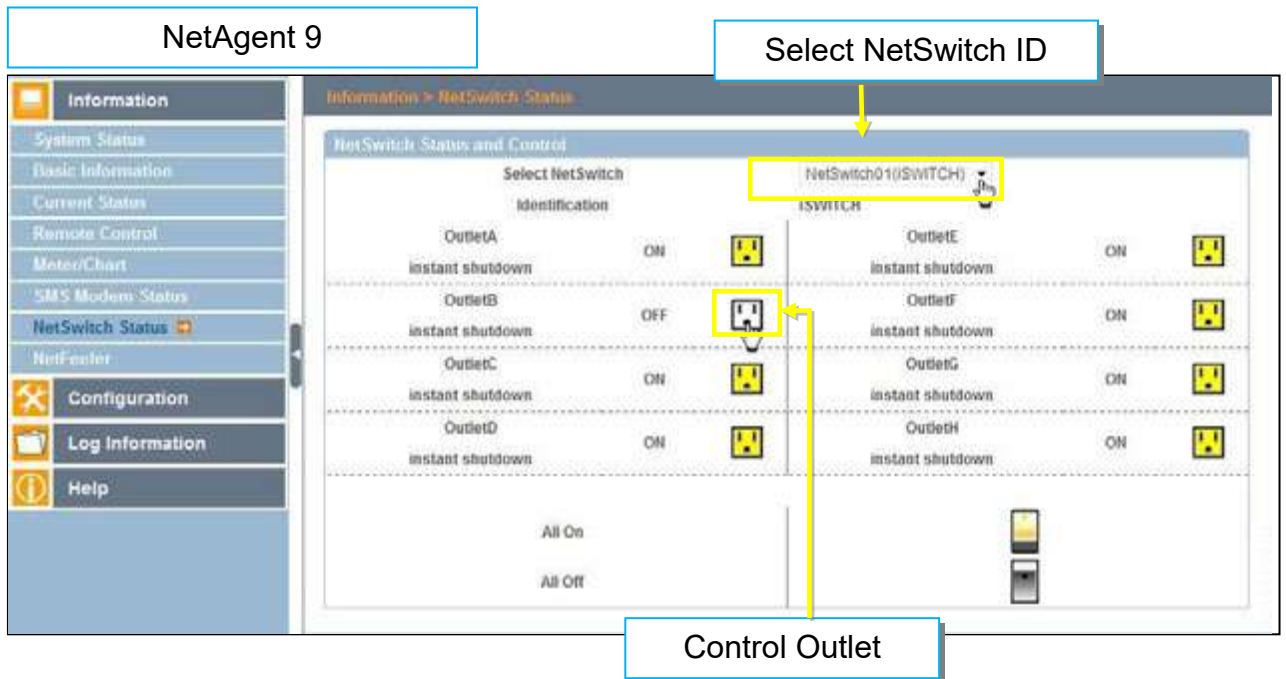
NetAgent II 3 Ports

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



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

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

NetAgent 9 3PORTS

The screenshot shows the NetAgent 9 3PORTS interface. On the left is a navigation menu with 'Information' selected. The main content area is titled 'Information > NetFeeler'. It displays a table of environmental and security status. The 'Water Status' is highlighted in red as 'Alarm'. Below the table are 'Reset Alarm' and 'Help' buttons, and a 'Refresh status every' dropdown 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 shows the NetAgent II 3 Ports interface. The left navigation menu has 'Information' selected. The main content area is titled 'NetAgent II' and 'NetFeeler II'. It displays a table of environmental and security status. The 'Water Status' is highlighted in red as 'Alarm'. Below the table are 'Reset Alarm' and 'Help' buttons, and a 'Refresh status every' dropdown set to 10 seconds.

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)

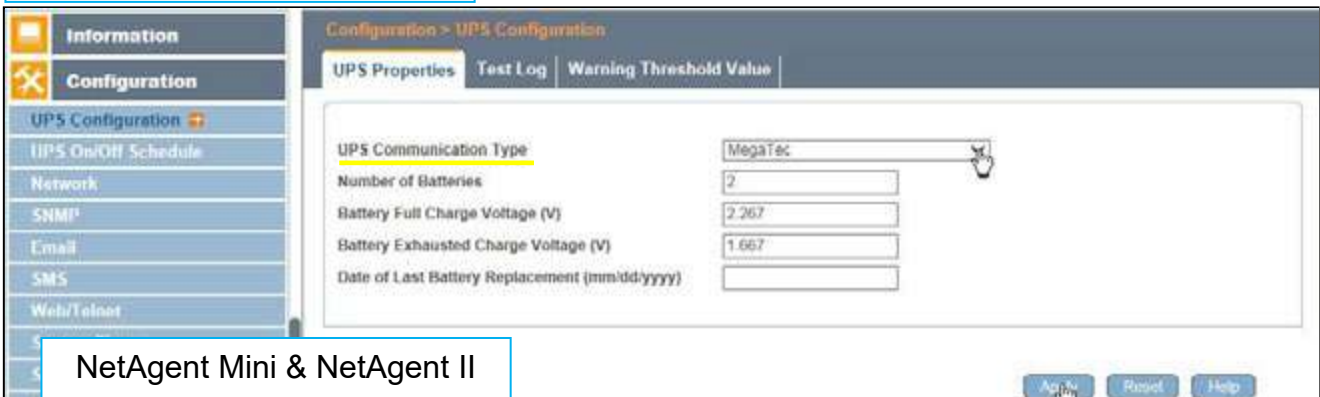
Battery Exhausted Charge Voltage(V) :

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

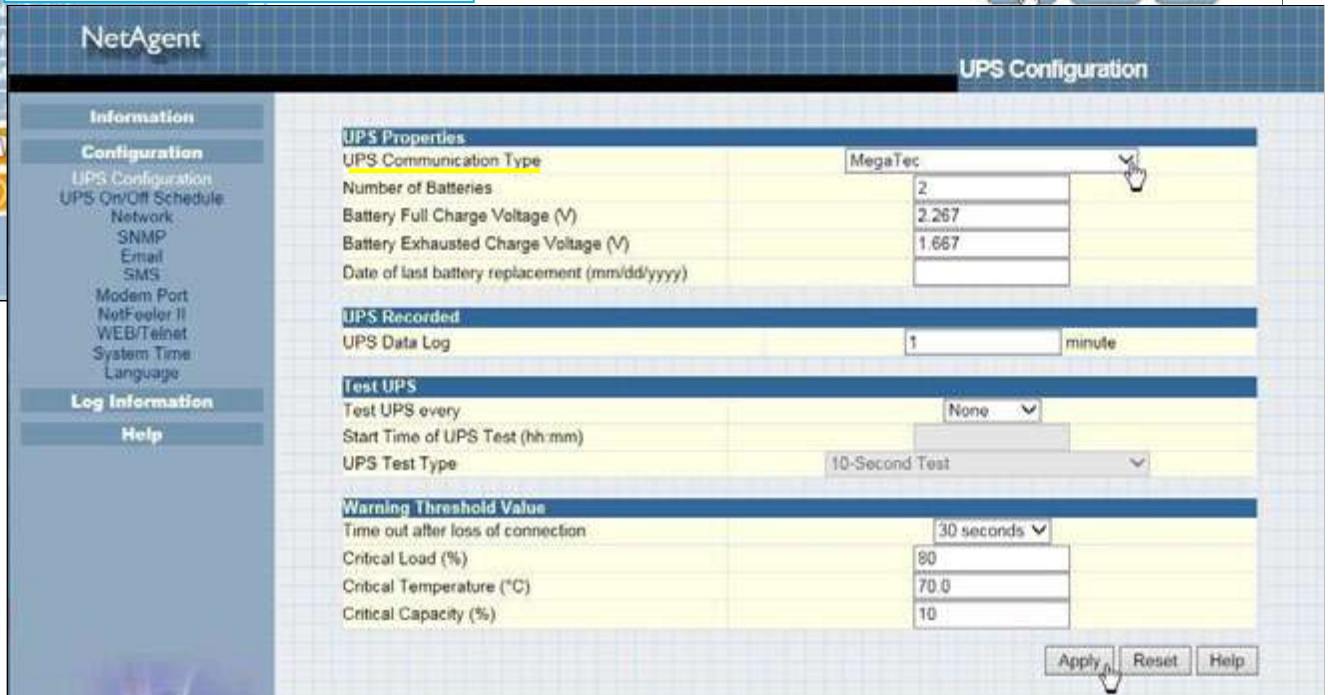
Date of Last Battery replacement(mm/dd/yyyy) :

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

NetAgent Mini & NetAgent II

- 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

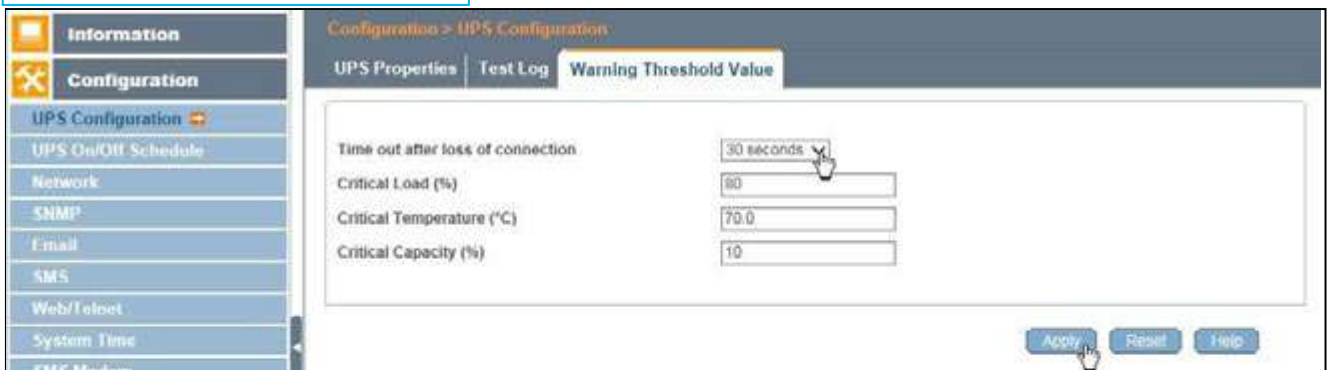
UPS Temperature (°C) :

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

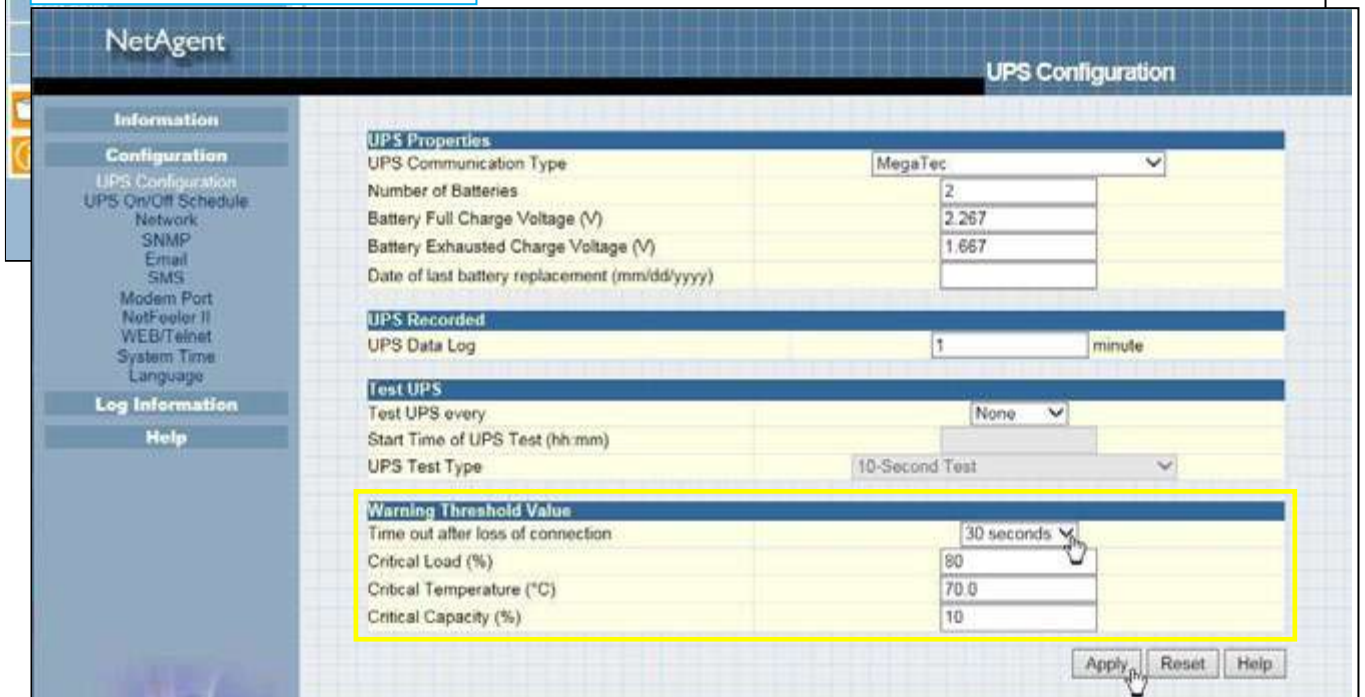
Critical Capacity (%) :

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

Configuration > UPS On/Off Schedule

UPS Action | **Weekly Schedule** | Date Schedule | Wake On Lan

	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

Apply Reset Help

NetAgent Mini & NetAgent II

NetAgent

UPS On/Off Schedule

Weekly Schedule

	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

Date Schedule

Date (yyyy/mm/dd)	Turn On (hh:mm)	Turn Off (hh:mm)

Warning will be initiated before Scheduled Shutdown Event

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 'Date Schedule' configuration page in NetAgent 9. 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 the '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 'Date Schedule' configuration page in NetAgent Mini & NetAgent II. The interface has a blue header with 'NetAgent' and 'UPS On/Off Schedule'. The left sidebar contains navigation menus for Information, Configuration, Log Information, and Help. The main content area is titled 'Date Schedule' and displays 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 the '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

2. Click [Apply.]

3. MAC address will be automatically searched

4. [Test]

Condition to wake UPS

Host	IP	MAC	Action
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

Warning will be initiated 10 minutes before Scheduled Shutdown Event

Date (yyyy/mm/dd)	Turn On (hh:mm)	Turn Off (hh:mm)
2017/05/06	05:00	23:00
2017/06/08	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

Host	IP	MAC	Action
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



NetAgent Mini & NetAgent II

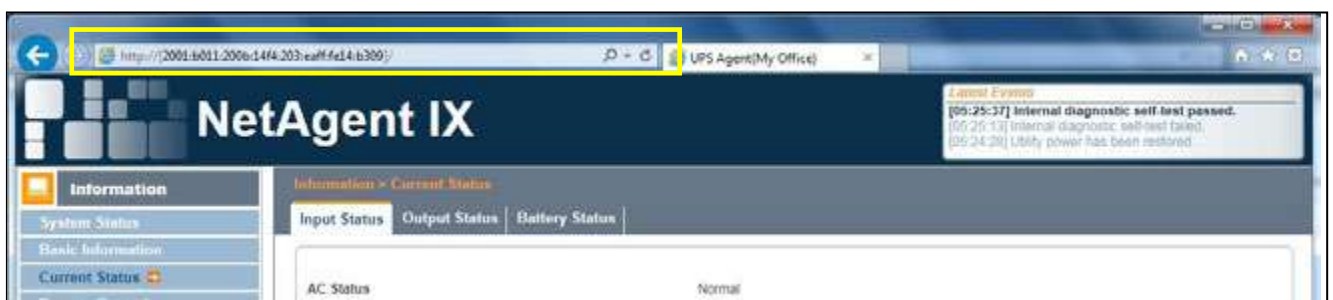


- IPv6

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



- Ethernet

Connection Type

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

✳️ Once click on Apply, NetAgent will reboot

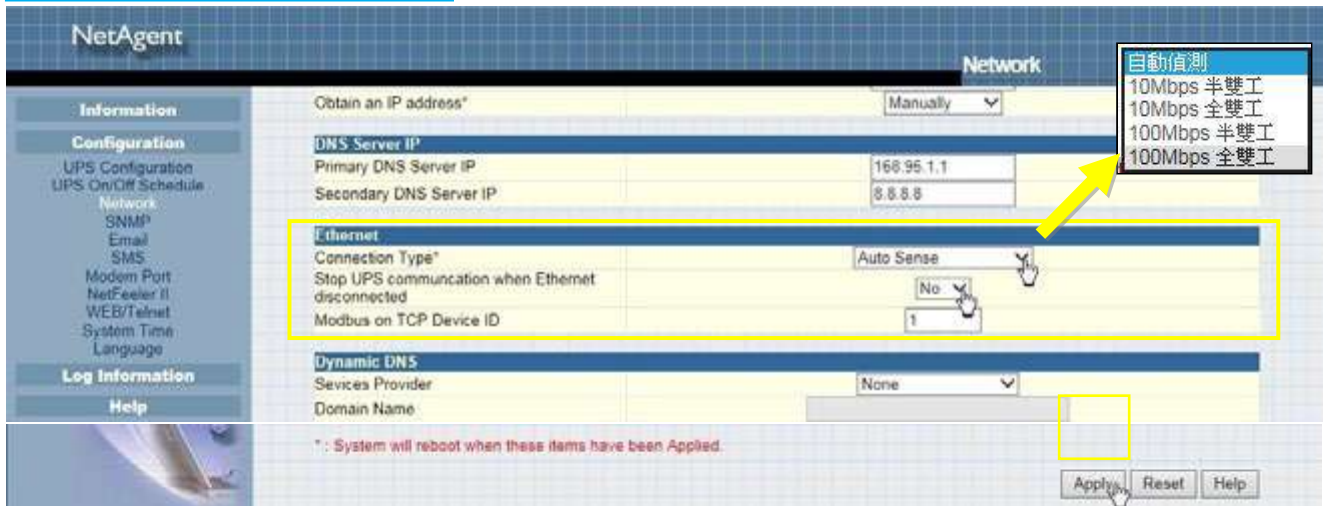
Stop UPS communication when Ethernet disconnected

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

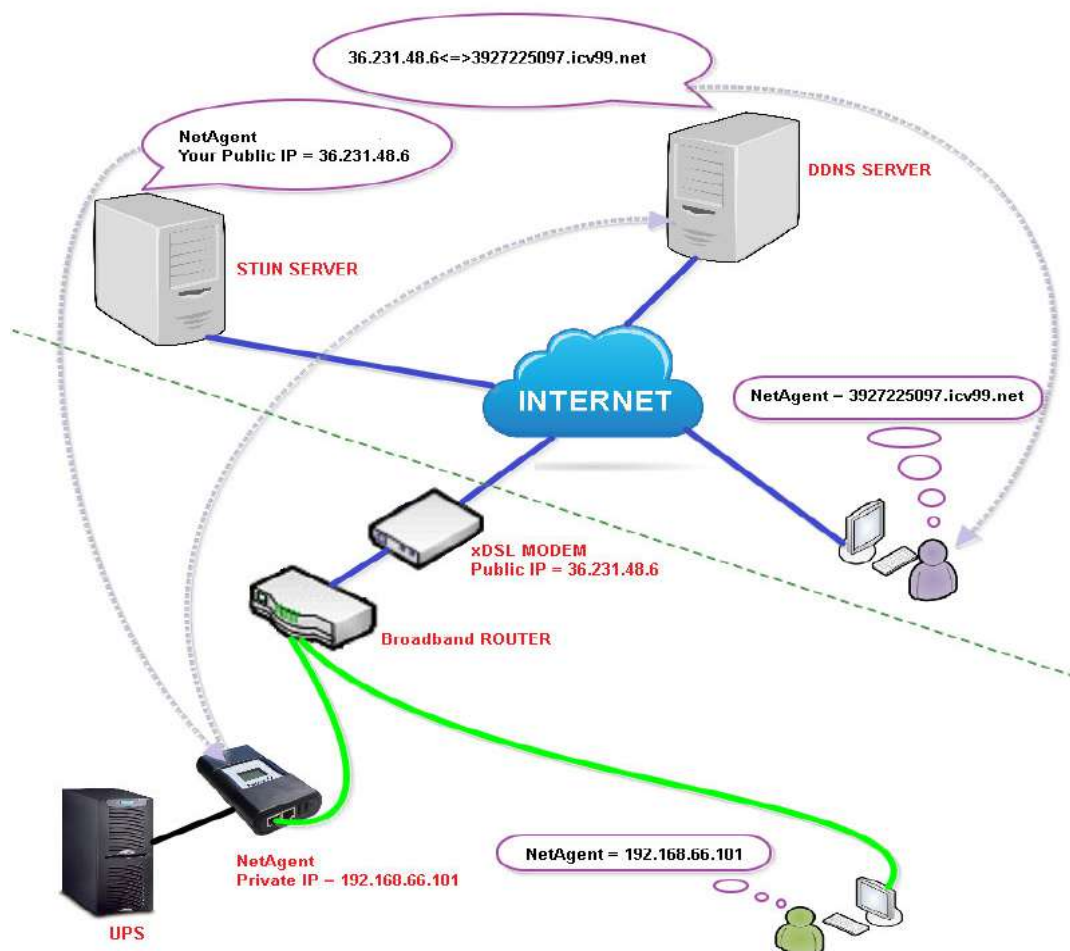
This is the Login / Account name that you have created with the selected DDNS provider.

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: 3927225007 icv99.net
 Login Name: 3927225007
 Login Password: *****
 Use external STUN server to get Public IP to register: No
 Primary STUN Server IP: 211.107.53
 Secondary STUN Server IP: [Empty]

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

NetAgent 9
 S/N:Y-3927225007 Model:BY50L
 MAC:00-03-EA-14-B2-E0
 Password:24931D03

NetAgent Mini & NetAgent II

1.Select icv99.net

2.Enter Password

3. Click Apply

IP Address
 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: *****
 Use external STUN server to get Public IP to register: Yes
 Primary STUN Server IP: 211.21.67.63
 Secondary STUN Server IP: [Empty]

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

NetAgent II
 S/N:T-3926404591 Model:BT50G
 MAC:00-03-EA-08-2D-EF
 Password:2BB1ED12

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

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

NetAgent 9 Mini & NetAgent 9

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

Current Status

Refresh status every: 10 seconds

UPS Status	UPS Normal
Input 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 Status	
Output Voltage	220.1 V
Output Status	Online
UPS load	10 %
Battery Status	
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	--

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



Dynamic Domain Name Server (DDNS) Logout

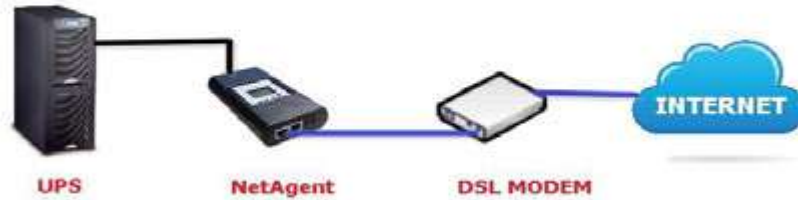
Step1 : Registration Step2 : Set Domain Name and Click Done

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 x	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

Select Connect Always

Enter Login Name

Enter Password

NetAgent Mini & NetAgent II

Select Connect Always"

Disabled Connect always

Enter Login Name

Enter Password

■ **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

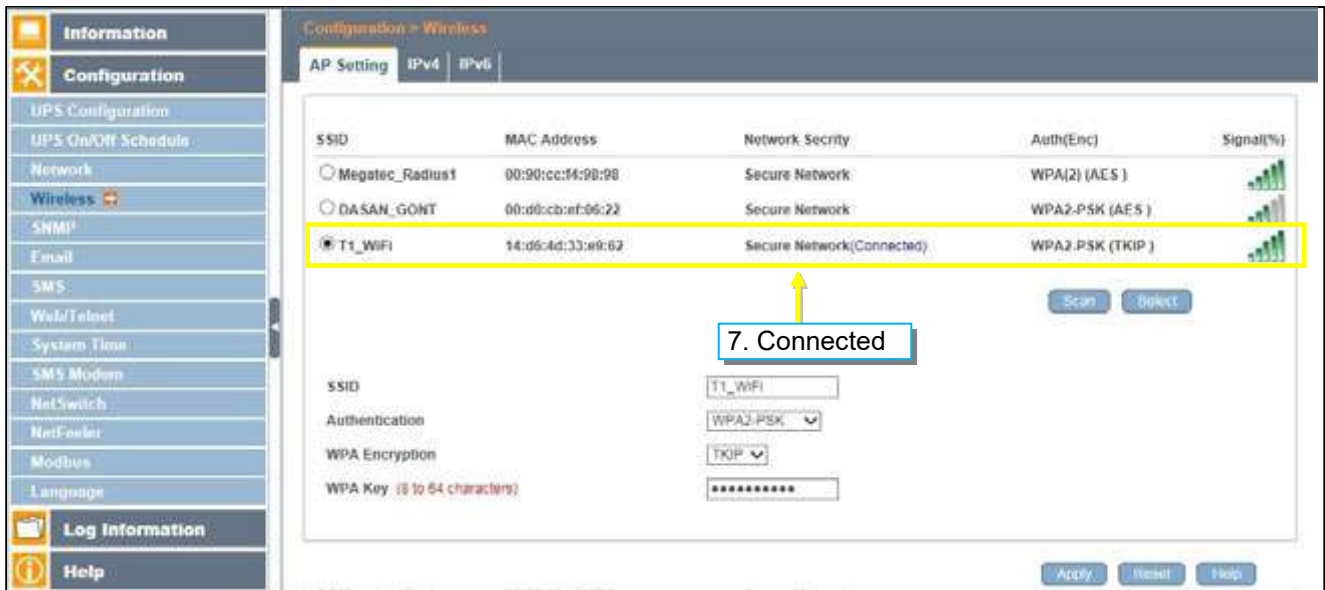
The screenshot shows the 'Configuration > Wireless' page with the following table of APs:

SSID	MAC Address	Network Security	Auth(Enc)	Signal(%)
<input type="radio"/> Megatec_Radius1	00:00:0c:14:98:08	Secure Network	WPA2(AES)	[Signal Icon]
<input type="radio"/> DASAN_GONT	00:d0:cb:ef:06:22	Secure Network	WPA2-PSK (AES)	[Signal Icon]
<input checked="" type="radio"/> T1_Wifi	14:d0:4d:33:e9:62	Secure Network	WPA2-PSK (TKIP)	[Signal Icon]

The configuration form for the selected AP (T1_Wifi) includes the following fields and options:

- SSID: T1_Wifi
- Authentication: WPA2-PSK
- WPA Encryption: TKIP
- WPA Key (8 to 64 characters): [Redacted]

The configuration form also includes buttons for 'Apply', 'Reset', and 'Help'. A large blue arrow points downwards from the configuration form, indicating the next step in the process.



