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/l000M 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?

❶ 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.

❷ 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.

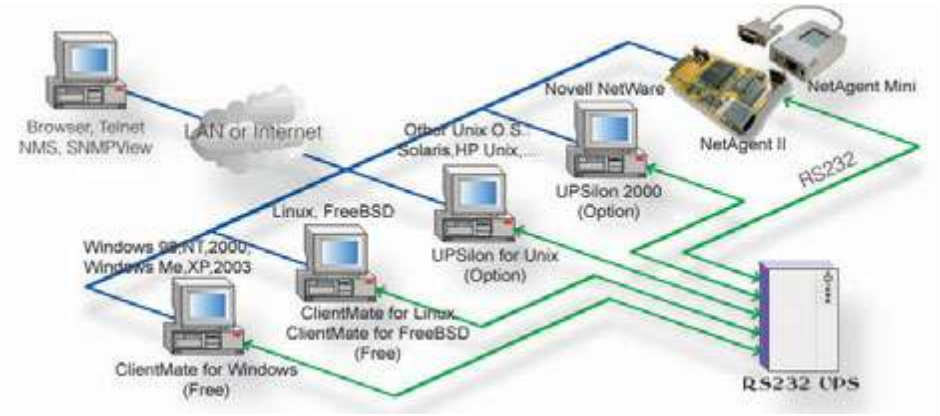


Fig.1 Network connection diagram of NetAgent and shutdown software

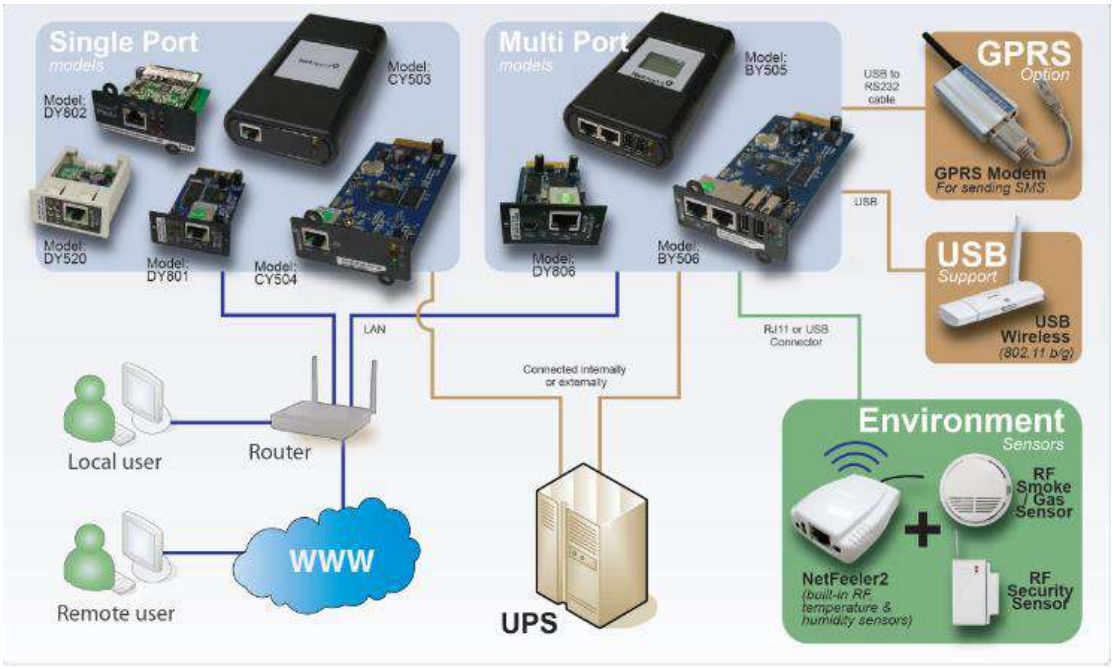
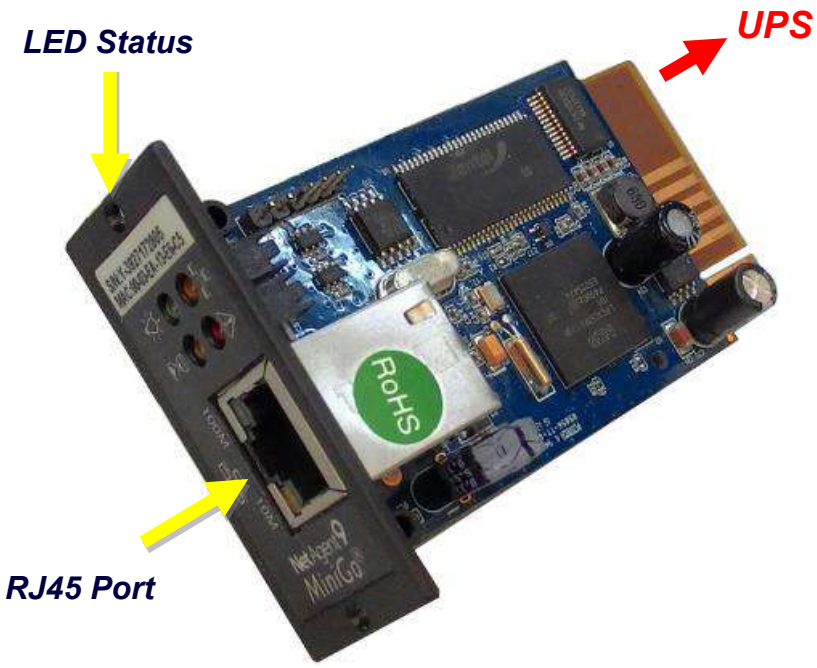


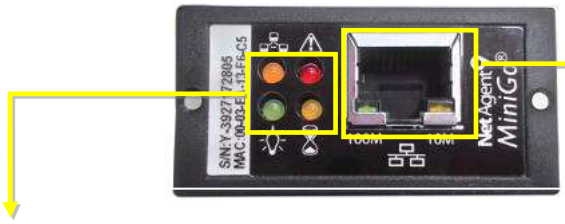
Fig.2 NetAgent 9 connection diagram with NetFeeler

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



Status LED **RJ45 Ethernet**

Amber	Red	
Communication	**Connection Status with UPS**	
Flashing	**Flashing**	**Off**
Transferring data with UPS	Lost connection	Connecting with UPS

Green	Yellow	
Power Status	**NetAgent Mini Status**	
On	**Off**	**On**	**Off**
Normal	No Power	Operating	Stop working



Green	
On	**Flashing**
100 Mbps	Sending/ Receiving Data

Yellow	
On	**Flashing**
10 Mbps	Sending/ Receiving Data

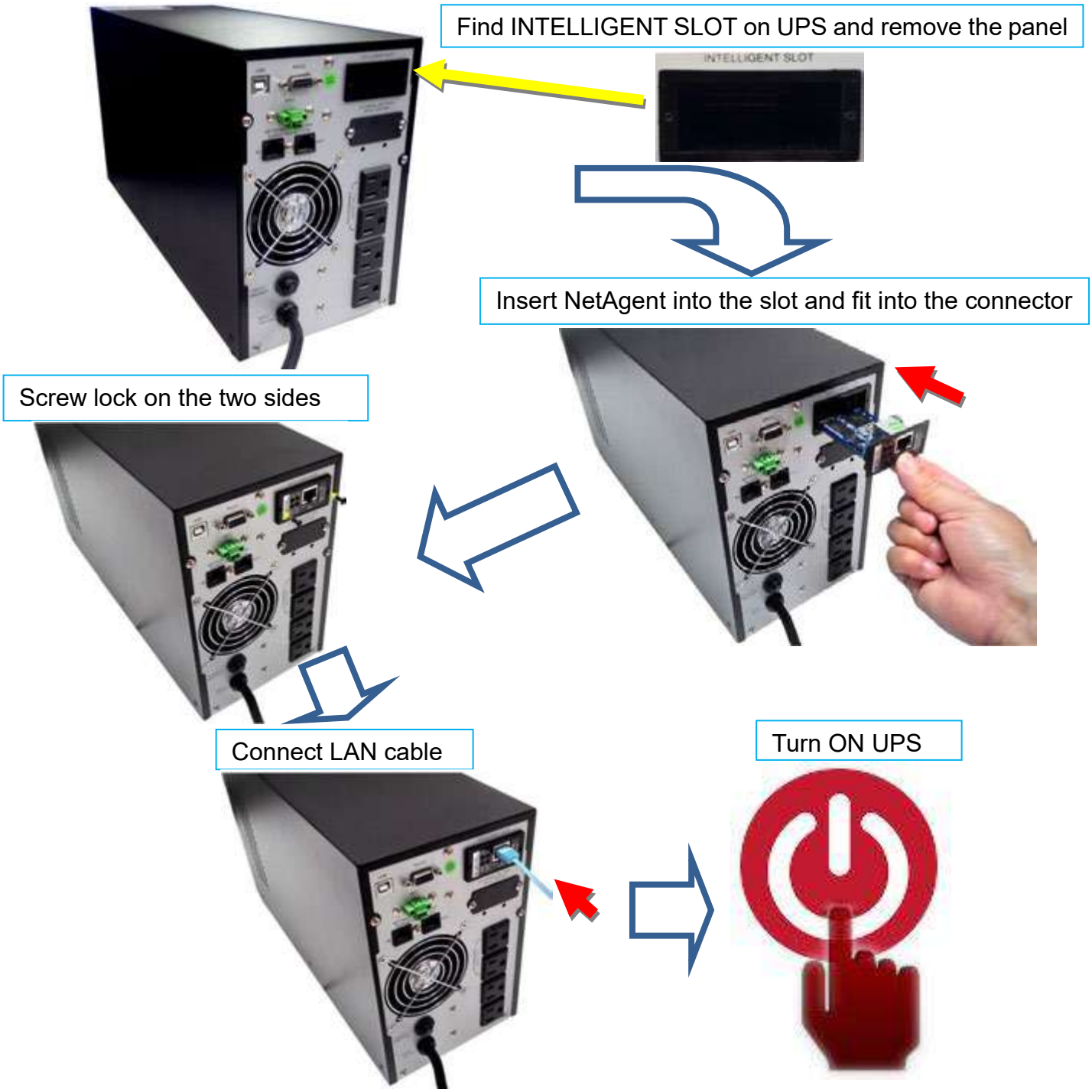
NOTE : When writing firmware, red led alternating flashing, DO NOT remove any power

Chapter 3. Installation

3.1 Hardware Installation

■ **Internal NetAgent**

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

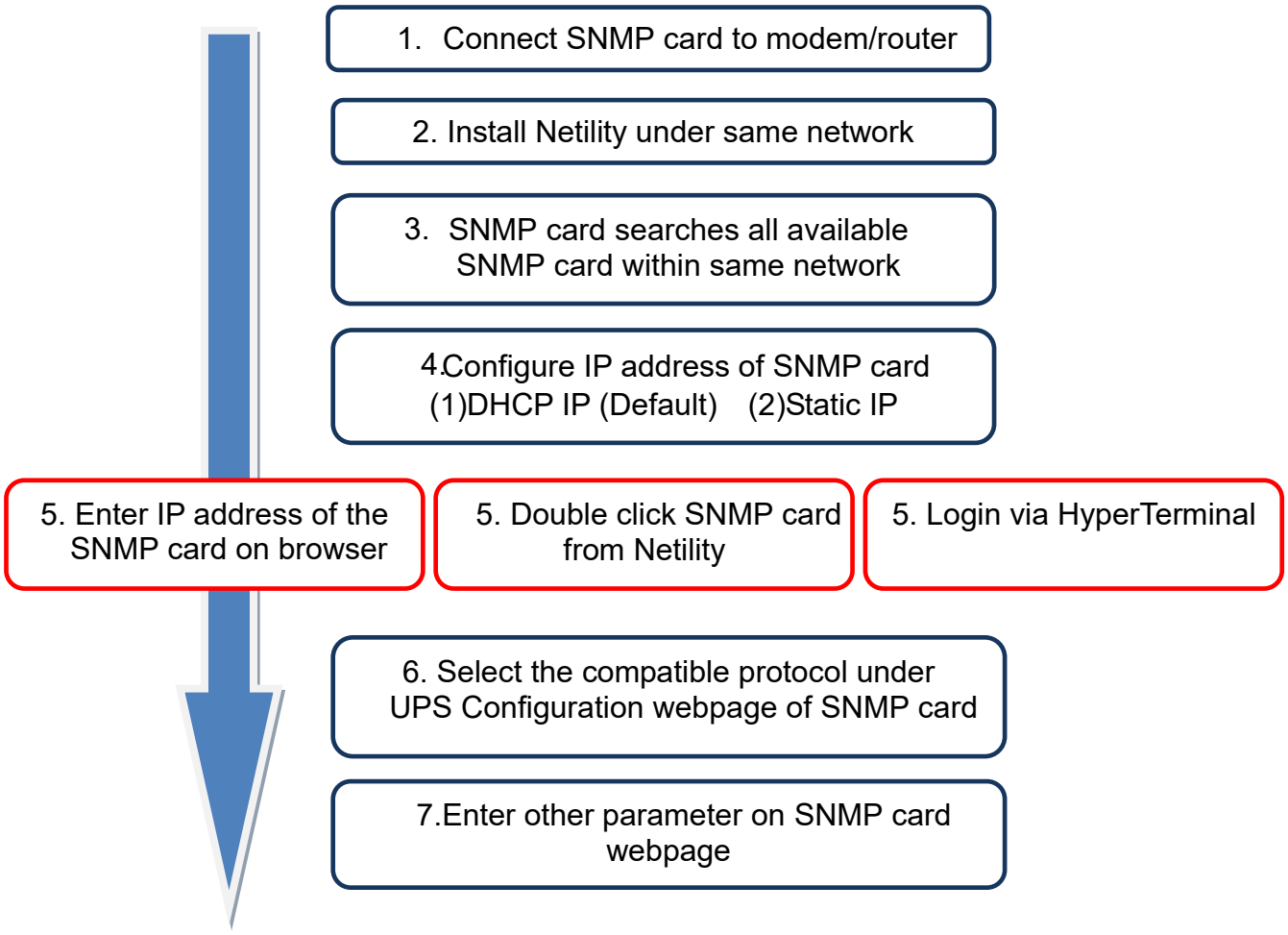


3.2 Software Installation

To managment 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

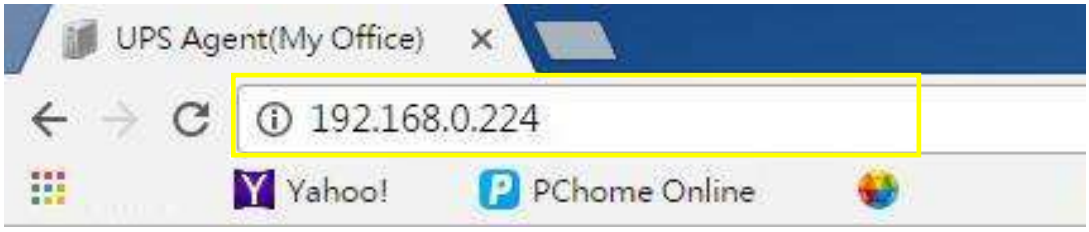


NOTE 1：Each SNMP card has its unique serial number / MAC address and Password. This is available on the label of each unit. This helps to identify the card information on Netility





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

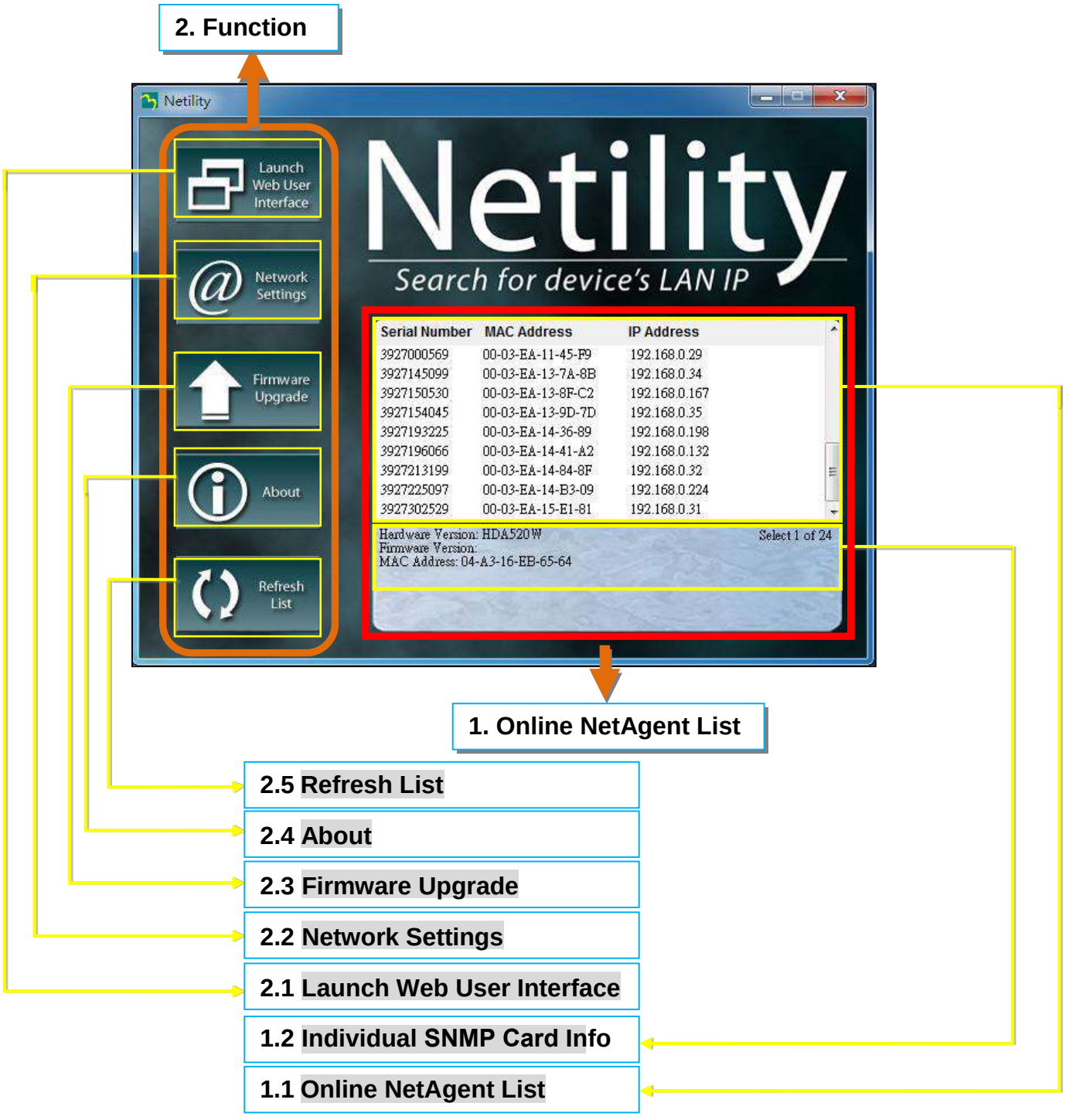
■ Netility Installation

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

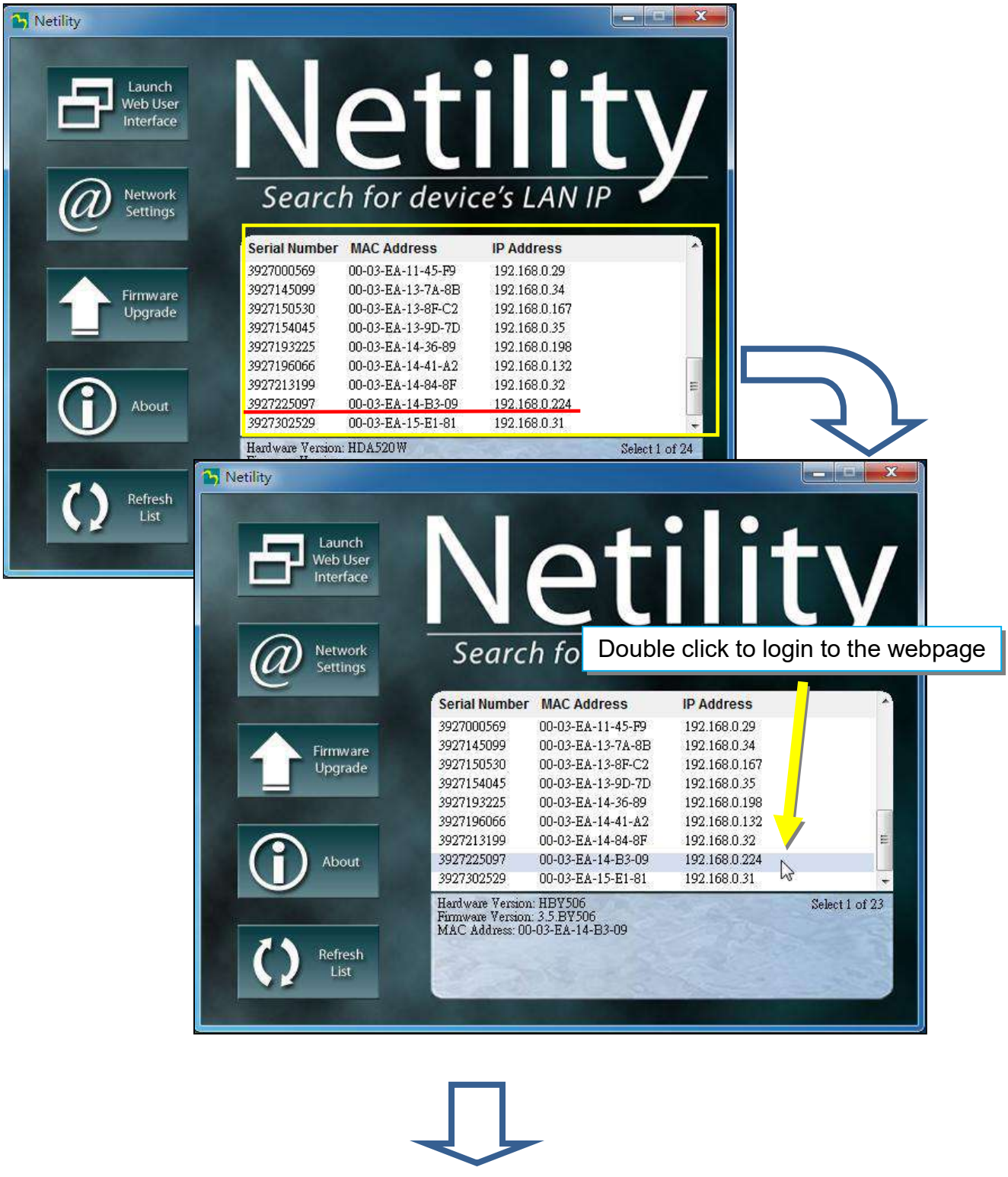
Netlity main pages divided into 2 sections:

1. Online SNMP card List **2. Function Selection**



1.1 Online NetAgent List

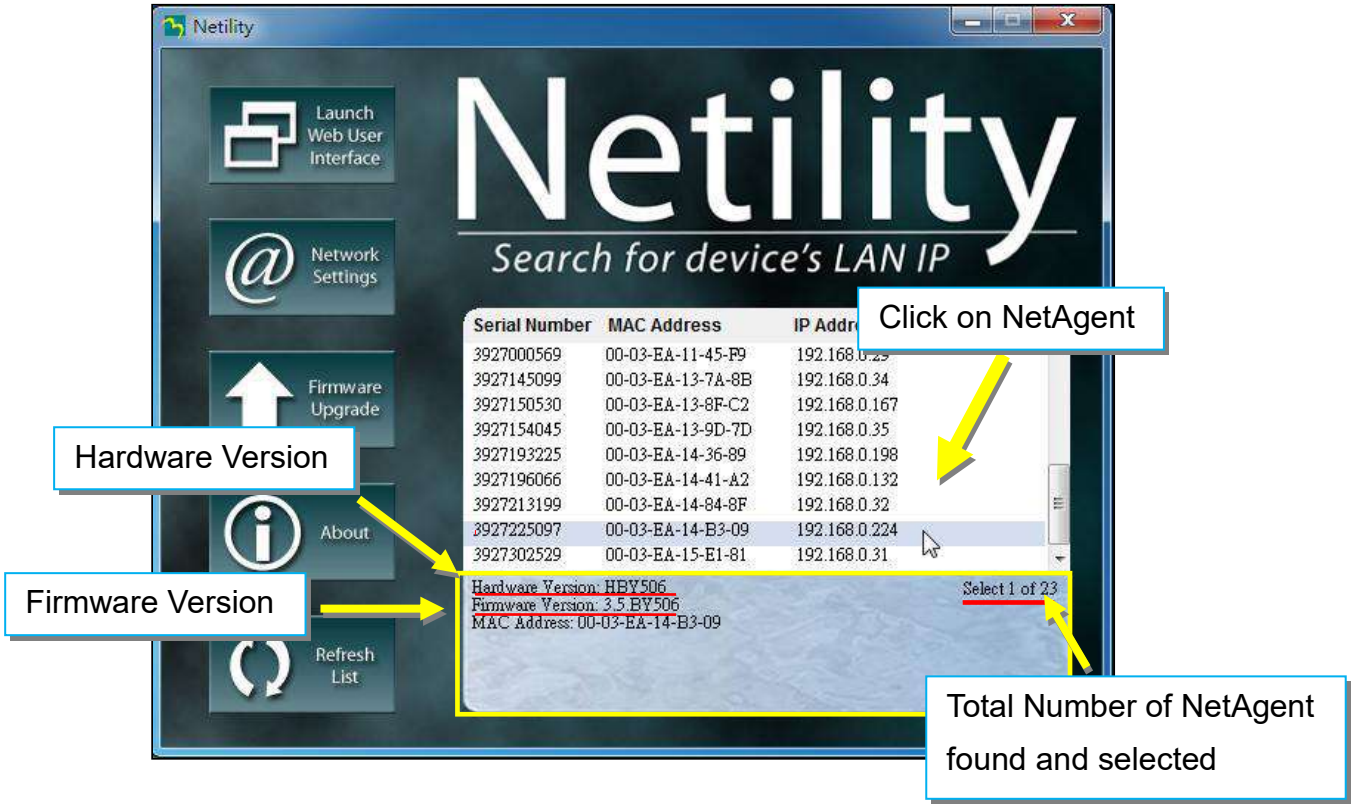
When open up Netility , it automatically searches all the available online SNMPcard within the network with its serial number, IP address, MAC address. Double click on the specific SNMP cardt with valid IP address, it will direct to the SNMP card's webpage. (L i s t r e f r e s h e s a u t o m a t i c a l l y e v e r y 2 m i n u t e s)