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

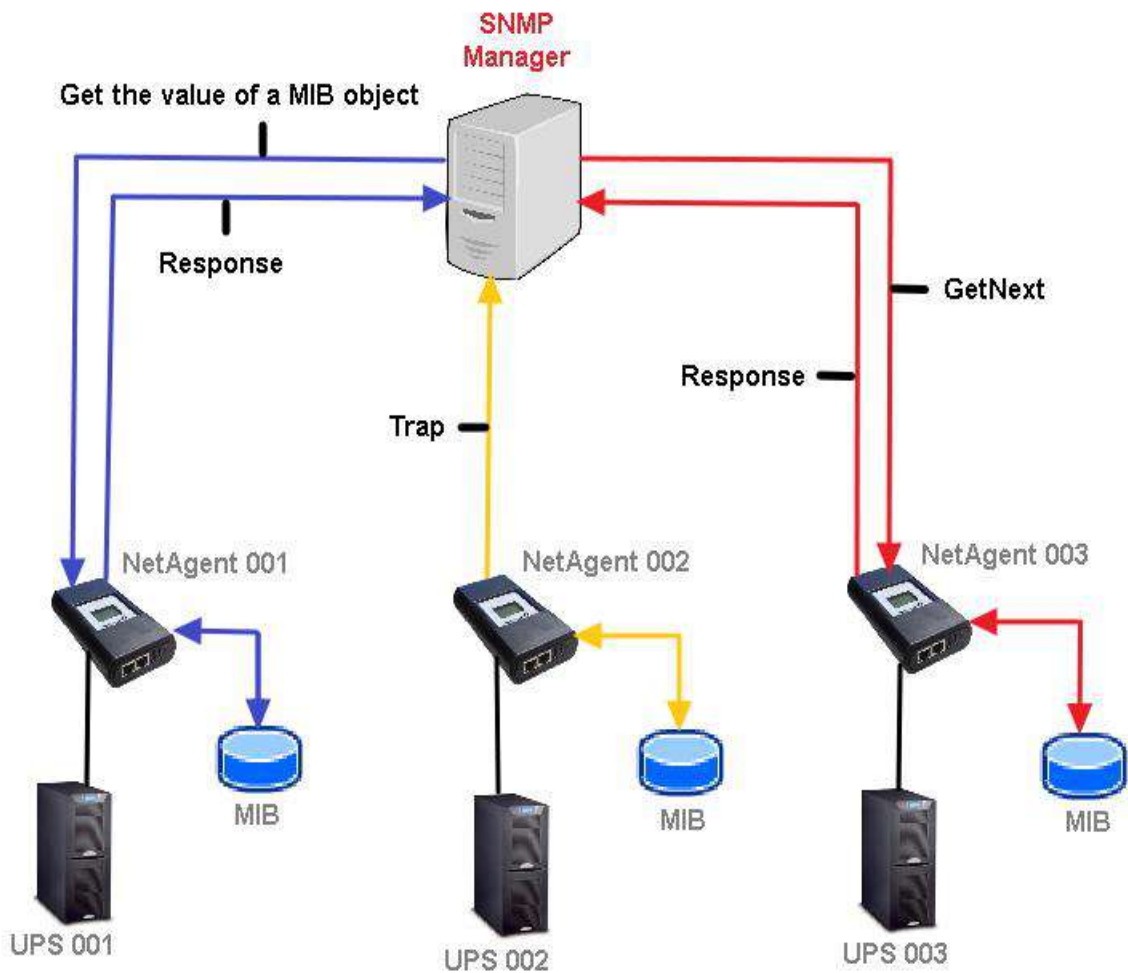


■ Configuration > SNMP

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

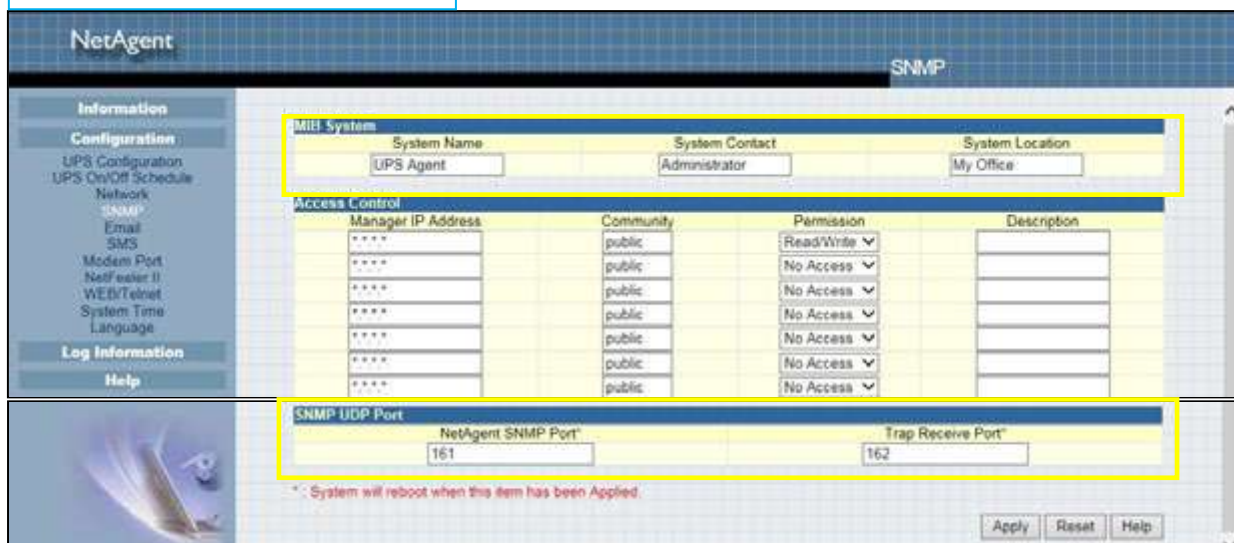
NetAgent 9 Mini & NetAgent 9

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: LIPS 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)

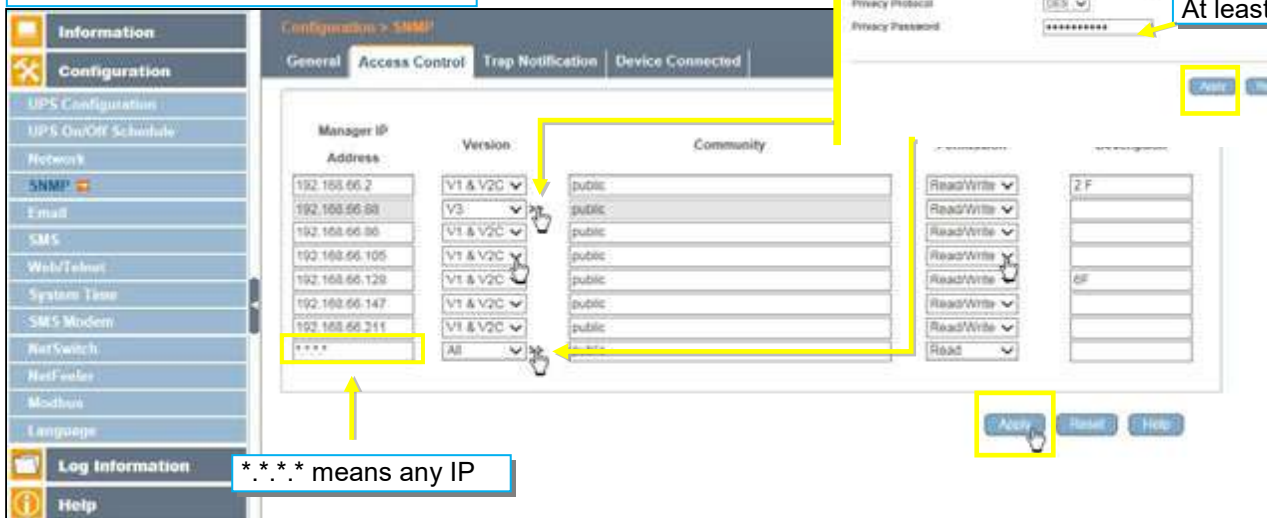
Permission :

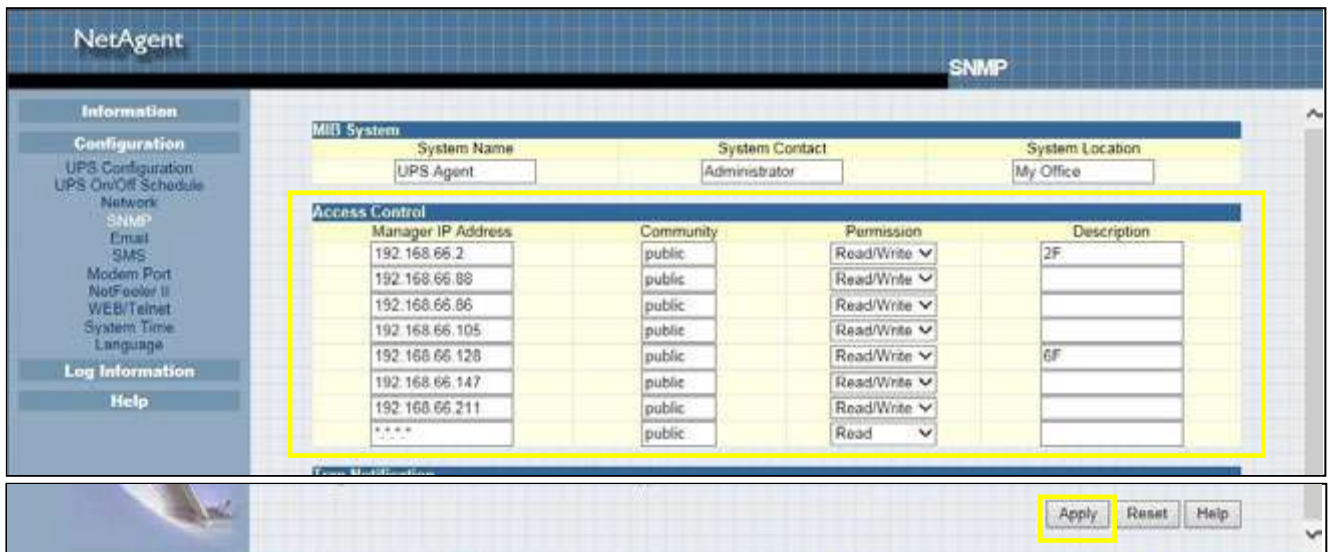
This is to set authorities of administrators. Options are Read, Read/Write, and No Access.

Description :

This is to make note for administrator's reference

NetAgent 9 Mini & NetAgent 9





- 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)

NetAgent Mini & NetAgent II

The screenshot shows the NetAgent configuration page for SNMP. The 'Trap Notification' table is highlighted with a yellow box. Callouts indicate the following settings:

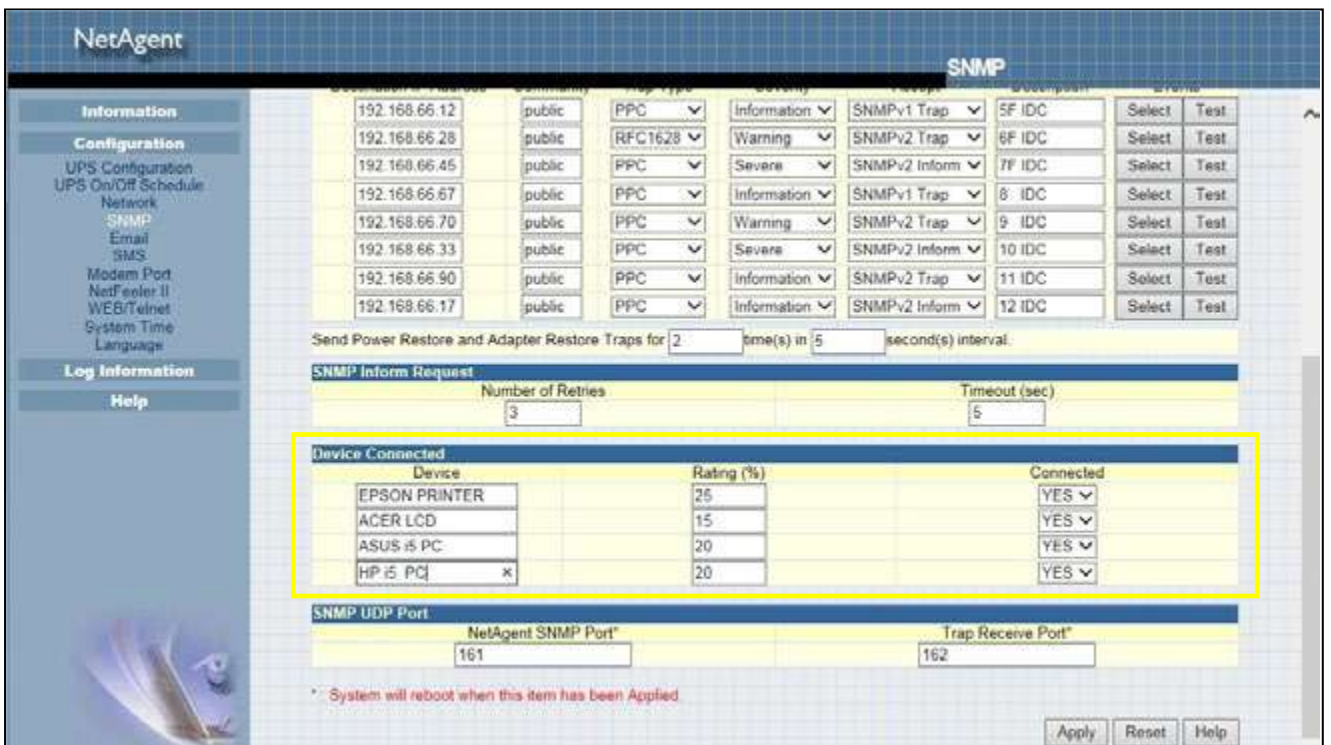
- Trap Type:** PPC RFC1628
- Severity:** Information, Warning, Severe
- Accept:** No SNMPv1 Trap, SNMPv2 Trap, SNMPv2 Inform

Destination IP Address	Community	Trap Type	Severity	Accept	Description	Events
192.168.66.12	public	PPC	Information	SNMPv1 Trap	5F IDC	Select Test
192.168.66.26	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

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"/>

- 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 :

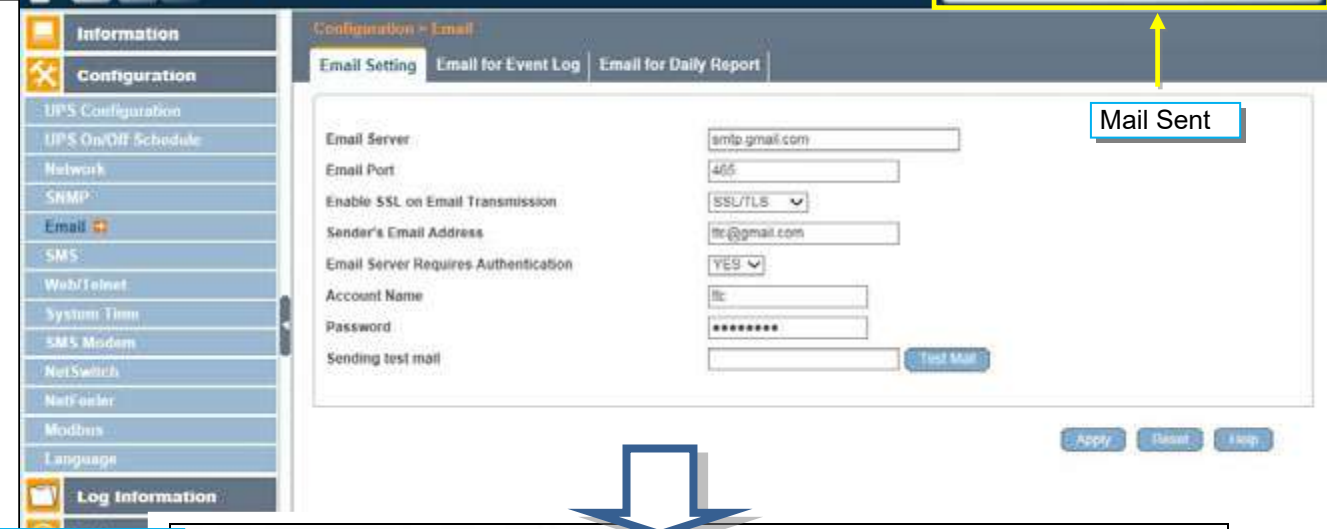
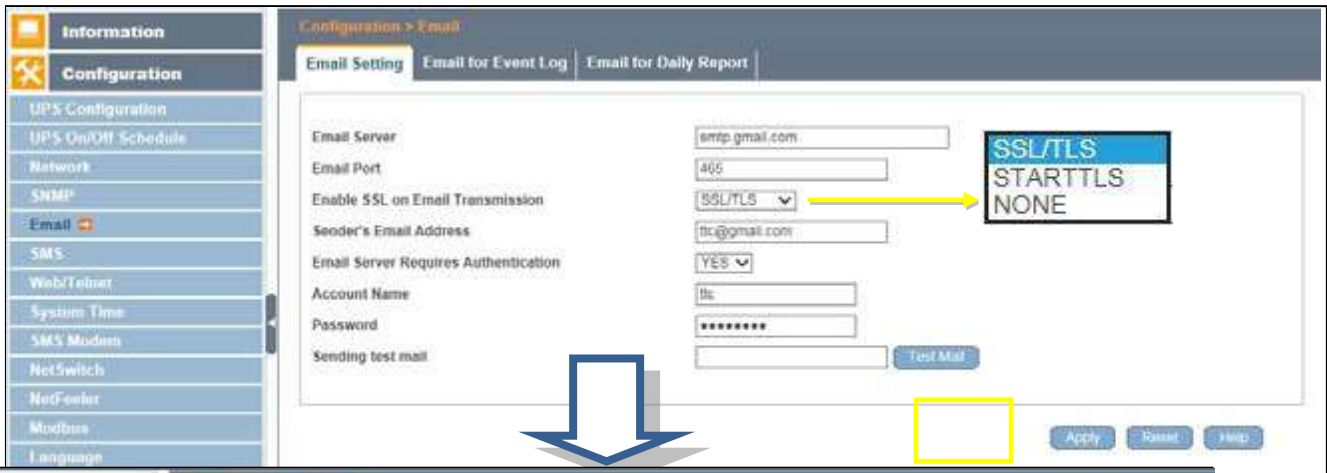
If authentication is required, enter its account name

Password :

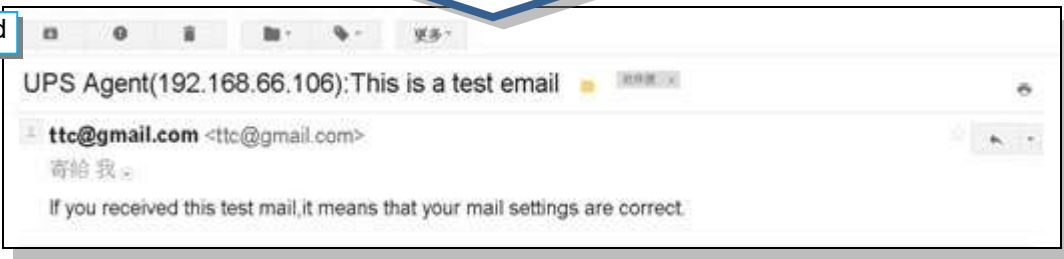
If authentication is required, enter its password

Sending Test Mail :

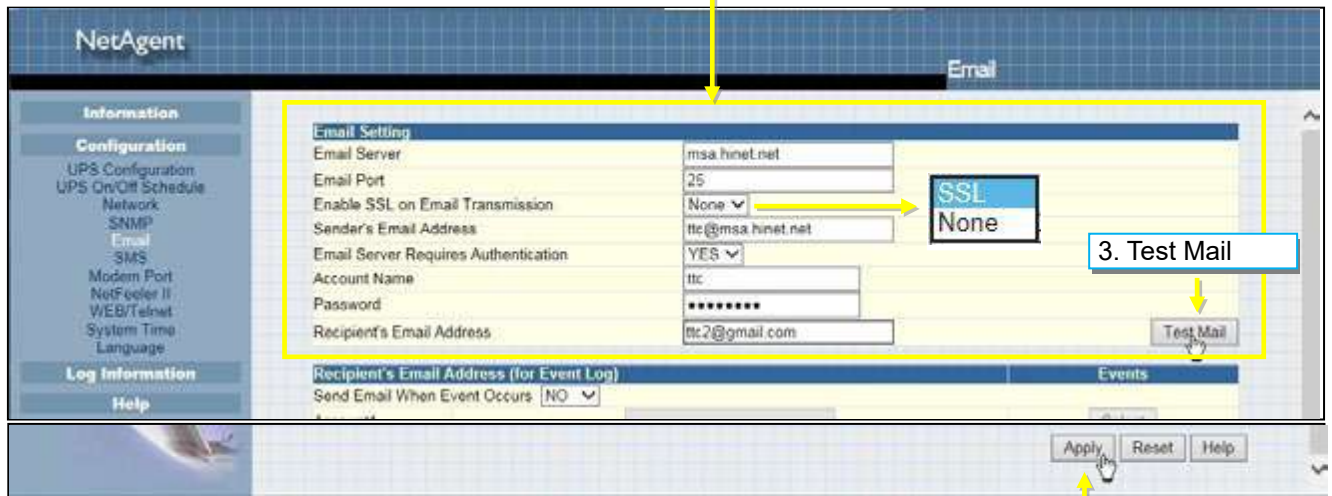
Enter email address to check all configuration is correct or not to receiving mail



Test Email Received



1. Enter Mail Server



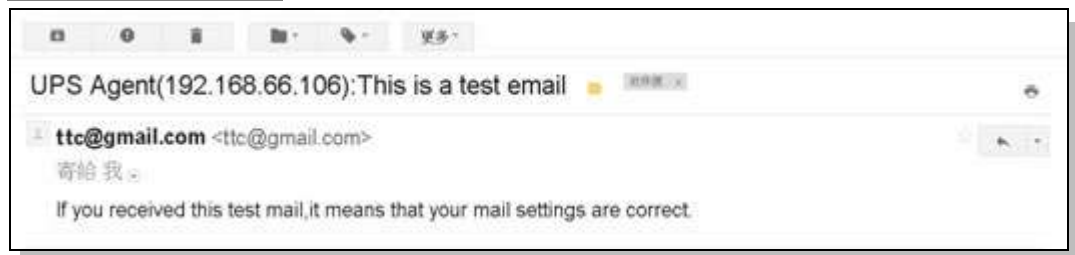
The screenshot shows the NetAgent configuration interface for email settings. The 'Email Setting' section is highlighted with a yellow box. The fields are as follows:

Field	Value
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

Annotations include: '1. Enter Mail Server' pointing to the Email Server field; '3. Test Mail' pointing to the Test Mail button; and '2. Click on Apply' pointing to the Apply button at the bottom right.

2. Click on Apply

Test Email Received



The screenshot shows an email received from 'UPS Agent(192.168.66.106)'. The sender is 'ttc@gmail.com <ttc@gmail.com>'. The subject is '寄給我' and the body text reads: 'If you received this test mail, it means that your mail settings are correct.'

- 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.lee@msa.hinet.net	Select

Buttons: Apply, Reset, Help

Select Event

UPS Events	Notifier II	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"/>
Notifier II			
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

Sender's Email Address: [redacted]

Email Server Requires Authentication: YES

Account Name: ttc

Password: [redacted]

Recipient's Email Address: [redacted] Test Mail

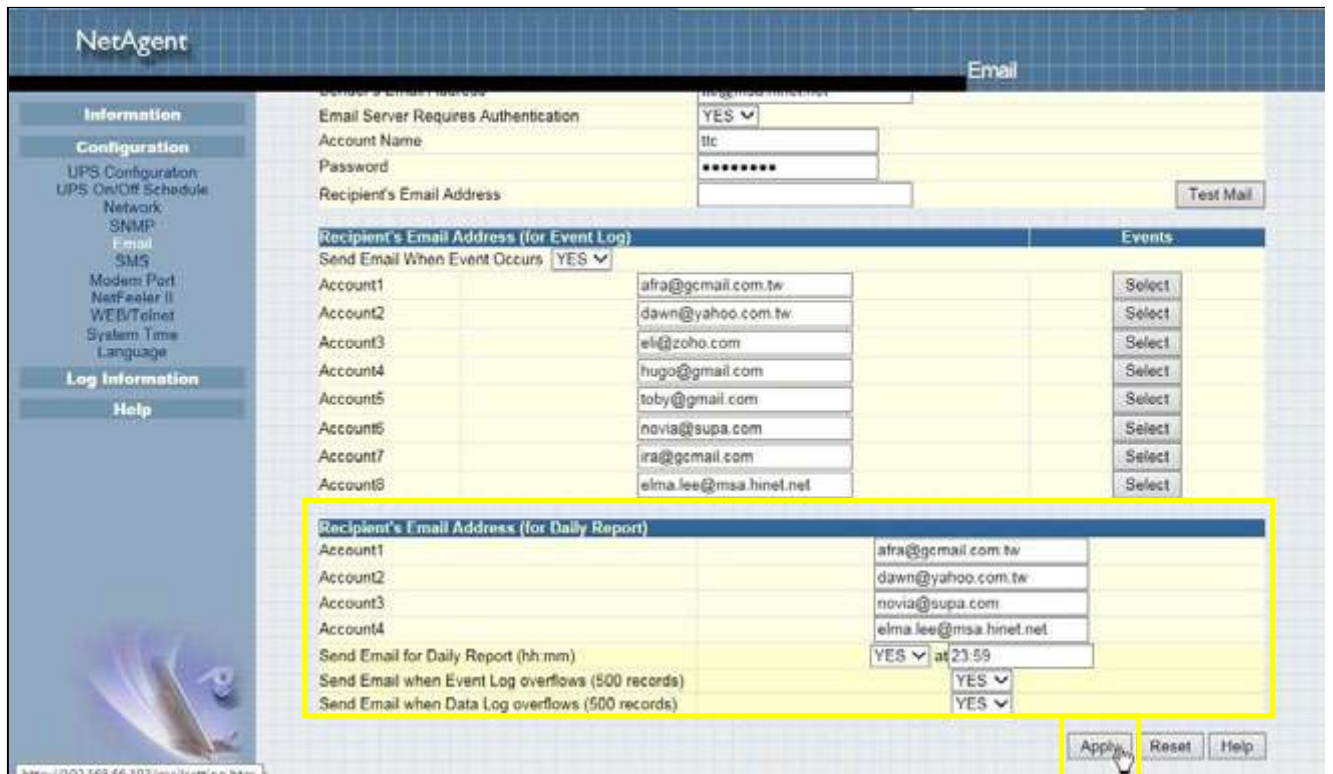
Account Name	Recipient's Email Address (for Event Log)	Events
Account1	afra@gmail.com.tw	Select
Account2	dawn@yahoo.com.tw	Select
Account3	eli@zoho.com	Select
Account4	hugo@gmail.com	Select
Account5	toby@gmail.com	Select
Account6	novia@supa.com	Select
Account7	ira@gmail.com	Select
Account8	elma.lee@msa.hinet.net	Select

Buttons: Apply, 清除, Help

- Email for Daily Report (To receive daily report)

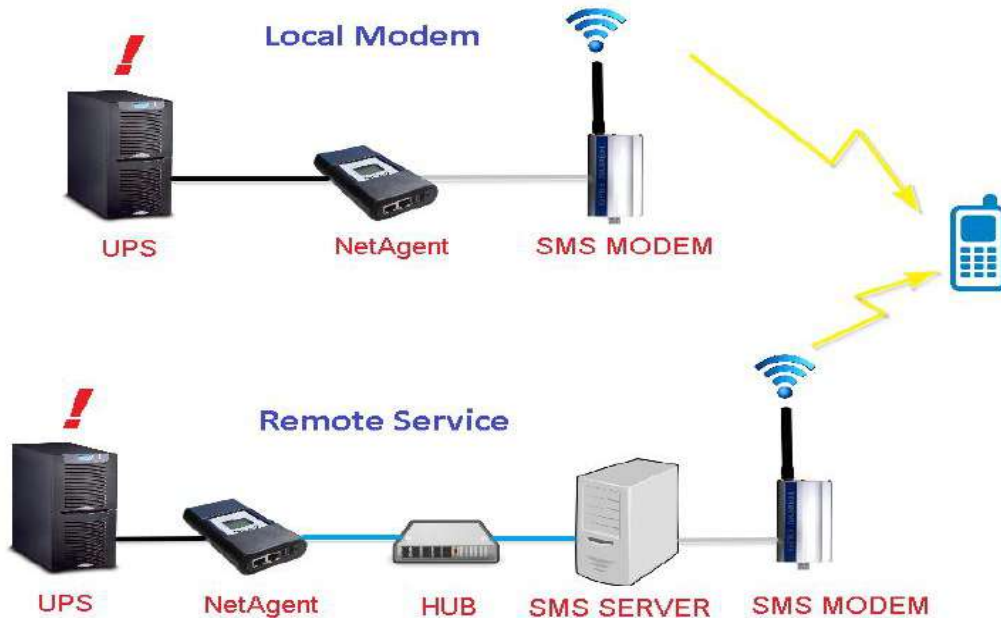
This section is to set Email Addresses to receive NetAgent's Daily Report at preset time. It is valid for up to 4 Email addresses. Daily report with content of event and data log.

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

Disable Use Local Modem Use Remote Service

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

Apply Reset Help

Remote Service

Configuration > SMS

SMS Setting Mobile for Event Log

Disable Use Local Modem Use Remote Service

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

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 'Mobile for Event Log' configuration page in NetAgent 9. The main area contains a table for assigning 8 cellular phone numbers, each with a 'Select' button. A yellow box highlights this table. Below the main area, two smaller windows show event selection options for 'UPS Events' and 'NetFeeler II' with 'Yes' and 'No' radio buttons. A third window shows a list of events with 'Yes' and 'No' columns.

Cellular Phone number	Number	Select
Cellular Phone number1	0987924136	Select
Cellular Phone number2	0922725208	Select
Cellular Phone number3	0916461726	Select
Cellular Phone number4	0933980600	Select
Cellular Phone number5	0912334579	Select
Cellular Phone number6	0987300988	Select
Cellular Phone number7	0955670091	Select
Cellular Phone number8	0917577633	Select

NetAgent II and NetAgent Mini

The screenshot displays the 'SMS Settings' configuration page in NetAgent II. The main area contains a table for 'Receiver cellular number(for Event Log)' with 8 cellular phone numbers and 'Events' with 'Select' buttons. A yellow box highlights this table. Below the main area, a third window shows a list of events with 'Yes' and 'No' columns.

Receiver cellular number(for Event Log)	Number	Events
Cellular Phone number 1	0987924136	Select
Cellular Phone number 2	0922725208	Select
Cellular Phone number 3	0916461726	Select
Cellular Phone number 4	0933980600	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 displays the 'Configuration > Web/Telnet' section of the NetAgent 9 Mini interface. The 'User Account' tab is active, showing a table of user accounts. A yellow box highlights the table and the 'Auto LogOff after idle for' field. A callout box shows a dropdown menu with options: No Access, Read, and Read/Write. A Windows Security dialog box is overlaid on the bottom right, showing a warning about basic authentication and fields for User name and Password.

User Name	Password	Permission	IP Filter
lgny	*****	Read/Write	****
ren	*****	Read/Write	****
novia	*****	Read	****
simi	*****	Read/Write	****
tity	*****	Read	192.168.06.06
ill	*****	Read/Write	192.168.06.108
cynthia	*****	Read/Write	192.168.06.33
		No Access	****

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

Windows Security

The server 192.168.06.103 is asking for your user name and password. The server reports that it is from 0:b:41e23d47.

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

User name:

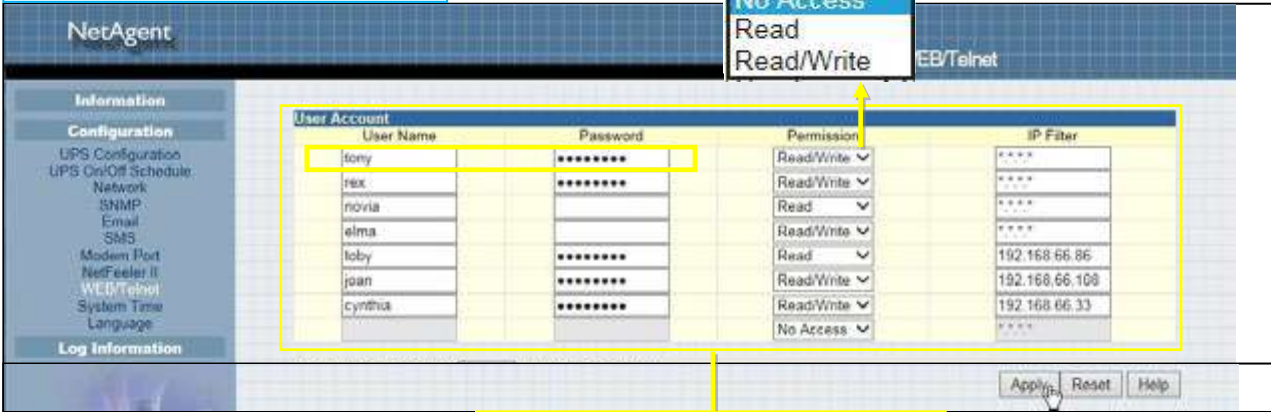
Password:

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 'Web/Telnet' configuration page for NetAgent 9 Mini. The 'SSL Information' tab is active, displaying the following settings:

- HTTPS Protocol:**
 - SSL v2:
 - SSL v3:
 - TLS v1.0:
 - TLS v1.1:
 - TLS v1.2:
- SSL Information:**
 - SSL Public Key: G:\netagent9_key [Browse] [Upload and Replace]
 - Public Key Length: 1024 bits
 - SSL Certificate: G:\netagent9_cert [Browse] [Upload and Replace]
 - Issued To: NetAgent
 - Issued By: NetAgent
 - Valid From: 2016-11-09
 - Valid Until: 2016-11-09

Annotations in the image include:

- 'Select Encryption Version' pointing to the SSL/TLS options.
- '1. Upload Public Key' pointing to the 'SSL Public Key' field.
- '2. Upload Certification' pointing to the 'SSL Certificate' field.

NetAgent Mini

The screenshot shows the 'WEB/Telnet' configuration page for NetAgent Mini. The 'SSL Public Key Information' and 'SSL Certificate Information' sections are highlighted with a yellow box:

- SSL Public Key Information:**
 - SSL Public Key: G:\NetAgentII_key [Browse] [Upload and Replace]
 - Public Key Length: 1024 bits
- SSL Certificate Information:**
 - SSL Certificate: G:\NetAgentII_cert [Browse] [Upload and Replace]
 - Issued To: NetAgent
 - Issued By: NetAgent
 - Valid From: 2014-04-24
 - Valid Until: 2016-04-23

Other visible settings include 'RADIUS Server Settings' and 'Auto LogOff after idle for 3 minute(s)'. A note at the bottom states: 'This upload function could not be used in P11 PC mode.'

The screenshot shows a browser security warning for the URL <https://192.168.66.133>. The warning text is in Chinese:

此網站的安全性憑證有問題。
 此網站出示的安全性憑證並非由信任的憑證授權單位所發行。
 此網站出示的安全性憑證是為其他網站的地址所發行的。
 安全性憑證問題可能表示其他人可能正在嘗試欺騙您，或是攔截您傳送給該伺服器的任何資料。
 我們建議您關閉此網頁，而且不要繼續瀏覽此網站。

Options provided:

- 按這裡關閉此網頁。
- 繼續瀏覽此網站 (不建議)。
- 其他資訊。

An annotation box 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

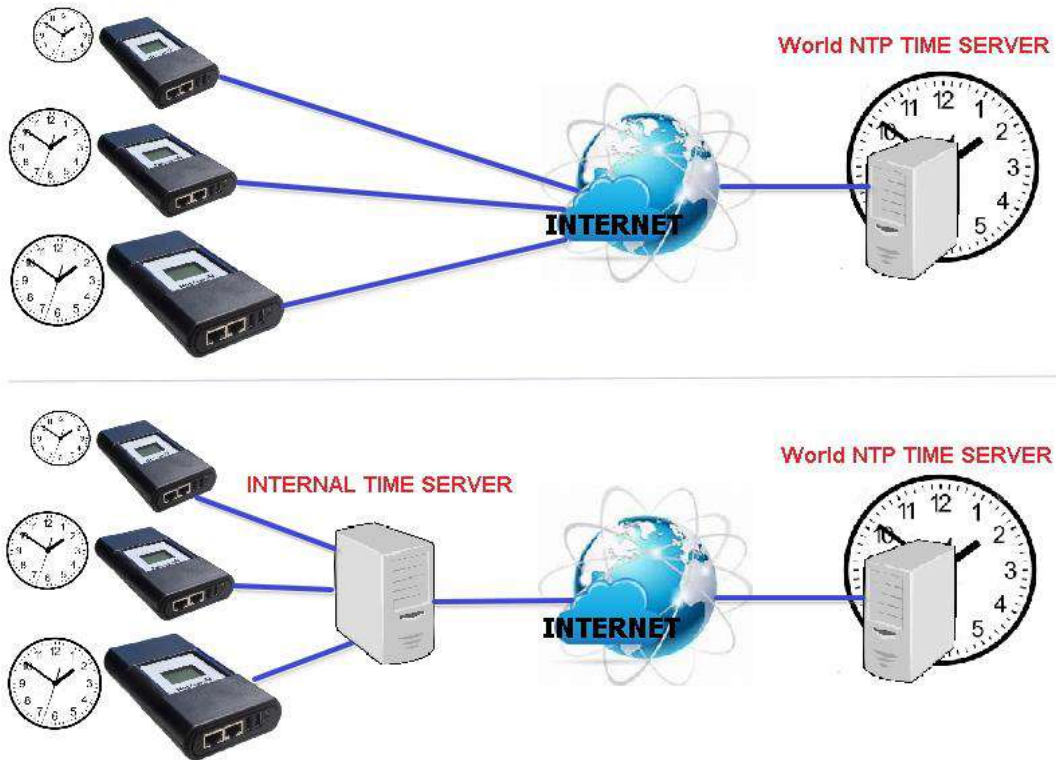


NetAgent Mini

The screenshot displays the NetAgent WEB/Telnet configuration interface. The left sidebar contains navigation options: Information, Configuration (with sub-items: UPS Configuration, UPS On/Off Schedule, Network, SNMP, Email, SMS, Modem Port, NetFeeler II, WEB/Telnet, System Time, Language), Log Information, and Help. The main content area is titled 'WEB/Telnet' and features a table with two columns and two rows, both containing 'No Access' in a dropdown menu. Below this is a setting for 'Auto LogOff after idle for 3 minute(s) (0: Disable)'. A yellow-bordered box highlights the 'RADIUS Server Settings' section, which includes: 'Enable RADIUS in Web/Telnet login' (YES), 'RADIUS Server Address' (192.168.66.5), 'Authentication Port' (1812), 'Shared Key' (masked with asterisks), 'Connection TimeOut' (5 second(s)), and 'Connection Retry' (3). At the bottom right of this section are 'Apply', 'Reset', and 'Help' buttons. Below the highlighted section 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

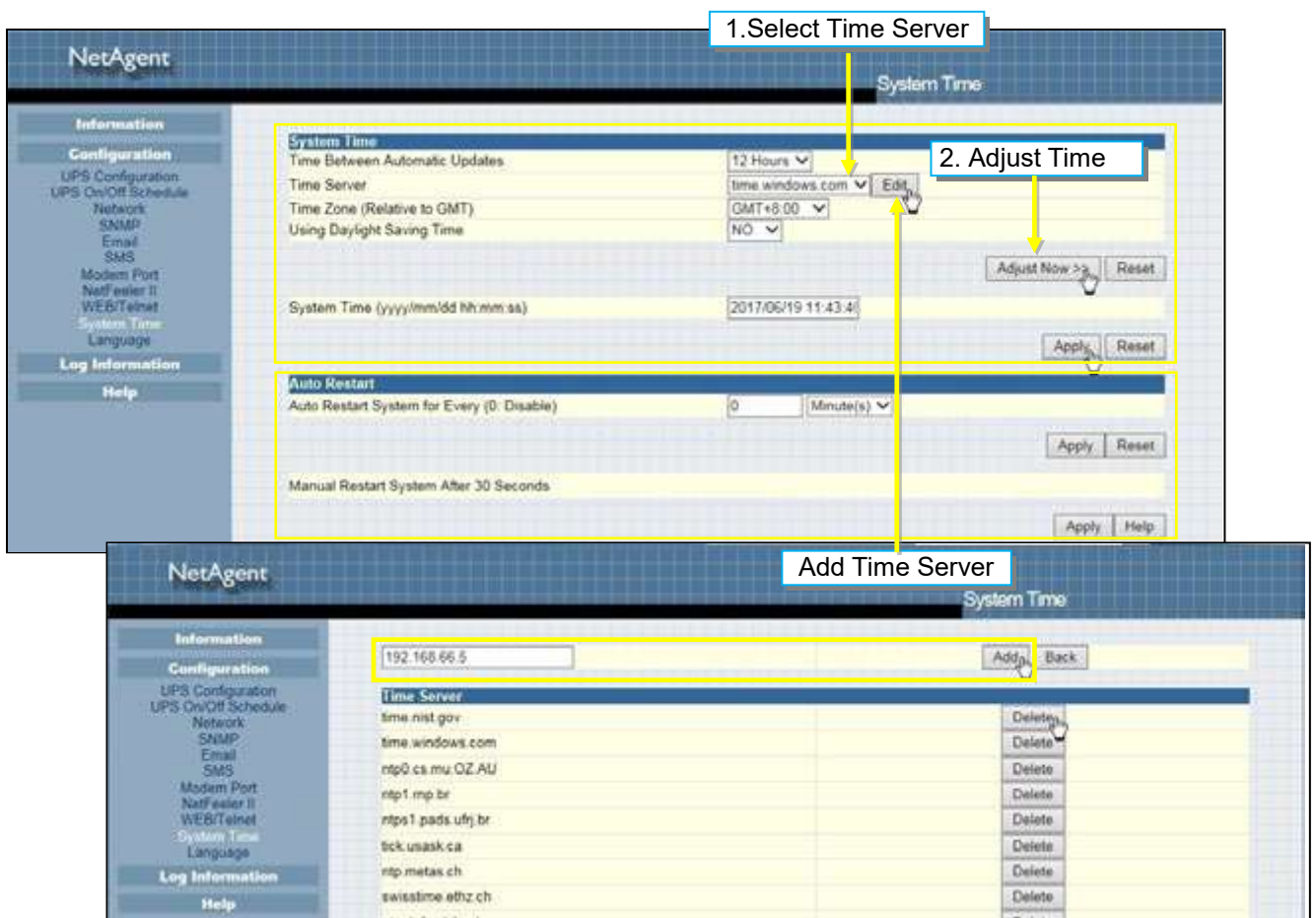
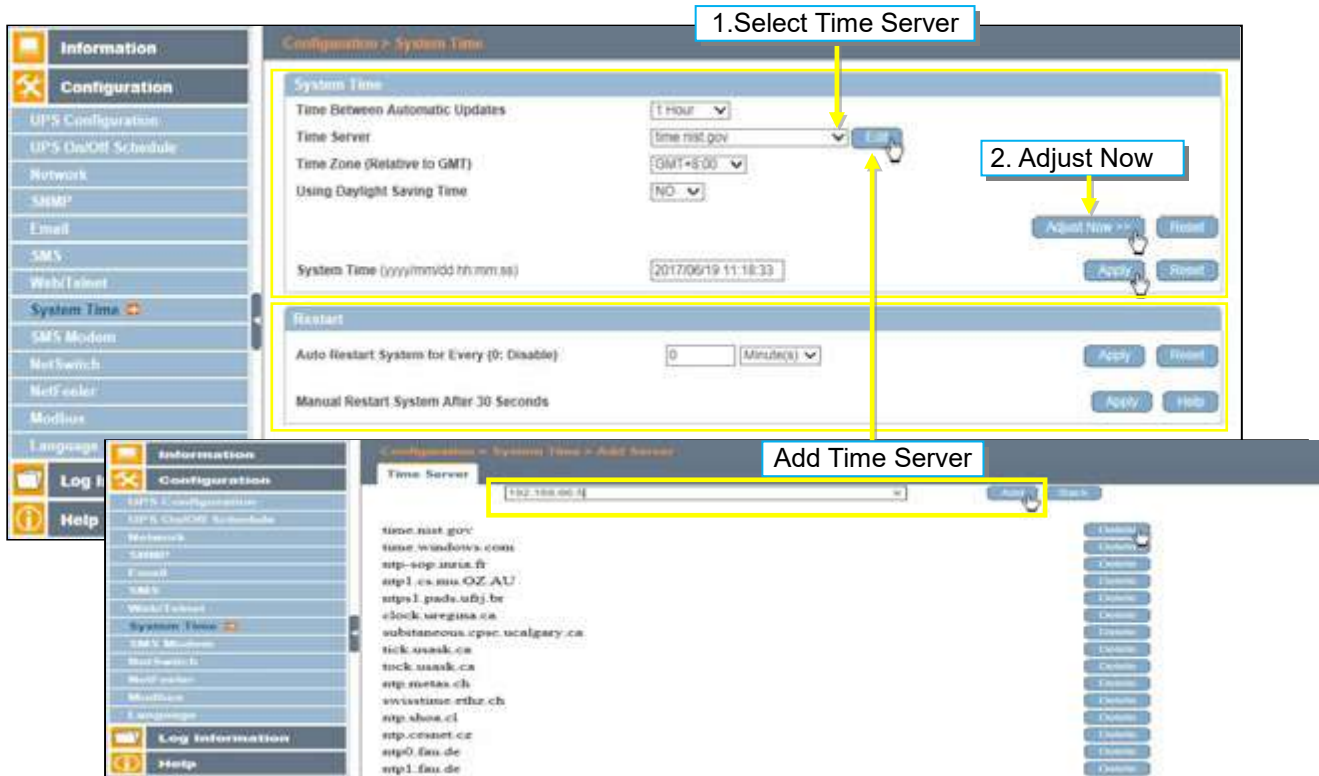
Restart