1.2 Individual NetAgent Info

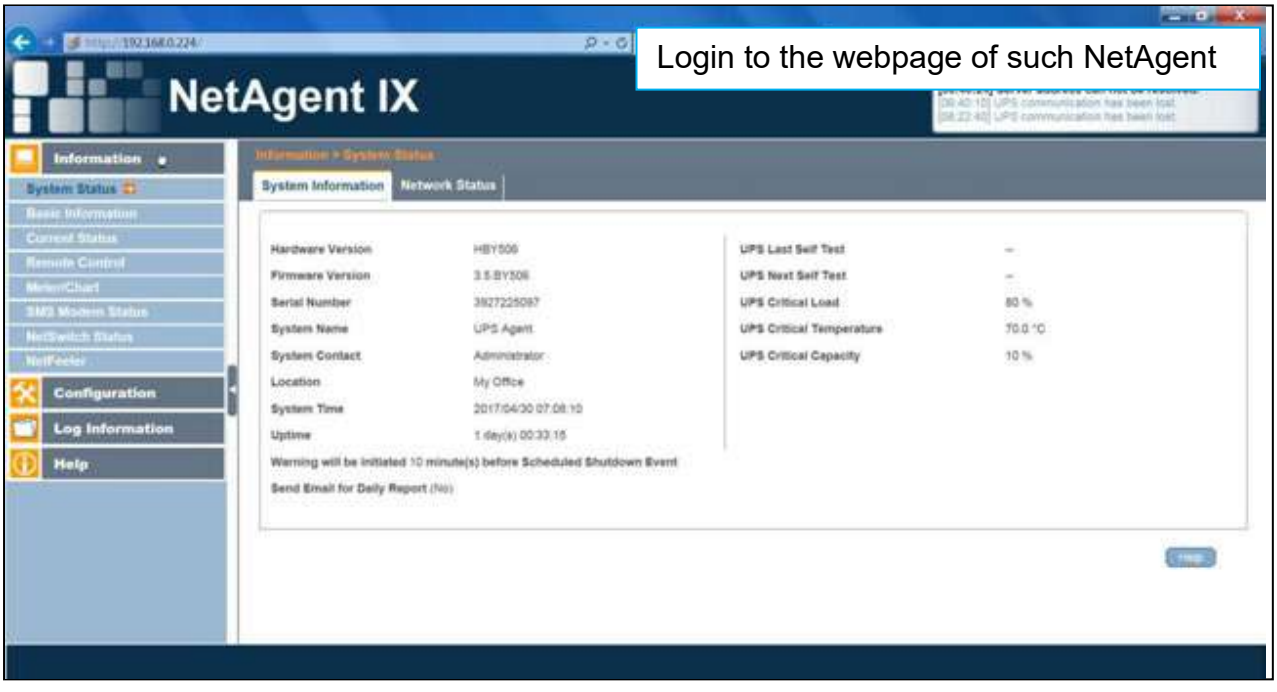
Click on specific NetAgent , the bottom column shows its hardware , firmware version and MAC address. It also shows the total NetAgent number that found by Netility and selected



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





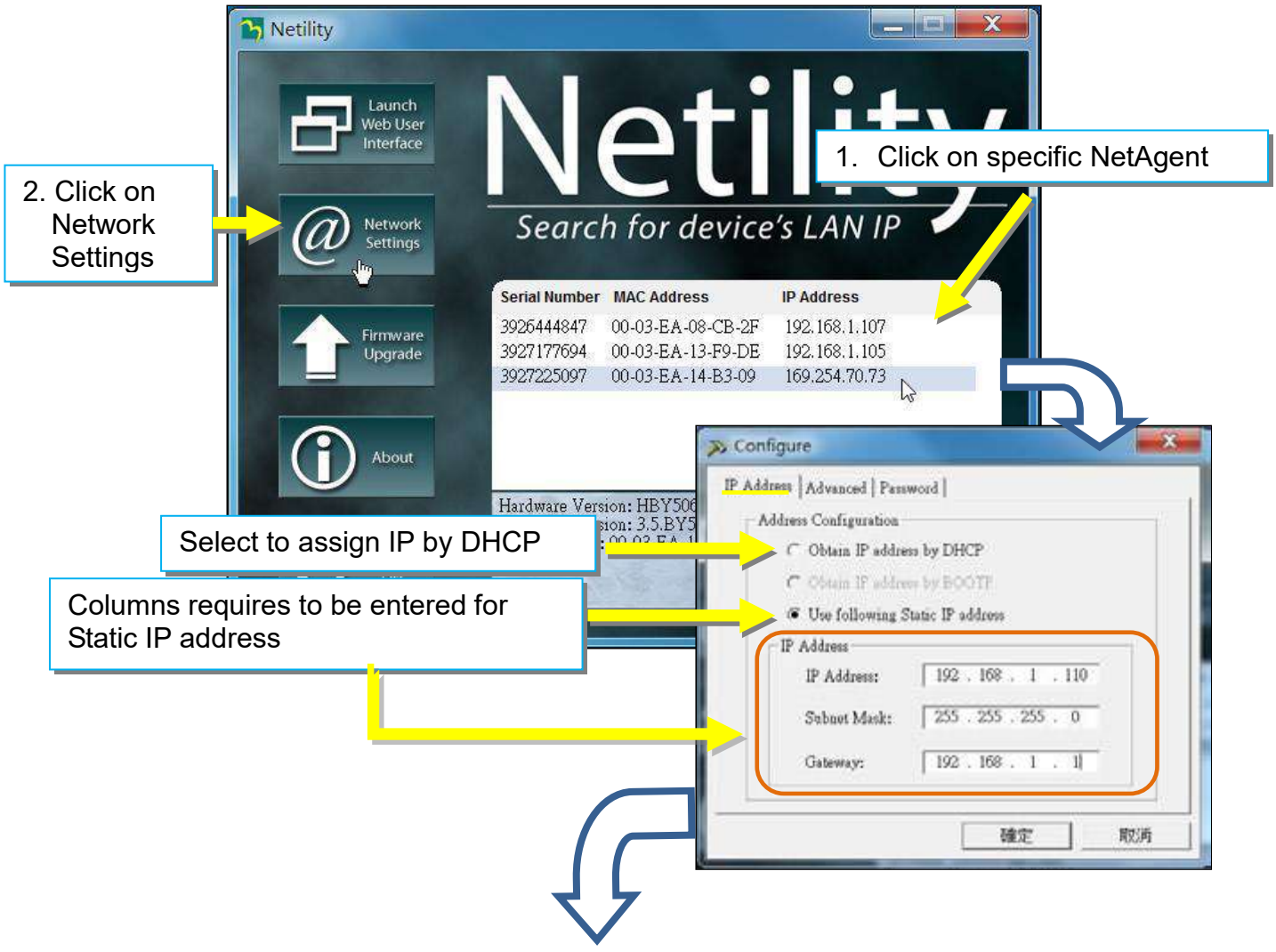
2.2 Network Settings

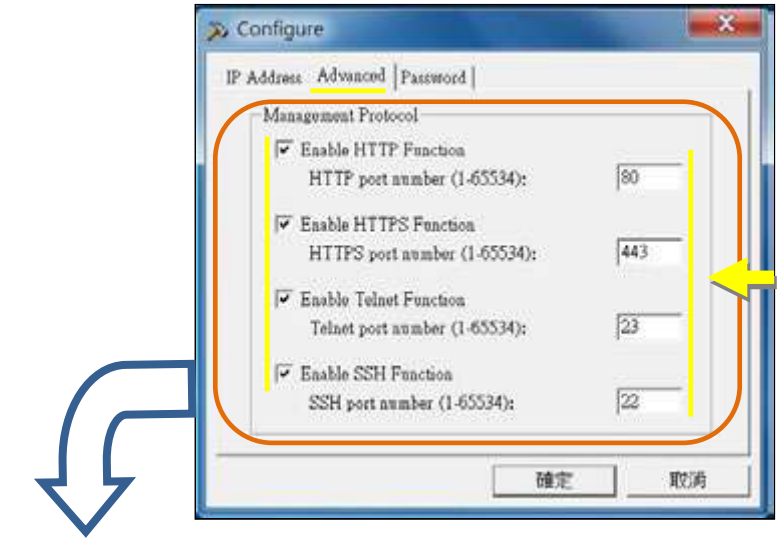
- When connecting the NetAgent for the first time, ensure IP address and other network setting are correctly entered in order to login to the NetAgent's webpage via browser or HyperTerminal

- When select to obtain IP address by DHCO 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 HyperTermnal 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





Default port for each protocol



Enter password

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



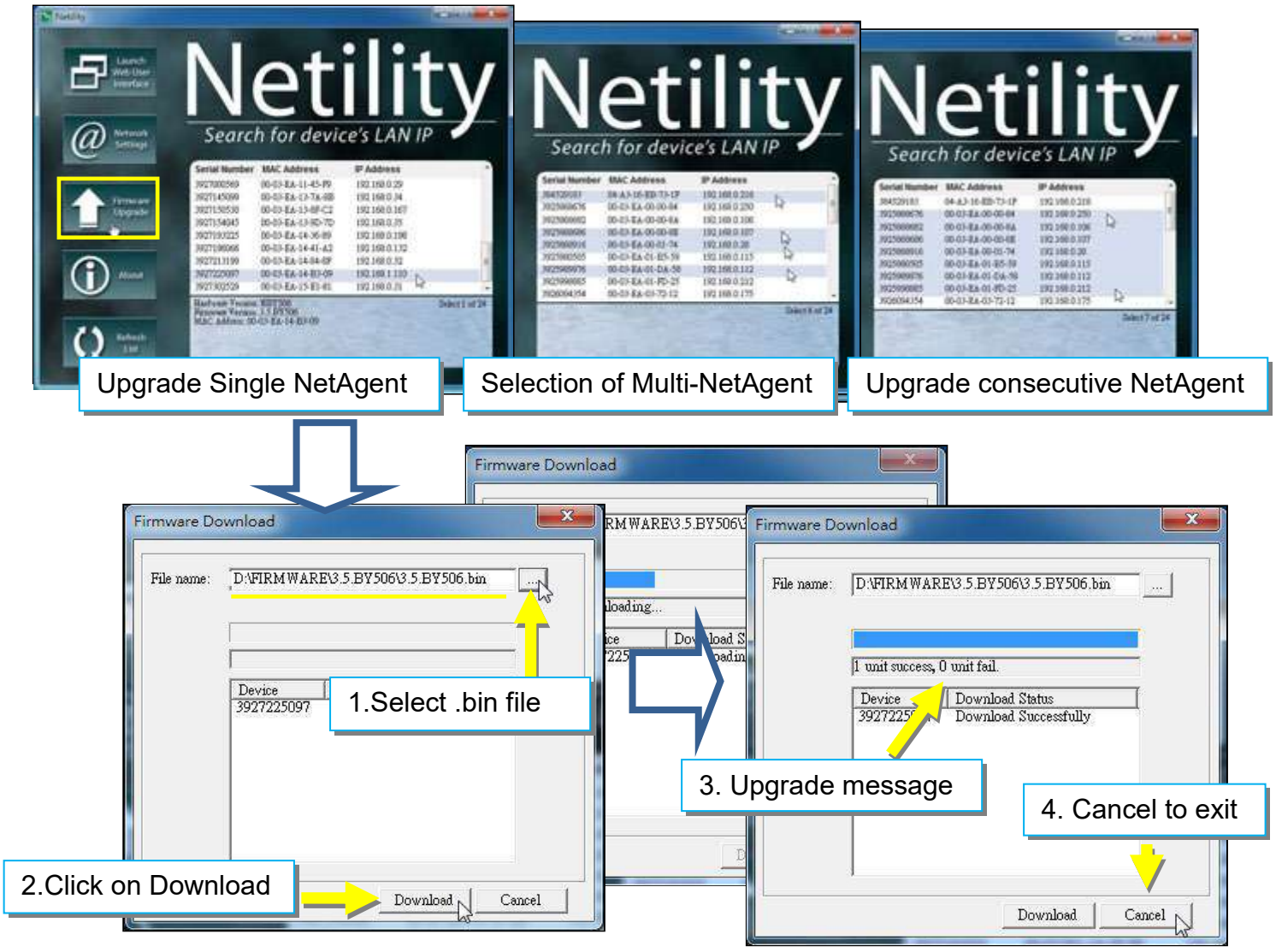


2.3 Firmware Upgrade

- 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

  ✹ **WARING**：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.



2.4 About

Here shows the current Netility verison



2.5 Refresh List

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



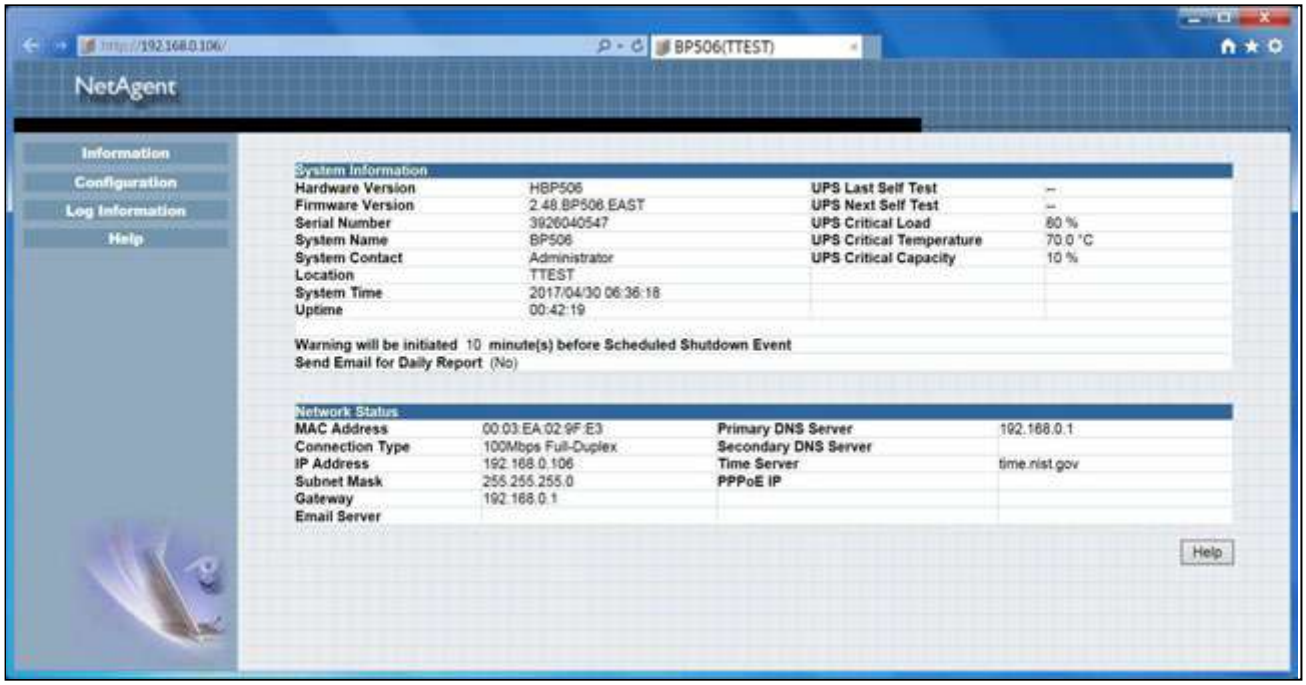
4.3 SNMP NetAgent Setting

4.3.1 Web Interface

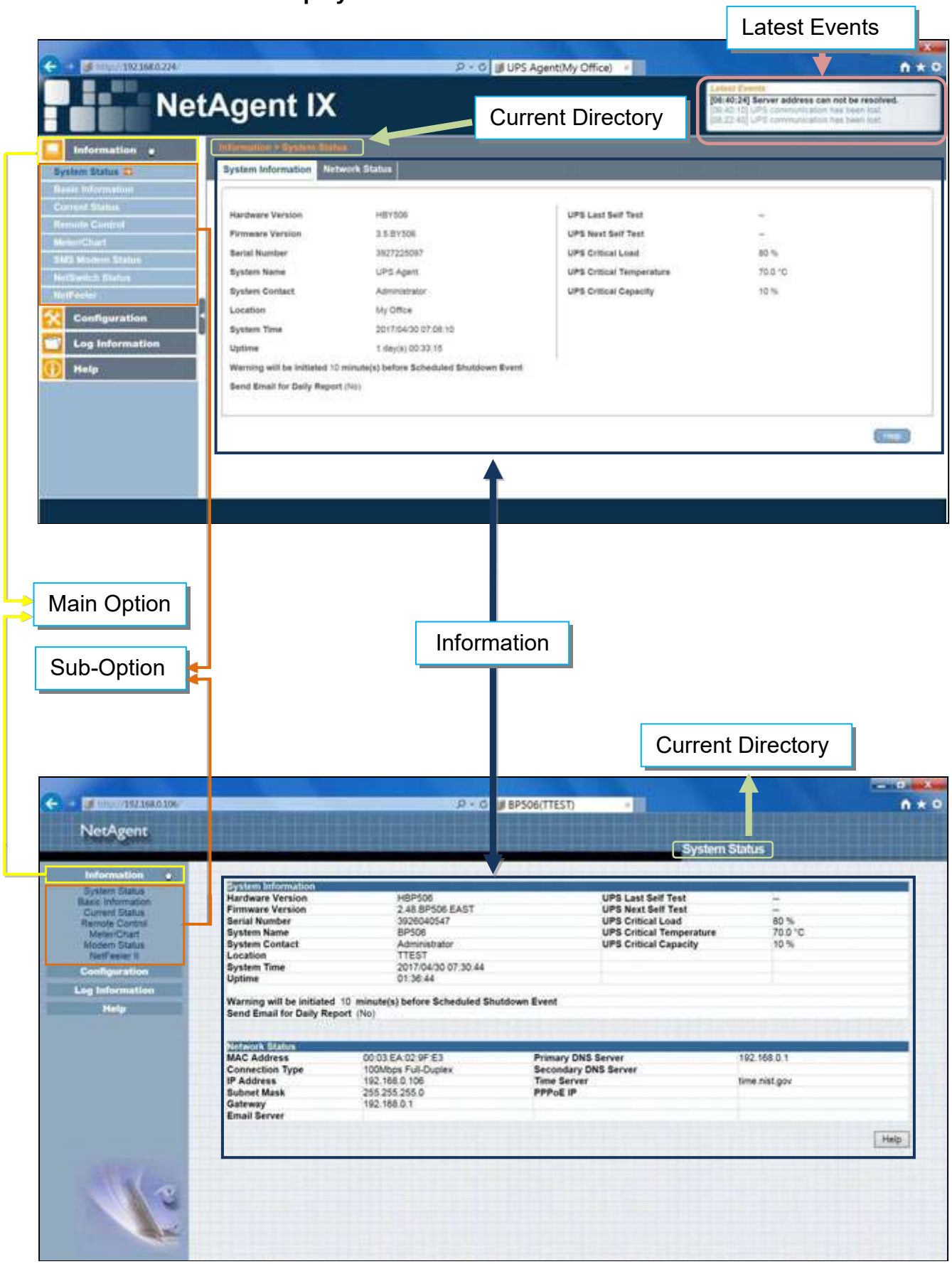
SNMP Mini & NetAgent 9



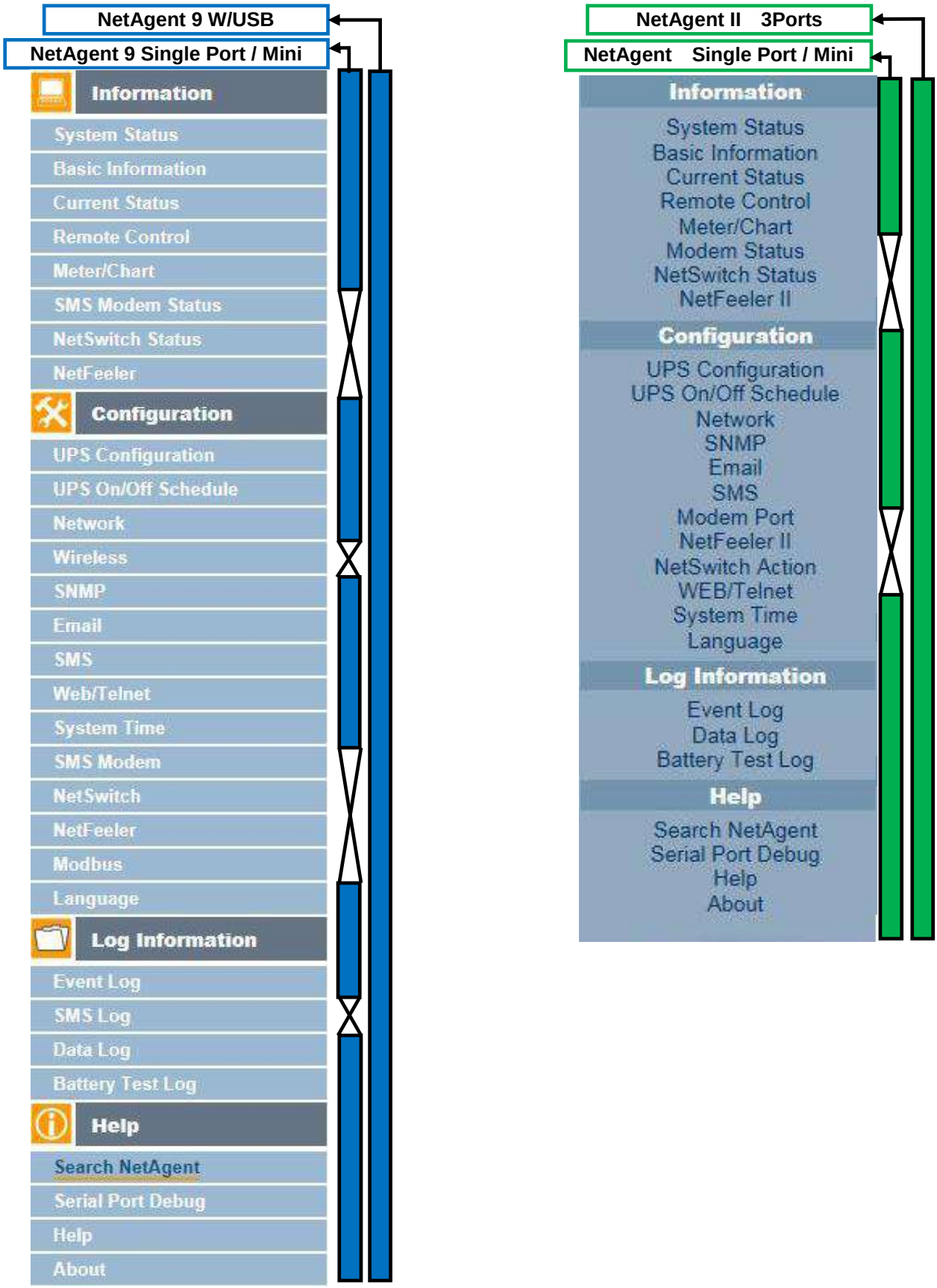
SNMP Mini & NetAgent II



■ Web Interface Display



4.3.2 NetAgent Option Directory Structure

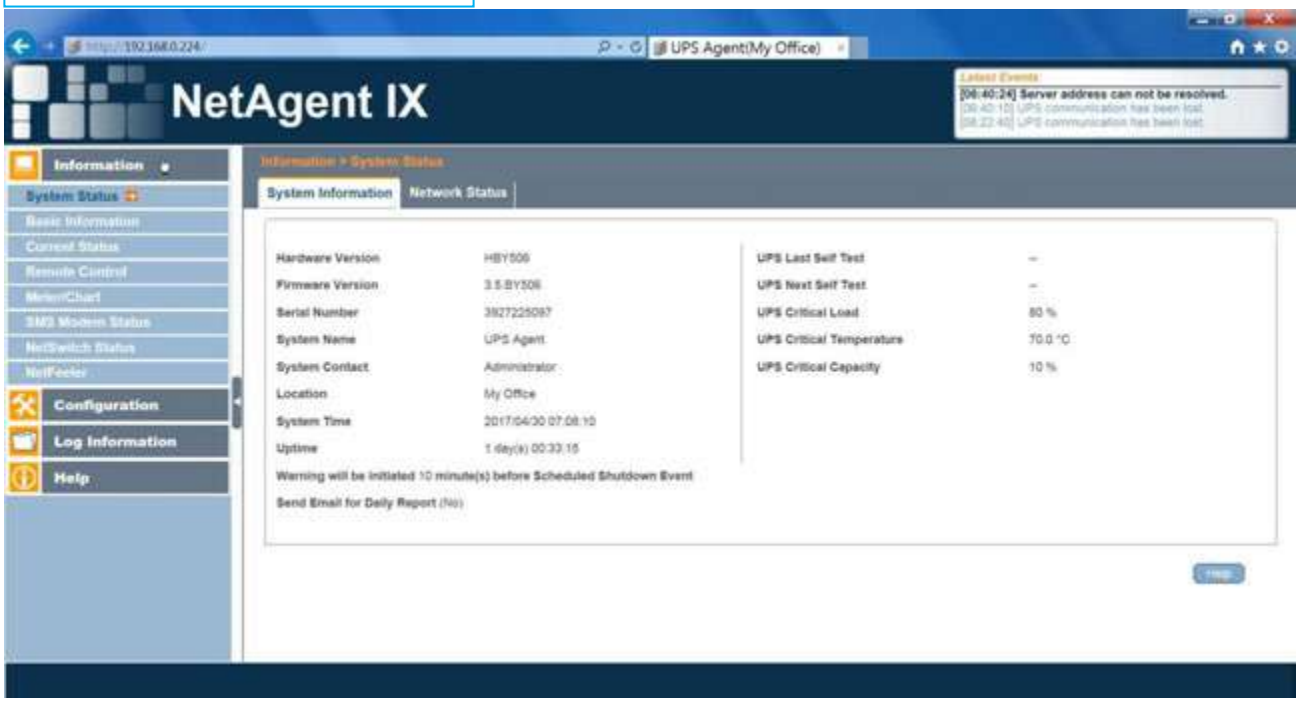


4.3.3 snmp CARD Setting Options

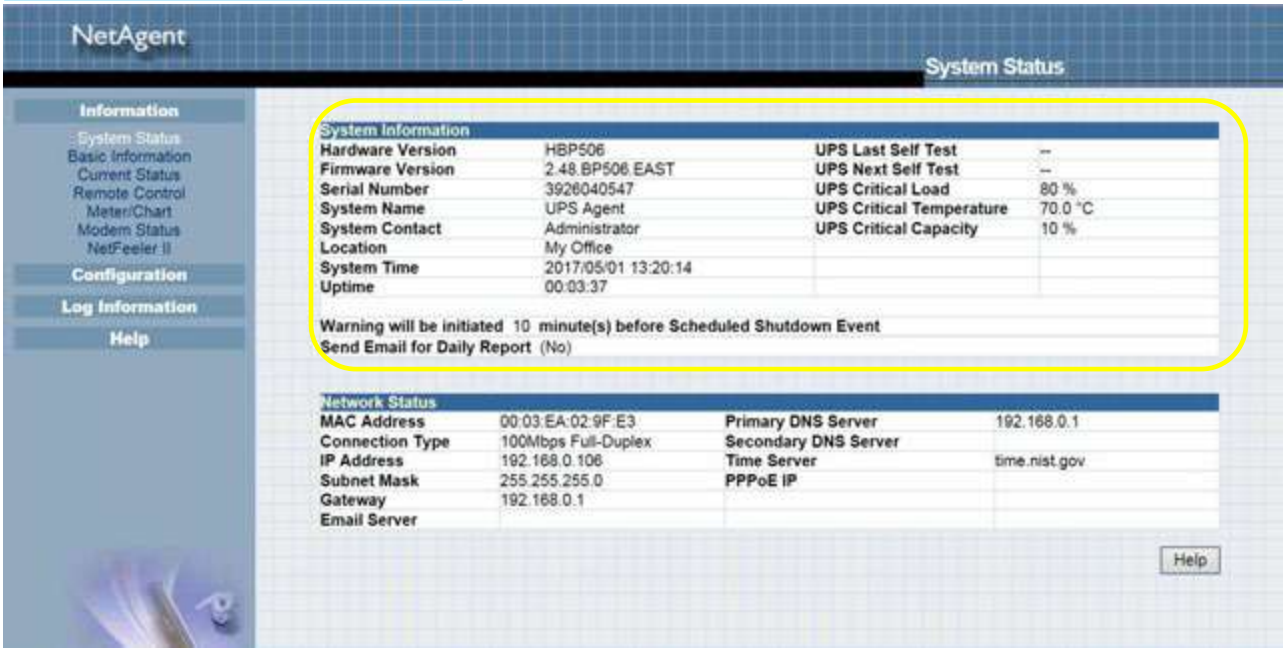
- **Information > System Status**
- **Sysyem Information**