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

2. Place the SIM card on the holder and insert into GSM Modem



3. Attach antenna to the modem

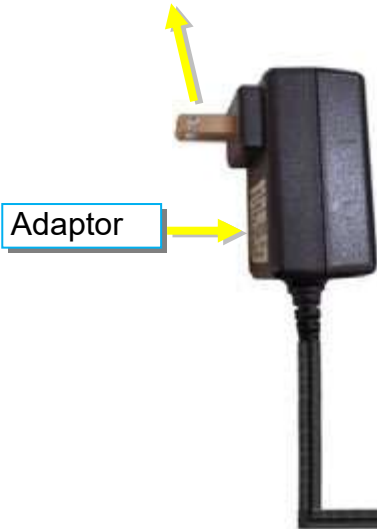


1. Press the button to eject the SIM card holder

Modem Led

Modem Led Status

- 1. 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
- 2. If flash every 3 seconds :**
 - Modem is ready for operation



- 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

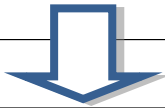
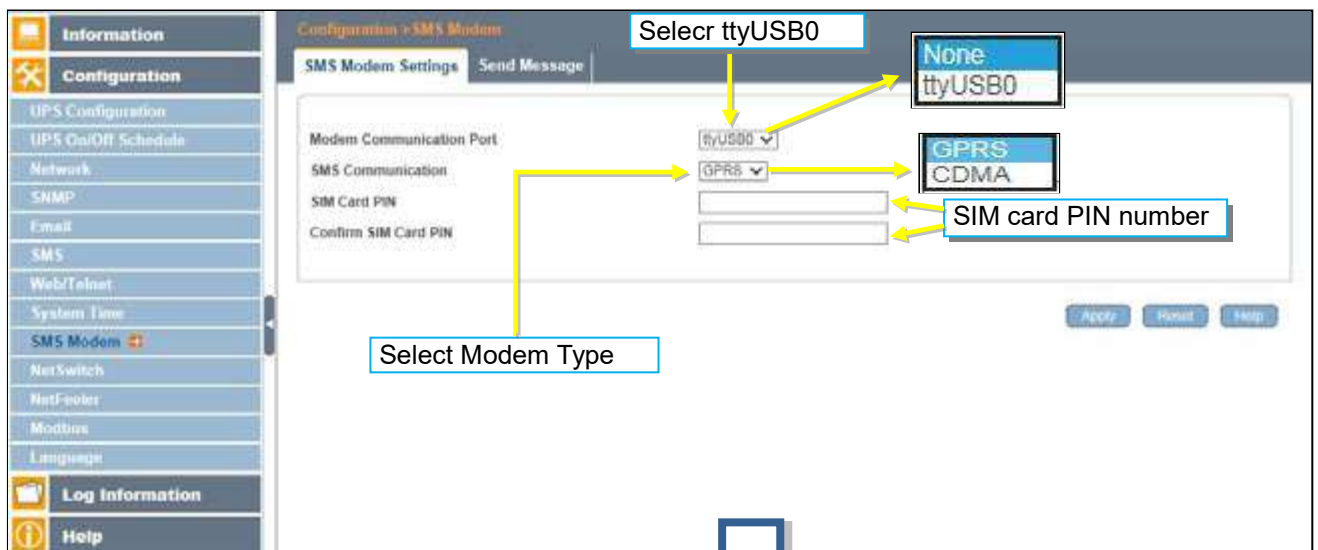
Confirm SIM PIN :

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
- Modem Status

Configuration

Log Information

Help

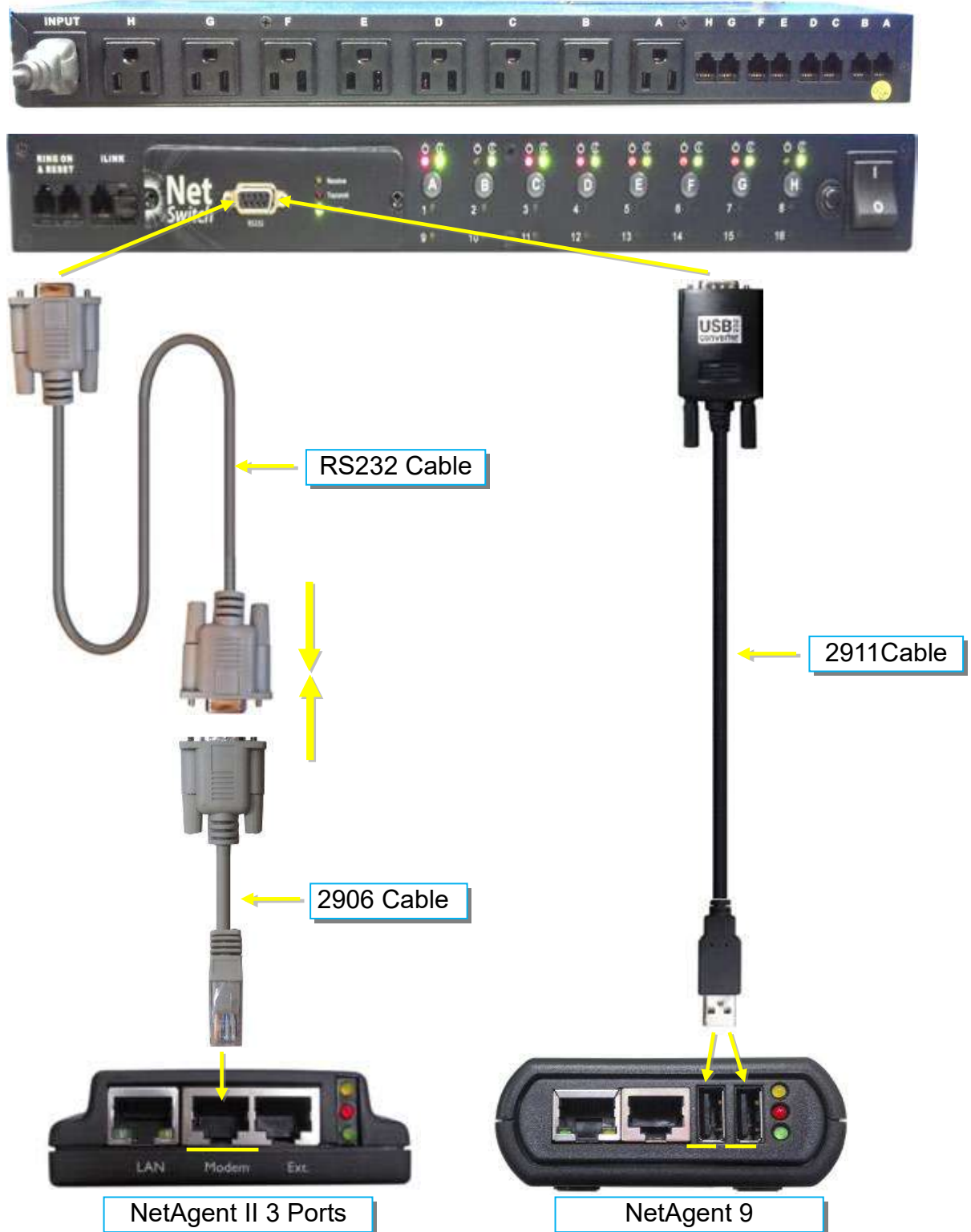
Modem Information	
Modem Manufacturer	SIEMENS
Modem Model	MC55
Modem Firmware Version	REVISION 04.00

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(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]

Delete Action

1. Click on Add to add new action

Add **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

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)

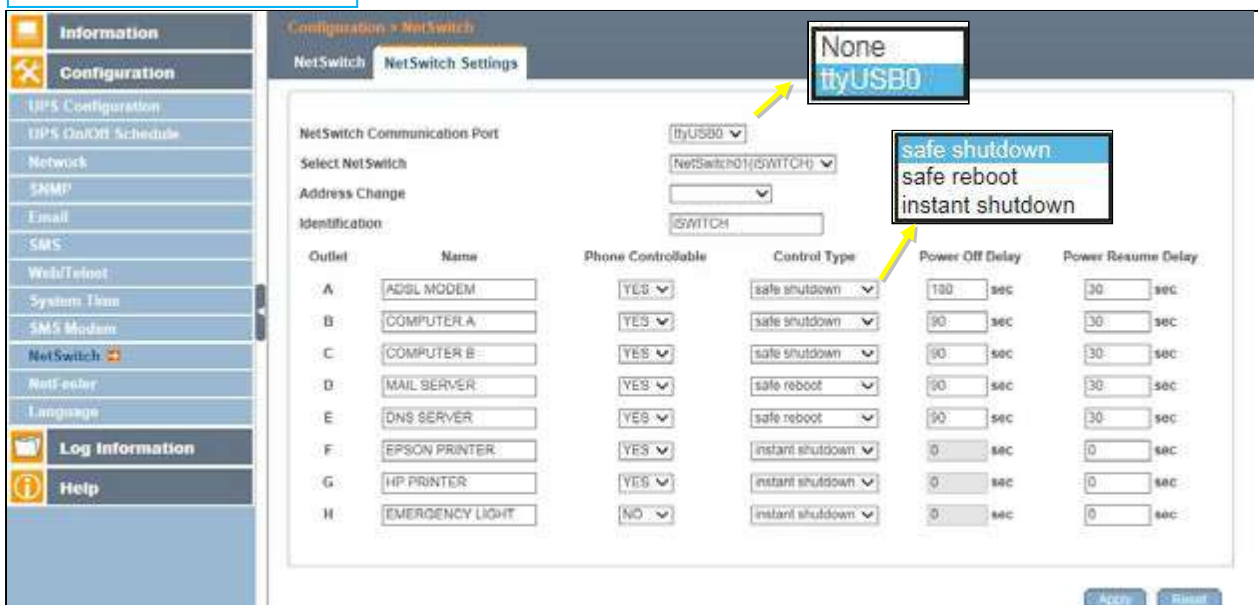
Power Off Delay :

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



NetAgent II 3 Ports

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 On]
OutletB	OFF	[Power Off]
OutletC	ON	[Power On]
OutletD	ON	[Power On]
OutletE	ON	[Power On]
OutletF	ON	[Power On]
OutletG	ON	[Power On]
OutletH	ON	[Power On]

NetAgent **NetSwitch Status**

Information
System Status
Basic Information
Current Status
Remote Control
Meter/Chart
NetSwitch Status
NetAgent 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 On]
OutletB	OFF	[Power Off]
OutletC	ON	[Power On]
OutletD	ON	[Power On]
OutletE	ON	[Power On]
OutletF	ON	[Power On]
OutletG	ON	[Power On]
OutletH	ON	[Power On]

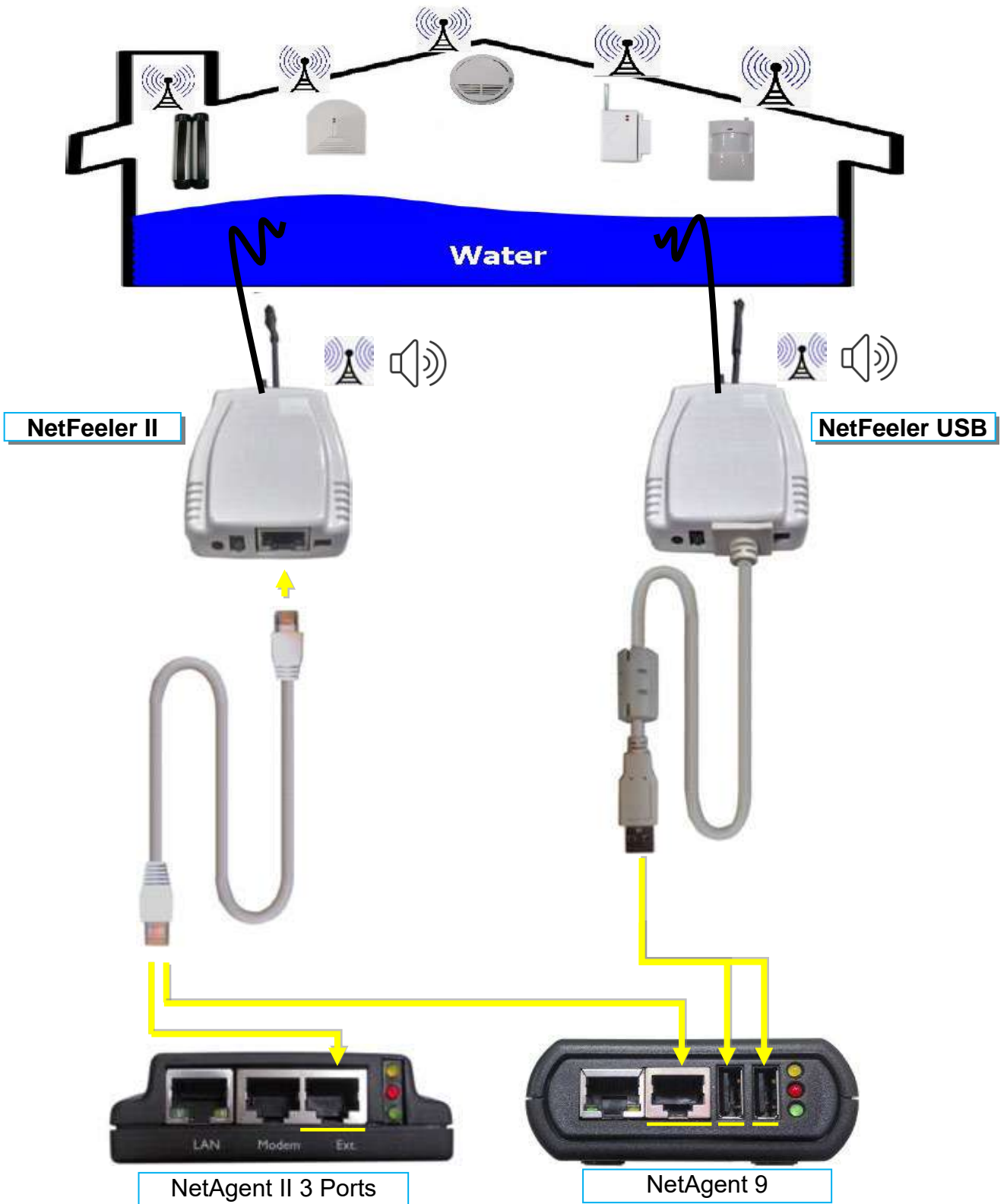
All On [Power On Icon]
All Off [Power Off Icon]

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 USB

Critical UnderRun: 40, Critical OverRun: 90

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

Temperature (°C): 10.0, Critical OverRun: 45.0

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

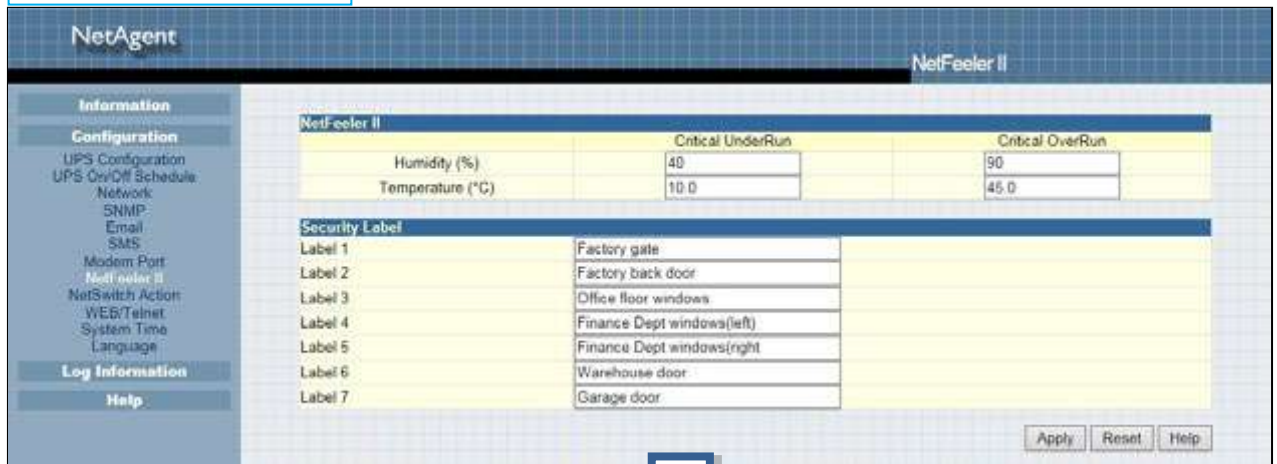
Information > NetFeeler

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 Float Alarm Help

NetAgent II 3 Ports



NetAgent II Configuration Screenshot

Configuration

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

Log Information

Help

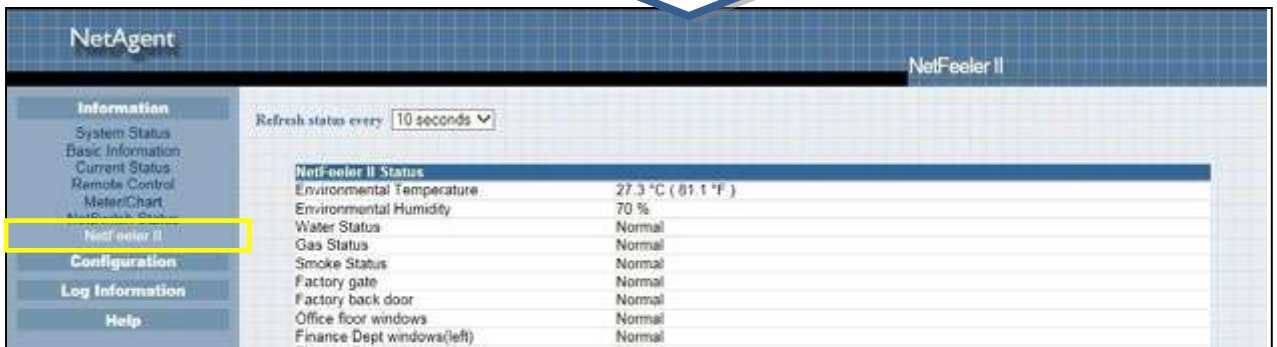
NetFeeler II

	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

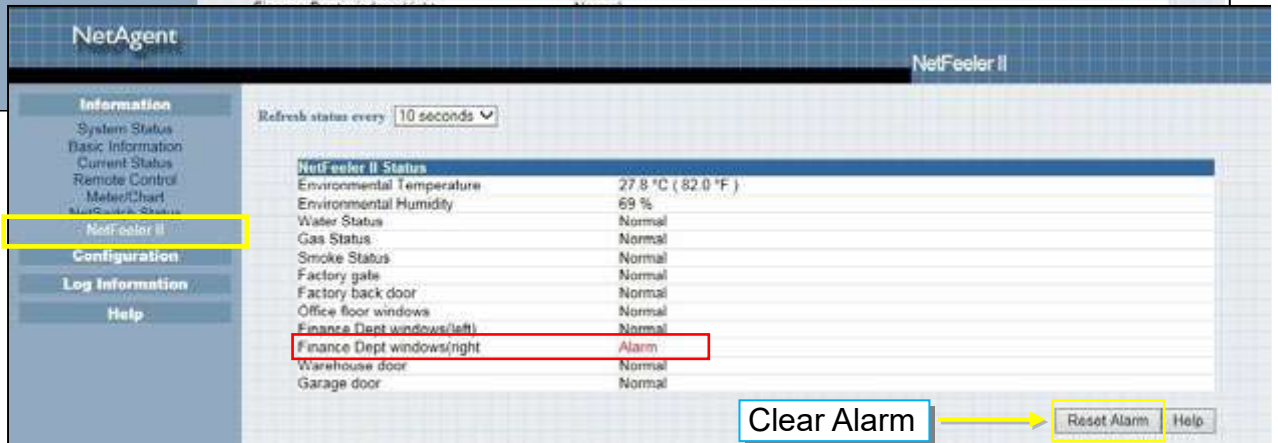



NetAgent II Monitoring Screenshot 1

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 II Monitoring Screenshot 2

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

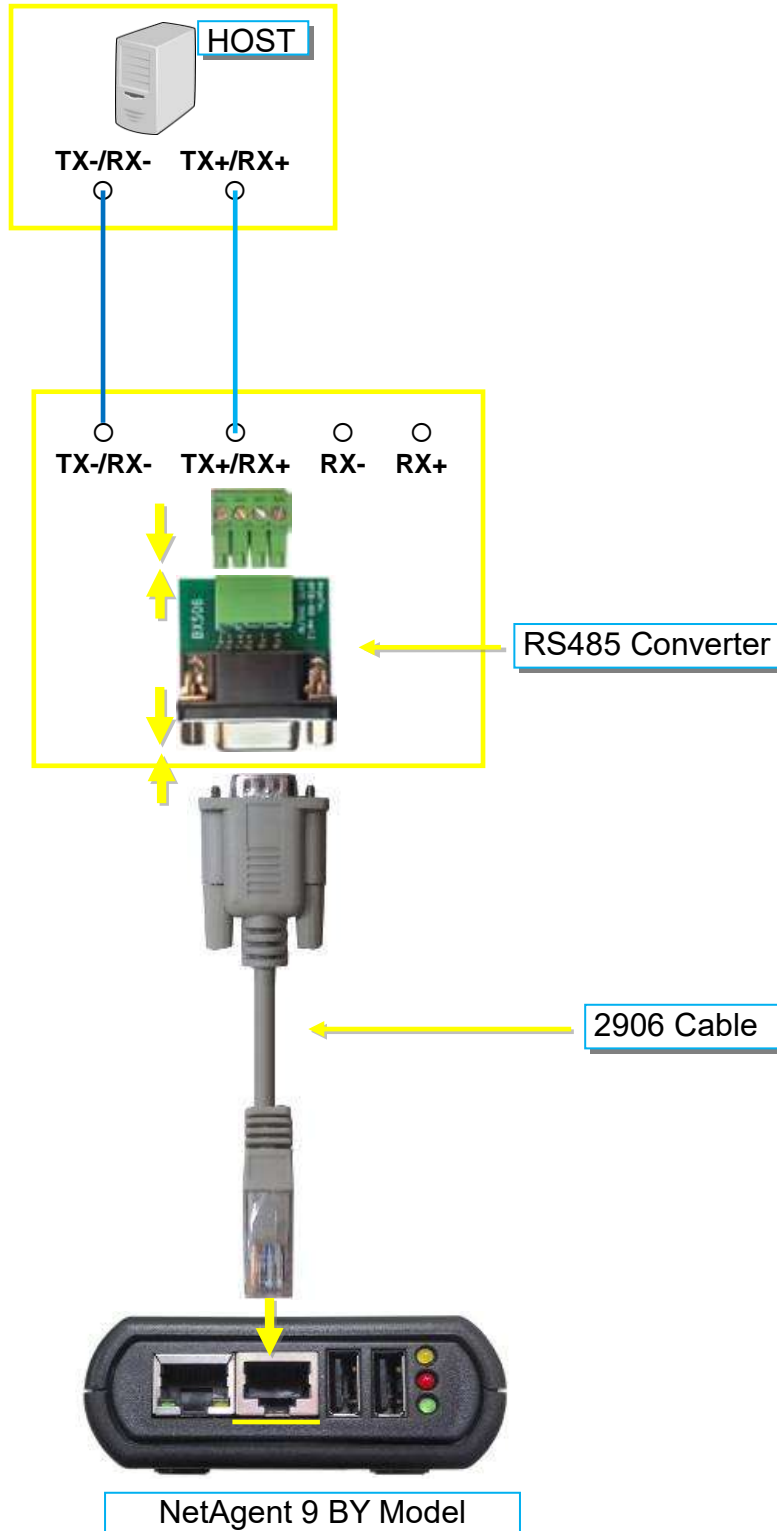
Clear Alarm → Reset Alarm Help

■ **Configuration > MODBUS**

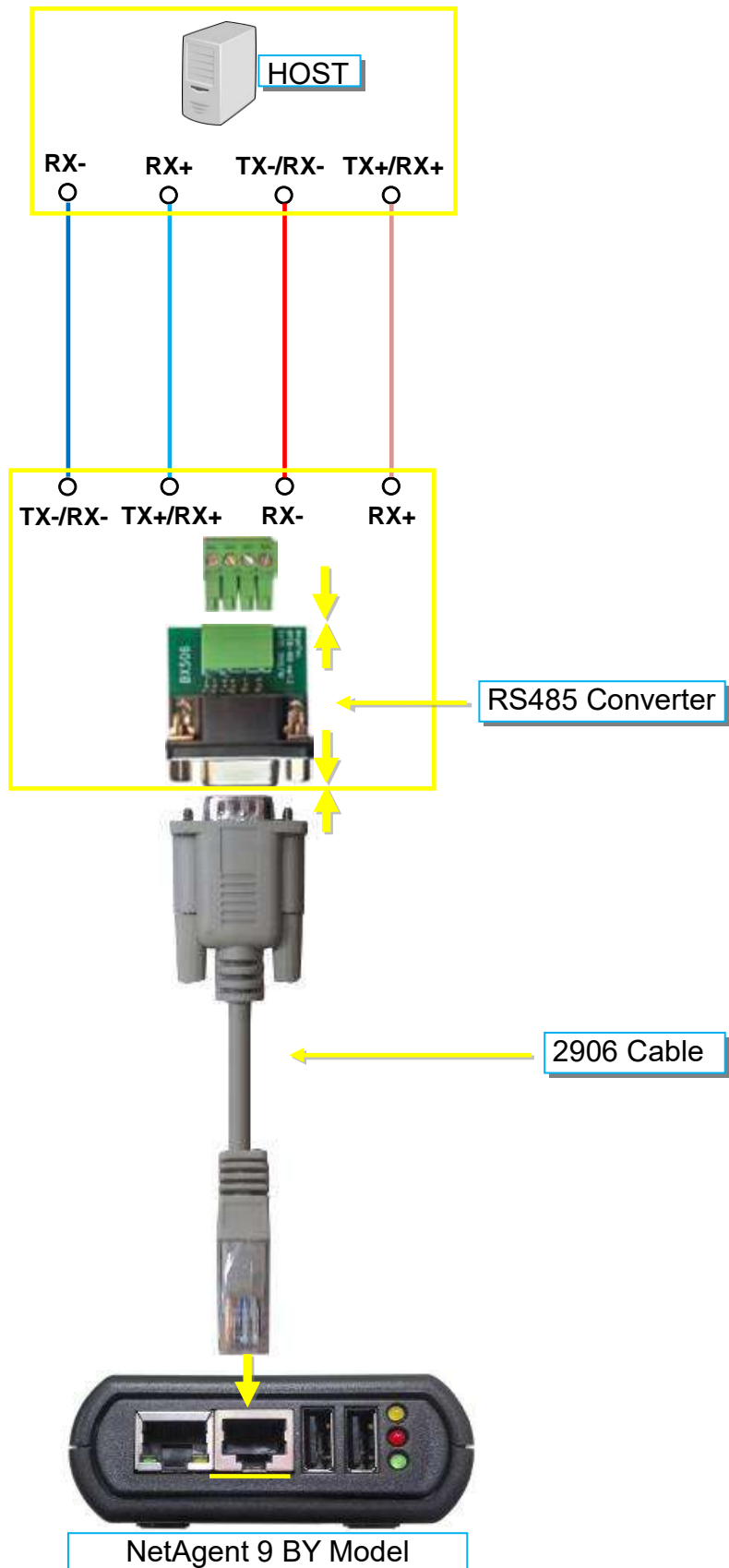
NetAgent supports Modbus on TCP/IP. And NetAgent 9 BY model also supports ModBus on RS485. Through Ethernet and serial communication, it may read multi UPS's data.