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

NetAgent 9 Mini & NetAgent 9



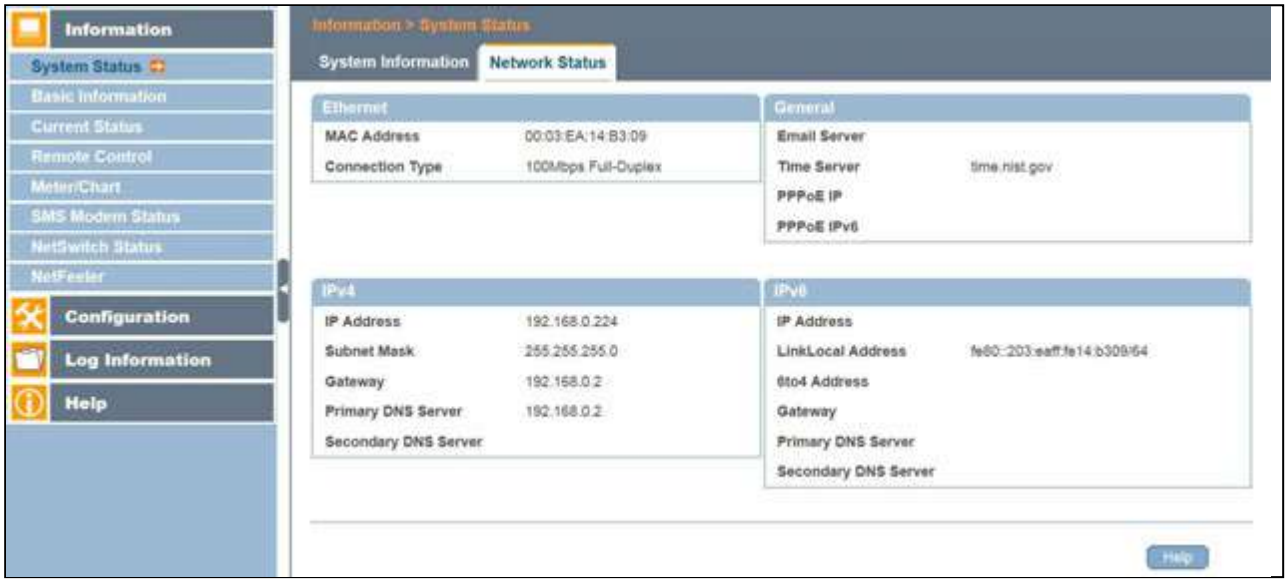
NetAgent Mini & NetAgent II



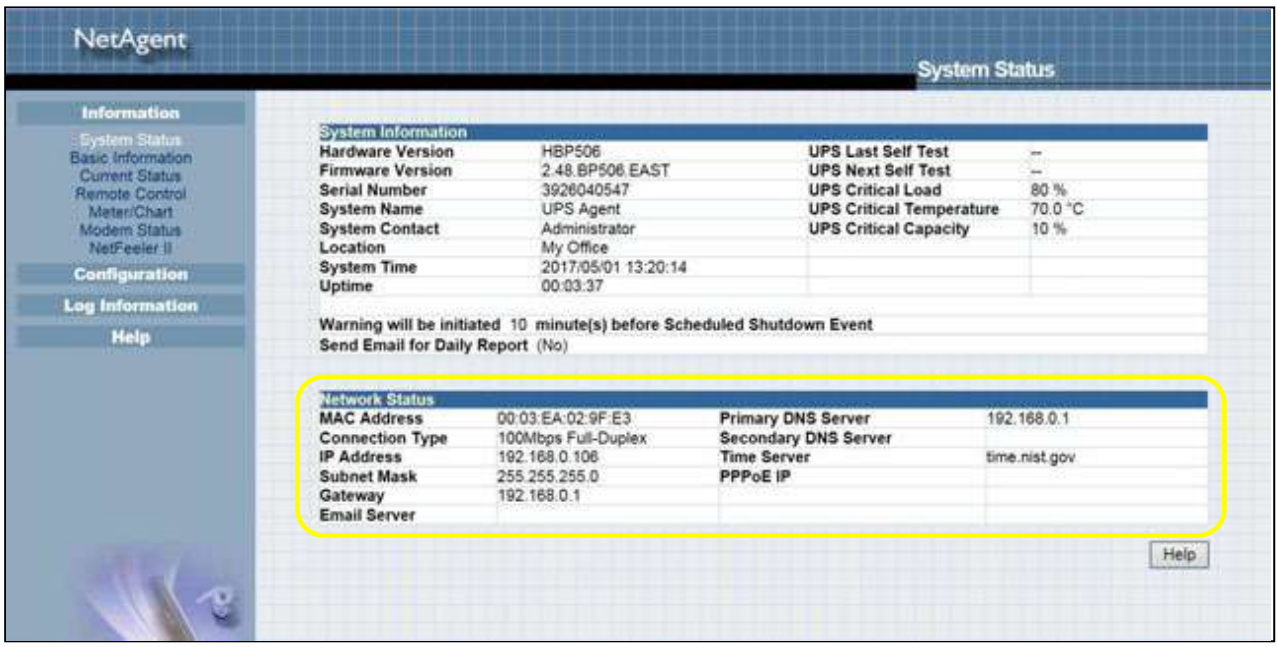
- **Network Status**

  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



NetAgent Mini & NetAgent II



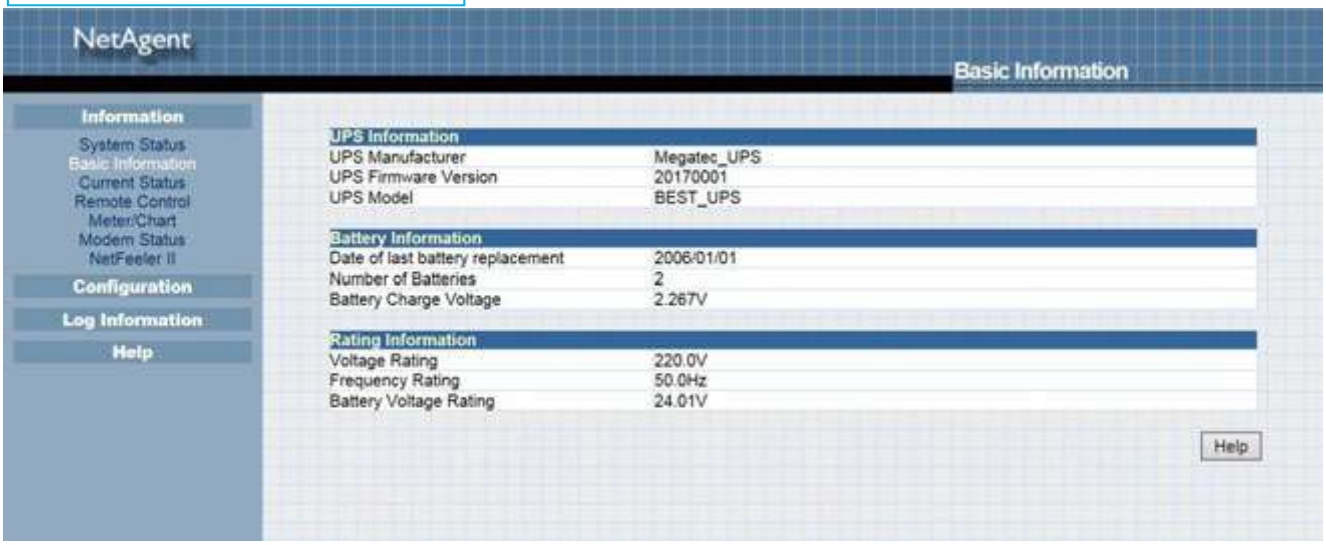
■ Information > Basic Information

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



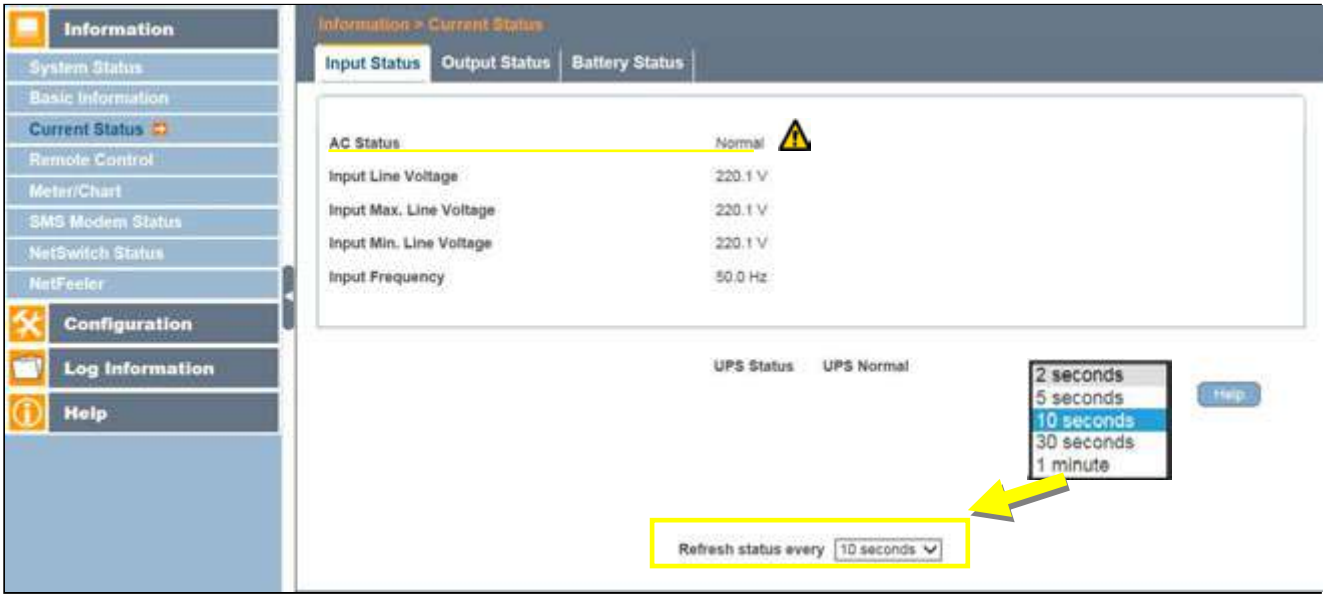
NetAgent Mini



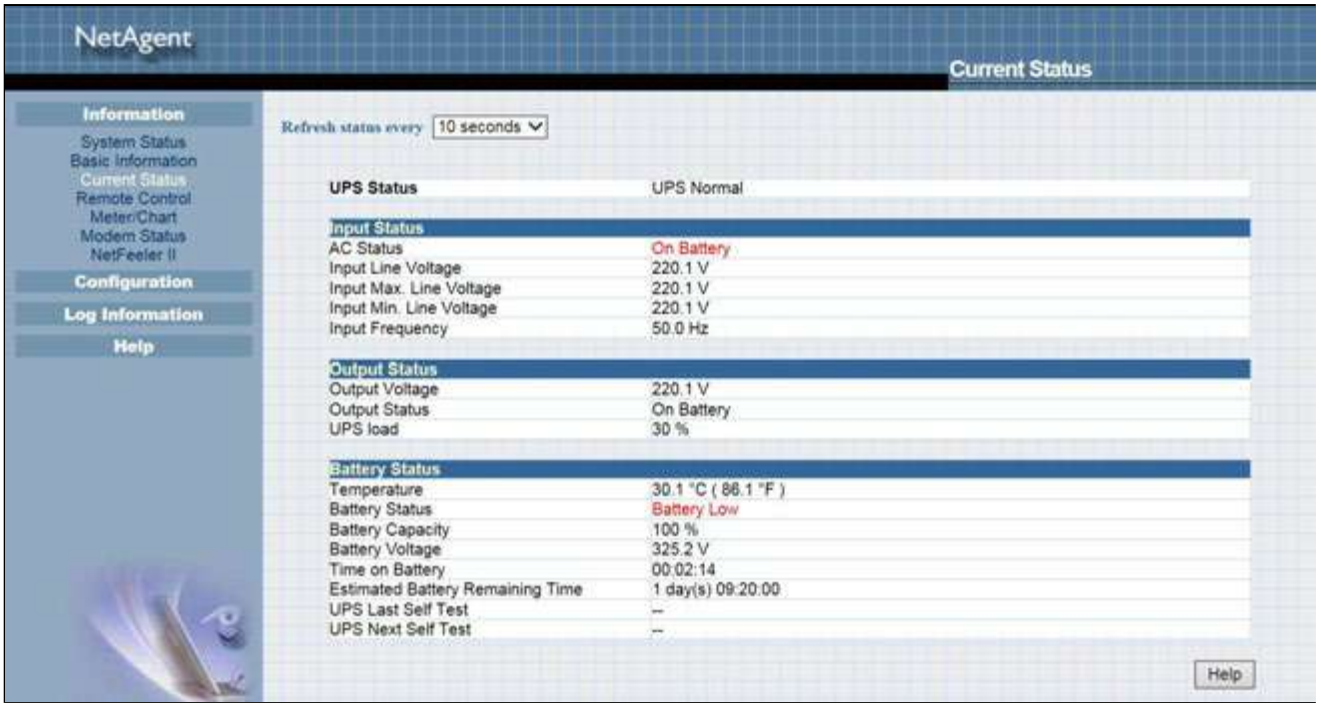
■ Information > Current Status

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



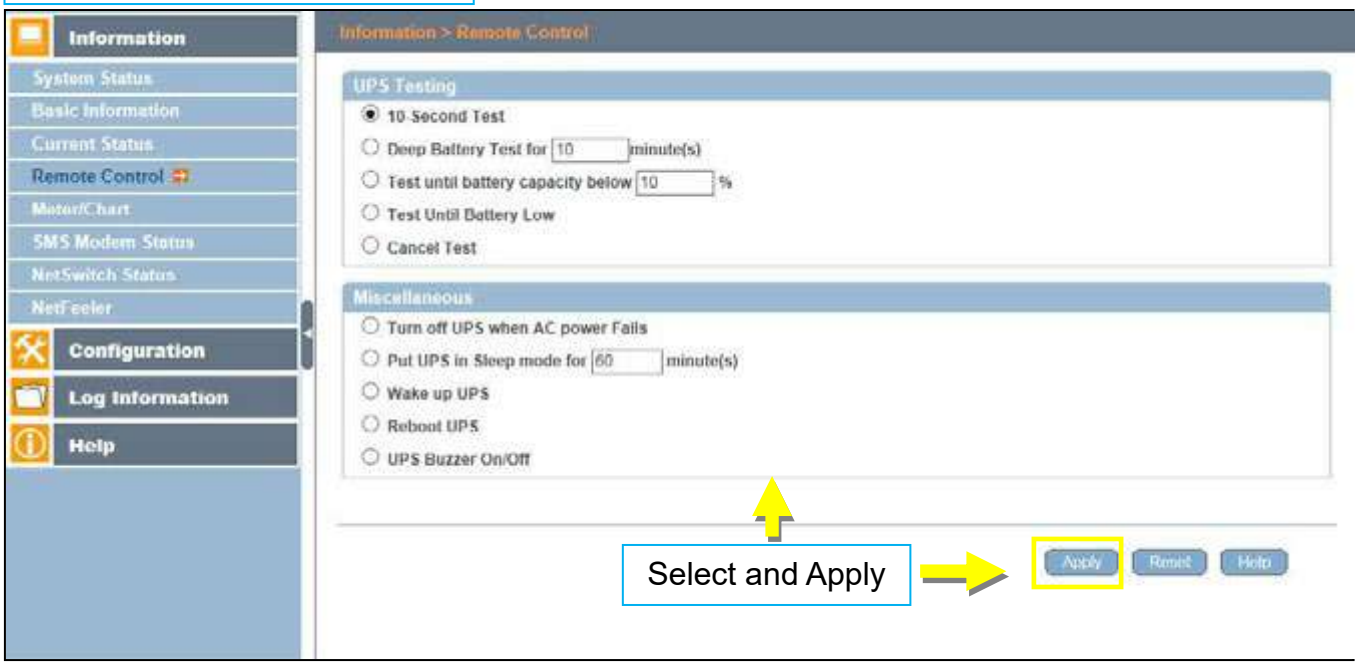
NetAgent Mini & NetAgent II



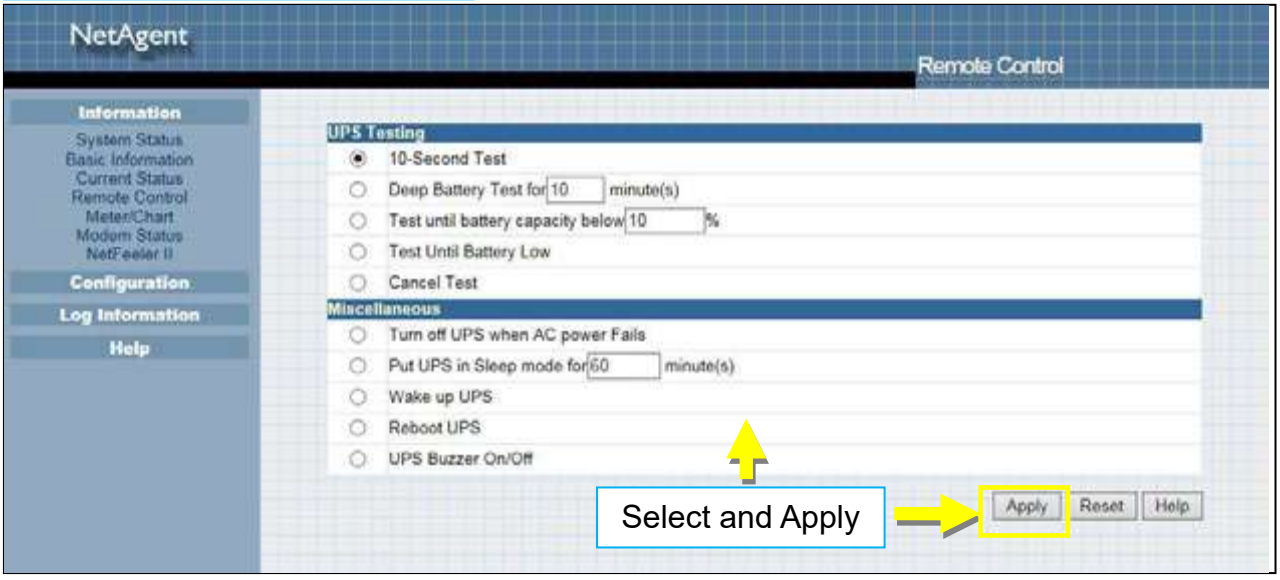
■ **Information > Remote Control**

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



NetAgent Mini & NetAgent II

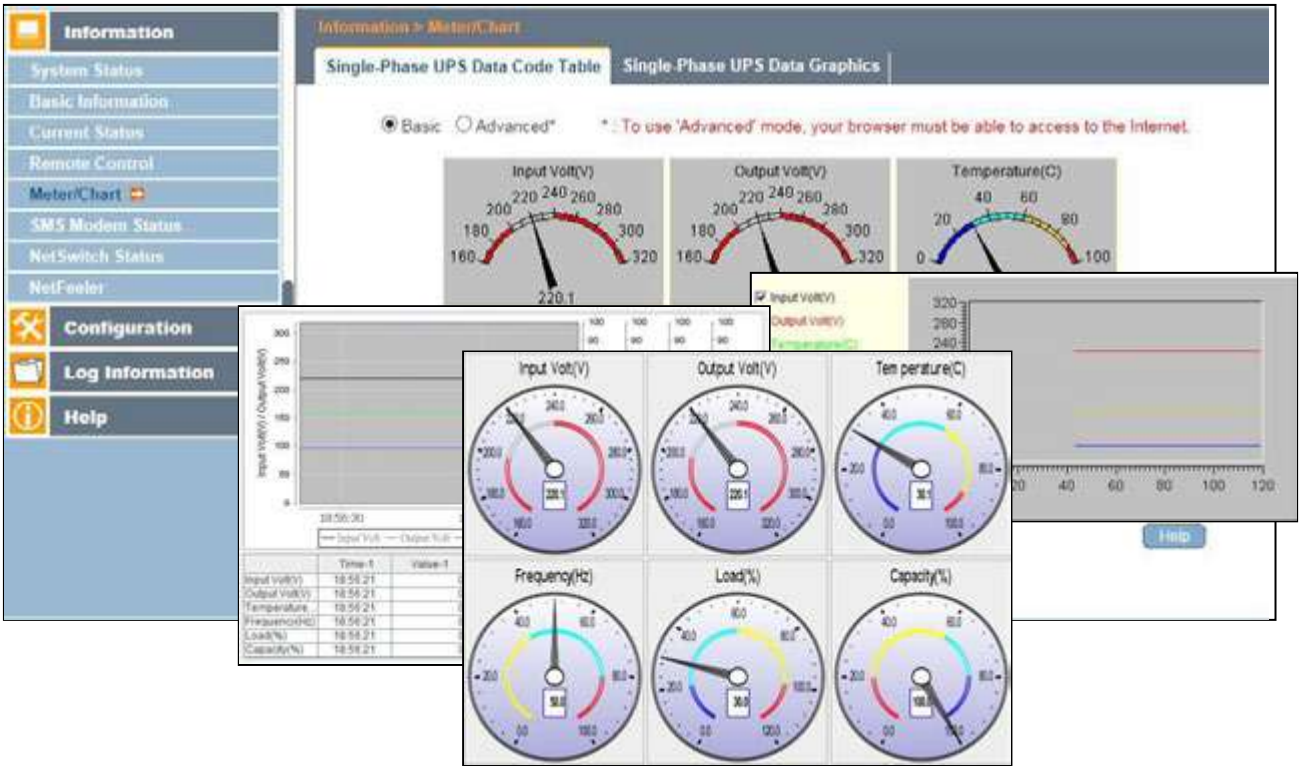


■ Information > Meter/Chart

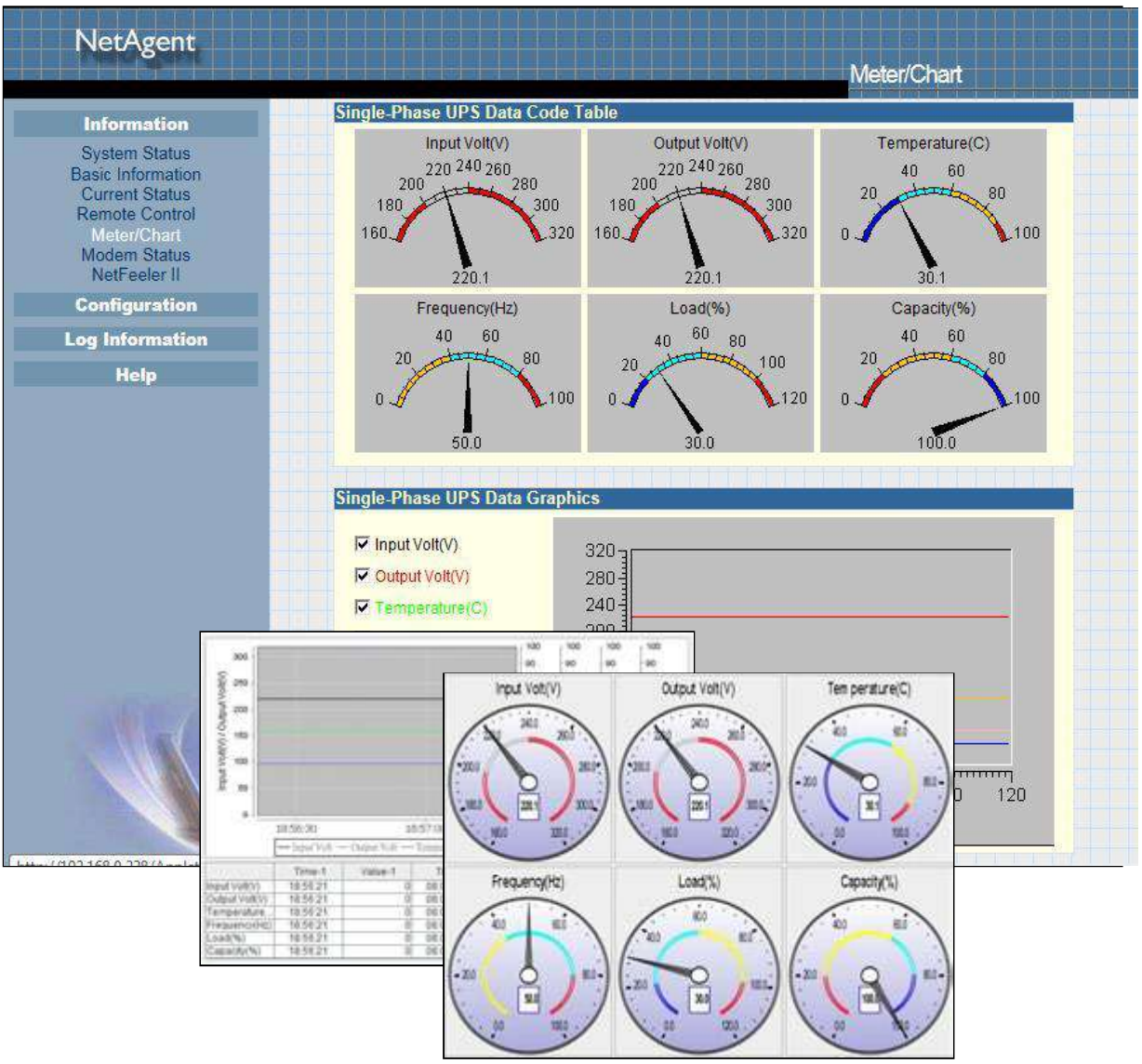
This is to show UPS Input, Output, Temperature,Frequency..etc in graphic or chart. Java is required.