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

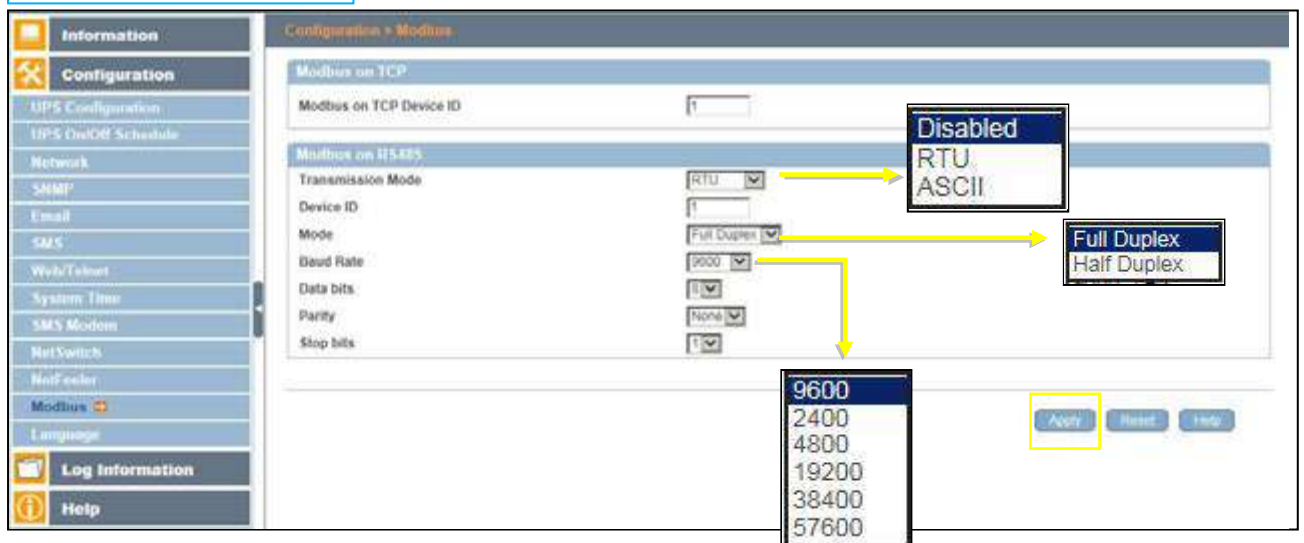
Parity :

Parity of None/ odd /even

Stop bits :

Stop bits of 1 / 2

NetAgent 9



■ 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



■ **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. A table lists events with columns for 'Date/Time' and 'Event'. A dropdown menu for 'Date of Event' is open, showing options for 2017/06, 2017/07, and 2017/08. A yellow arrow points from the 'save.csv file' label to the 'Save' button. Another yellow arrow points from the 'Check event by year/month' label to the date dropdown.

Date/Time	Event
2017/06/27 12:00:51	UPS communication has been lost.
2017/06/27 10:47:25	Utility power has been restored.
2017/06/27 10:47:05	UPS has switched to battery power.
2017/06/27 10:46:44	Internal diagnostic self-test passed.
2017/06/27 10:46:28	Internal diagnostic self-test failed.
2017/06/27 10:46:24	The UPS return from
2017/06/27 10:45:03	The UPS has return
2017/06/27 10:45:03	The UPS is enterin
2017/06/27 10:44:38	battery are very low
2017/06/27 10:44:14	Utility power has been restored.

The screenshot shows a file selection dialog with three files listed: eventlog_201706.dat, eventlog_201707.dat, and eventlog_201708.dat. A yellow arrow points from the '1. Select dat. file to delete' label to the first file. Another yellow arrow points from the '2. Delete' label to the 'Delete' button.

NetAgent Mini & NetAgent II

The screenshot shows the 'Event Log' section of the NetAgent Mini & NetAgent II interface. A table lists events with columns for 'Date/Time' and 'Event'. A yellow arrow points from the 'Clear all log' label to the 'Clear' button. Another yellow arrow points from the 'save.csv file' label to the 'Save' button.

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 of the interface, 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 18:57:31	0922725209	UPS Agent(My Office)<192.168.66.102>.UPS communication has been lost. (Send SMS Failed!)
2017/06/28 18:56:10	0917461725	UPS Agent(My Office)<192.168.66.102>.UPS communication has been lost. (Send SMS Failed!)
2017/06/28 18:54:49	0955055657	UPS Agent(My Office)<192.168.66.102>.UPS communication has been lost. (Send SMS Failed!)
2017/06/27 19:13:42	0922725209	UPS Agent(My Office)<192.168.66.103>.Utility power has been restored.
2017/06/27 19:13:09	0917461725	UPS Agent(My Office)<192.168.66.103>.Utility power has been restored.
2017/06/27 19:12:36	0955055657	UPS Agent(My Office)<192.168.66.103>.Utility power has been restored.
2017/06/27 19:12:03	0922725209	UPS Agent(My Office)<192.168.66.103>.UPS has switched to battery power.
2017/06/27 19:11:30	0917461725	UPS Agent(My Office)<192.168.66.103>.UPS has switched to battery power.
2017/06/27 19:10:57	0955055657	UPS Agent(My Office)<192.168.66.103>.UPS has switched to battery power.

At the bottom right of the interface, 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

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

Check event by year/month

save csv.file

1. Select dat. file to delete

2. Delete

NetAgent Mini & NetAgent II

The screenshot displays the NetAgent Data Log interface. The title bar shows 'NetAgent' on the left and 'Data Log' on the right. A sidebar on the left contains a menu with the following items: Information, Configuration, Log Information, Event Log, Data Log (highlighted), Battery Test Log, and Help. The main area contains a data table with the following columns: Date/Time, Input Volt., Output Volt., Freq. (Hz), Load, Capacity, Temp., Env. Temp., and Env. Humidity. The table contains 10 rows of data, with the 5th row highlighted. At the bottom right, there are three buttons: 'Clear', 'Save Data Log', and 'Help'.

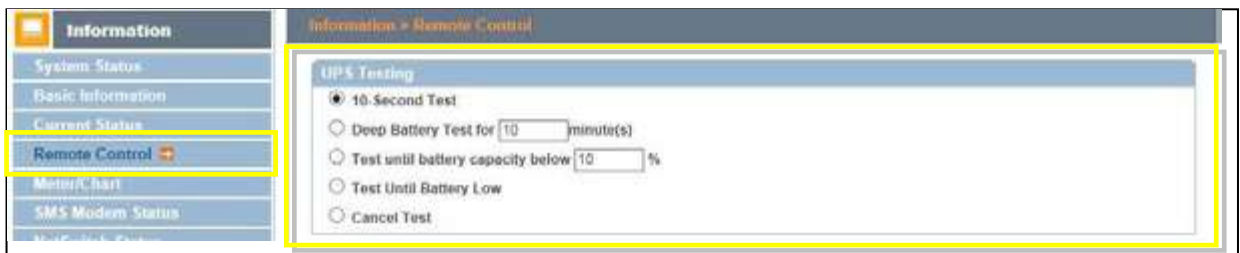
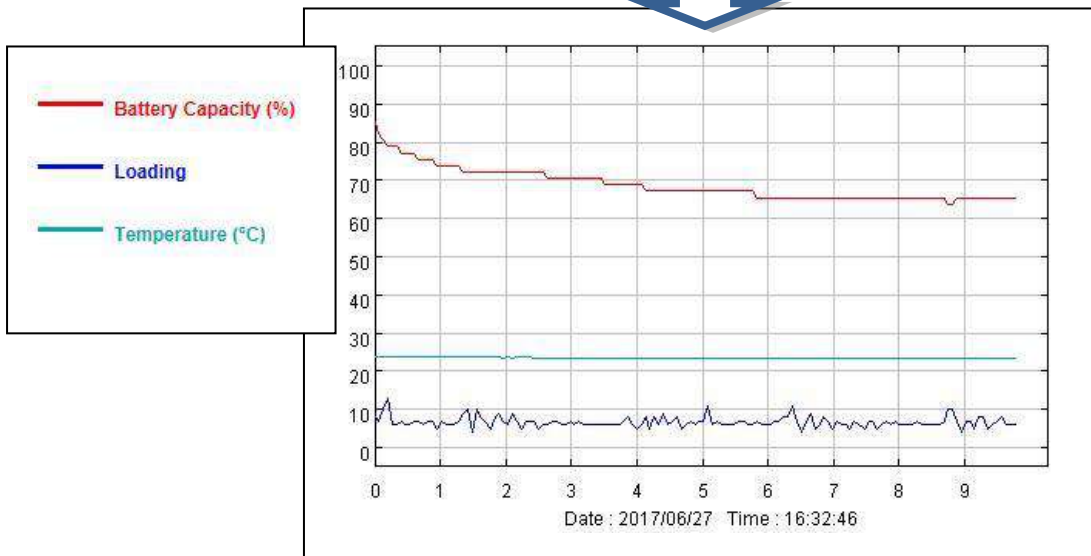
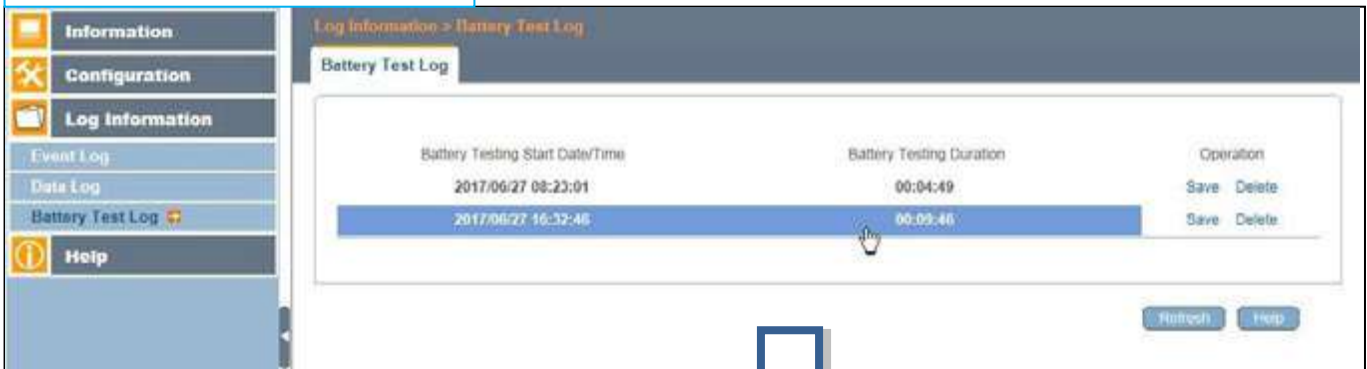
Date/Time	Input Volt.	Output Volt.	Freq. (Hz)	Load	Capacity	Temp.	Env. Temp.	Env. Humidity
2017/06/27 19:30:00	220.1	220.1	50.0	10	100	30.1°C 86.1°F	26.4°C 79.5°F	55
2017/06/27 19:29:00	220.1	220.1	50.0	10	100	30.1°C 86.1°F	26.4°C 79.5°F	55
2017/06/27 19:27:59	220.1	220.1	50.0	10	100	30.1°C 86.1°F	25.9°C 78.6°F	60
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	60
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
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
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

■ **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 Control.



NetAgent 9 Mini & NetAgent 9



NetAgent Mini & NetAgent II



The screenshot shows the 'Remote Control' interface in NetAgent. On the left is a navigation menu with 'Information', 'Configuration', and 'Miscellaneous'. Under 'Information', 'Current Status' is highlighted with a yellow box. The main area is titled 'UPS Testing' and contains a list of radio button options for testing configurations. A yellow arrow points from the 'Remote Control' title area up towards the 'Battery Test Log' interface shown in the previous screenshot.

UPS Testing

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

The screenshot shows the 'Help > Search NetAgent' interface. On the left is a navigation menu with 'Information', 'Configuration', 'Log Information', and 'Help'. Under 'Help', there are sub-items: 'Search NetAgent', 'Serial Port Debug', 'Help', and 'About'. The main area displays a table titled 'Search NetAgent' with the following data:

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

At the bottom right of the table area, there are 'Refresh' and 'Help' buttons.

NetAgent Mini & NetAgent II

The screenshot shows the 'NetAgent' interface with the 'Browse NetAgent' section. On the left is a navigation menu with 'Information', 'Configuration', 'Log Information', and 'Help'. Under 'Help', there are sub-items: 'Search NetAgent', 'Serial Port Debug', 'Help', and 'About'. The main area displays a table titled 'Browse NetAgent' with the following data:

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	HBT506	3.5.BY506	192.168.66.103

At the bottom right of the table area, there are 'Refresh' and 'Help' buttons.

■ 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.

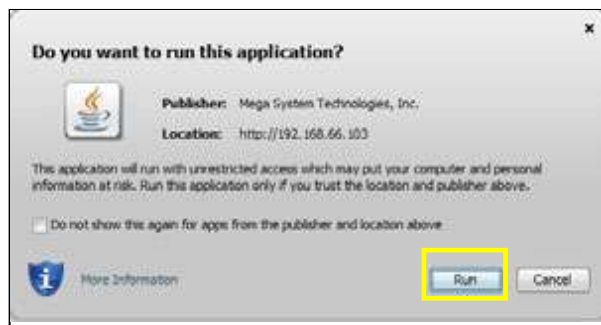
If Debug mode is set as manually, user may enter its parameter under Send Contents column.

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:

Send

Clear

Sent Information

```

PM 06:09:58: Q1v
PM 06:09:58: fr
PM 06:09:58: Fv
PM 06:10:01: Q1v
PM 06:10:01: fr
PM 06:10:01: Fv
PM 06:10:01: Q1v
PM 06:10:03: fr
PM 06:10:03: Fv
PM 06:10:03: Q1v
PM 06:10:05: fr
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: (109.3 108.9 109.8 006 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
  
```

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:

Send Command Manually

Send

Clear

Sent Information

```

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

Received Information

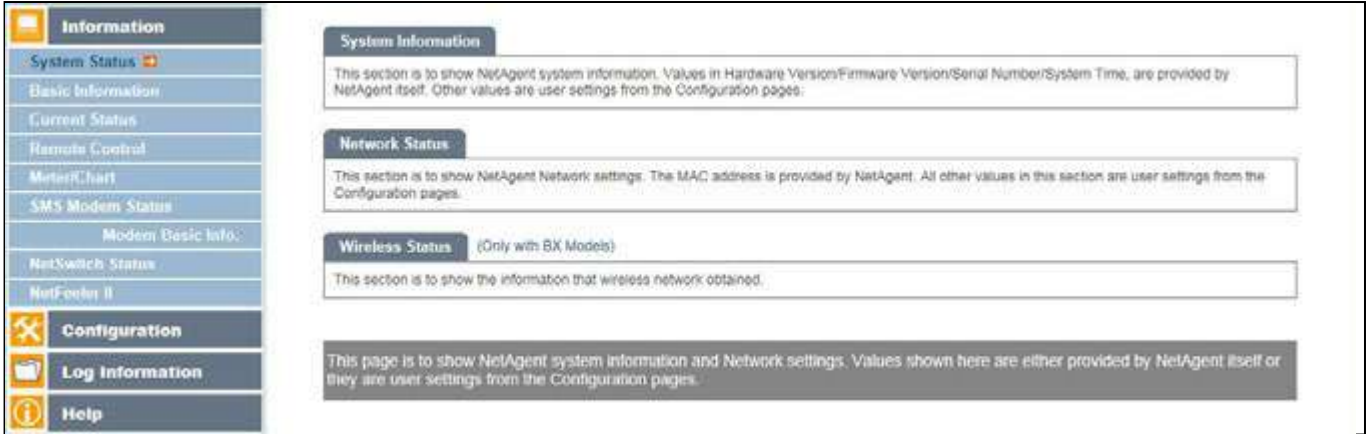
```