NetAgent 9 Mini & NetAgent 9



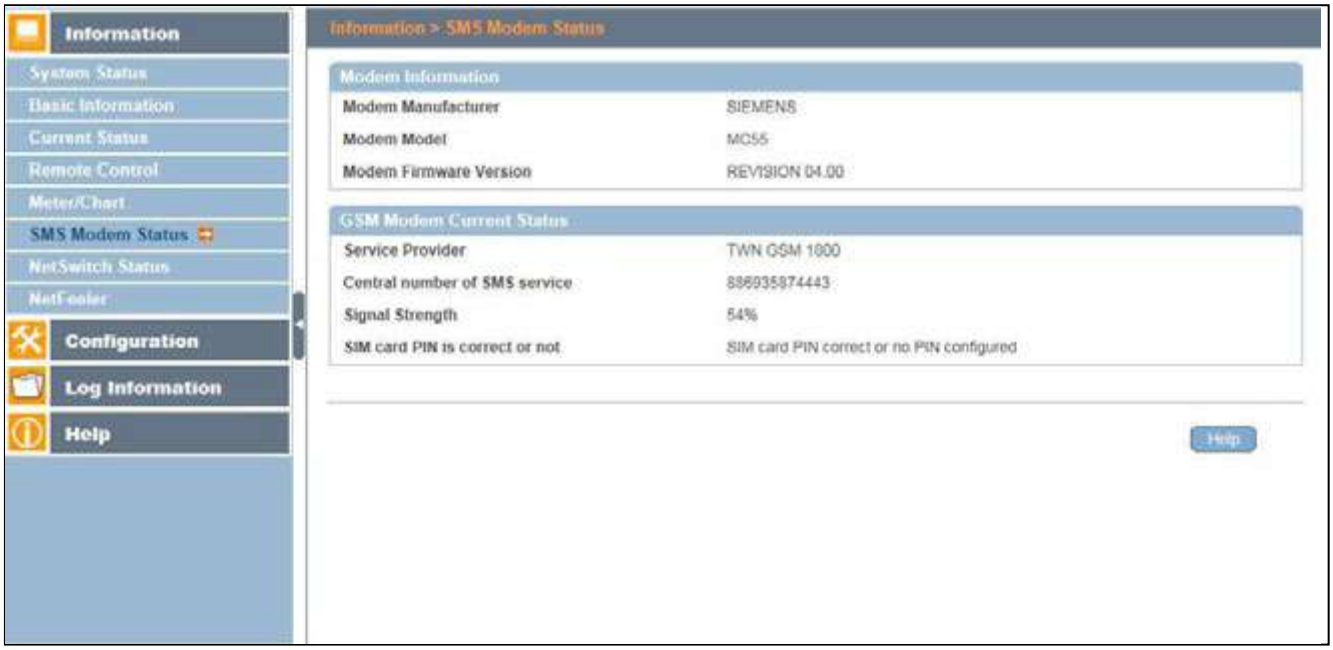
NetAgent Mini & NetAgent II



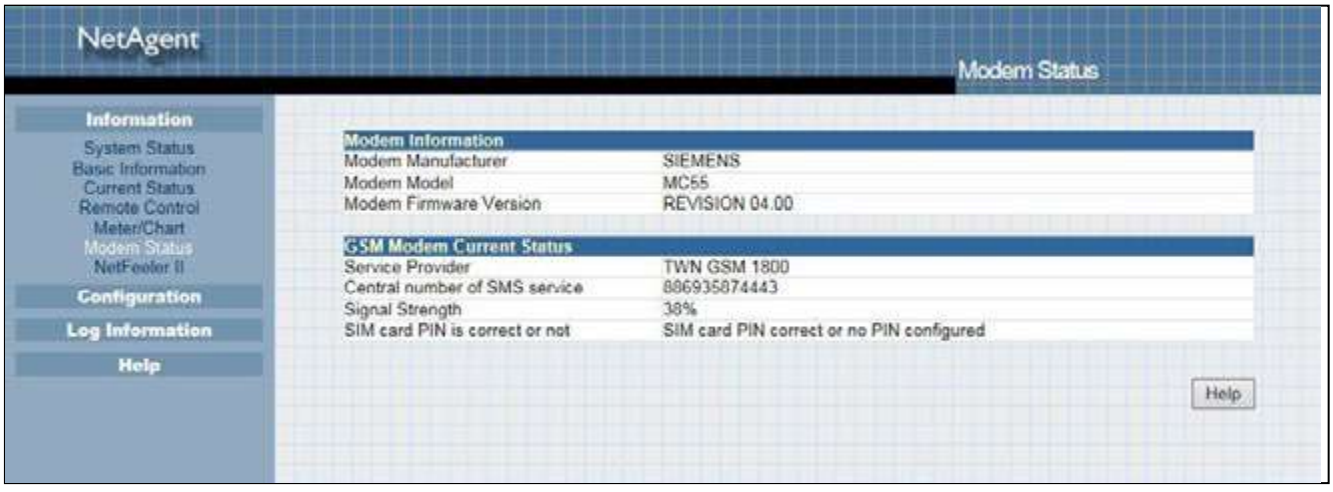
■ Information > SMS Modem Status

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

NetAgent 9



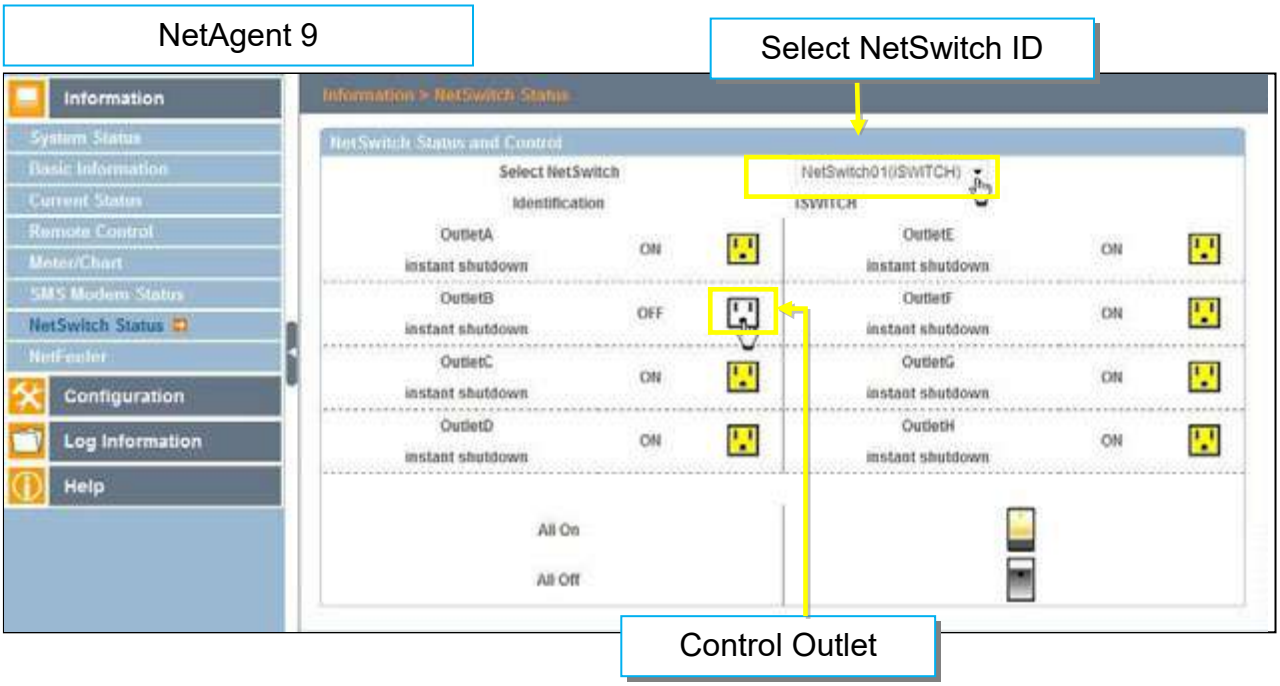
NetAgent II 3 Ports



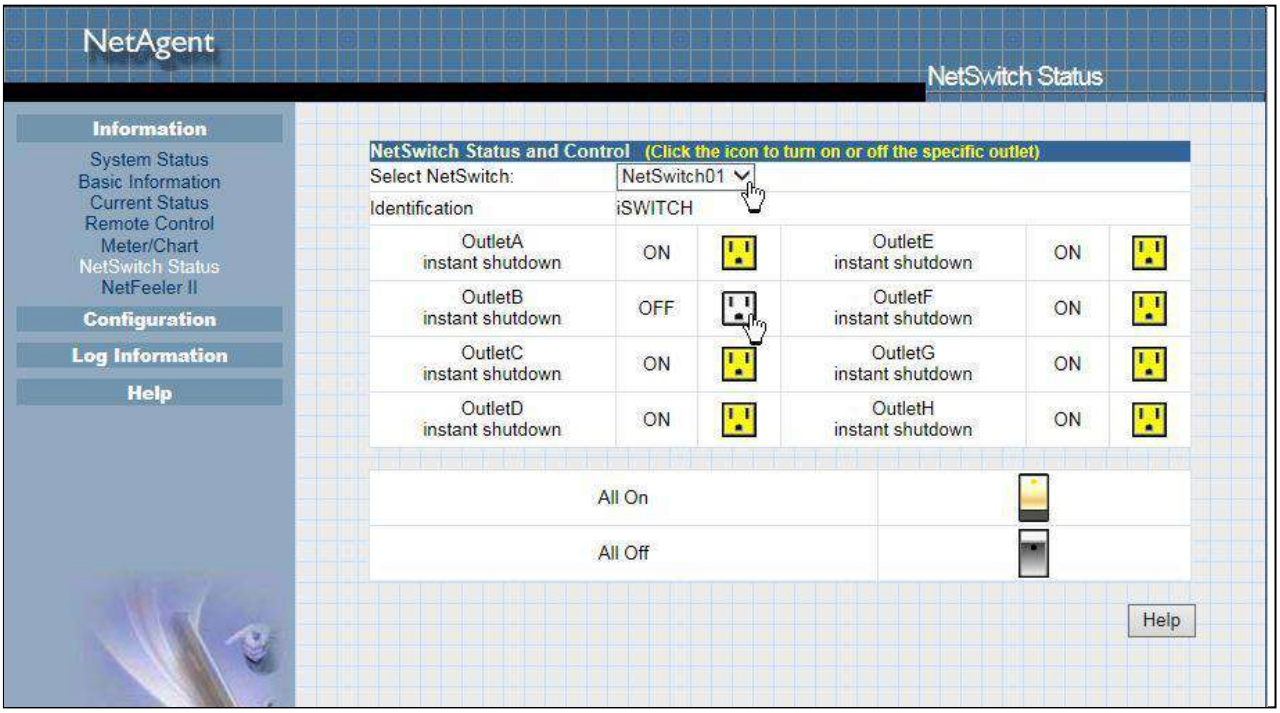
■ Information > NetSwitch Status

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

NetAgent 9



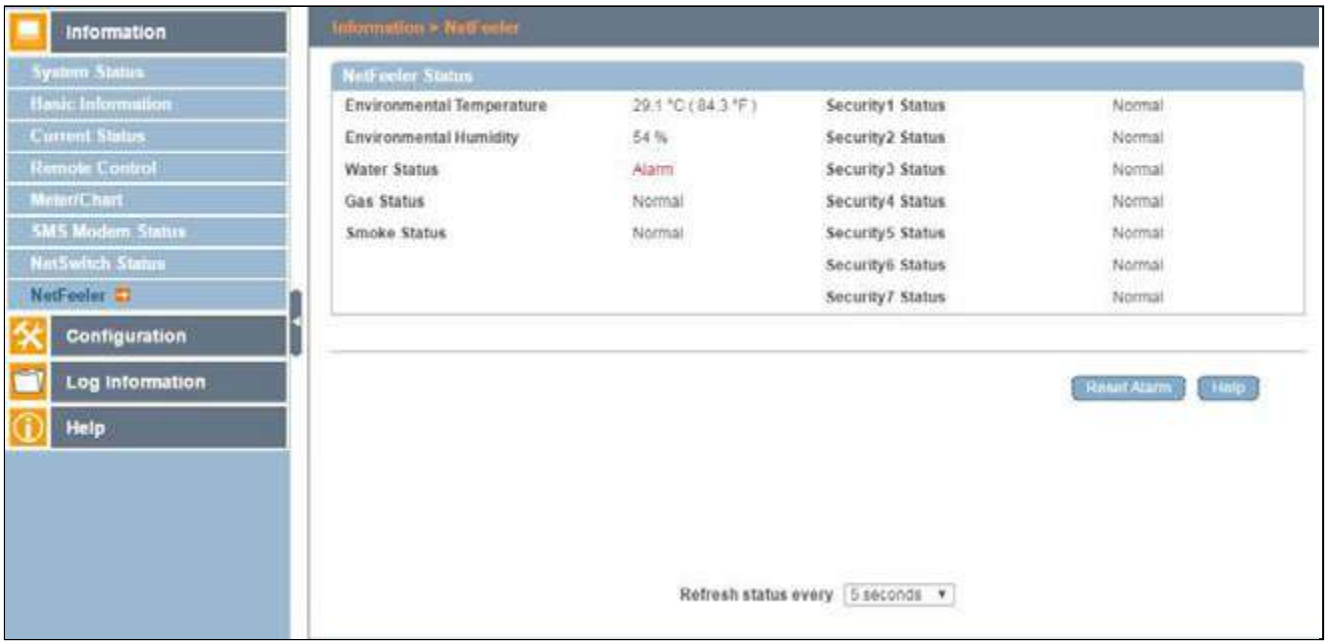
NetAgent II 3 Ports



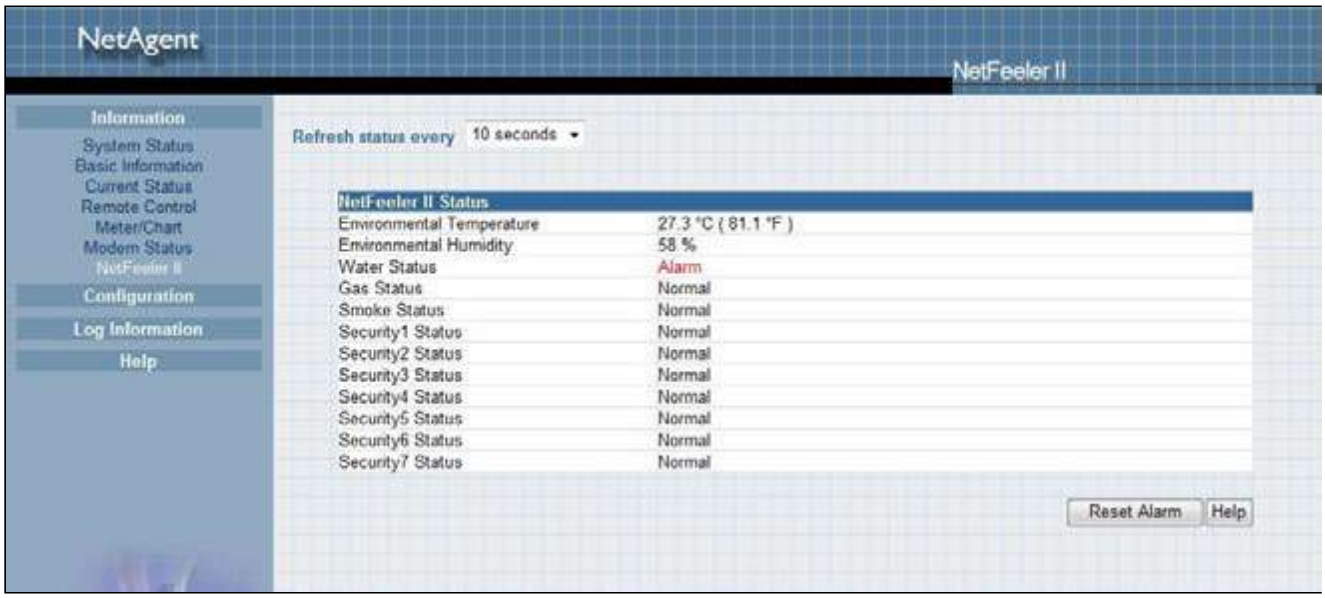
■ Information > NetFeeler (NetFeeler II)

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

NetAgent 9 3PORTS



NetAgent II 3 Ports



■ **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)

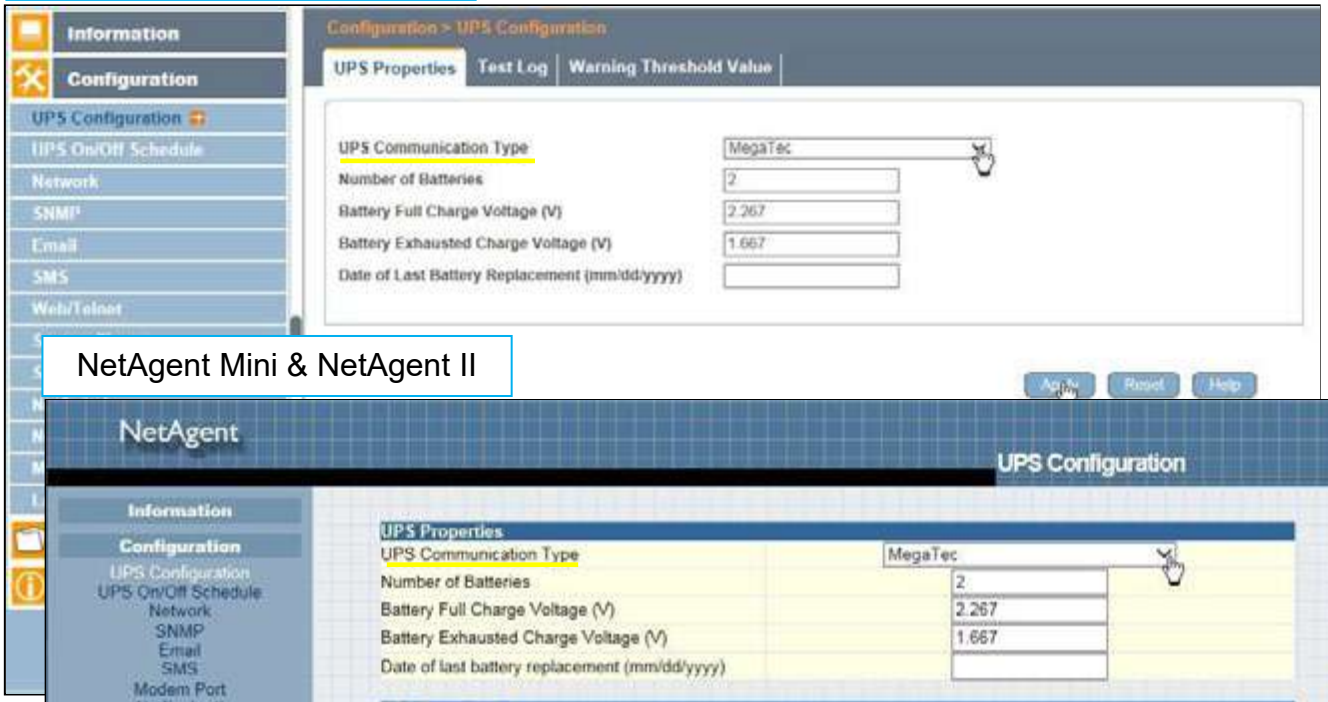
Battery Exhausted Charge Voltage(V) :

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

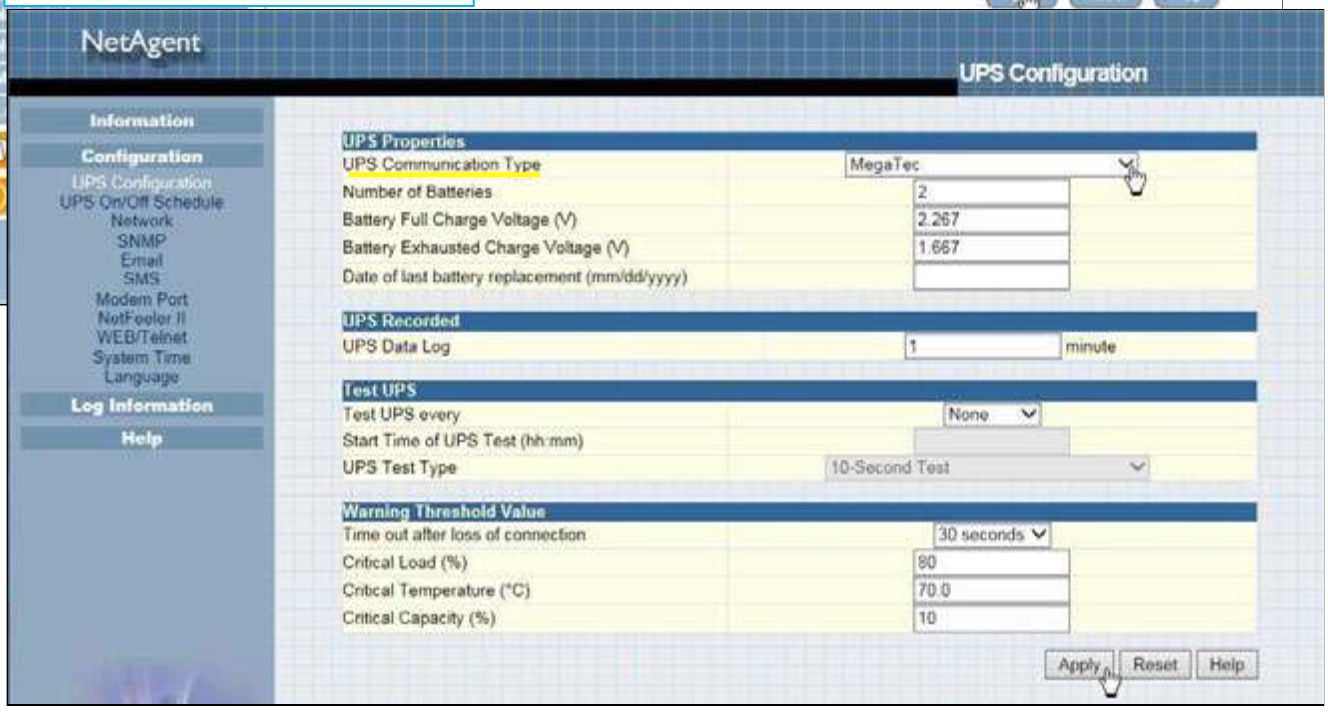
Date of Last Battery replacement(mm/dd/yyyy) :