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
  
```

■ **Help > Help**

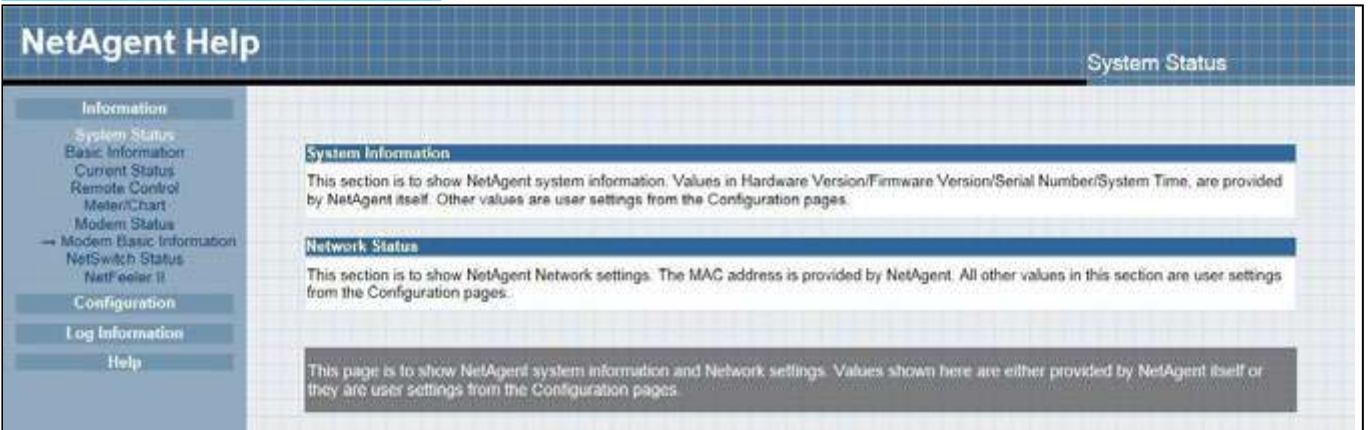
This is to help to illustrate each feature/option that NetAgent offers

NetAgent 9 Mini & NetAgent 9



The screenshot shows a web 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, Modern Basic Info, NetSwitch Status, NetFollower 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 'Wireless Status' (noting it's only for BX models and showing wireless network info). A summary paragraph at the bottom states that values are either provided by NetAgent itself or are user settings from the Configuration pages.

NetAgent Mini & NetAgent II



The screenshot shows a web interface for NetAgent Mini & NetAgent II. The top header is 'NetAgent Help' with 'System Status' on the right. The left navigation menu includes: Information (System Status, Basic Information, Current Status, Remote Control, Meter/Chart, Modem Status, Modern Basic Information, NetSwitch Status, NetFollower 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 values are either provided by NetAgent itself or are user settings from the Configuration pages.

■ 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

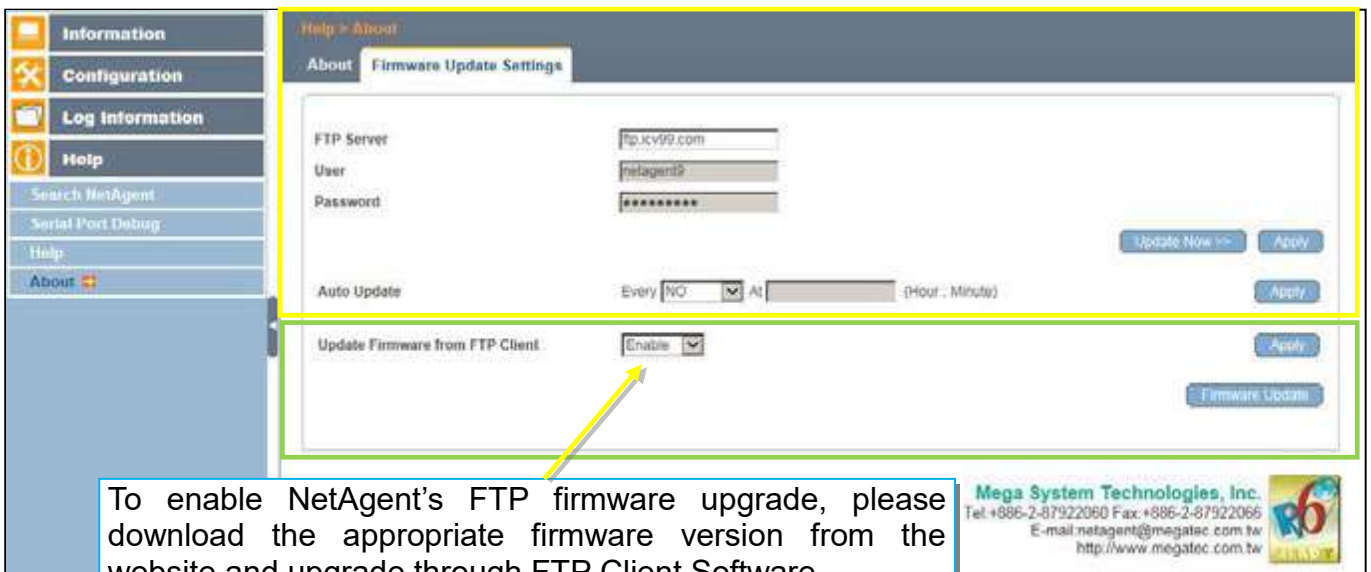
This function will reset all settings to its default value.

NetAgent 9 Mini & NetAgent 9



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



NetAgent Mini & NetAgent II

NetAgent About

Information

Configuration

Log Information

Help
 Search NetAgent
 Serial Port Debug
 Help
 About

About

Firmware Version: 2.48 BT506 EAST
 Hardware Version: HBT506
 Serial Number: 3926404591

Save/Restore Settings

Save current configuration [Save]
 Restore previous configuration [Restore*]
 Reset to factory default [Reset]

* This upload function could not be used in HTTPS mode

Firmware Update Settings

FTP Server: ftp.icv99.com
 User: netagent
 Password: *****
 [Update Now >>] [Apply]

Auto Update: Every [NO] At [02:00] (Hour : Minute) [Apply]

Update Firmwre from FTP Client: [Enable] [Apply*]

* System will reboot when these items have been Applied

[Firmware Update]

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

Software Downloads
 Technical Support & FAQ
 Online Ordering
 Shipment Tracking

Please contact the [WebMaster](#) if you find any problems with the download page. This page is best viewed on 1024x768

NetAgent II

NetAgent Firmware download procedure:

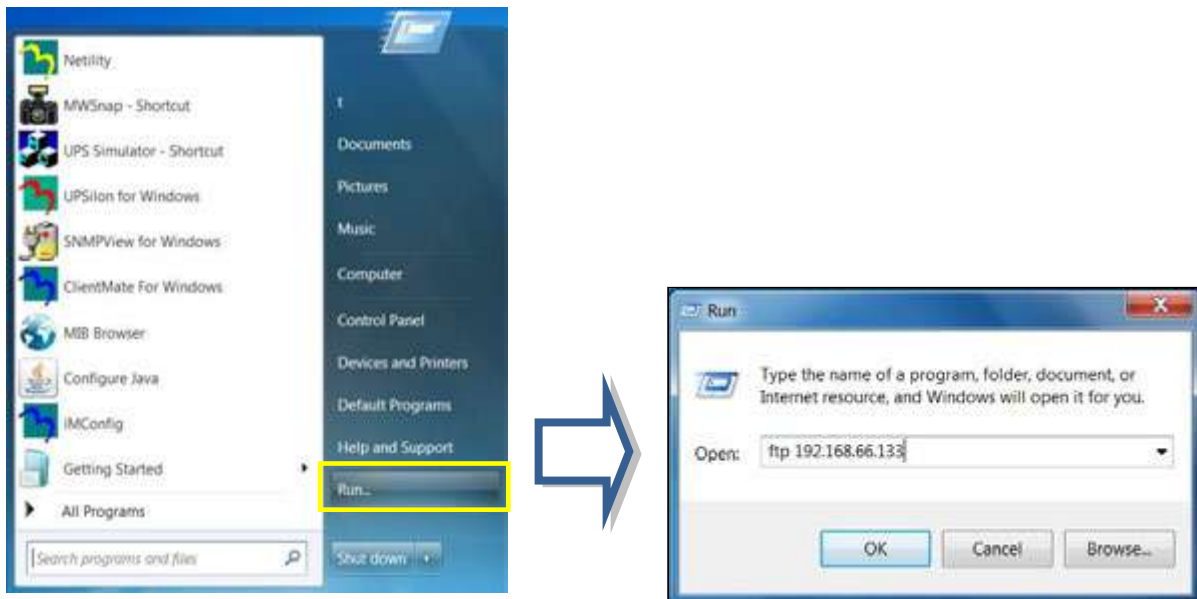
1. Check your CURRENT FIRMWARE Version.
2. Locate your MODEL NUMBER shown at the bottom of your NetAgent device.
3. Choose the correct firmware version corresponding to your Model Number.

Please download the Firmware corresponding to your Model Type from the table below.

Model	Firmware name	Release Date
DY520	2.5.DY520_a.zip	23rd October, 2016
DL520	2.5.DL520.zip	23rd October, 2016
CY504	2.5.CY504.zip	23rd October, 2016
BY506	2.5.BY506.zip	22nd December, 2016
DX520	2.5.DX520.zip	
CX504	2.5.CX504.zip	
BX506	2.5.BX506.zip	

Warning: If you can't download the file...

-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

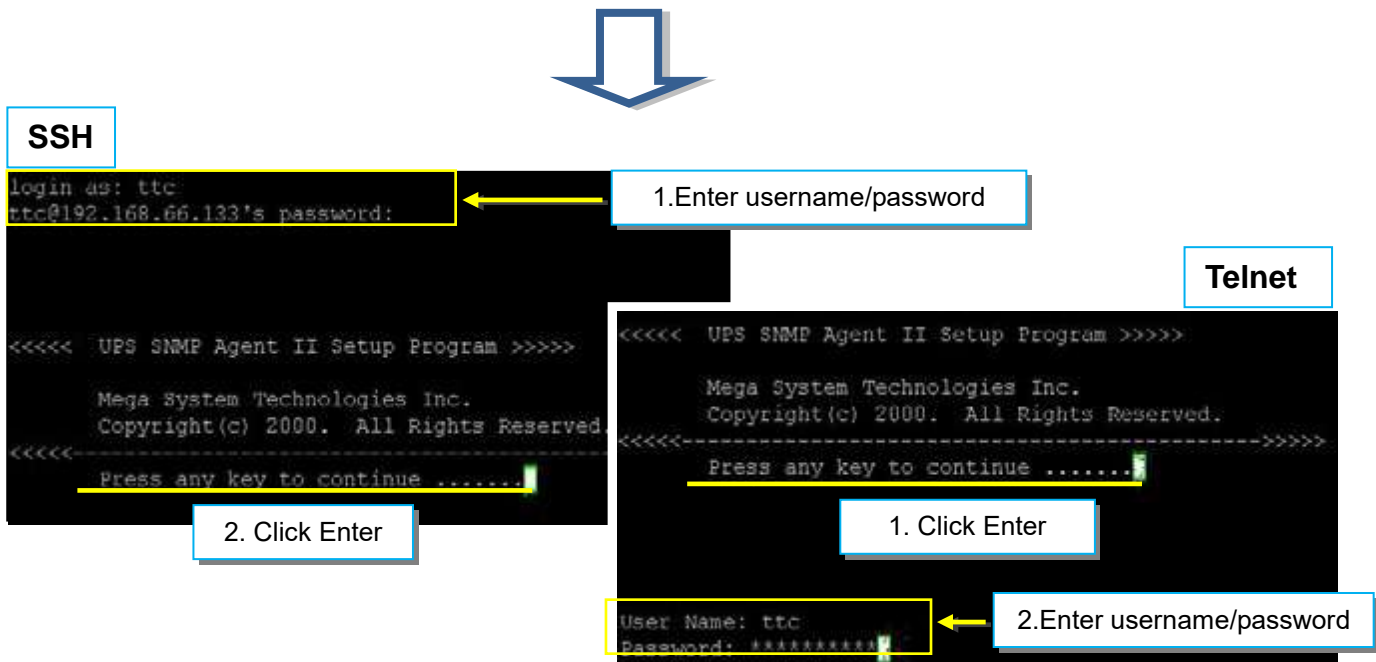
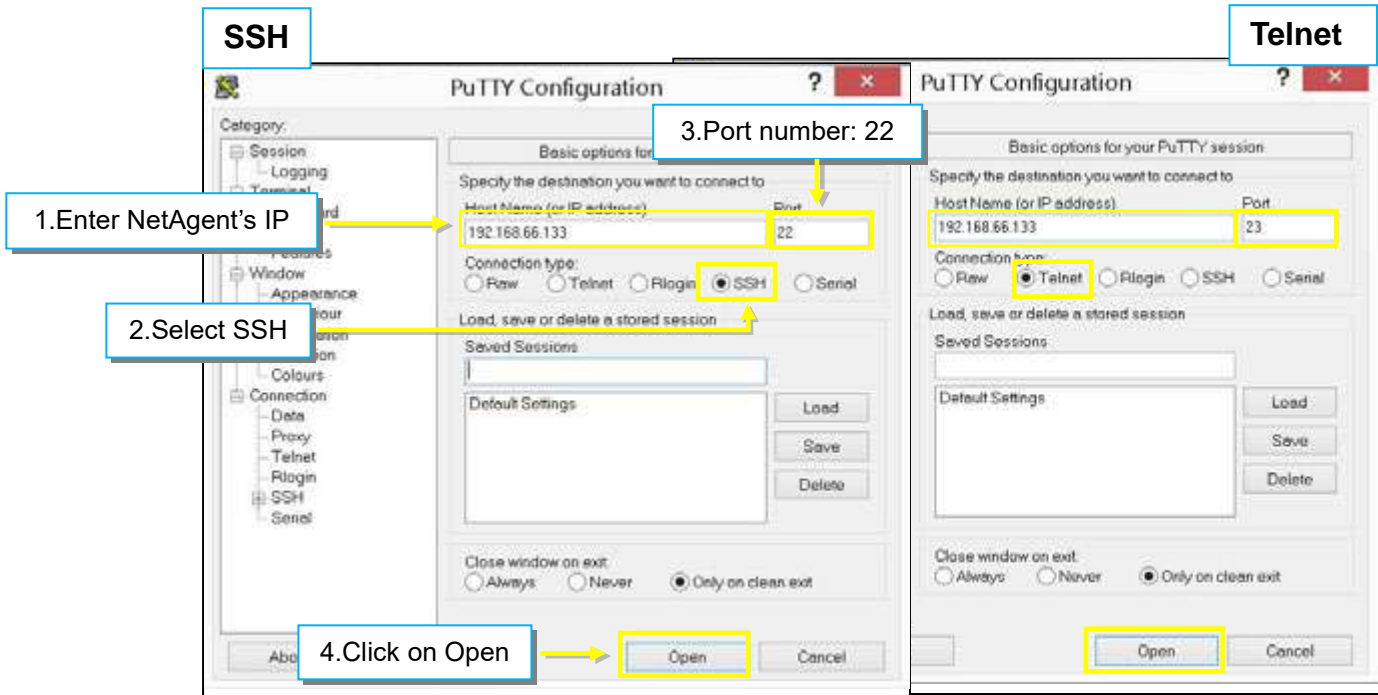
3. Enter put command with bin file directory

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.



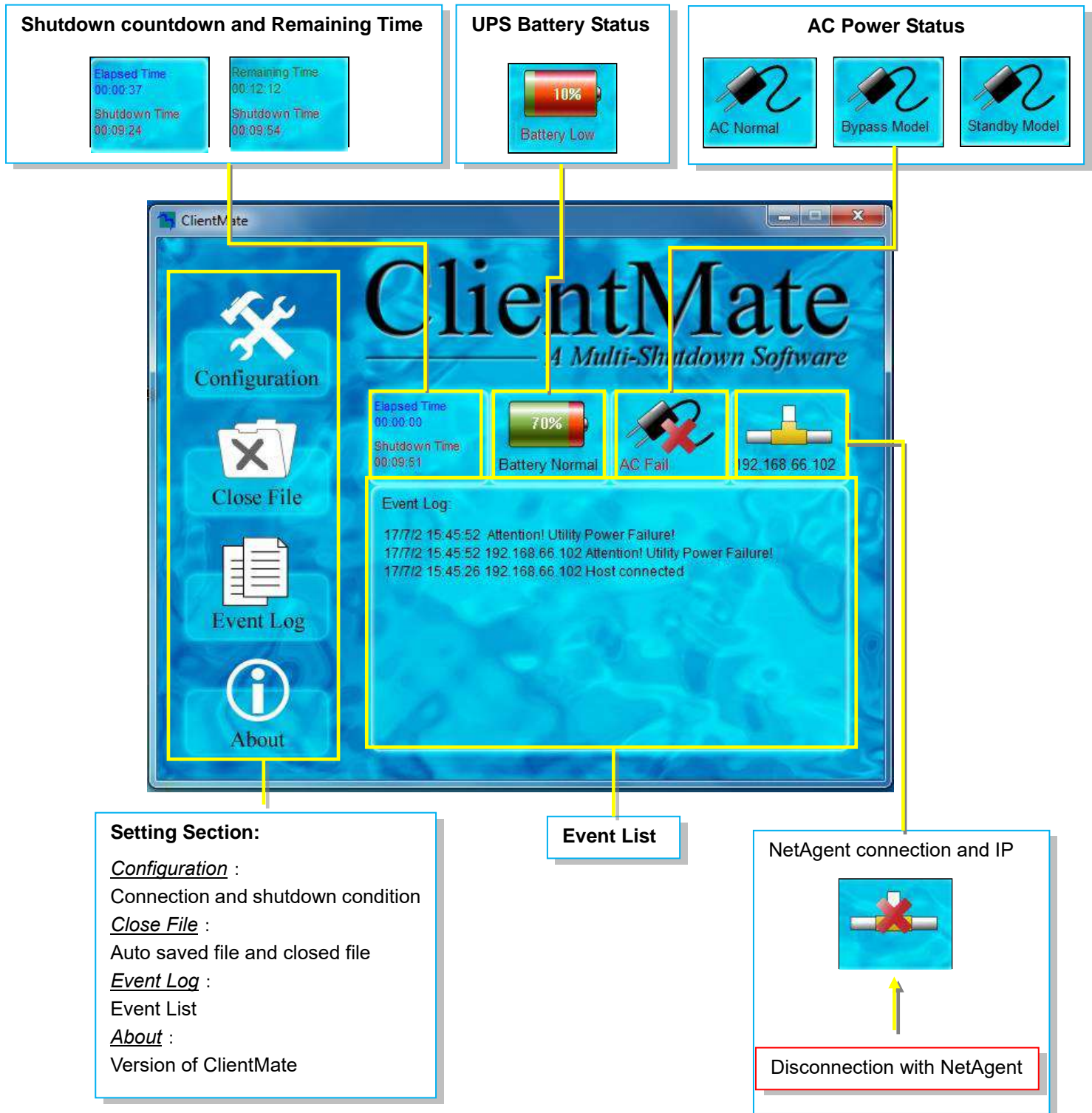
Installation and setup

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

All Program > NetAgent > ClientMate > ClientMate for Windows



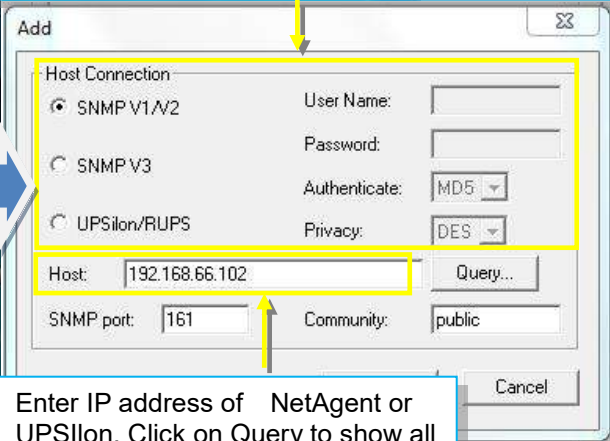
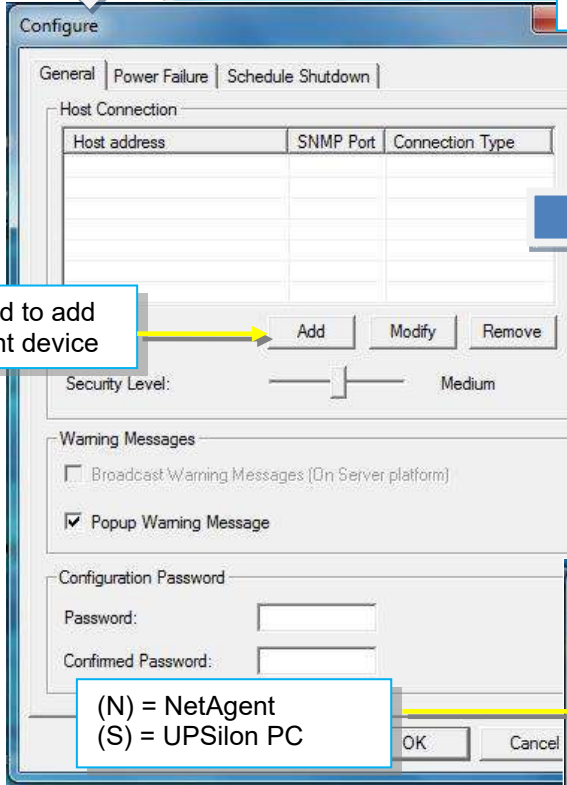
Operation Interface



Configuration

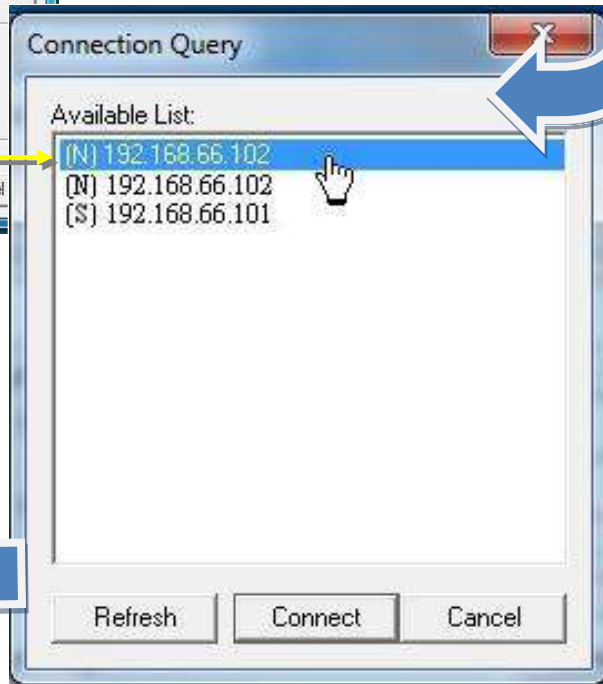


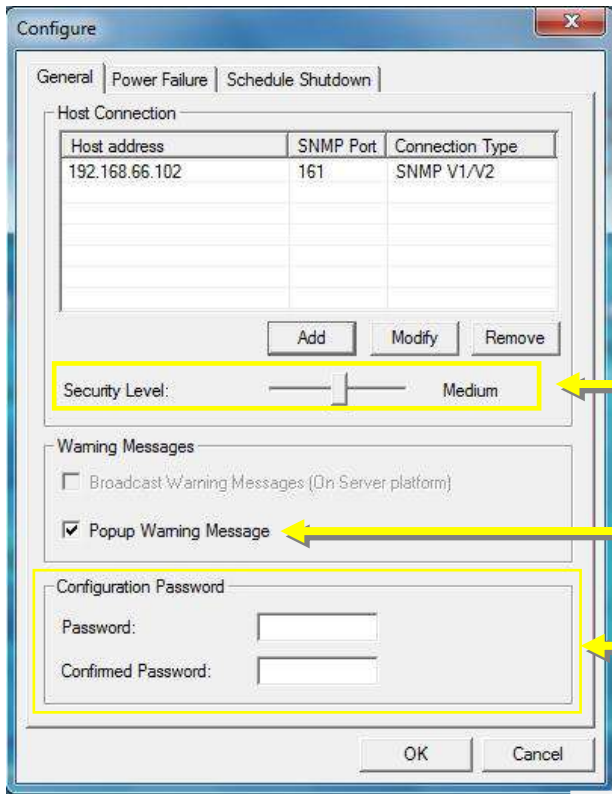
To select connection via SNMP or UPSilon. If SNMPV3 , username/password, Authenticate, privacy are required



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

(N) = NetAgent
(S) = UPSilon PC





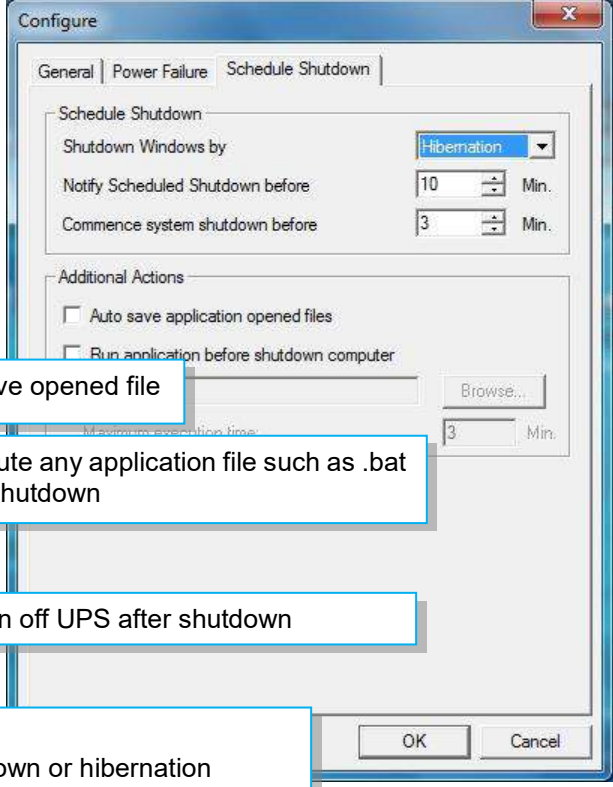
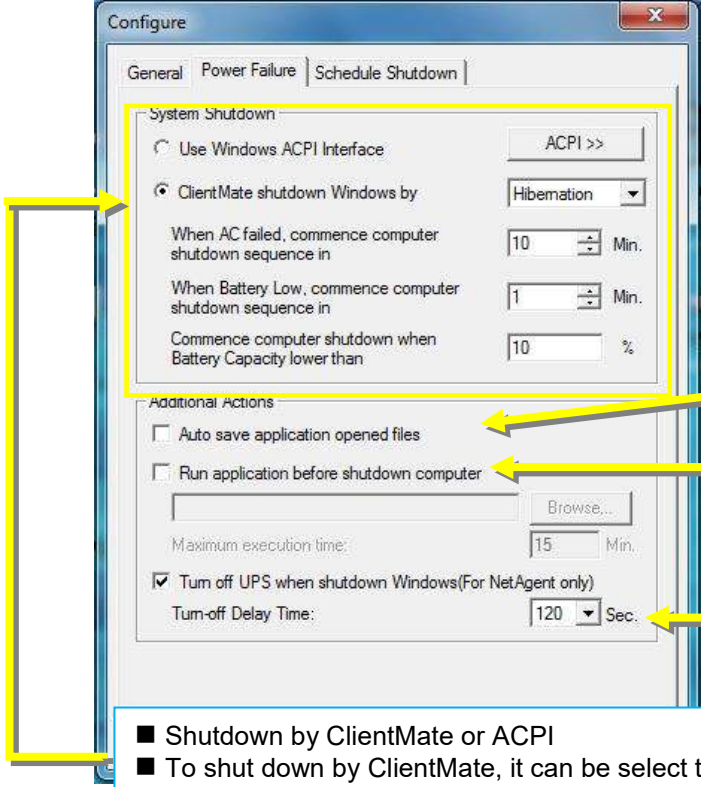
If connect with multi NetAgent, shutdown condition can be perform by security level.
 Low : All NetAgent with AC failure condition
 Medium : 50% NetAgent device has AC failure condition
 High : AC failure from any/single NetAgent would shutdown

If to have pop warning message

If password is required for any configuration change

Power Failure/Shutdown Condition

Shutdown by Scheduling

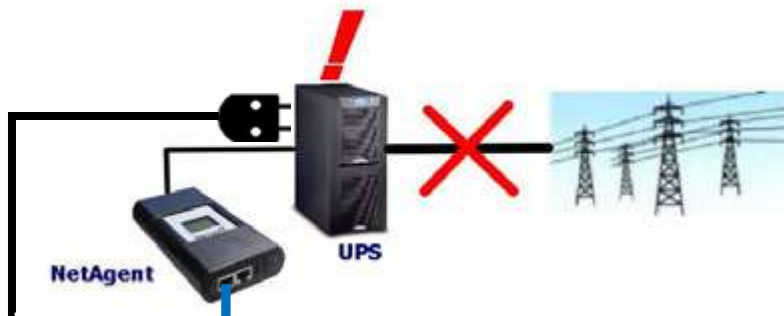


Auto save opened file

To execute any application file such as .bat before shutdown

To turn off UPS after shutdown

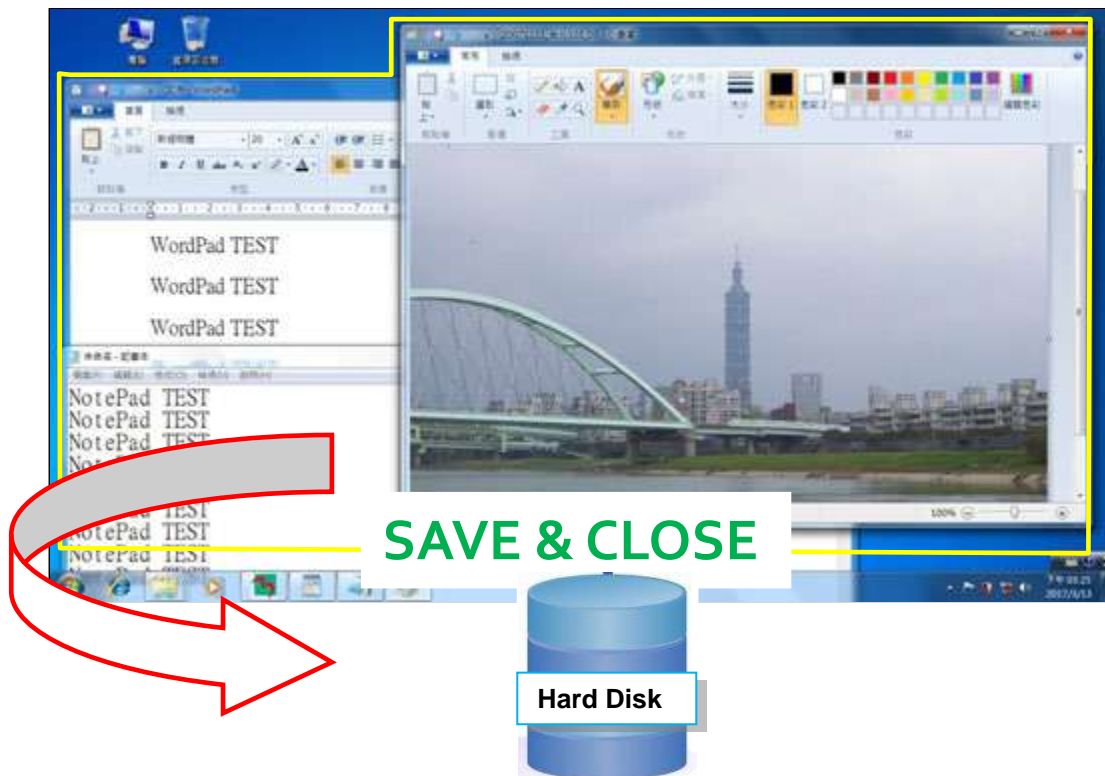
- Shutdown by ClientMate or ACPI
- To shut down by ClientMate, it can be select to be shut down or hibernation



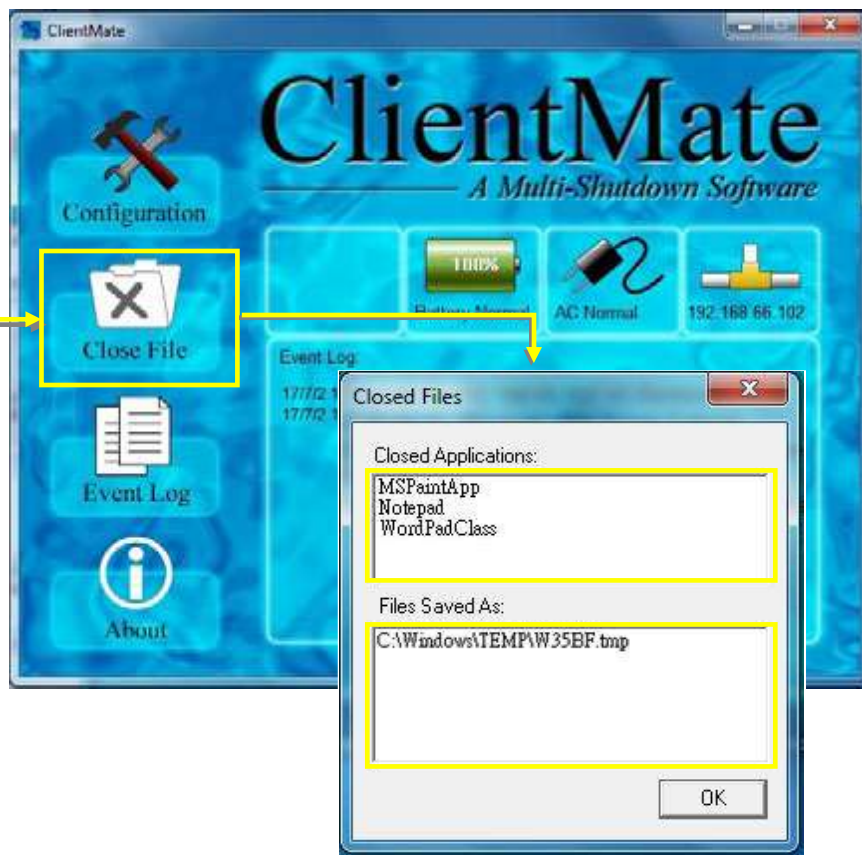
Close File



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

Check Event log

ClientMate
A Multi-Shutdown Software

Configuration
Close File
Event Log
About

Battery Normal 100% AC Normal 192.168.66.102

Event Log
17/7/2 15:05:58 192.168.66.102 Host connected
17/7/2 15:05:56 192.168.66.102 Try connecting to Host

Date	Time	Host address	Description
2017/07/02	15:17:06		Attention! Utility Power Fe
2017/07/02	15:17:03	192.168.66.102	Attention! Utility Power Fe
2017/07/02	15:13:03		Battery Restored
2017/07/02	15:13:00	192.168.66.102	Battery Restored
2017/07/02	15:11:41		Attention! UPS Battery Lc
2017/07/02	15:11:38	192.168.66.102	Attention! UPS Battery Lc
2017/07/02	15:10:19		AC Restored
2017/07/02	15:10:16	192.168.66.102	AC Restored
2017/07/02	15:09:12		Attention! Utility Power Fe
2017/07/02	15:09:12	192.168.66.102	Attention! Utility Power Fe
2017/07/02	15:05:58	192.168.66.102	Host connected
2017/07/02	15:05:56	192.168.66.102	Try connecting to Host

About

Check ClientMate version

ClientMate
A Multi-Shutdown Software

Configuration
Close File
Event Log
About

Battery Normal 100% AC Normal 192.168.66.102

Event Log
17/7/2 15:05:58 192.168.66.102 Host connected
17/7/2 15:05:56 192.168.66.102 Try connecting to Host

關於
ClientMate 版本 5.62
Mega System Technologies, Inc.
版權 (C) 2012

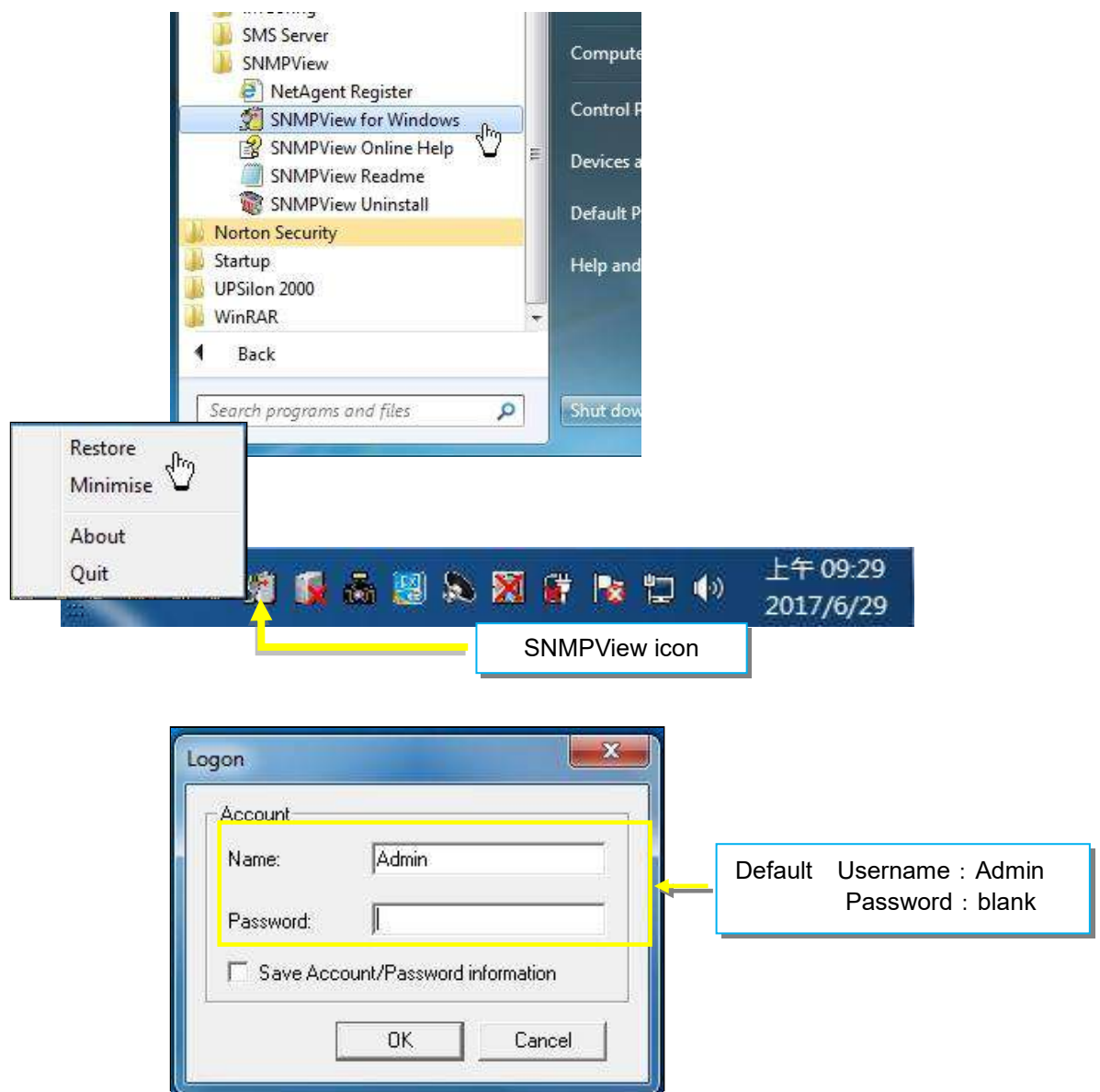
Chapter 7. SNMP View

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 trapr 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 SNMPView application window. The menu bar includes Device, View, Tools, System, User, and Help. The toolbar contains icons for Enumer..., Add UPS, Delete, Group, Up, Show Pa..., Setmail, Monitor, View, Event Log, Data Log, and Options. On the left, a 'Group' tree shows 'NetAgent' expanded to show '2F Control room', '2F IDC', and '6F IDC'. The main table displays the following data:

Group	UPS	Host Name	Location	Output Status	Connection Status	Temperature	Loading	Output Volta...	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

At the bottom, a status bar 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]'

Group Station

Connection Information

NetAgent and UPS Info

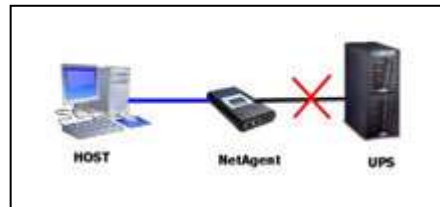
NetAgent Info

UPS connection status and information

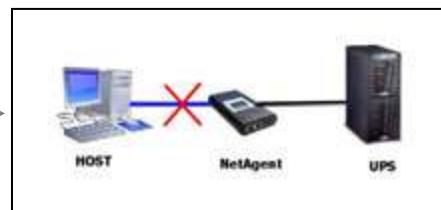
NetFeeler Status

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	Output	Battery	Capacity	Loading	Temp
192.168.0.132	BT506-Smart	2017/6/28 17:22:1	220.1	221.1	27.1	100.0	10.0	32.1
192.168.0.148	UPS Agent S	2017/6/28 17:104.1	110.0	2.1	100.0	33.0	31.2	
192.168.0.150	BT506-Smart	2017/6/28 17:109.7	109.7	2.2	100.0	5.0	22.0	
192.168.0.151	NETPHASE M	2017/6/28 17:23.77.60	10.00/0	0.00/0	0.00/0	0.00/0	0.00/0	
192.168.0.152	NetPhase M	2017/6/28 17:Min	25.47/83	10.00/1	10.100	0.00/0	0.00/0	
192.168.0.153	BT506-Smart	2017/6/28 17:220.1	220.1	27.1	100.0	10.0	32.1	
192.168.0.154	UPS Agent S	2017/6/28 17:104.1	110.0	2.1	100.0	33.0	31.2	
192.168.0.155	BT506-Smart	2017/6/28 17:220.1	220.1	27.1	100.0	10.0	30.1	
192.168.0.156	UPS Agent S	2017/6/28 17:209.4	209.4	21.6	100.0	10.0	30.0	

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
192.168.0.24	2017/4/19	19:51:15	NetAgent is not able to connect to UPS
192.168.0.196	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	20:1:48	NetAgent is not able to connect to UPS

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

OK Cancel



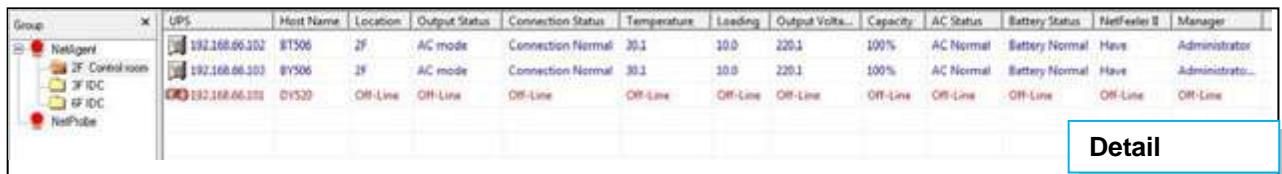
To view NetAgent with different mode



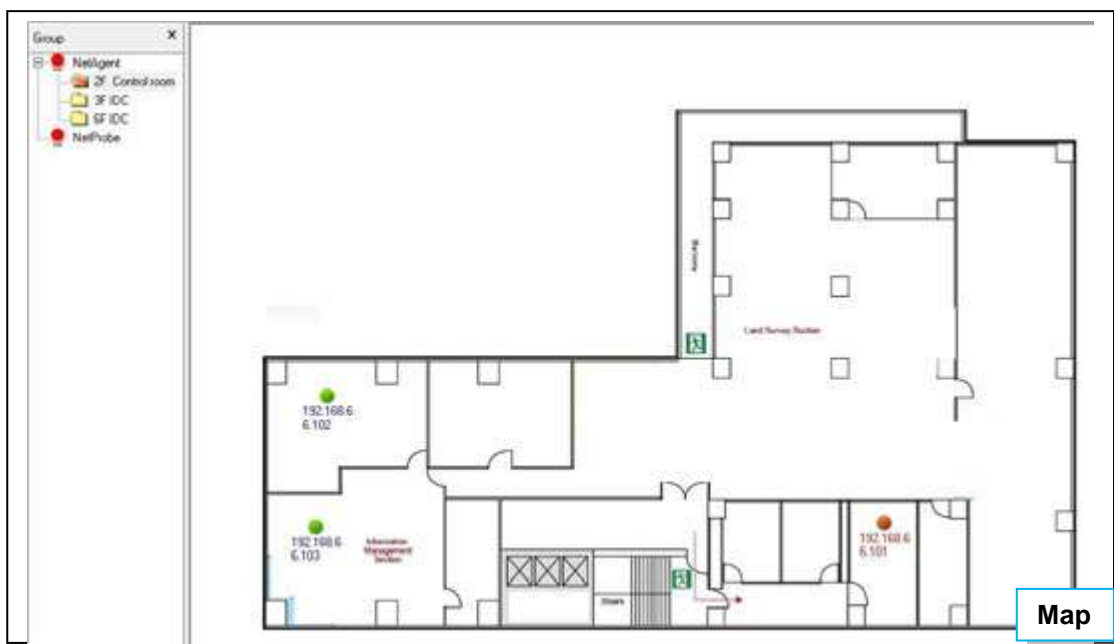
Large Icon



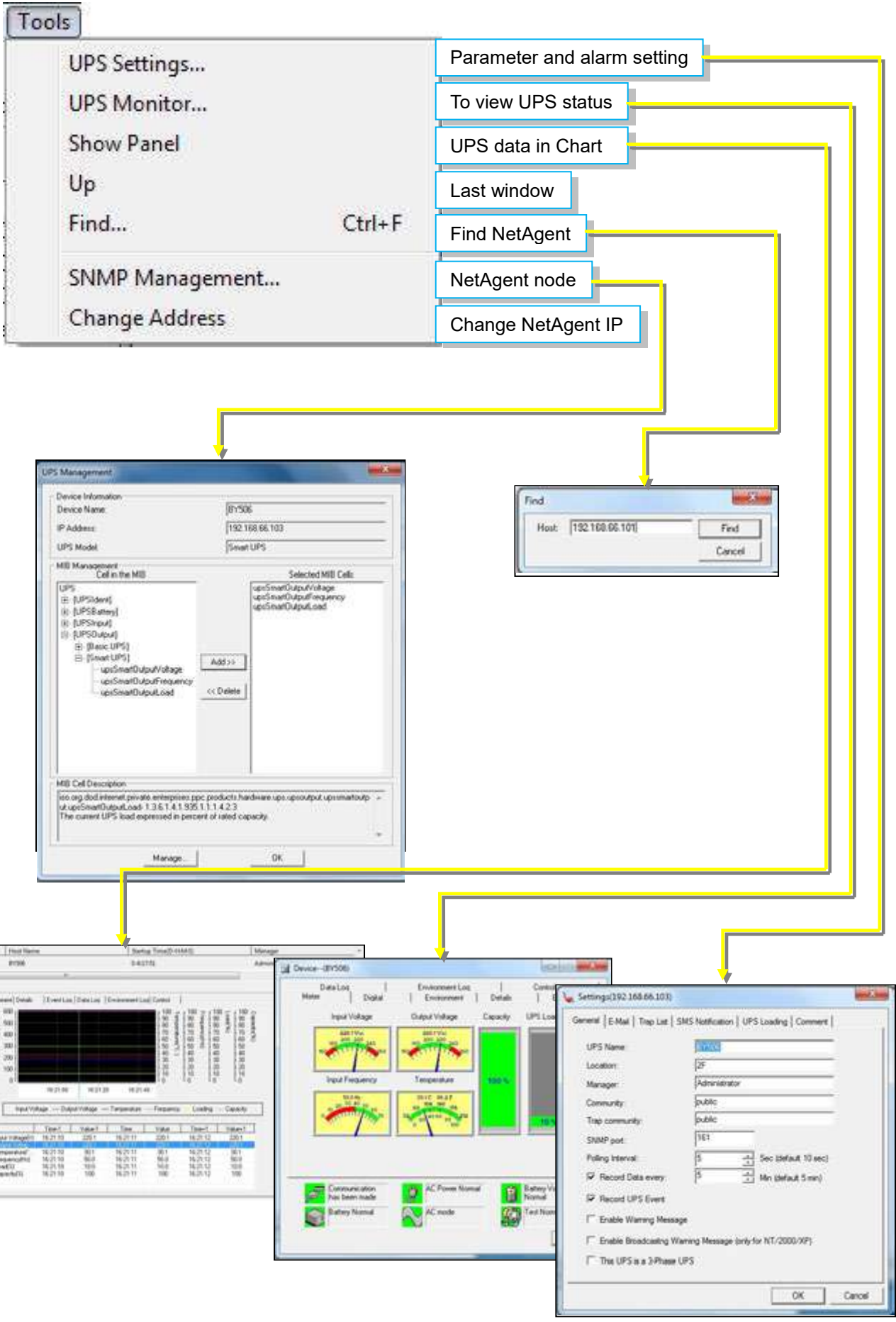
Small Icon



Detail



Map



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	Temp
192.168.0.132	BT506-Smart	2017/6/28 17	225.1	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	25.0	
192.168.0.31	UPG Agent S	2017/6/28 17	104.1	110.0	2.1	100.0	10.0	11.2	
192.168.0.32	BT506-Smart	2017/6/28 17	108.3	109.7	2.2	100.0	5.0	22.0	
192.168.0.30	NETPROBE N	2017/6/28 17	23.77/60	0.00/50	0.00/0	0.00/0	0.00/0	0.00/0	
192.168.0.29	NetProbe Mbx	2017/6/28 17	Max	25.47/61	10.00/1	10/100	0.00/0	0.00/0	