Enter the date of last battery replacement for record

NetAgent 9 Mini & NetAgent 9



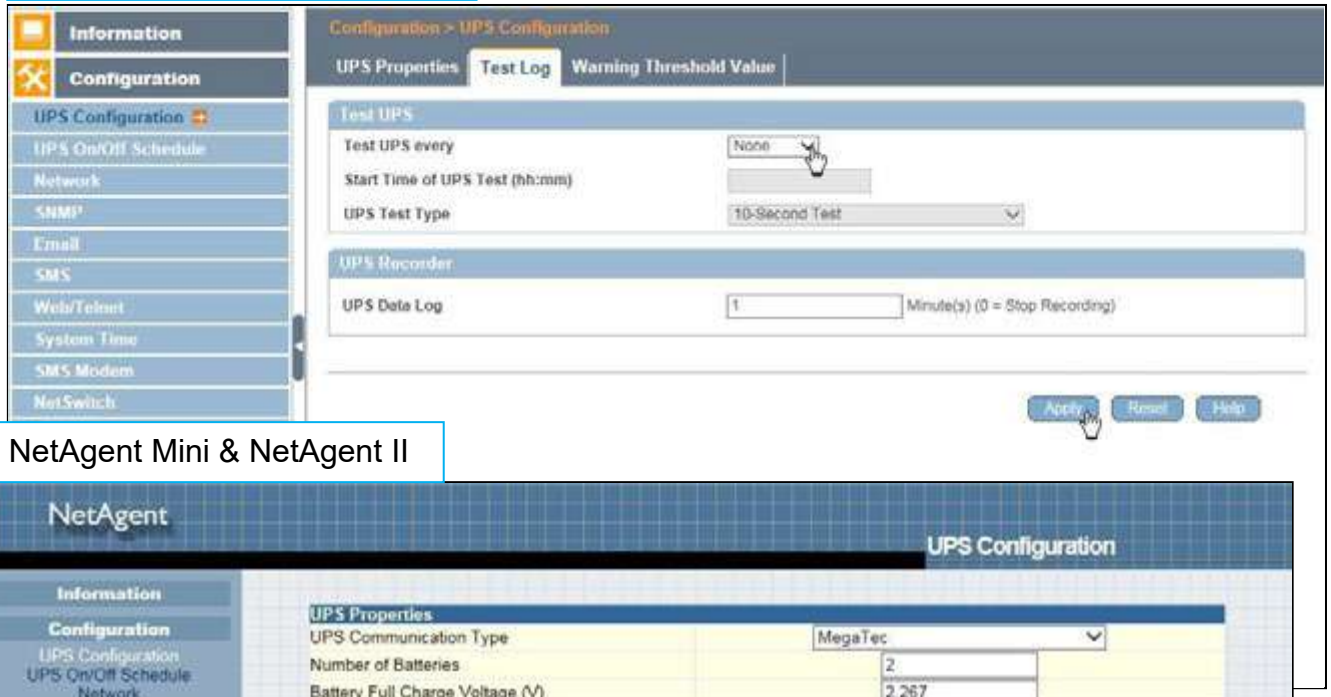
NetAgent Mini & NetAgent II



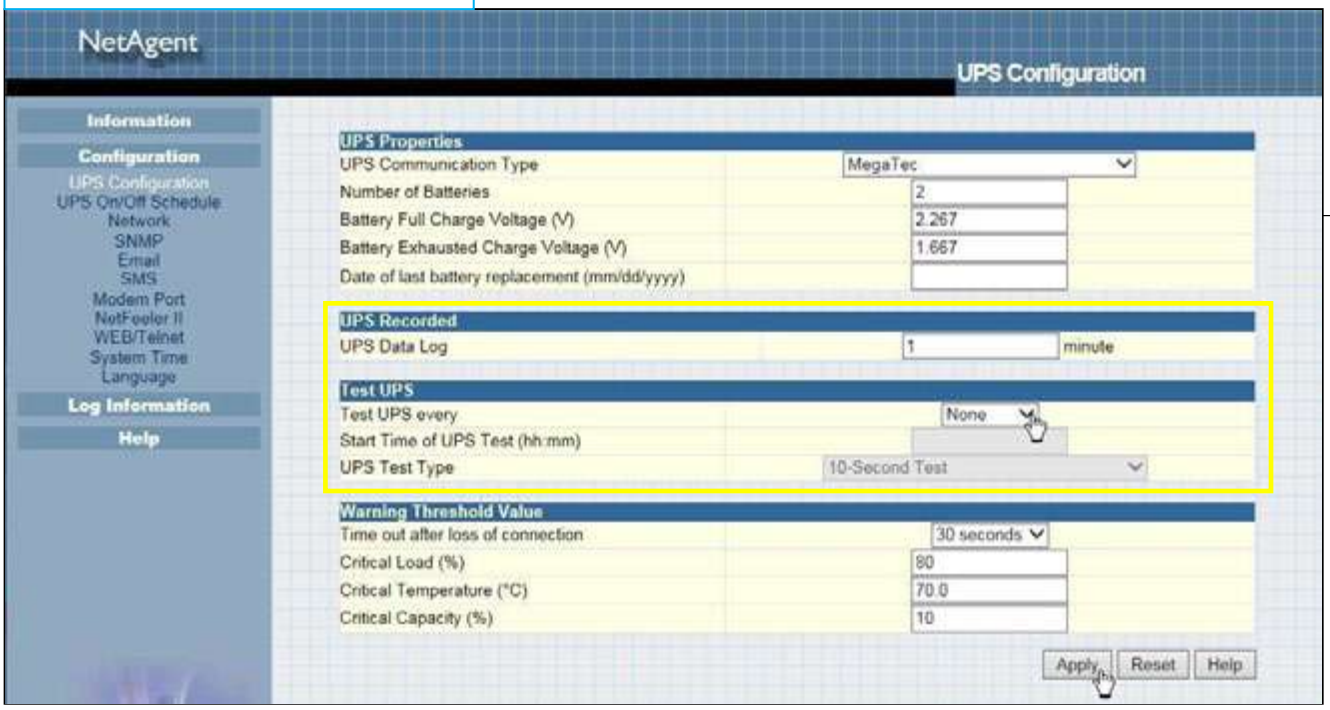
- Test Log

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



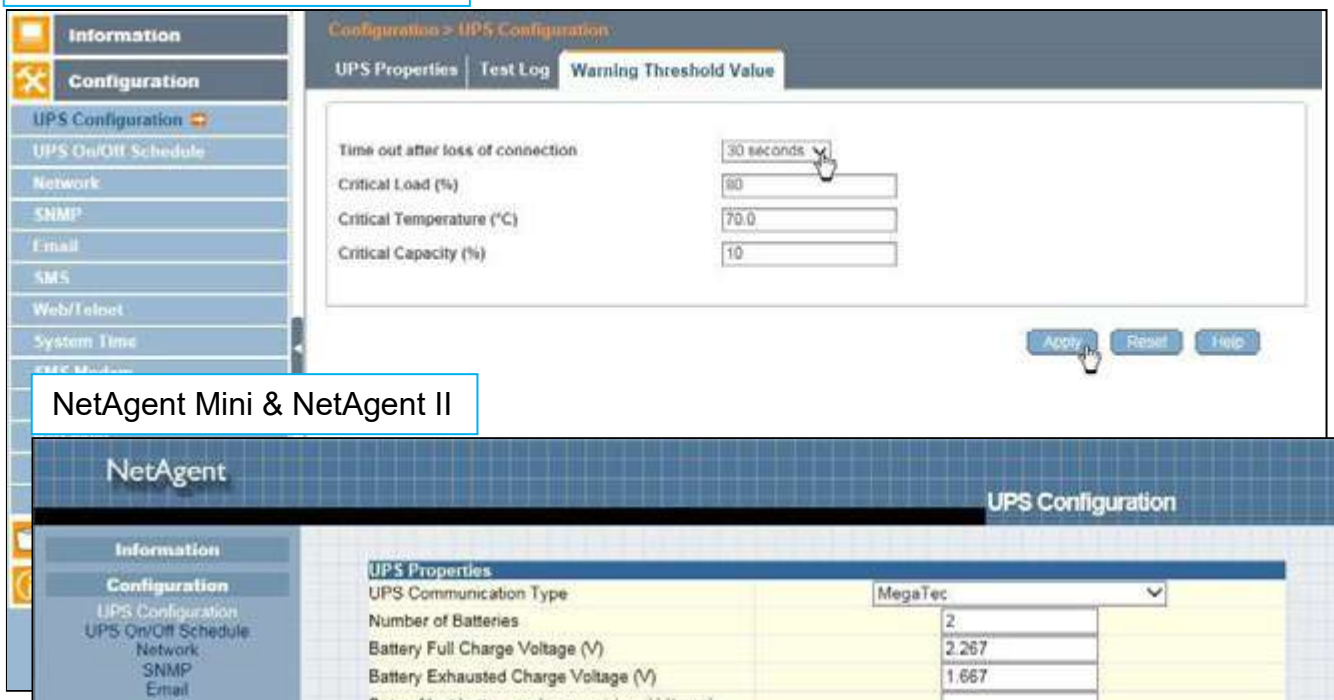
- Warning Threshold Values

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

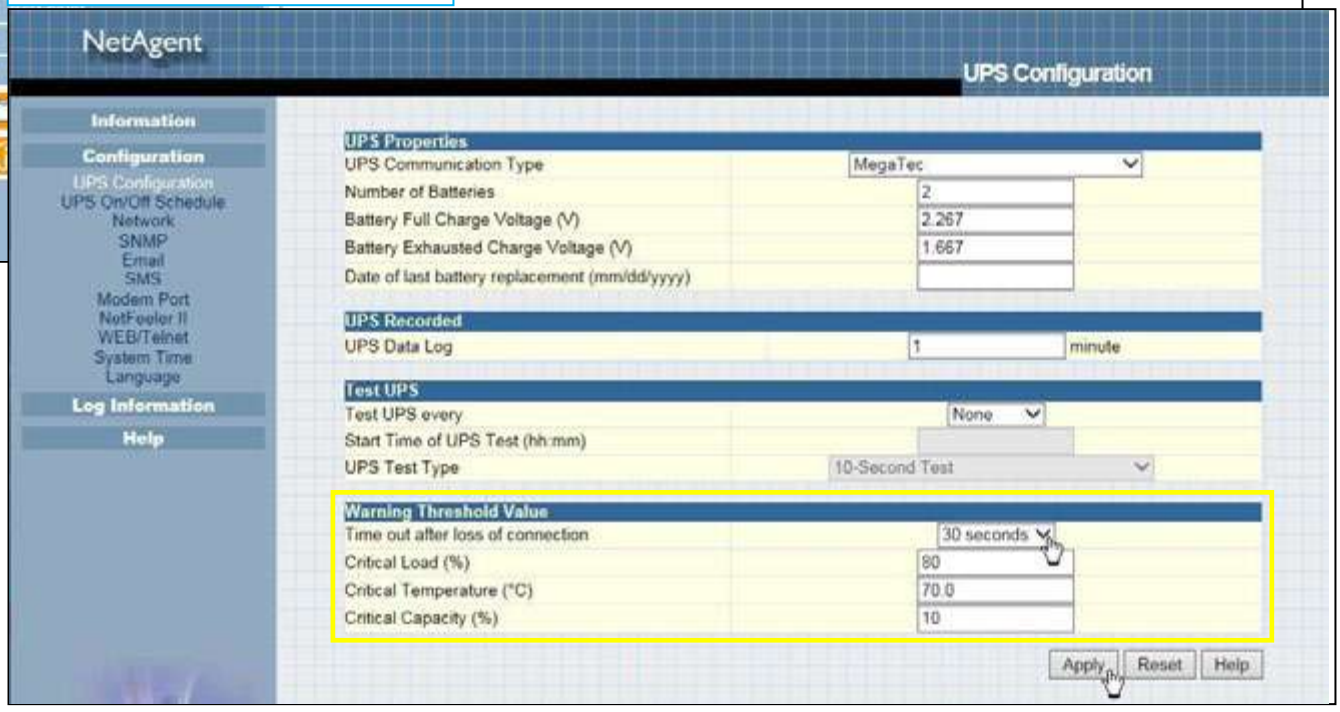
UPS Temperature (℃)：
When UPS temperature reaches at this degree configured, NetAgent will send warning alarm

Critical Capacity (%)：
When UPS battery capacity reaches at this % configured, NetAgent will send warning alarm

NetAgent 9 Mini & NetAgent 9



NetAgent Mini & NetAgent II

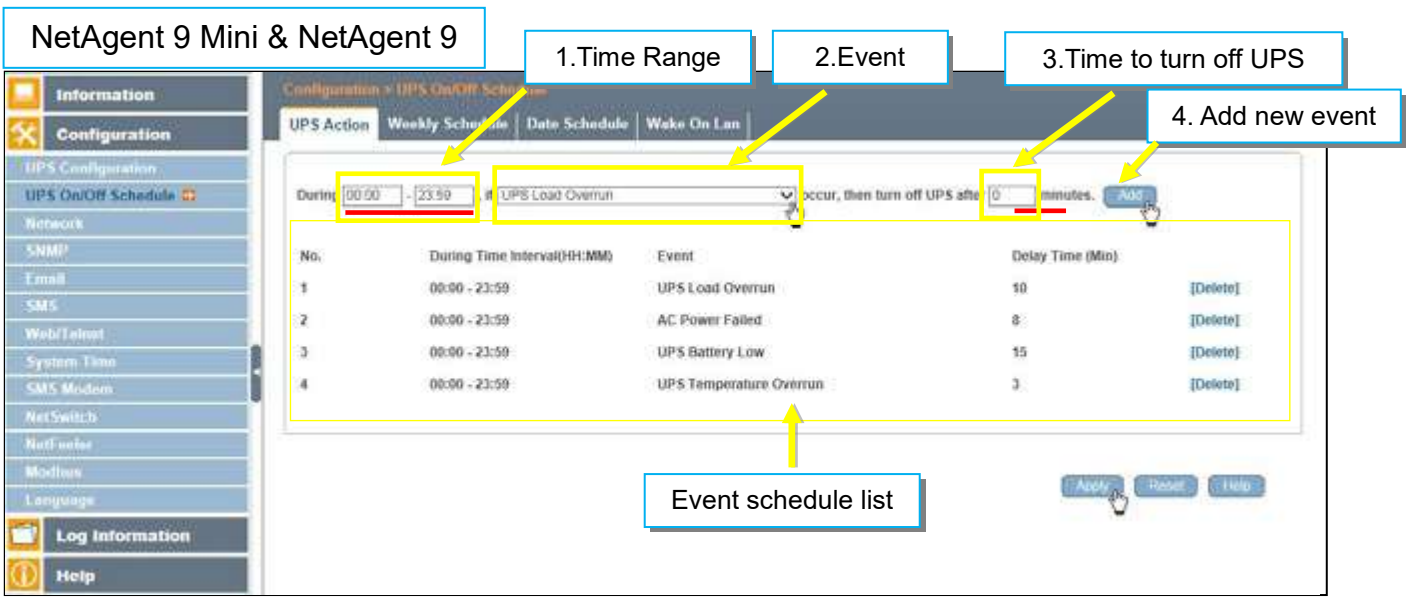


■ **Configuration > UPS On/Off Schedule**

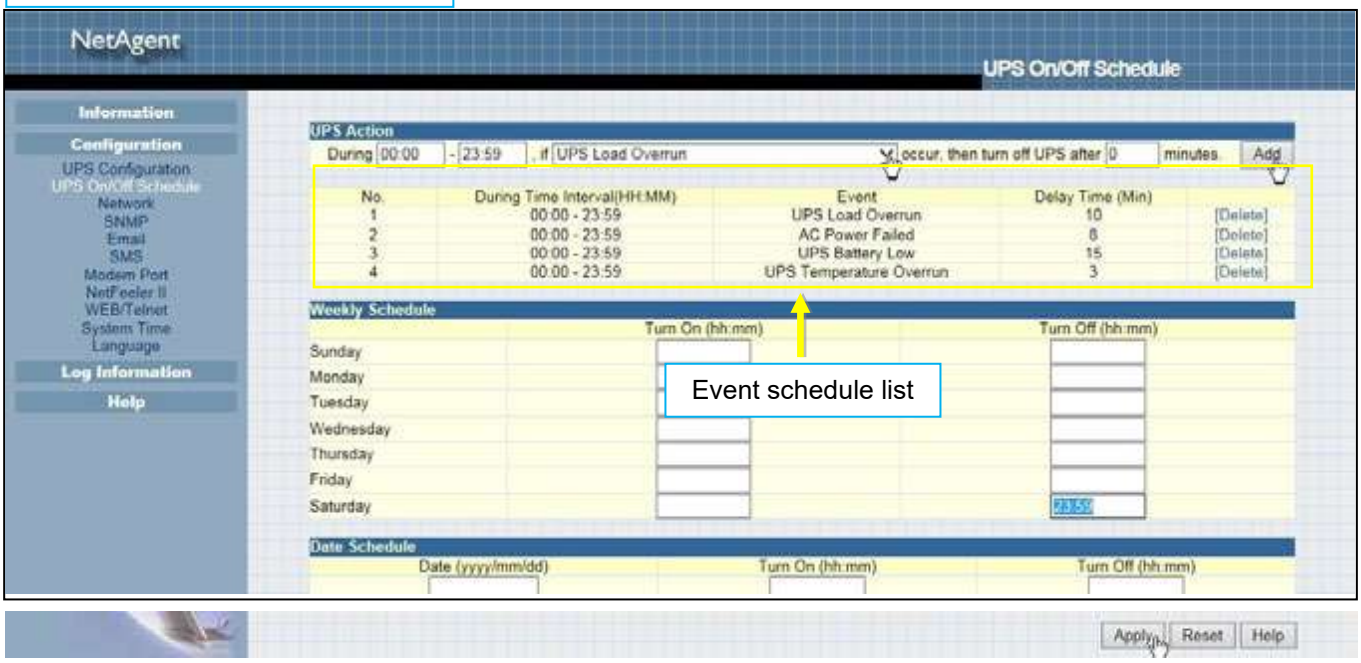
● UPS Action

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

NetAgent 9 Mini & NetAgent 9



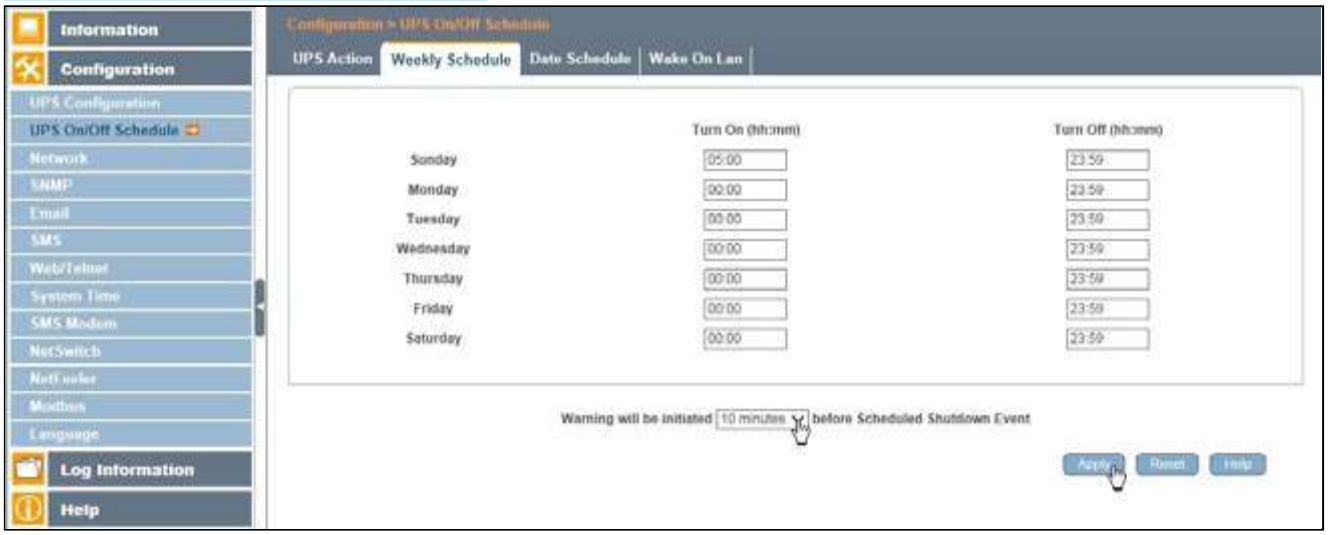
NetAgent Mini & NetAgent II



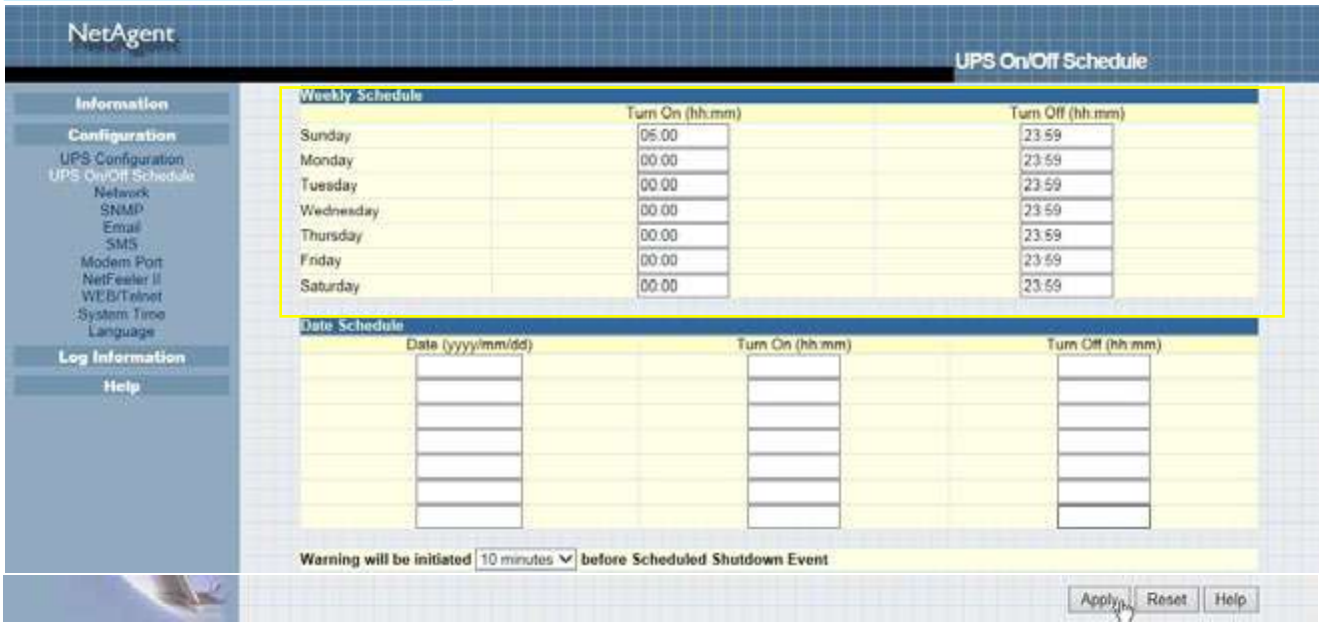
- Weekly Schedule

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

NetAgent 9 Mini & NetAgent 9



NetAgent Mini & NetAgent II



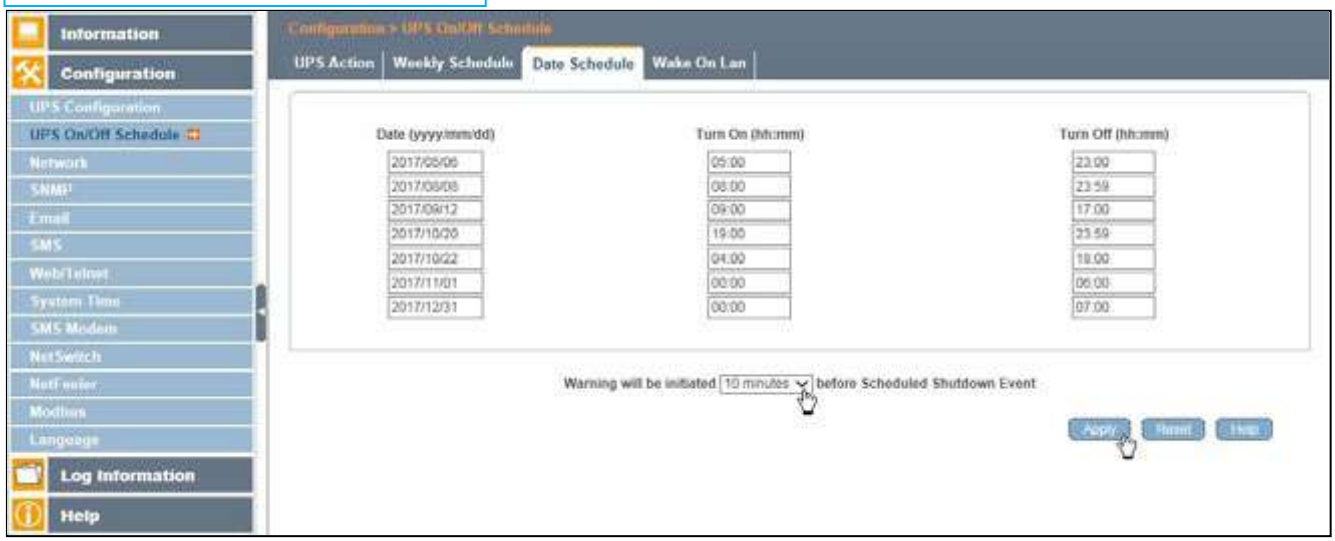
- Date Schedule

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**.

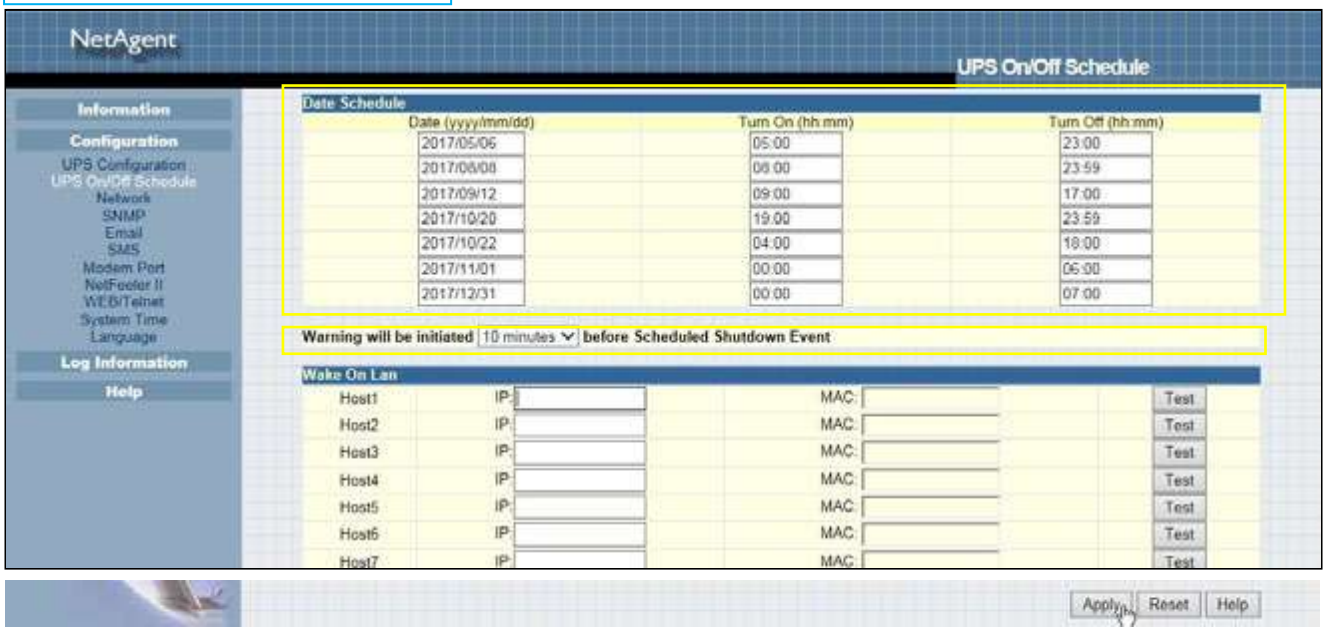
Warning will be initiated _ before Schedule shutdown event

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



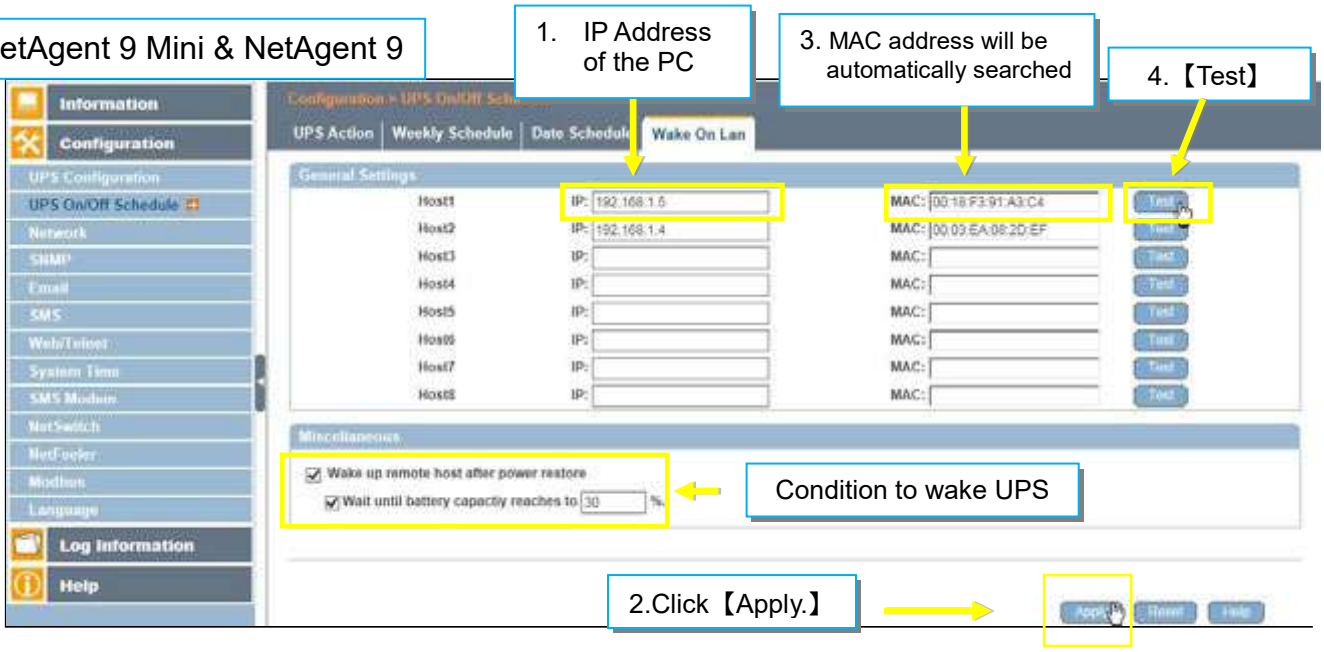
NetAgent Mini & NetAgent II



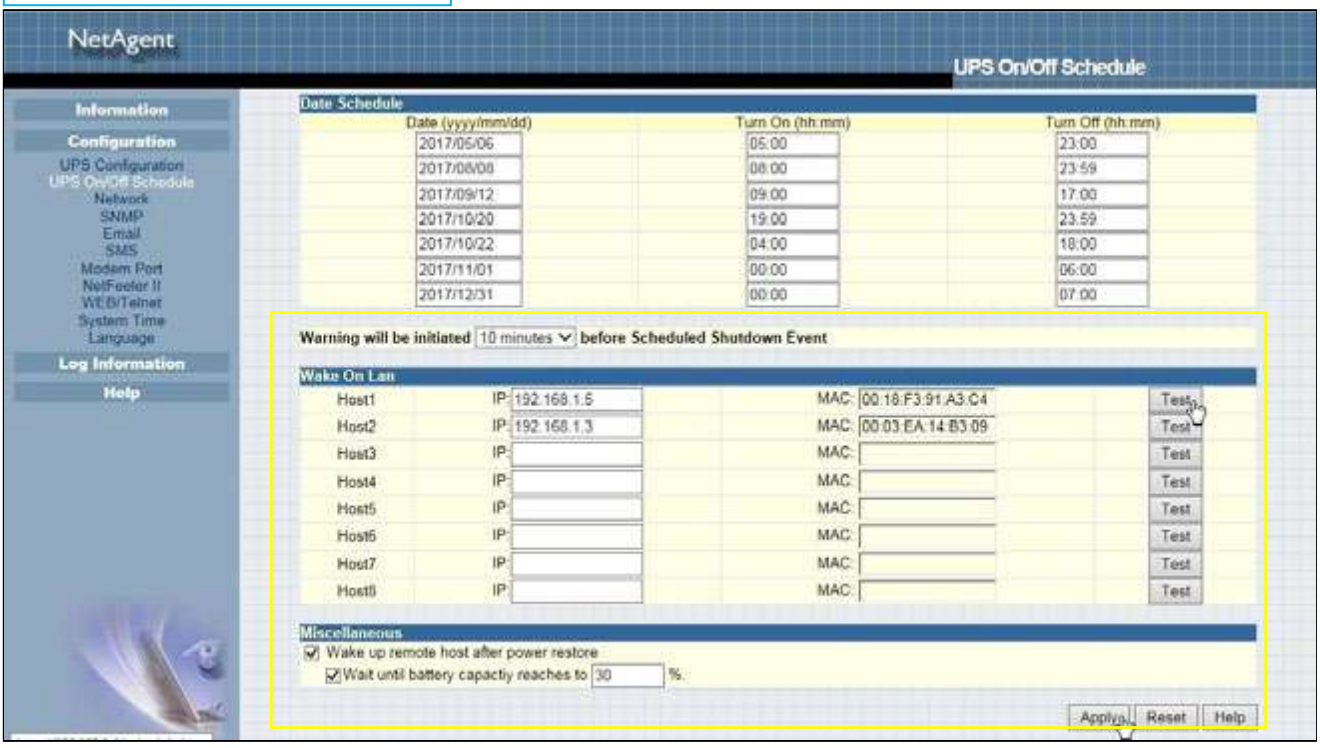
- Wake On Lan

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



NetAgent Mini & NetAgent II



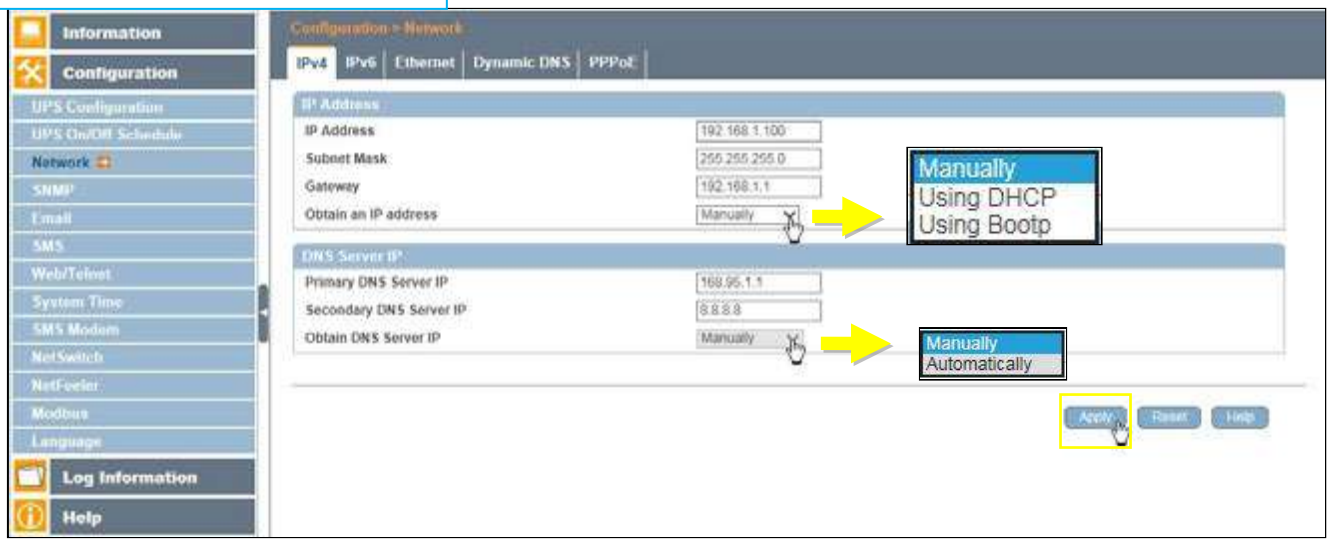
■ Configuration > Network

This page is to set NetAgent Network settings.

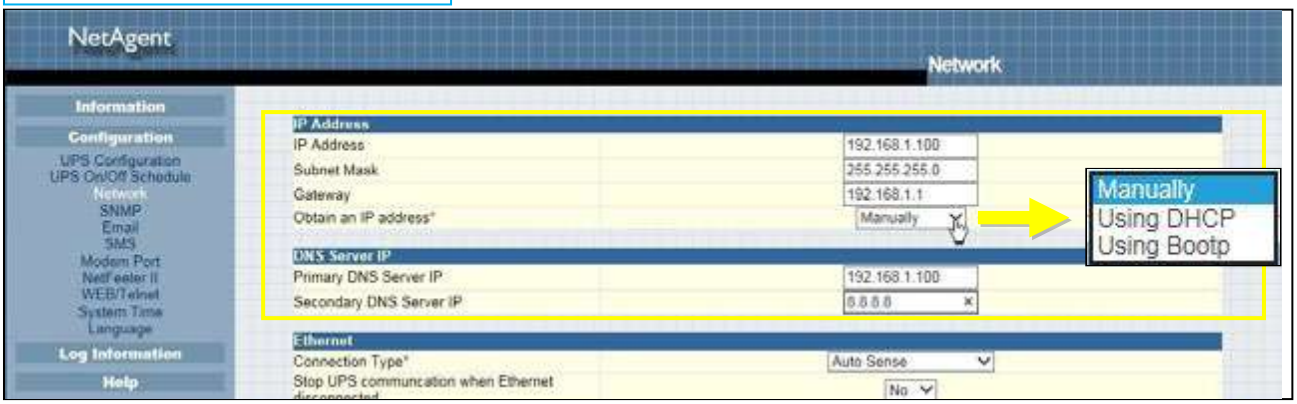
- IPv4

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

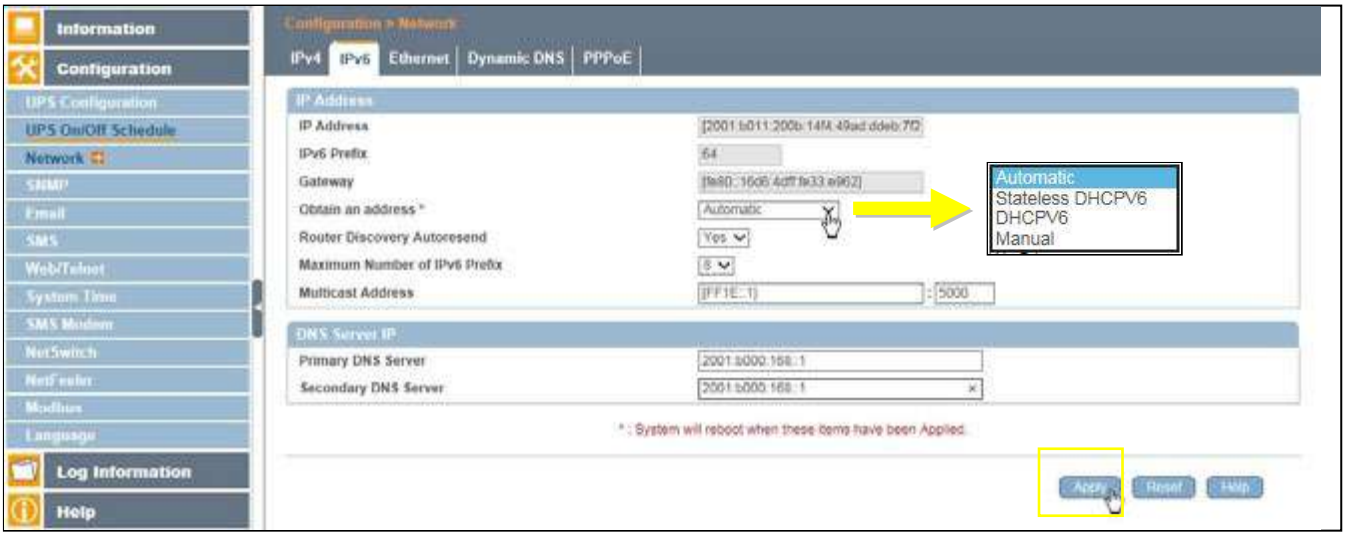


- IPv6

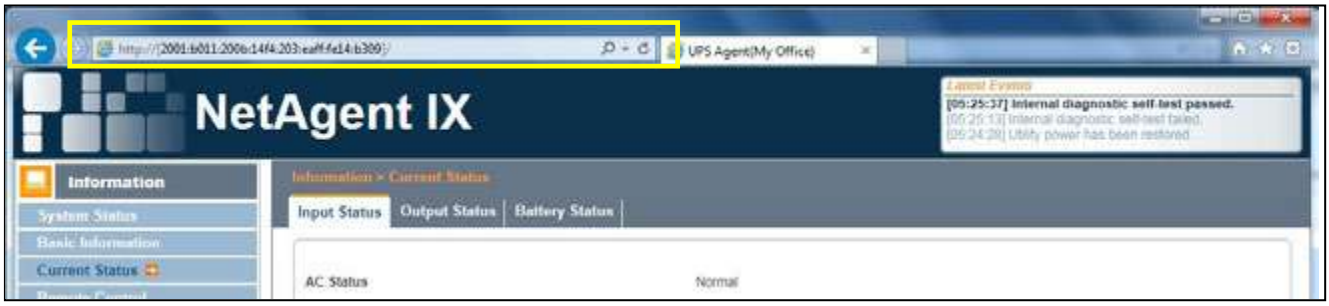
All NetAgent 9 series supports IPv6. IP address can be obtain from the drop down list with option of (Automatic／Stateless DHCPV6／DHCPV6／Manual)

✹Once click on Apply, NetAgent will reboot

NetAgent 9 Mini & NetAgent 9







- Ethernet

Connection Type

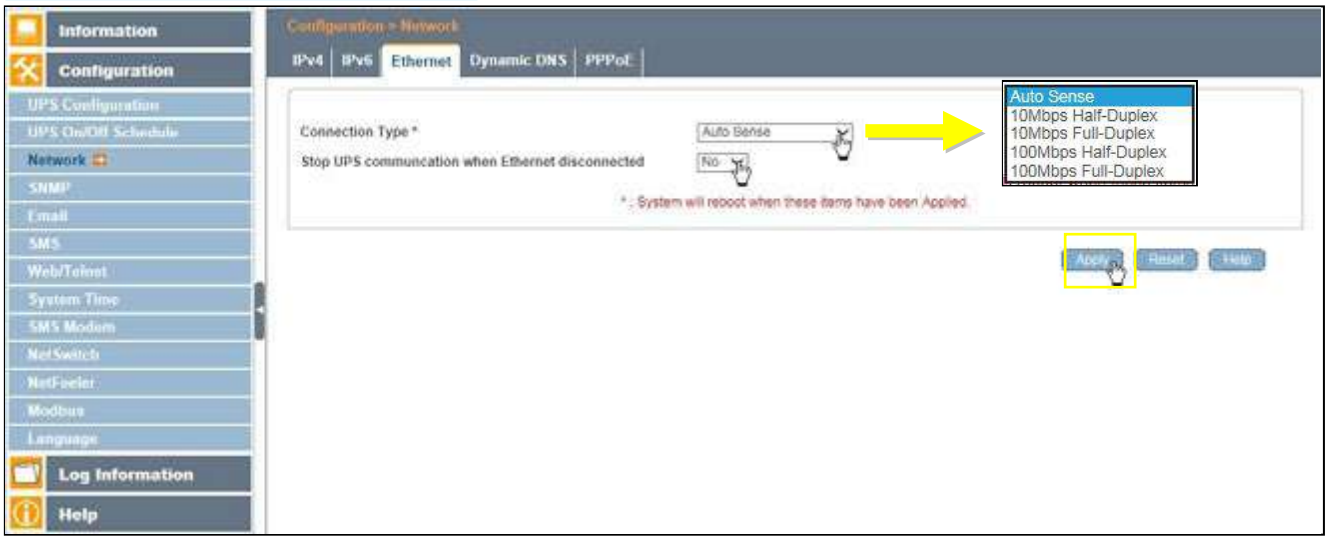
This section is to set communication speed between NetAgent and Network.

✹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

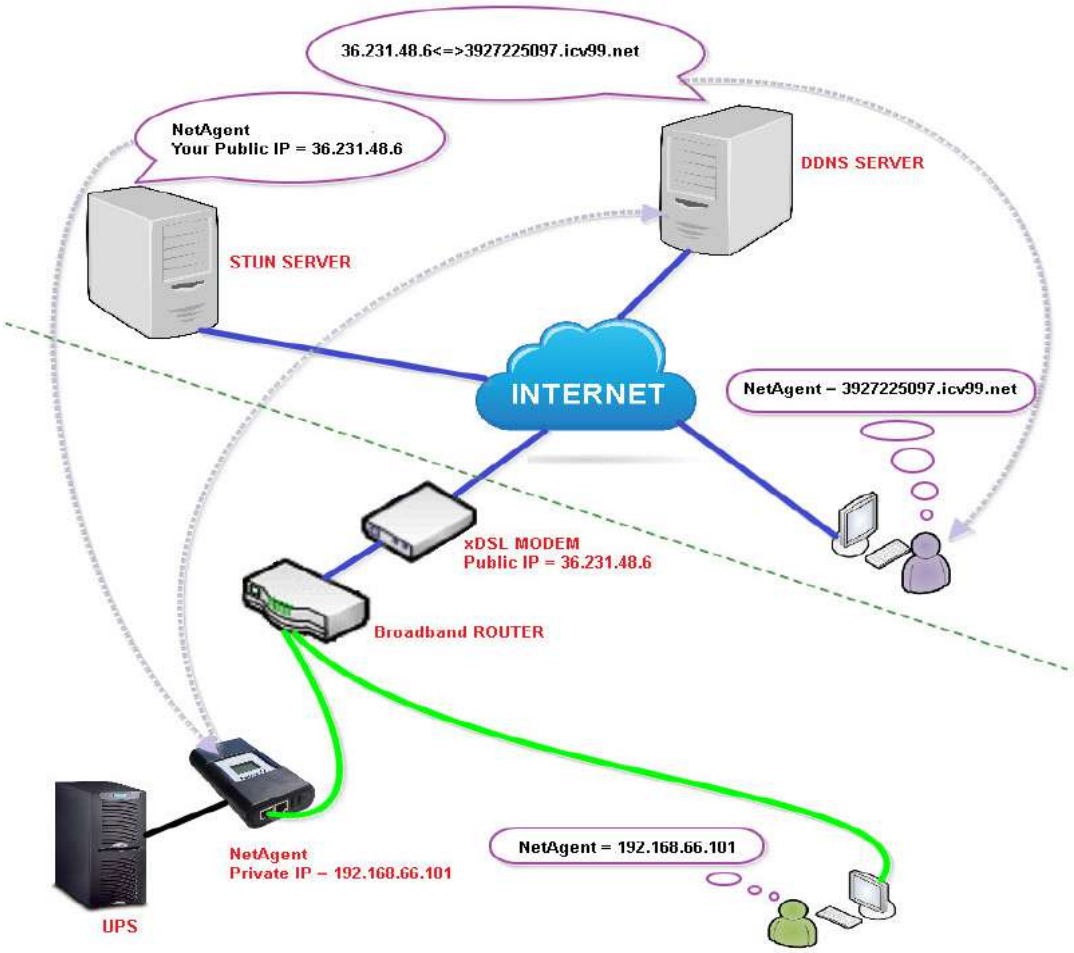
This is the Login / Account name that you have created with the selected DDNS provider.

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



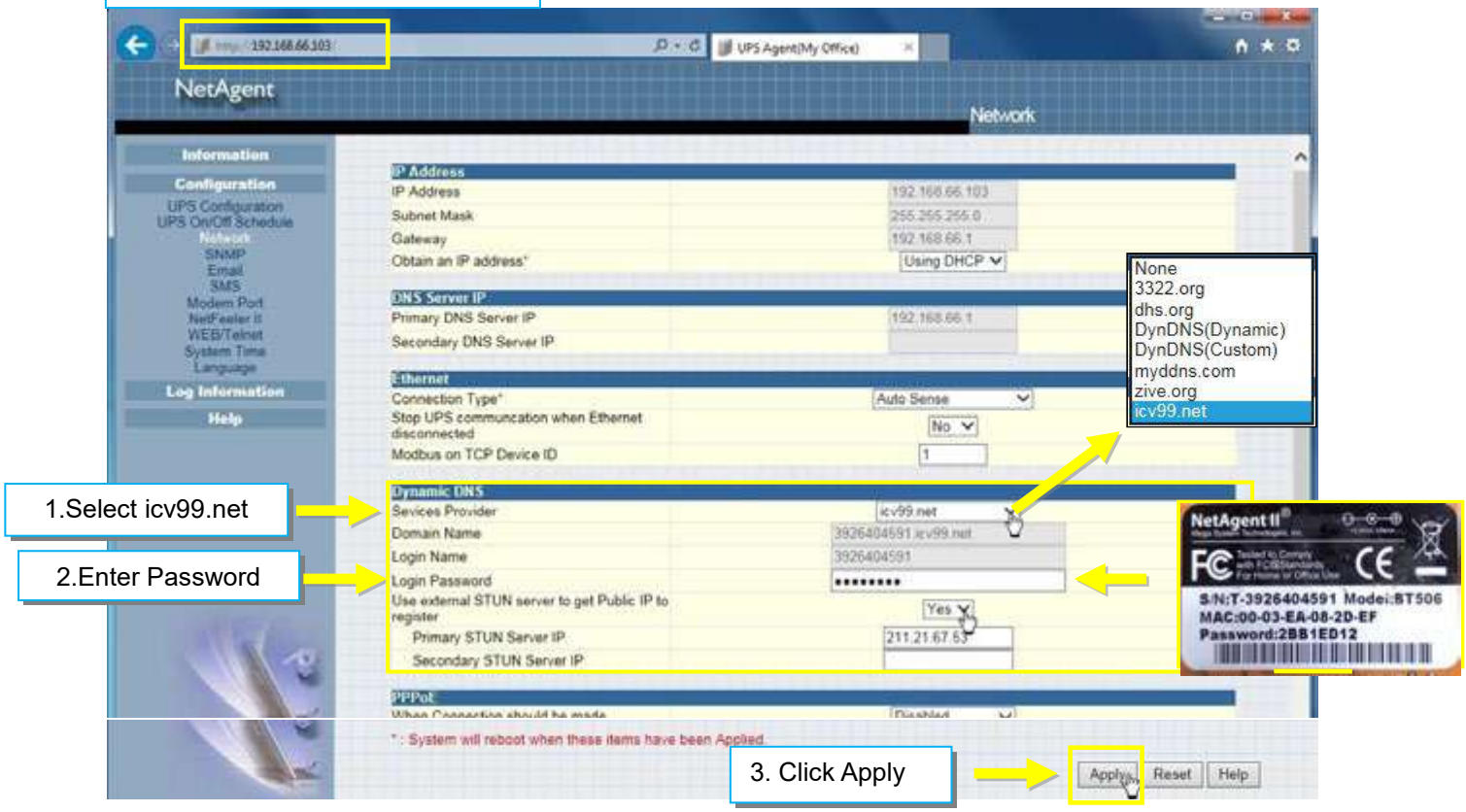
If to use iCV99.net as Service Provide which host by Megatec, instruction asb elow:

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

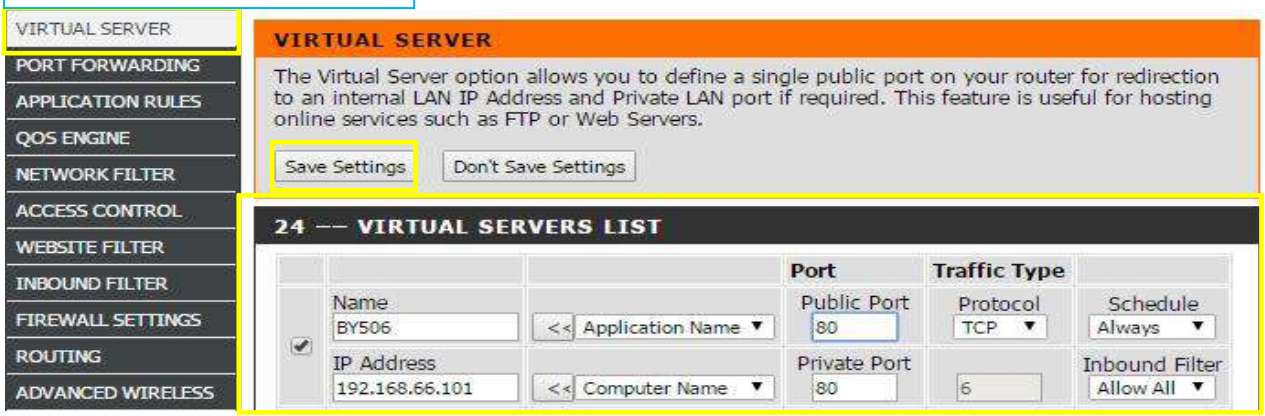


NetAgent Mini & NetAgent II



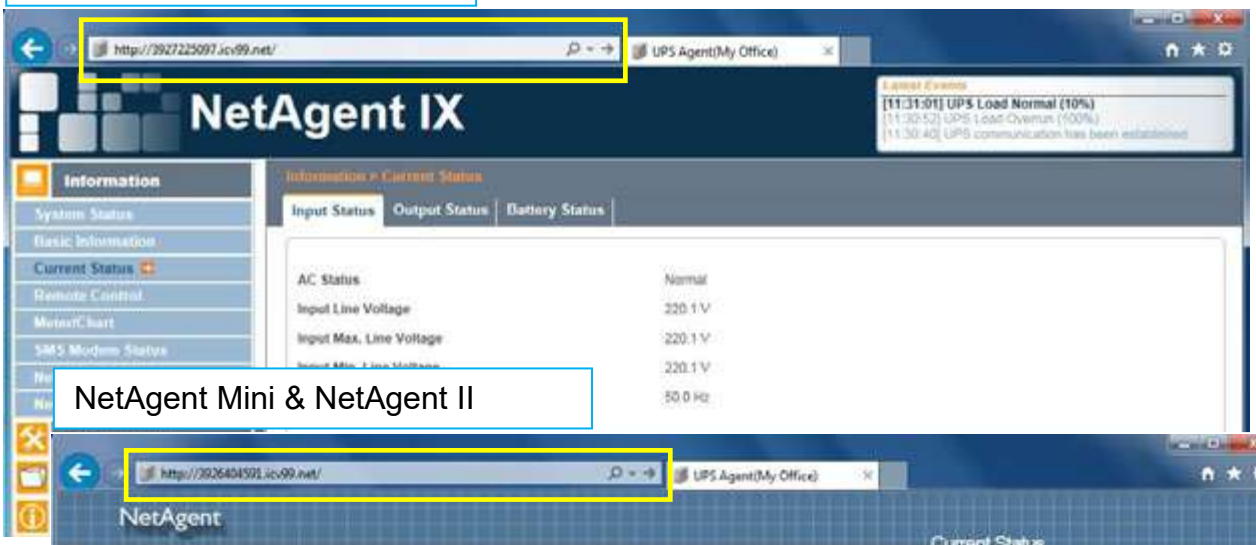
2. If using router, please login to router and direct IP and port number under virtual server for port forwarding. Kindly refer to router's manual