192.168.0.229	DY100-Smart	2017/6/28 17	220.1	220.1	27.1	100.0	10.0	26.1	
192.168.0.211	Ironel-Smart	2017/6/28 17	208.4	208.5	2.0	63.0	34.0	16.0	
192.168.0.212	BT506-Smart	2017/6/28 17	220.1	220.1	27.1	100.0	10.0	30.1	
192.168.0.175	UPG Agent S	2017/6/28 17	208.4	208.4	21.5	100.0	10.0	25.0	
192.168.0.229	UPG Agent S	2017/6/28 17	104.1	110.0	2.1	100.0	10.0	11.2	
192.168.0.211	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	0.00/0	0.00/0	0.00/0	0.00/0	

Save As... Print... Clear All

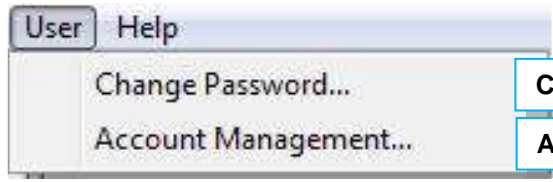
OK Cancel

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.
192.168.0.196	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.
192.168.0.229	2017/4/19	20:1:45	NetAgent is not able to connect to UPS.

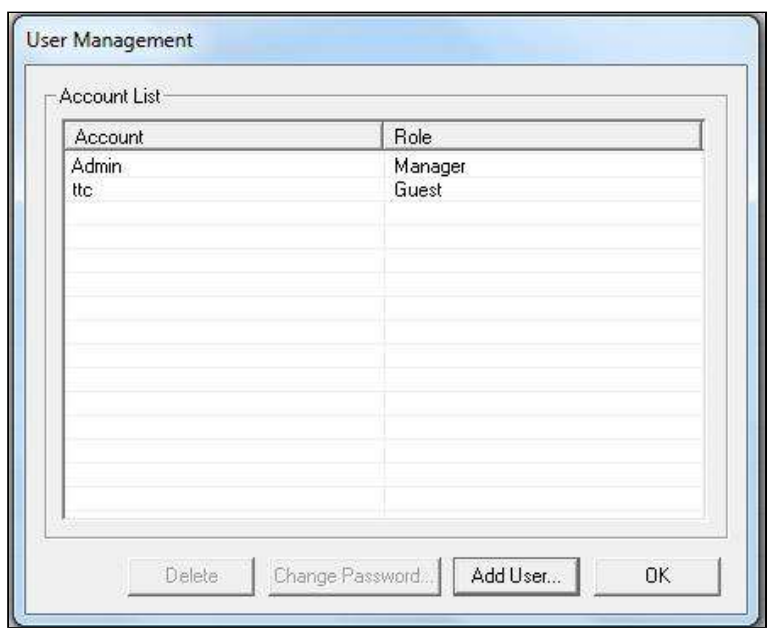
Save As... Print... Clear All

OK



Change SNMP View password

Add new user account





Menu Description

SNMPView Version and info



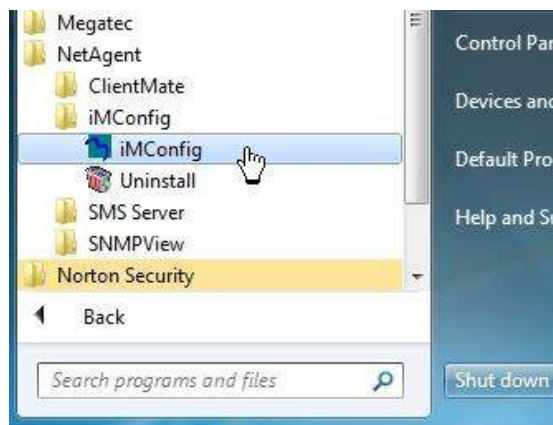
Chapter 8. iMConfig

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

Installation and setup

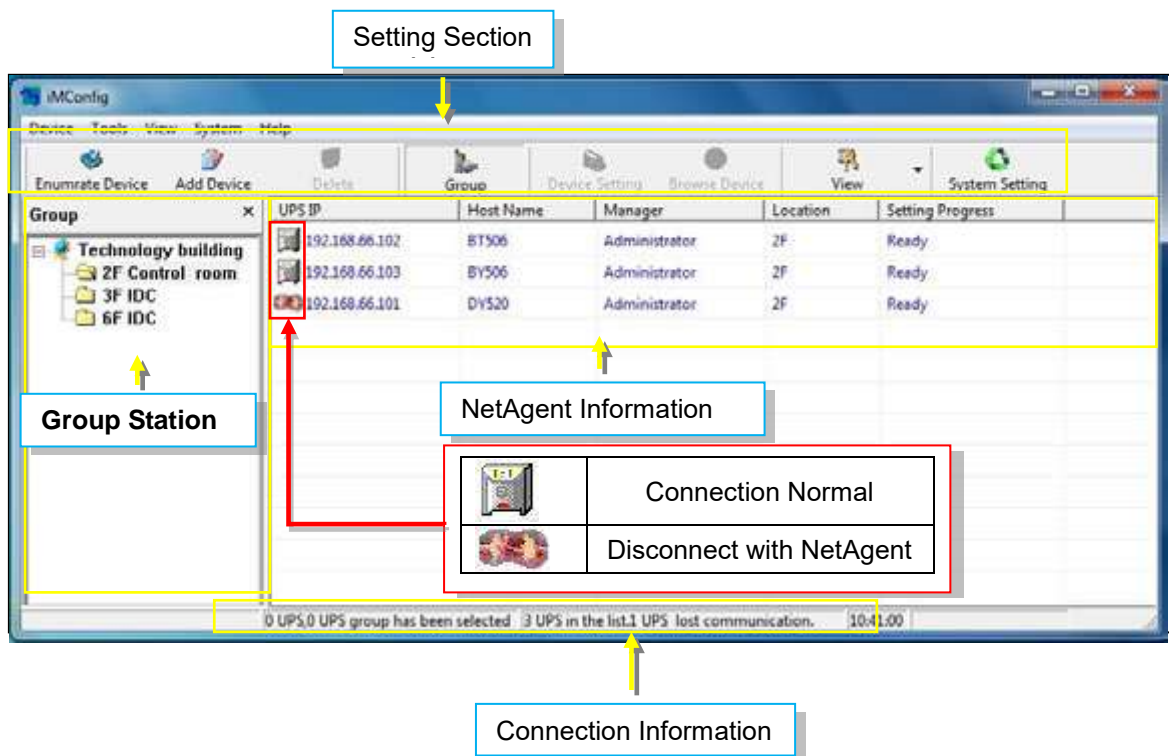
iMConfig is available in the CD provided with NetAgent. After installed, it saves under directory of

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 Settings', '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 ID', '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'. A context menu is open over the table, showing 'Connection Normal' and 'Disconnect with NetAgent' options. 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 the context menu options.

UPS ID	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

0 UPS,0 UPS group has been selected. 3 UPS in the list,1 UPS lost communication. 10:41:00

Connection Normal
Disconnect with NetAgent

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:

Community:

Add subsequent devices

OK Cancel

Add UPS Group

UPS Group

Group name:

Enable Background Map

Browse...

OK Cancel

Tools

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

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

UPS Properties

B. UPS Communication Type:

C. Number of Batteries:

D. Battery Full Charge Voltage (V):

E. Battery Exhausted Charge Voltage (V):

F. Date of last battery replacement (yy/mm/dd):

UPS Recorded

G. UPS Data Log:

Test UPS

H. Test UPS every:

I. Test UPS on Weekday:

J. Start Time of UPS Test (HH:mm):

K. UPS Test Type:

Warning Threshold Value

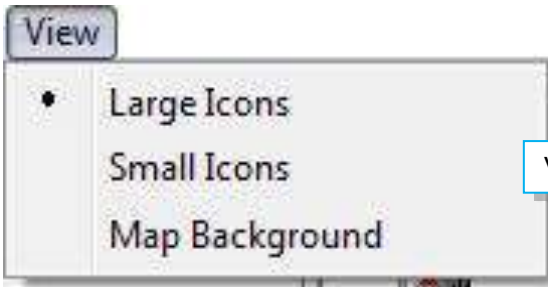
L. Time out after loss of connection:

M. Critical Load (%):

N. Critical Temperature (Celsius):

O. Critical Capacity (%):

OK Cancel



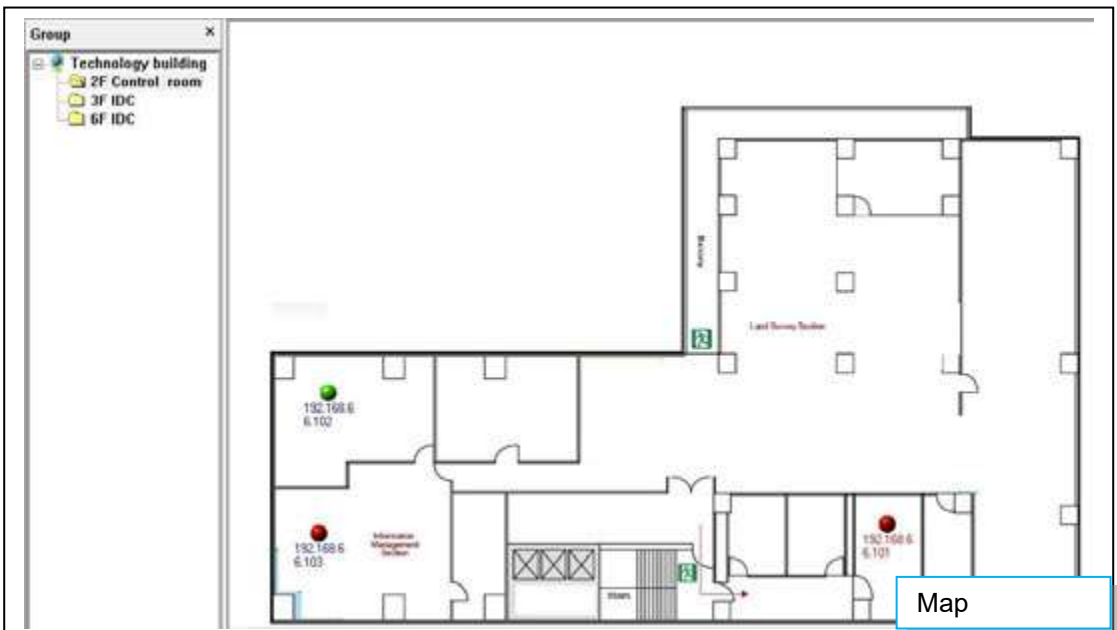
View with different mode

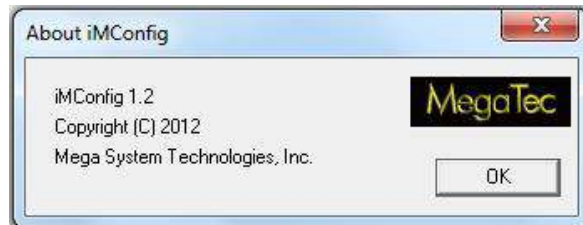
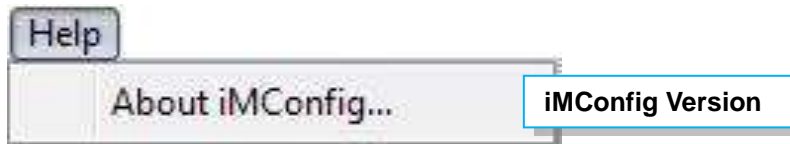
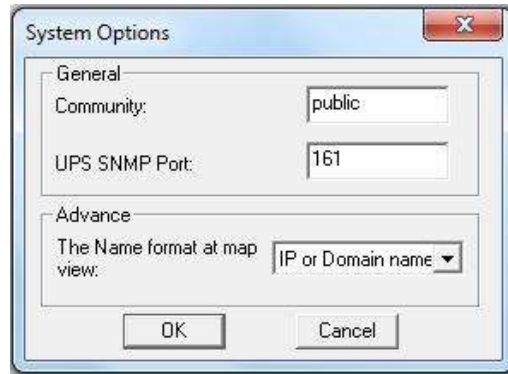
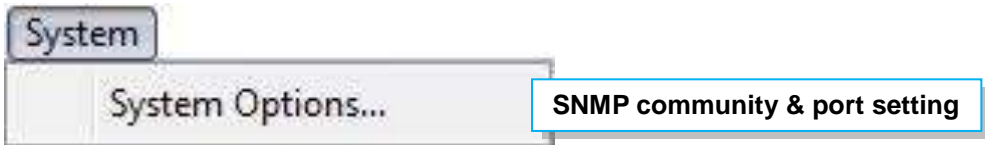


Large icon



Small icon



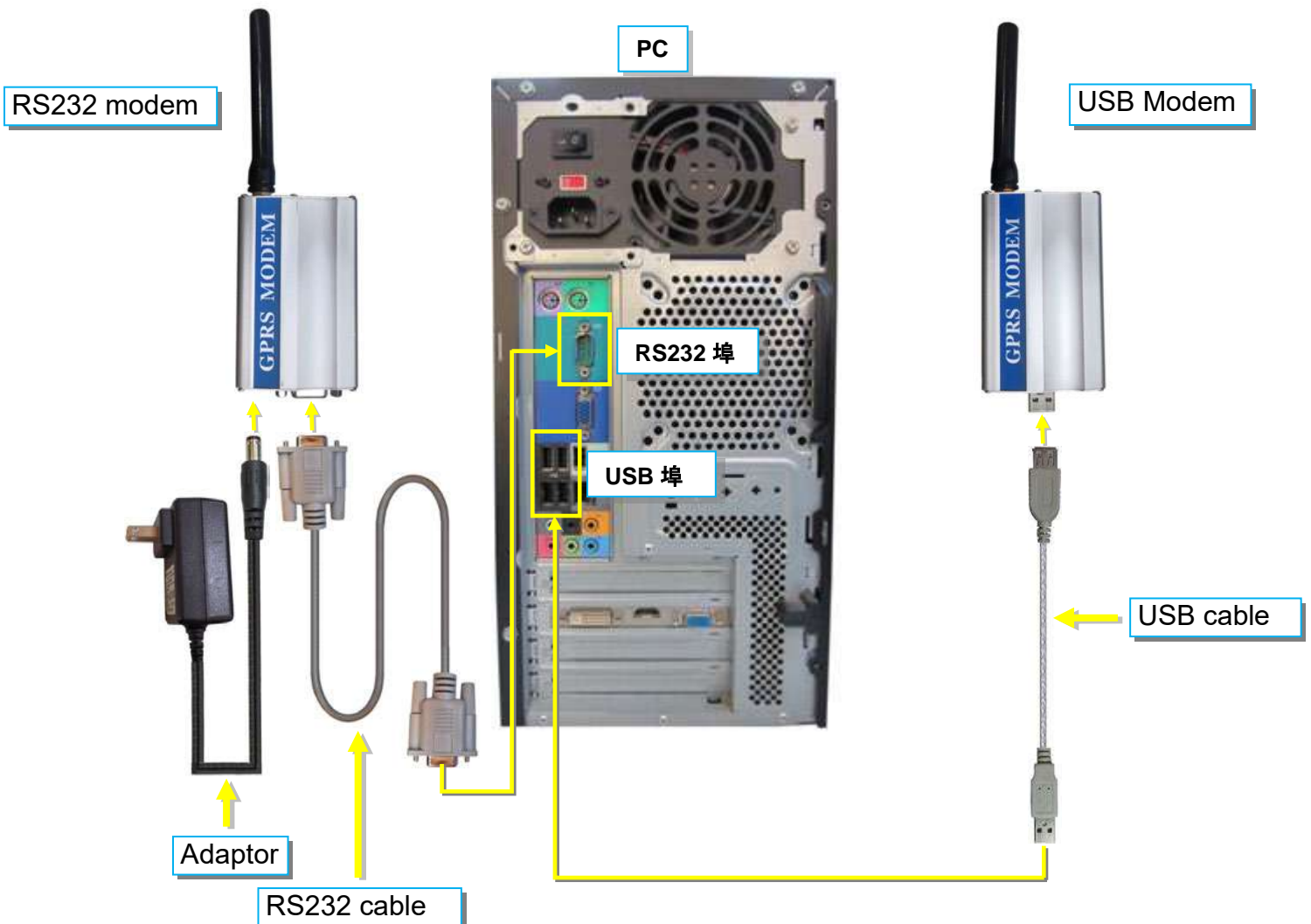


Chapter 9. SMS Server Software

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



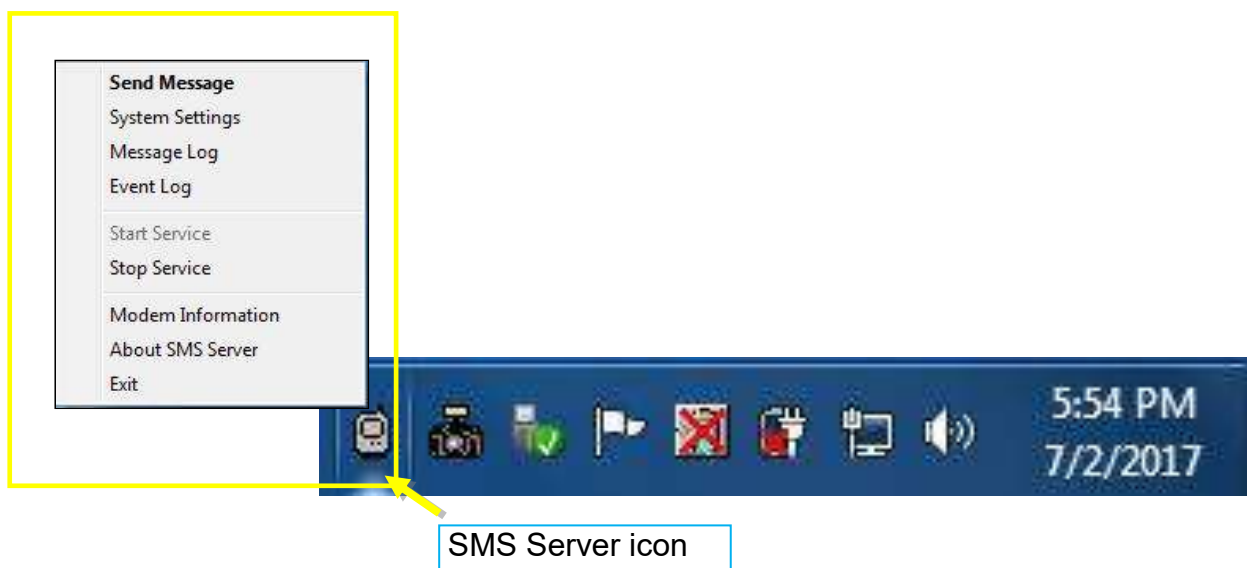
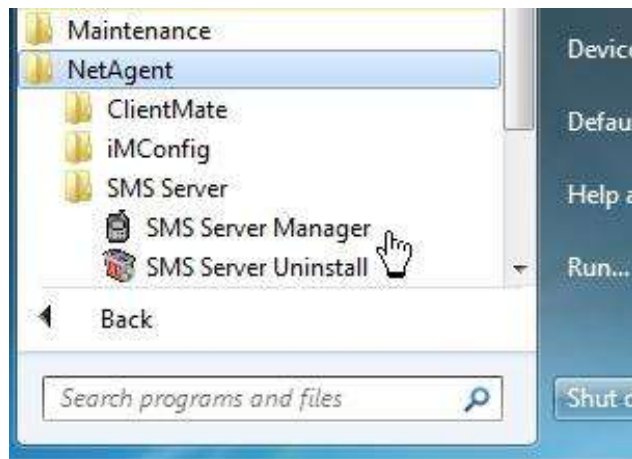
Modem Installation



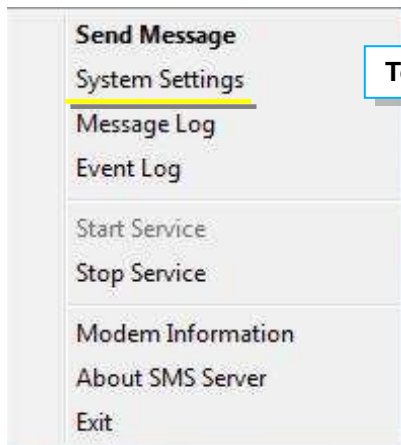
SMS Server Software Installation

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



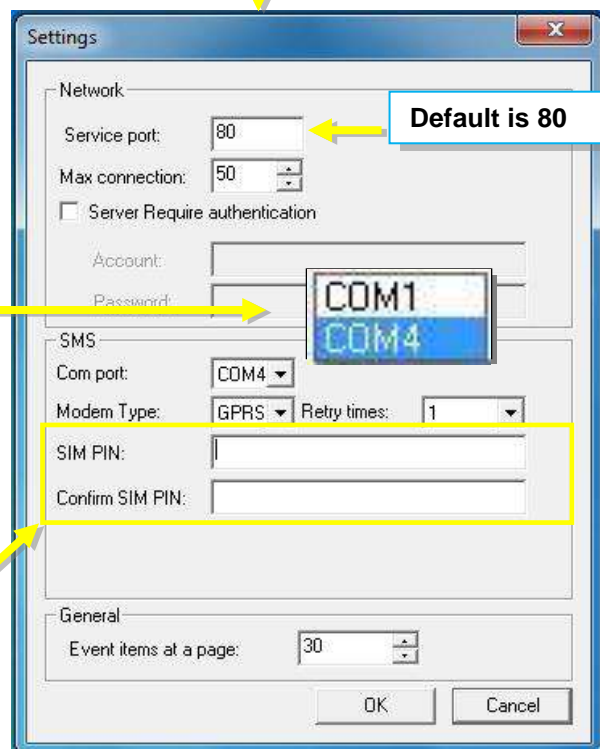
Settings



To configure type of modem, port, SIM PIN

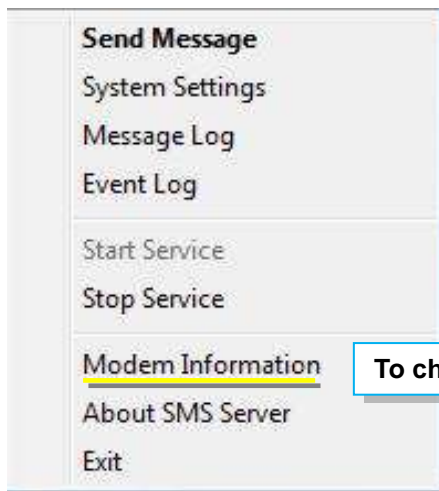
Check the virtual port number when using with USB modem

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

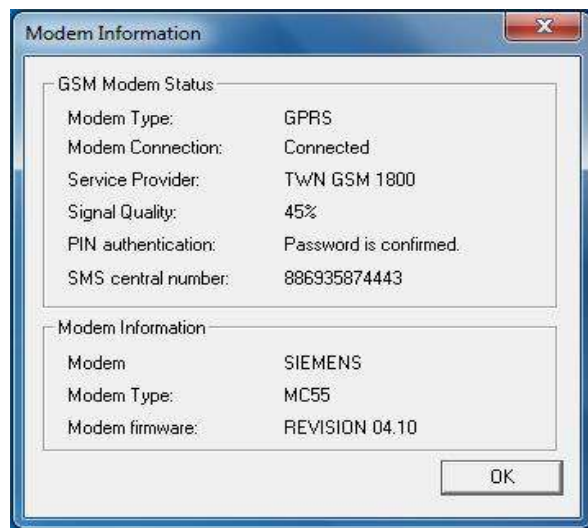


Default is 80

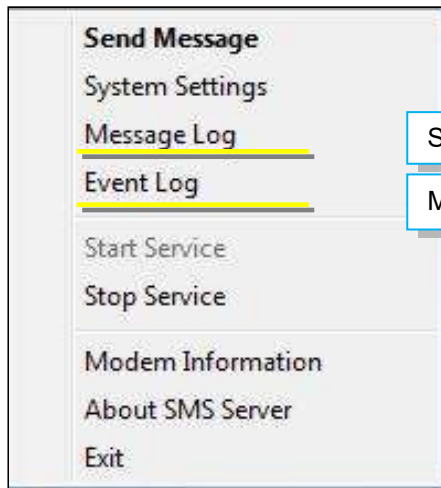
If PIN required, please enter



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

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

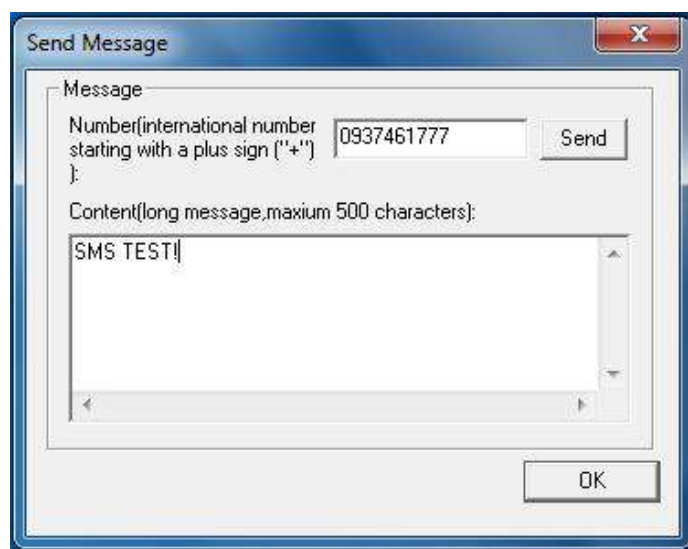
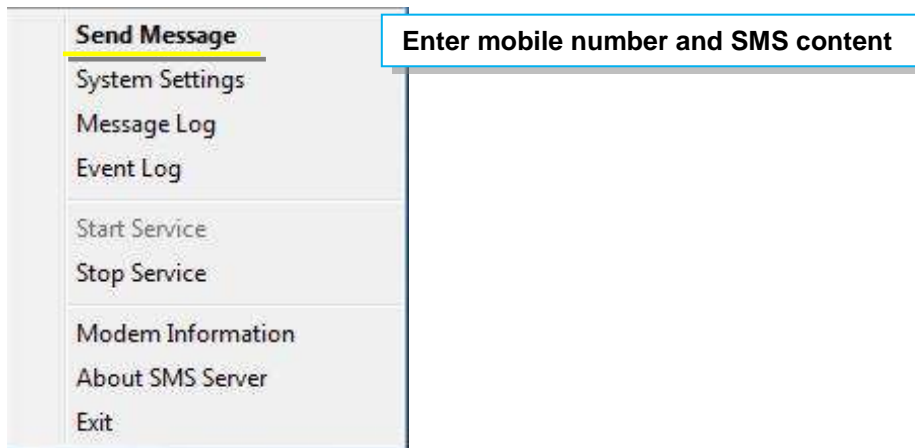
First Page Last Page Page Up Page Down Page: 1 Delete... OK

Event List

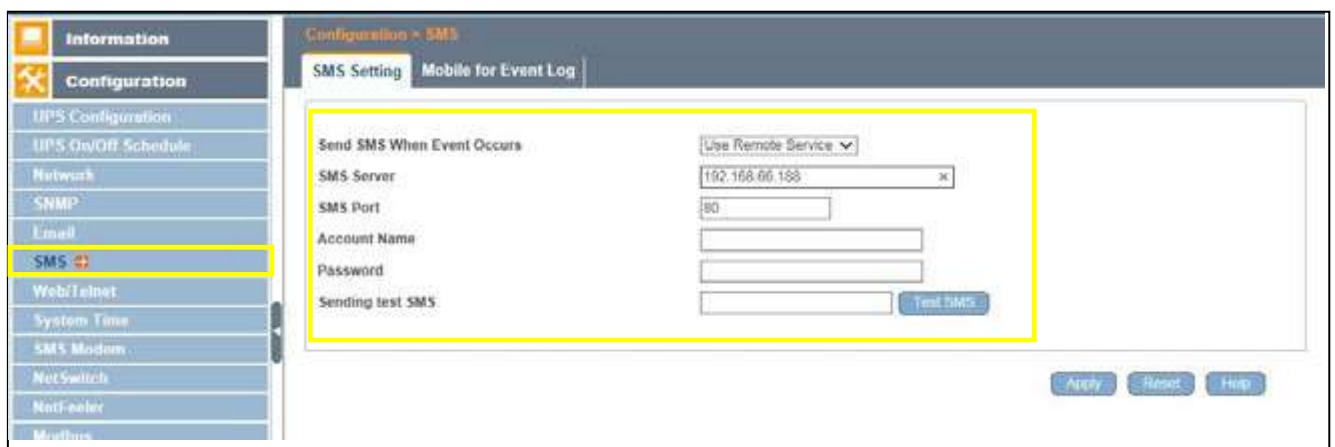
NO.	Type	Number	Address	Result	Time	Content
1	System I...	00000000000	127.0...	FAIL	2017/05/14 11:39:04	Serial communi
2	System I...	00000000000	127.0...	OK	2017/05/14 11:42:03	Service startup
3	System I...	00000000000	127.0...	FAIL	2017/05/14 11:42:03	Serial communi
			127.0...	OK	2017/05/14 11:47:41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



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