Router Configuration

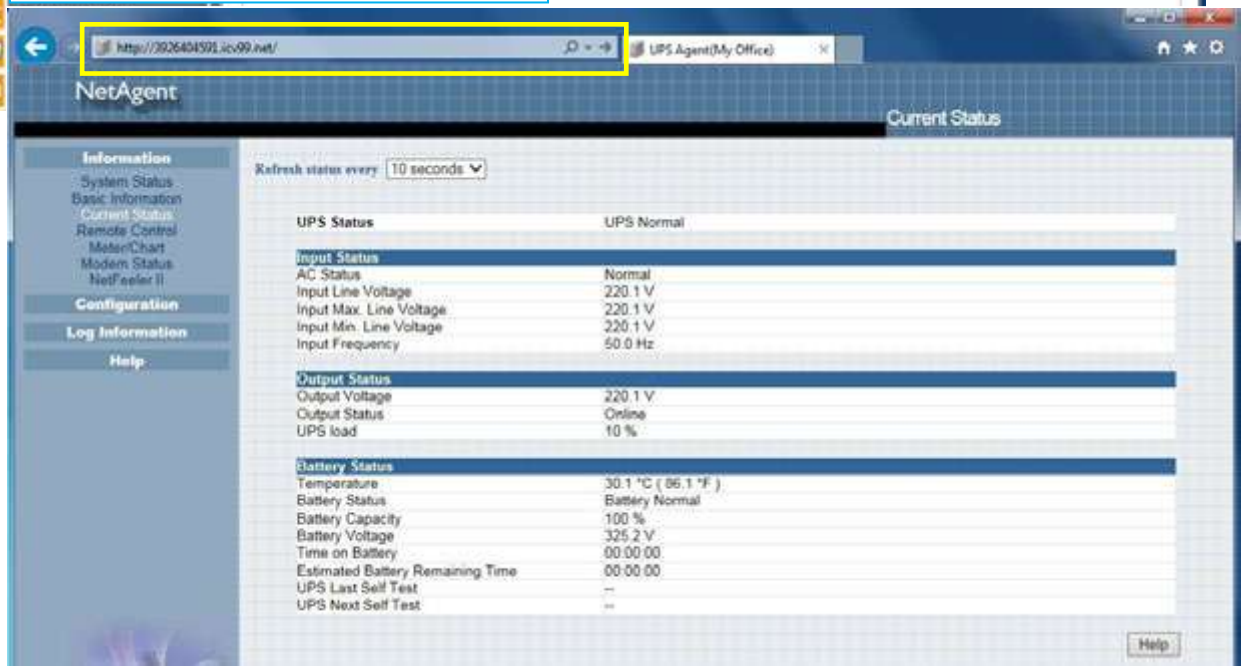


3. After 20 minutes, NetAgent should be login with its DDNS Domain name

NetAgent 9 Mini & NetAgent 9

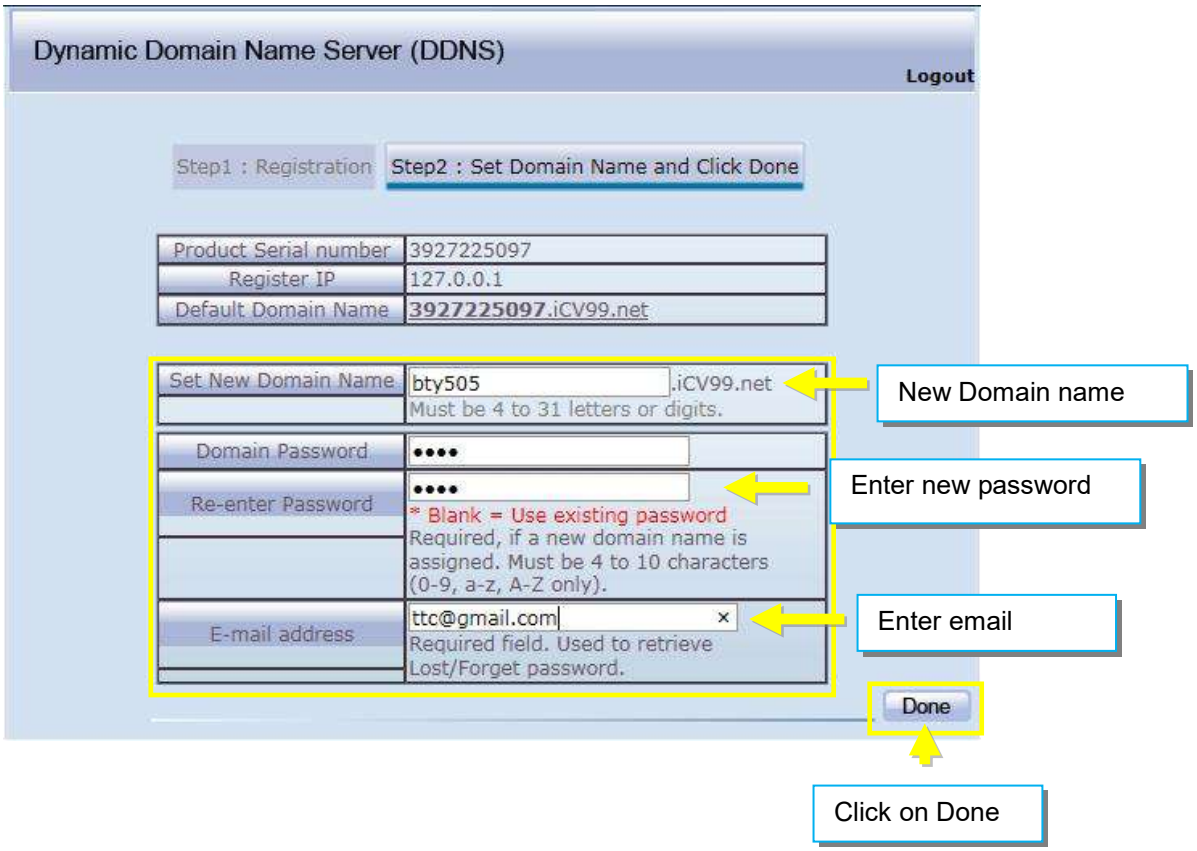


NetAgent Mini & NetAgent II



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



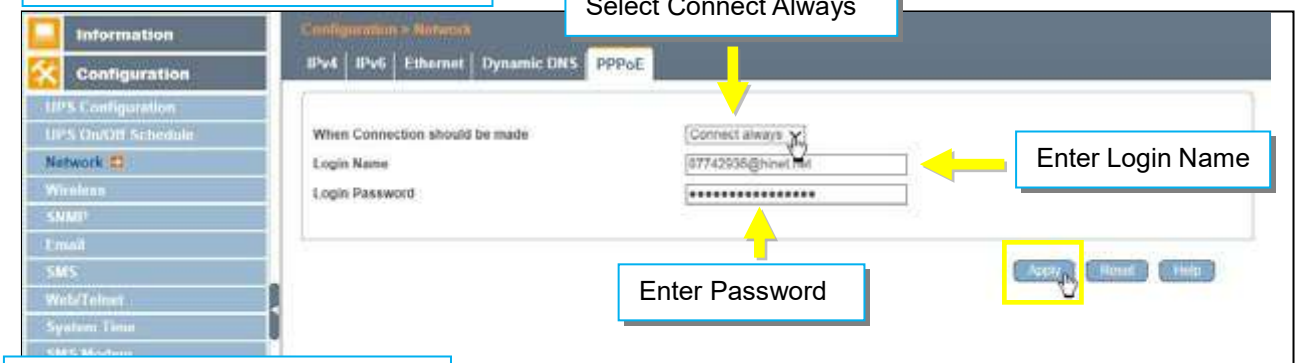


- PPPoE

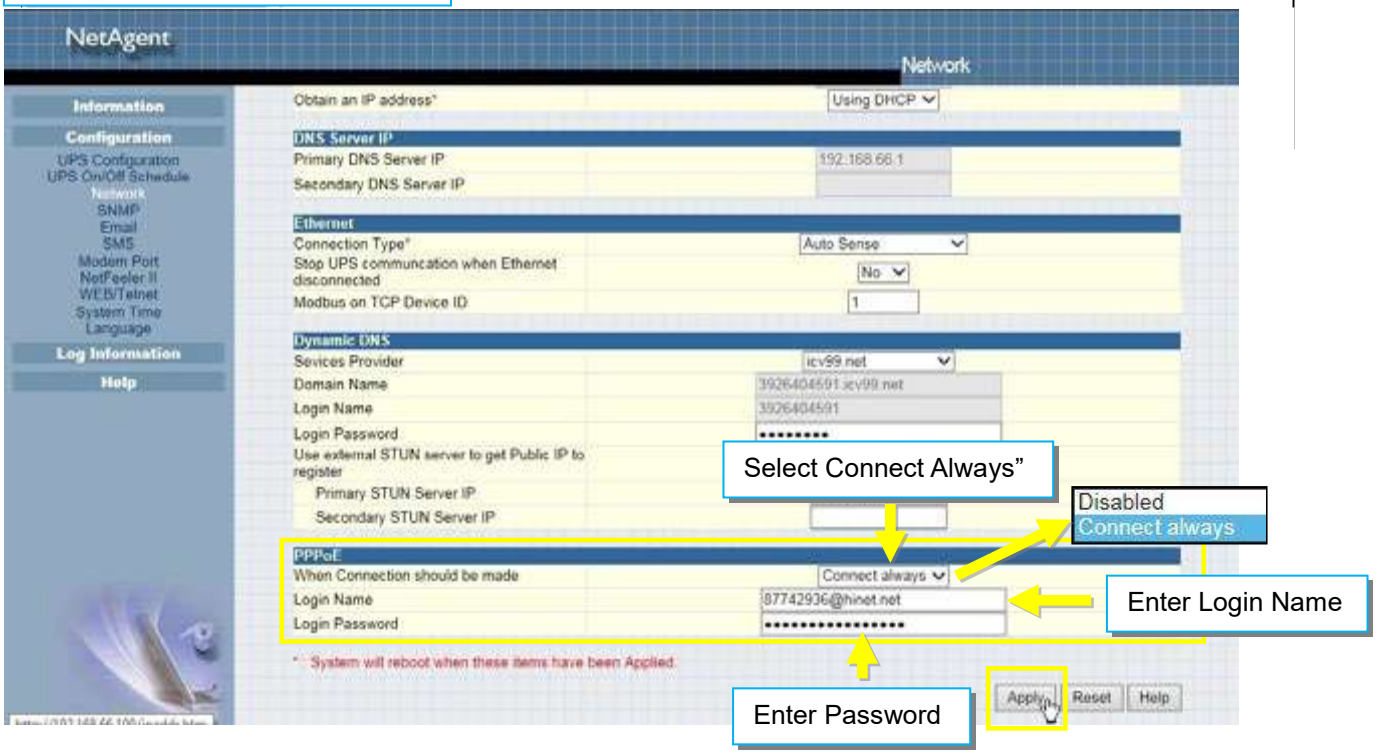
Use this option to allow NetAgent to connect to the Internet directly using your xDSL modem by PPPoE. Enter the Login name and password to enable the connection. Once set-up, NetAgent will connect directly to the Internet , any abnormal connection failure would also cause to re-dial



NetAgent 9 Mini & NetAgent 9



NetAgent Mini & NetAgent II



■ Configuration > Wireless

This is to configure Wireless network with USB wireless dongle. This feature only apply to NetAgent 9 model of BX and BY series. (USB wireless dongle is optional)

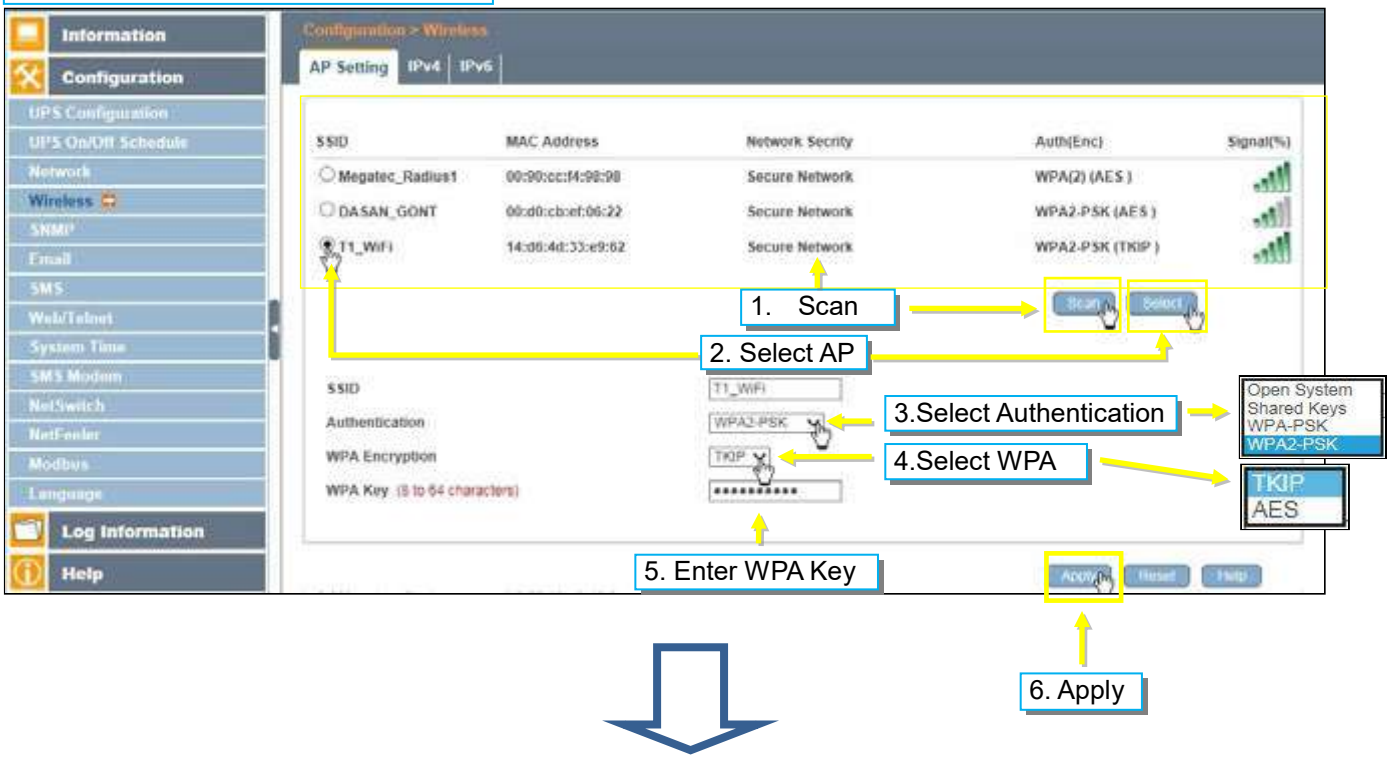
NetAgent 9 BX/BY models supports wireless encryption of Open system; Shared Key; WEP(64 /128 bit) / WPA / WPA2(TKIP/AES)

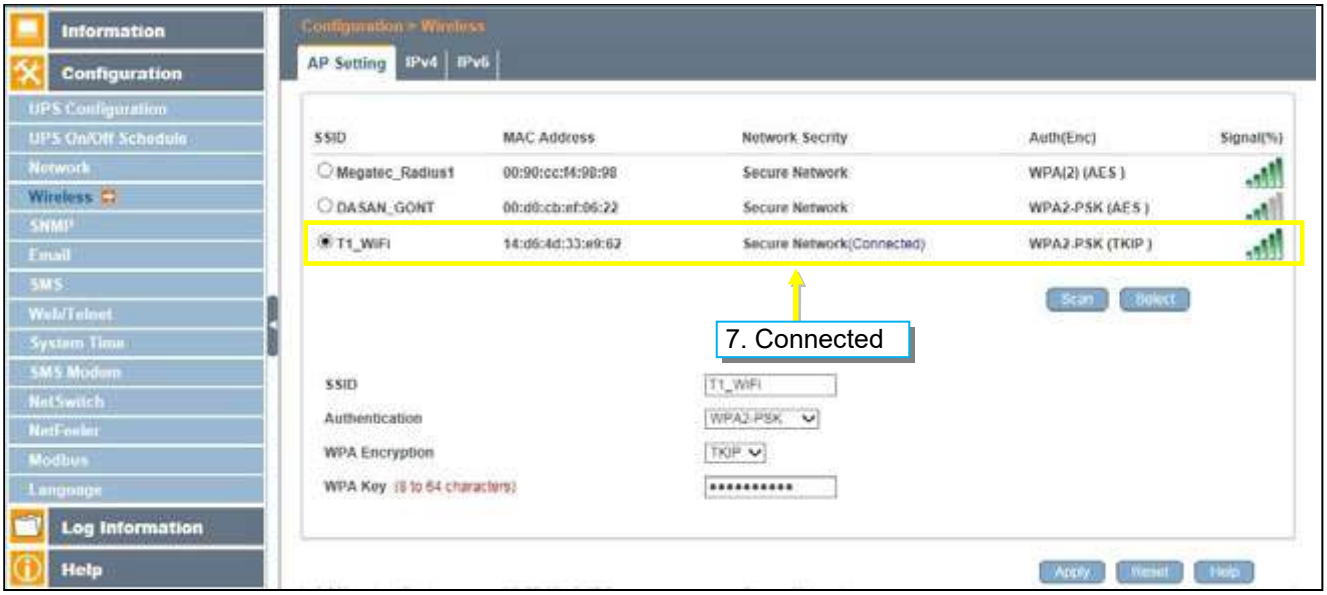
- Connect the compatible USB wireless dongle to BX/BY NetAgent



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

NetAgent 9 Mini & NetAgent 9





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

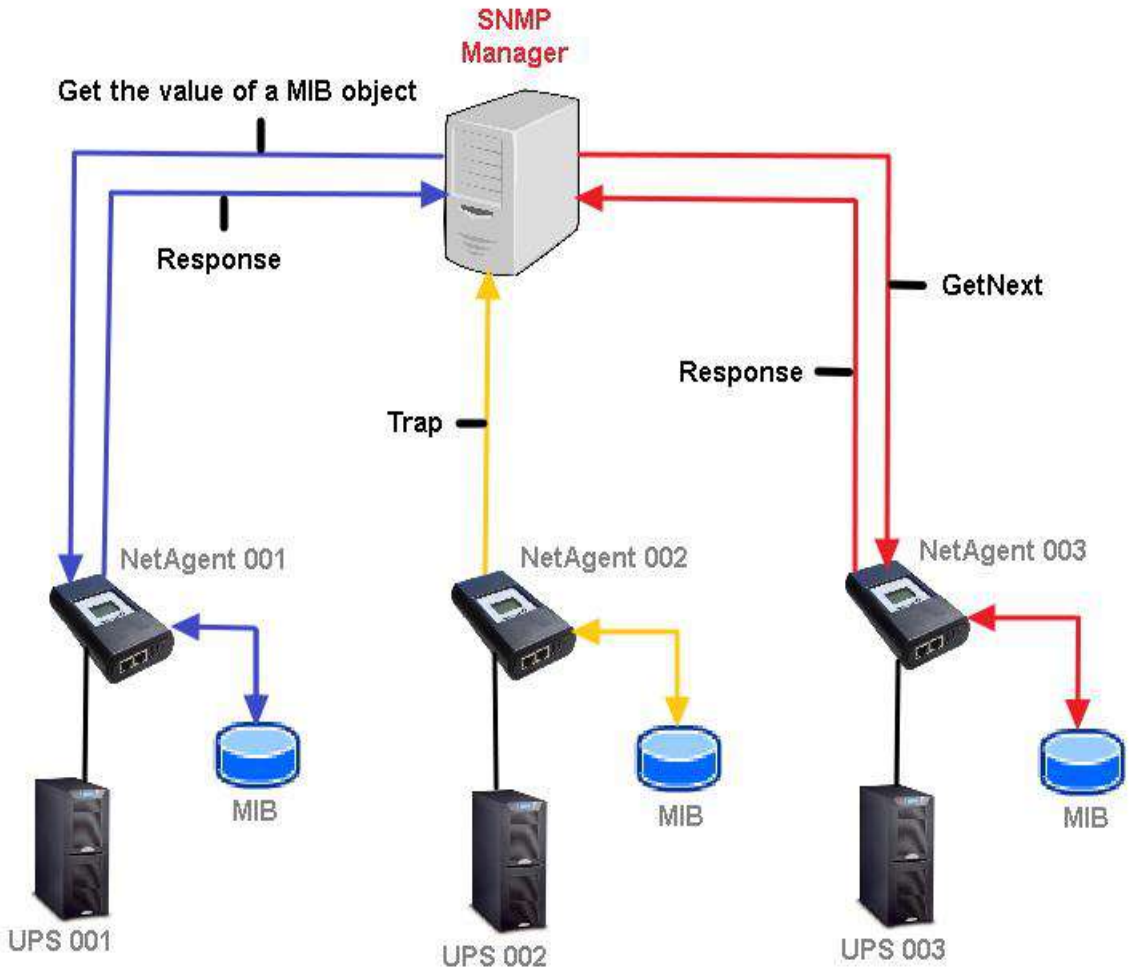


■ Configuration > SNMP

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 NetAgnet 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：

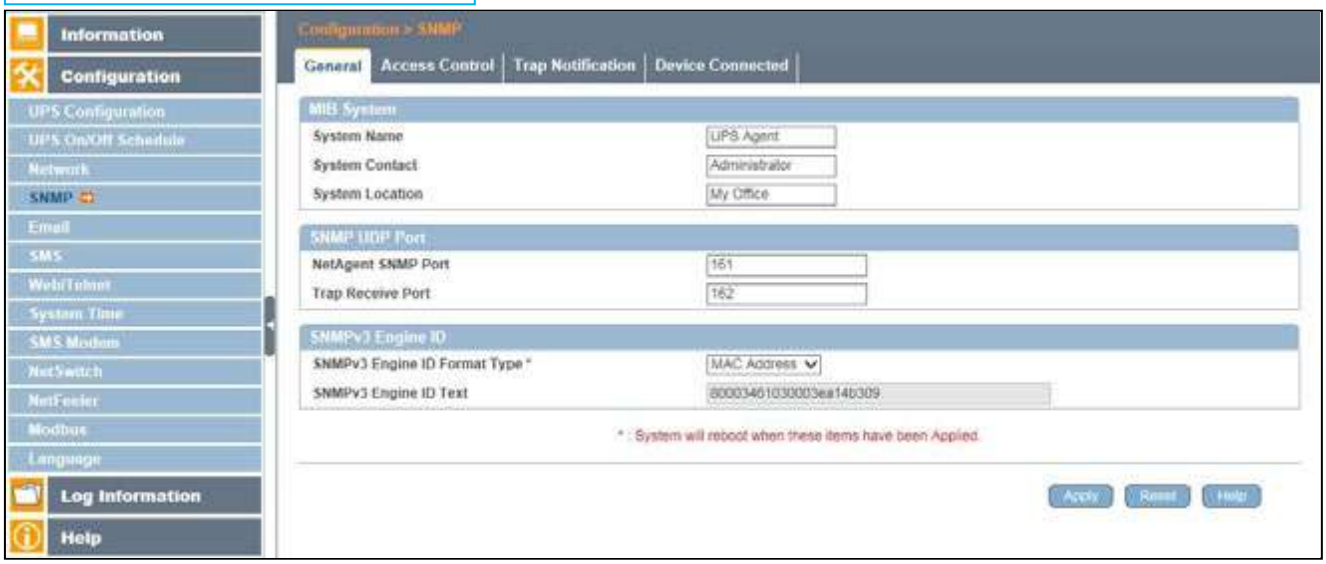
When using SNMPv3, NetAgent requires to have its Engine ID for identification to generates authentication and encryption key . Format type can be select from the drop down list with option of MAC Address / IPv4 / IPv6 / Manual

✹Once click on Apply, NetAgent will reboot

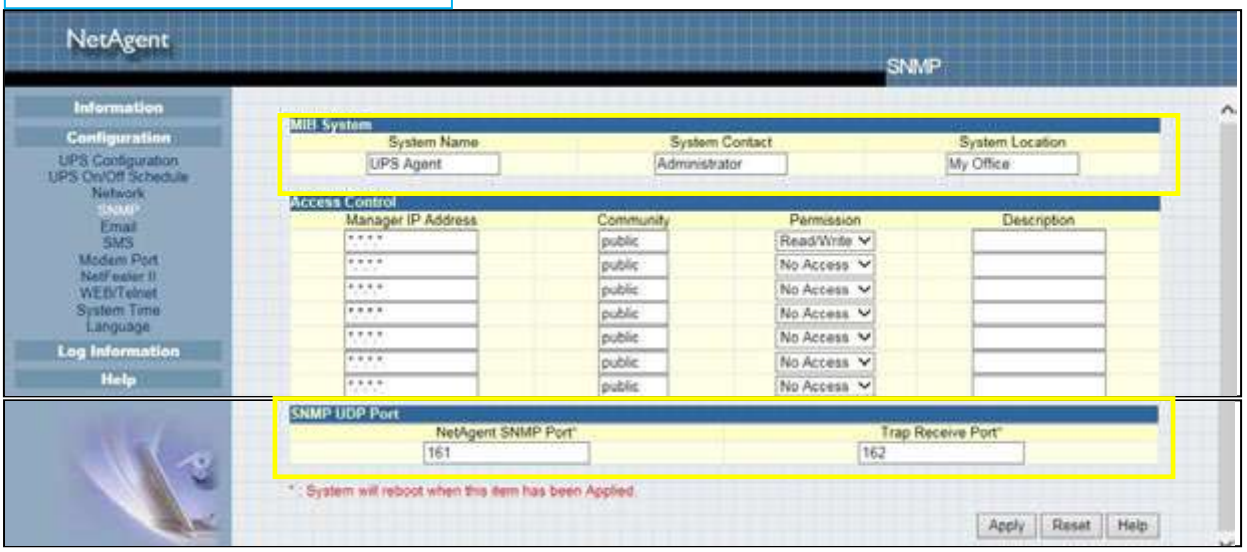
SNMPv3 Engine ID Text：

SNMPv3 Engine ID content

NetAgent 9 Mini & NetAgent 9



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)

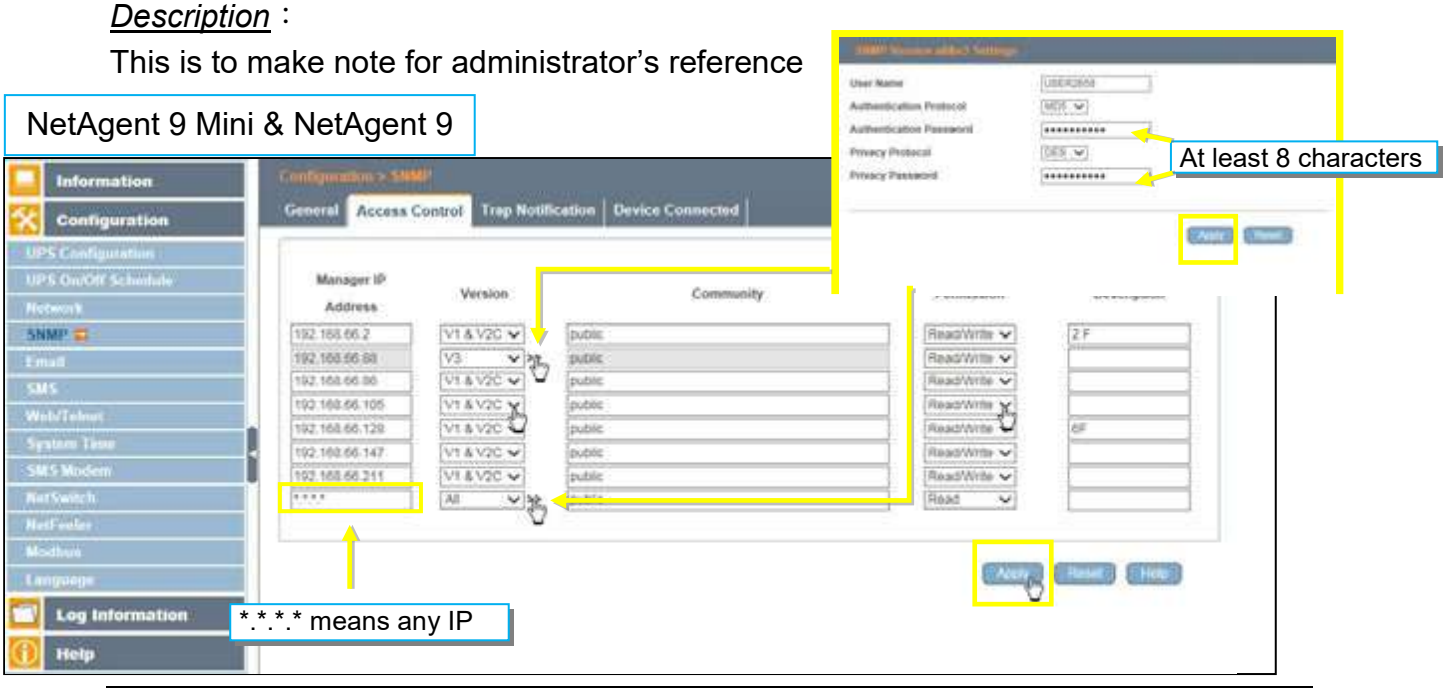
Permission :

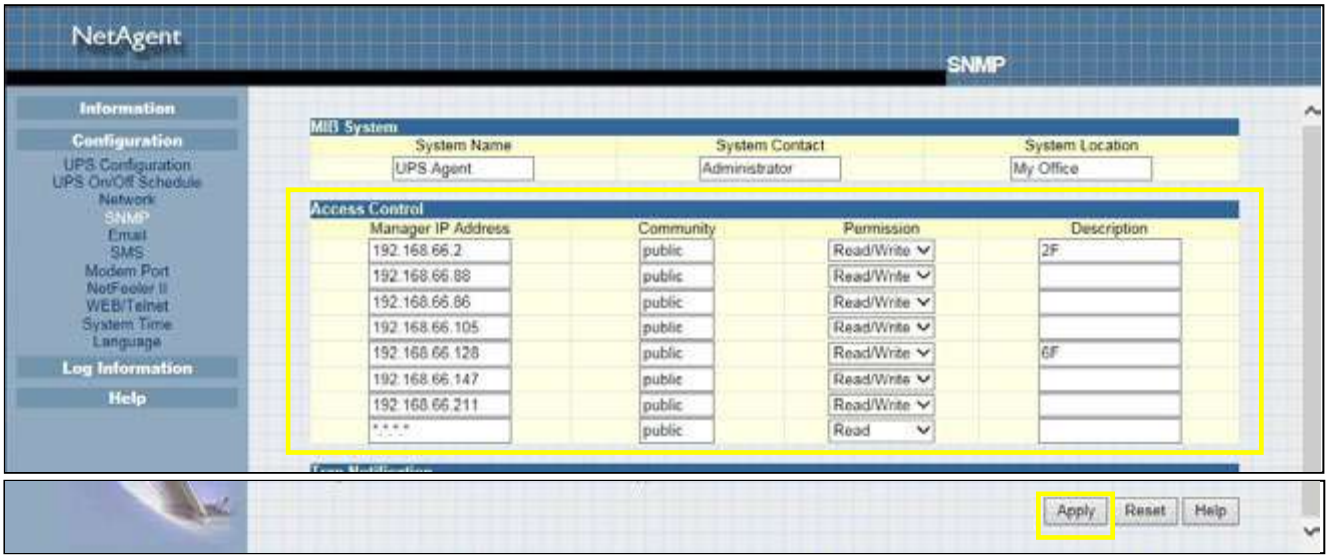
This is to set authorities of administrators. Options are Read, Read/Write, and No Access.

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：

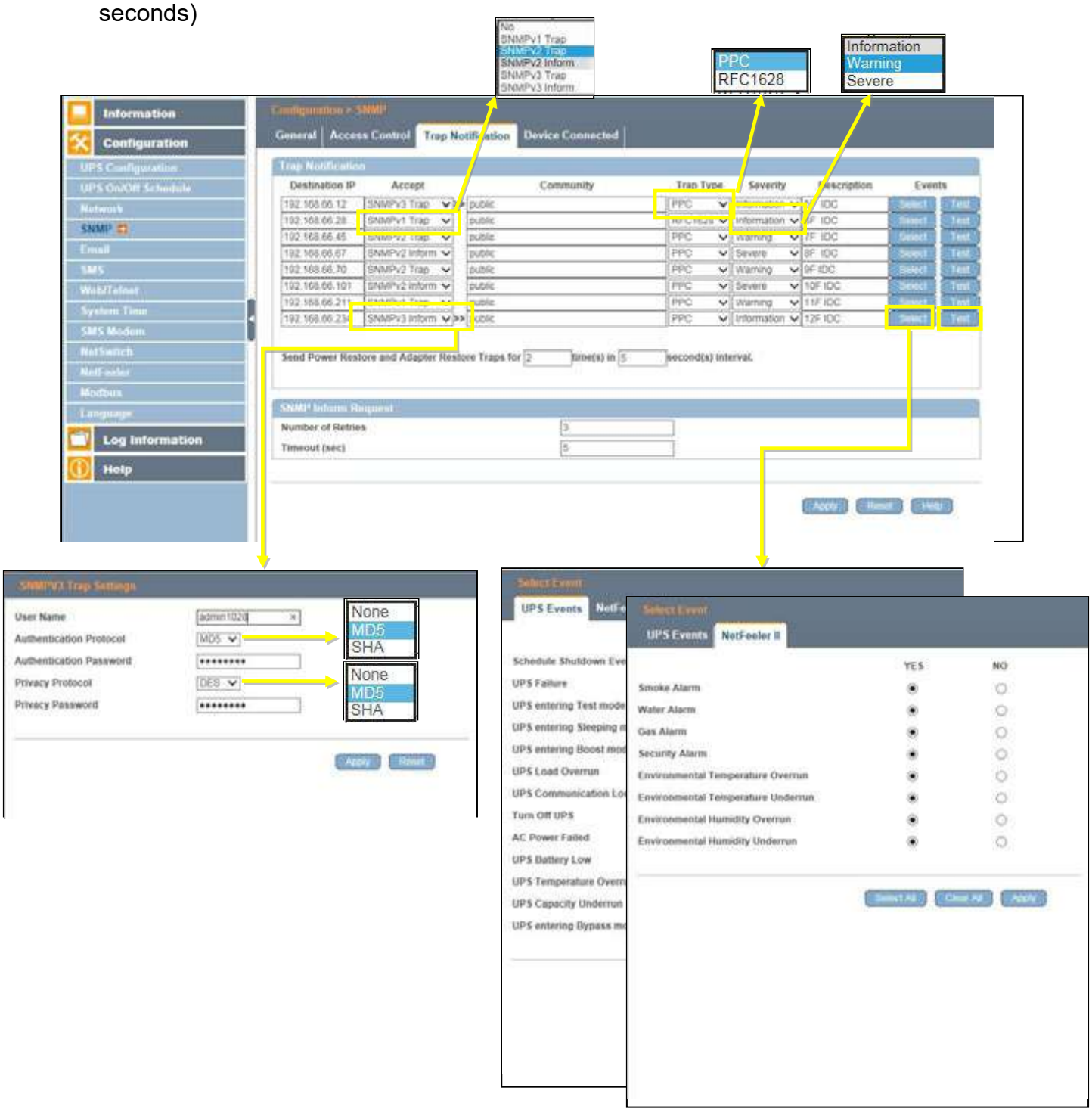
This is to select events for NetAgent to send traps. Click on Select to show the full Events List. Click on Test to send test trap to ensure all setting is correct

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

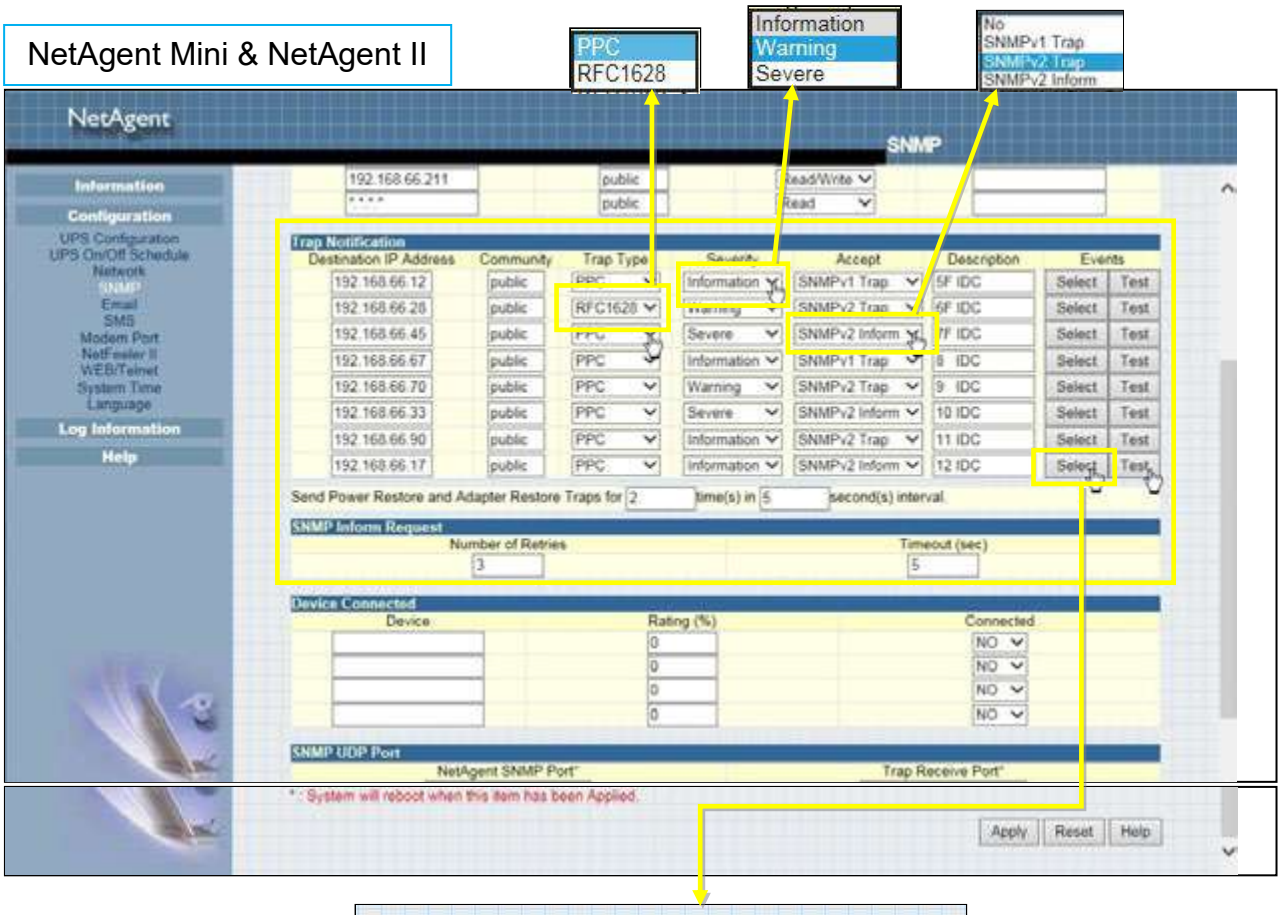
This is to set number of trap to send in preset second when power restore on NetAgent. This is to check if the communication between trap receiver and NetAgent remains well or not after power recovers

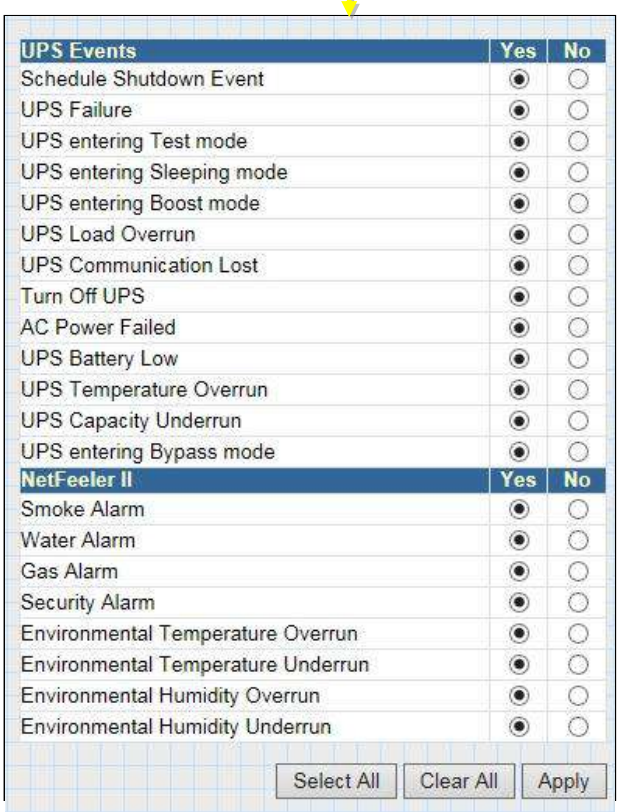
SNMP Inform Request

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





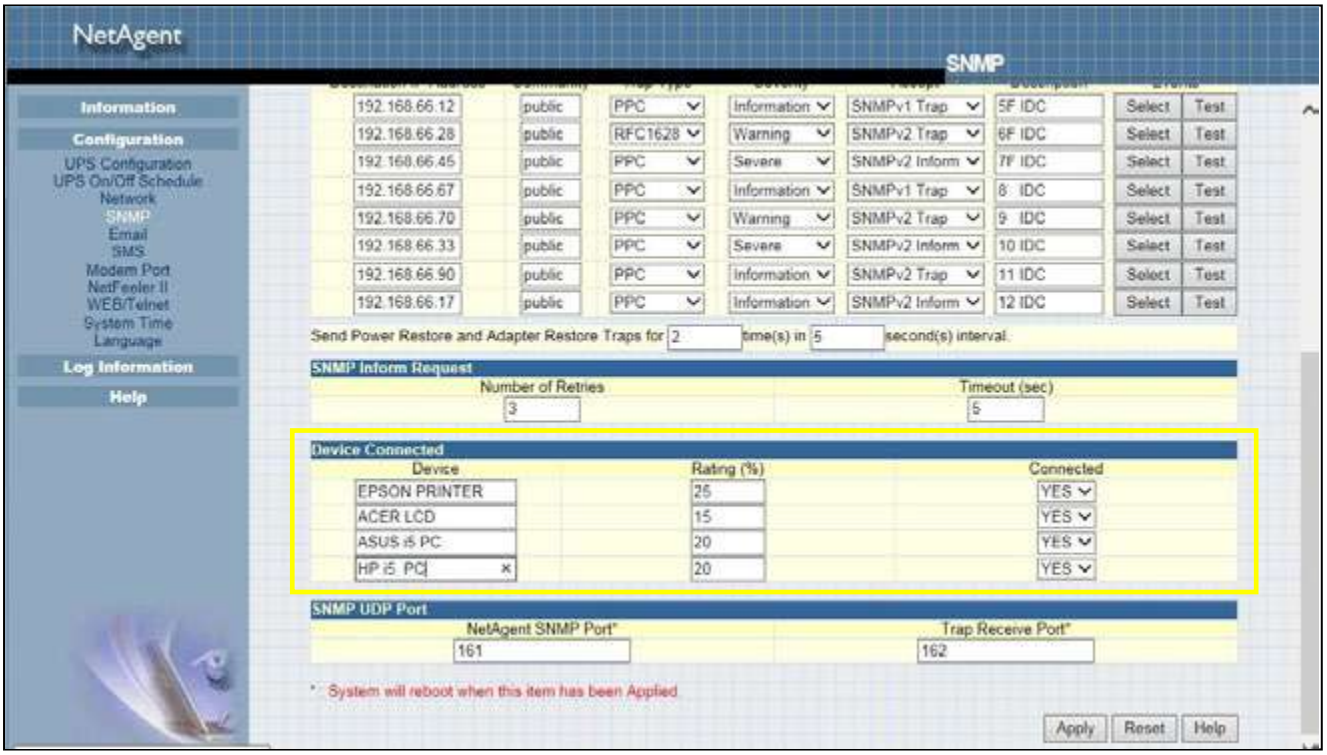
UPS Events	Yes	No
Schedule Shutdown Event	◉	○
UPS Failure	◉	○
UPS entering Test mode	◉	○
UPS entering Sleeping mode	◉	○
UPS entering Boost mode	◉	○
UPS Load Overrun	◉	○
UPS Communication Lost	◉	○
Turn Off UPS	◉	○
AC Power Failed	◉	○
UPS Battery Low	◉	○
UPS Temperature Overrun	◉	○
UPS Capacity Underrun	◉	○
UPS entering Bypass mode	◉	○
NetFeeler II	**Yes**	**No**
Smoke Alarm	◉	○
Water Alarm	◉	○
Gas Alarm	◉	○
Security Alarm	◉	○
Environmental Temperature Overrun	◉	○
Environmental Temperature Underrun	◉	○
Environmental Humidity Overrun	◉	○
Environmental Humidity Underrun	◉	○

Select All | Clear All | Apply

- Device Connected

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





■ Configuration > Email

To send email notification when event occurs or data log

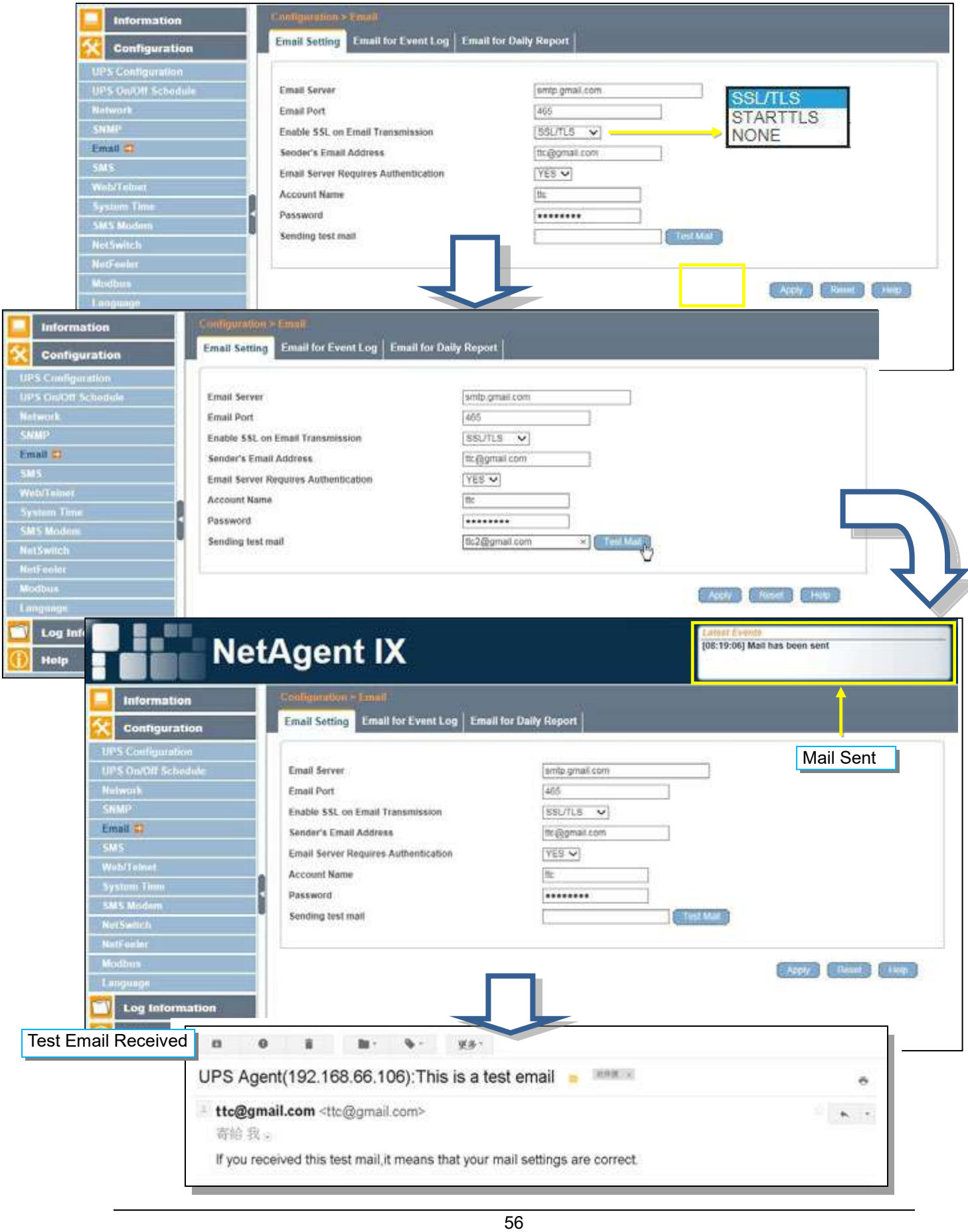
- Email Setting

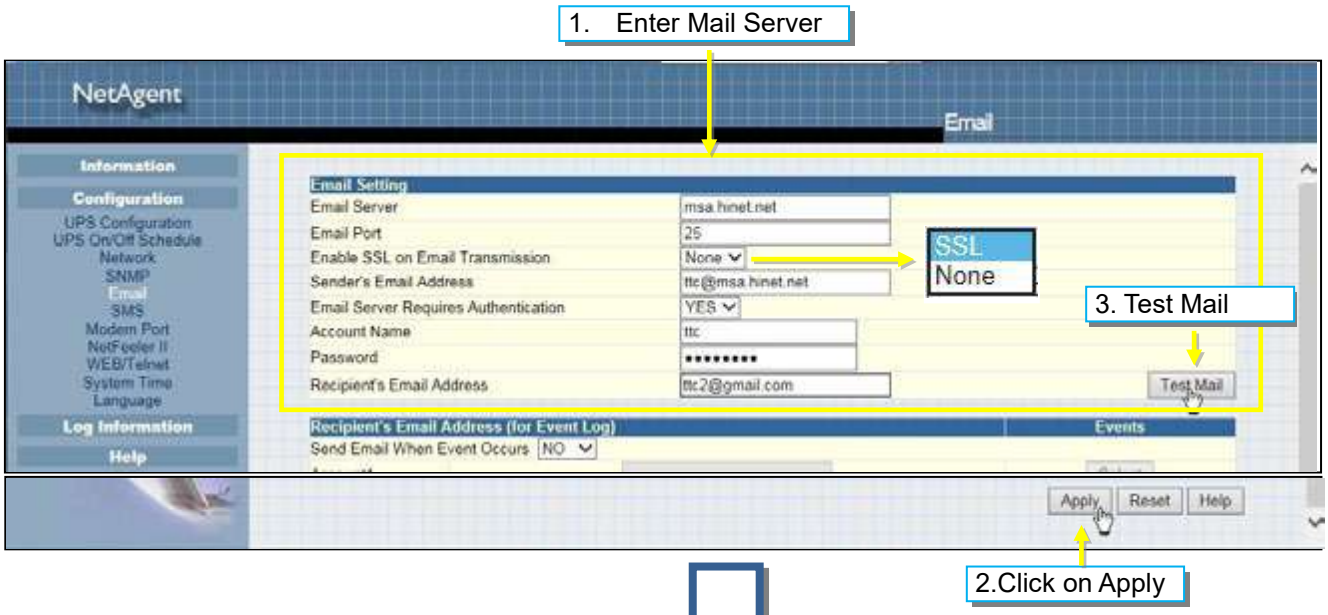
Email Server:
Enter the address of email server
Email Port:
Email Port that use for sending email
Enable SSL on Email Transmission:
Select SSL type for email transmission

Type of encryption that NetAgent model supports

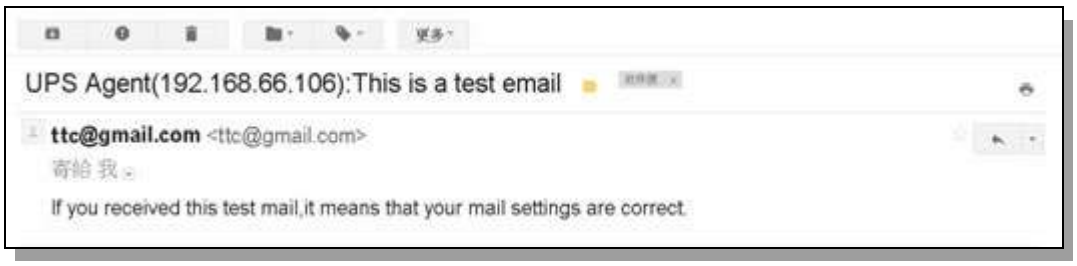
	SSL	TLS	STARTTLS
SNMP CARD Mini	✓	✓	✓

Sender's Email Address：
To enter the email address that for sending email
Email Server Requires Authentication：
If such email server requires authentication or not
Account name：
If authentication is required, enter its account name
Password：
If authentication is required, enter its password
Sending Test Mail：
Enter email address to check all configuration is correct or not to receiving mail


Information
Configuration
UPS Configuration
UPS On/Off Schedule
Network
SNMP
Email
SMS
Web/Telnet
System Time
SMS Modem
NetSwitch
NetFeeler
Modbus
Language
Log Information
Help
Email Setting
Email for Event Log
Email for Daily Report
Email Server
Email Port
Enable SSL on Email Transmission
Sender's Email Address
Email Server Requires Authentication
Account Name
Password
Sending test mail
smtp.gmail.com
465
SSL/TLS
YES
ttc@gmail.com
ttc2@gmail.com
Test Mail
Apply
Reset
Help
SSL/TLS
STARTTLS
NONE
NetAgent IX
Latest Events
[08:19:06] Mail has been sent
Mail Sent
Test Email Received
UPS Agent(192.168.66.106):This is a test email
ttc@gmail.com <ttc@gmail.com>
寄給 我 .
If you received this test mail,it means that your mail settings are correct.

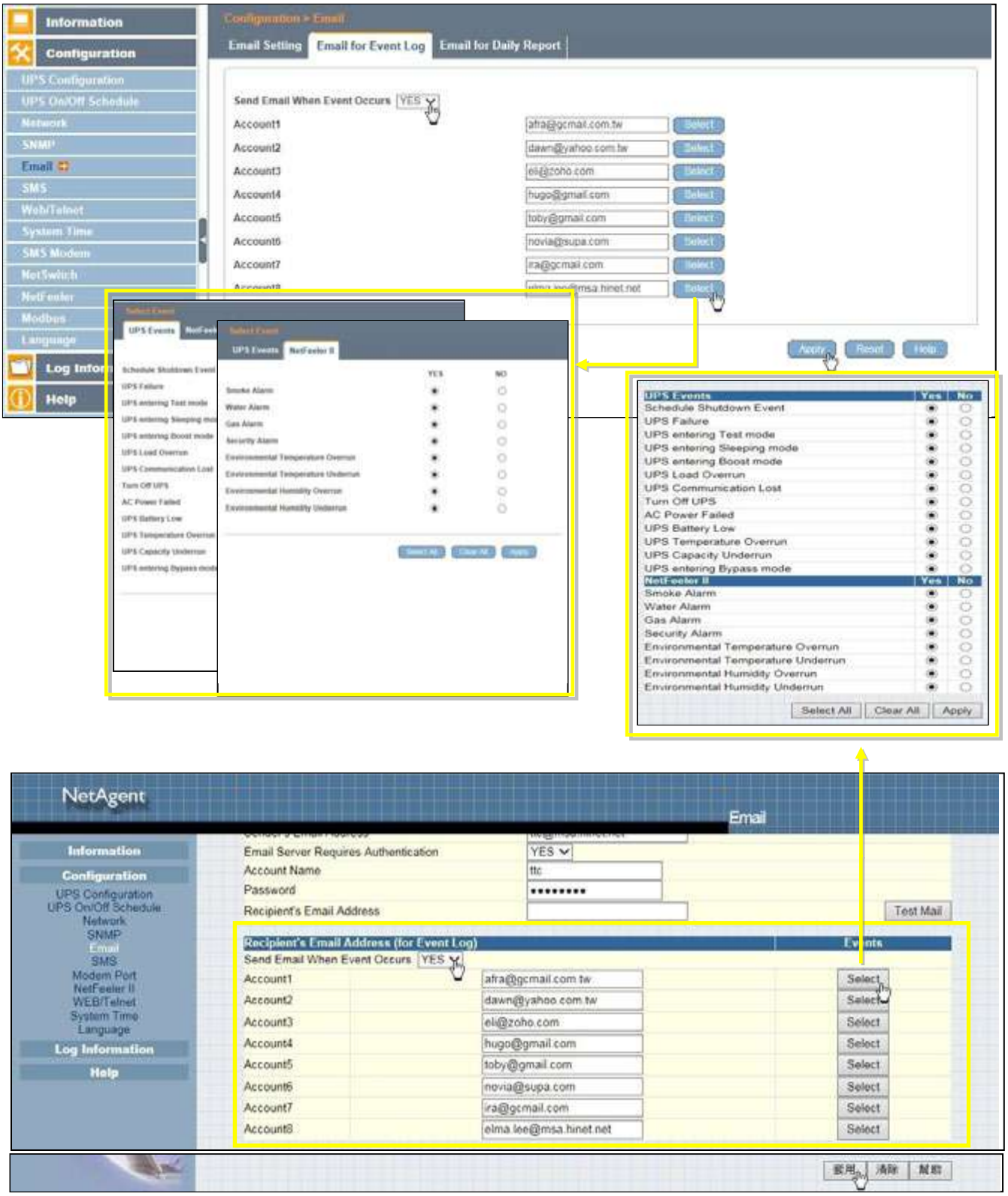


Test Email Received



- Email for Event Log (To receive email notification)

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

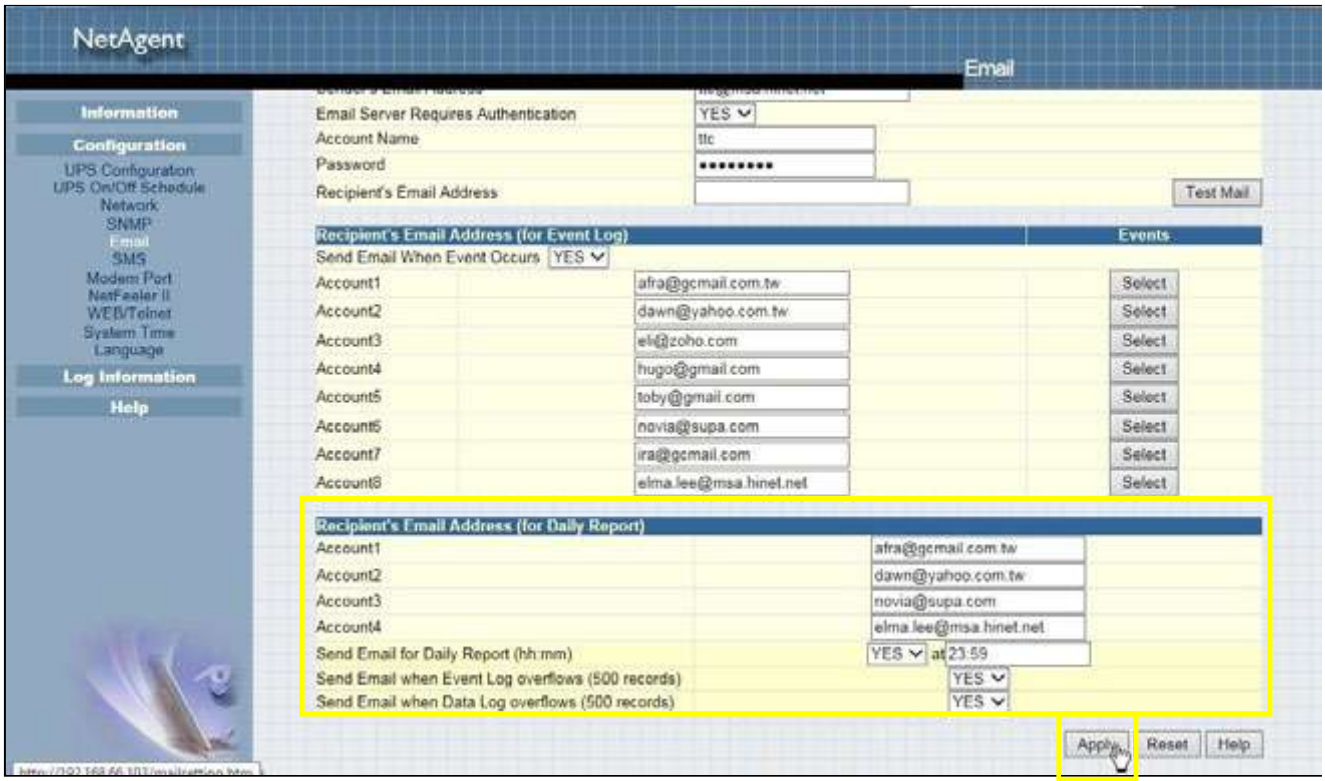


- Email for Daily Report (To receive daily report)

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.

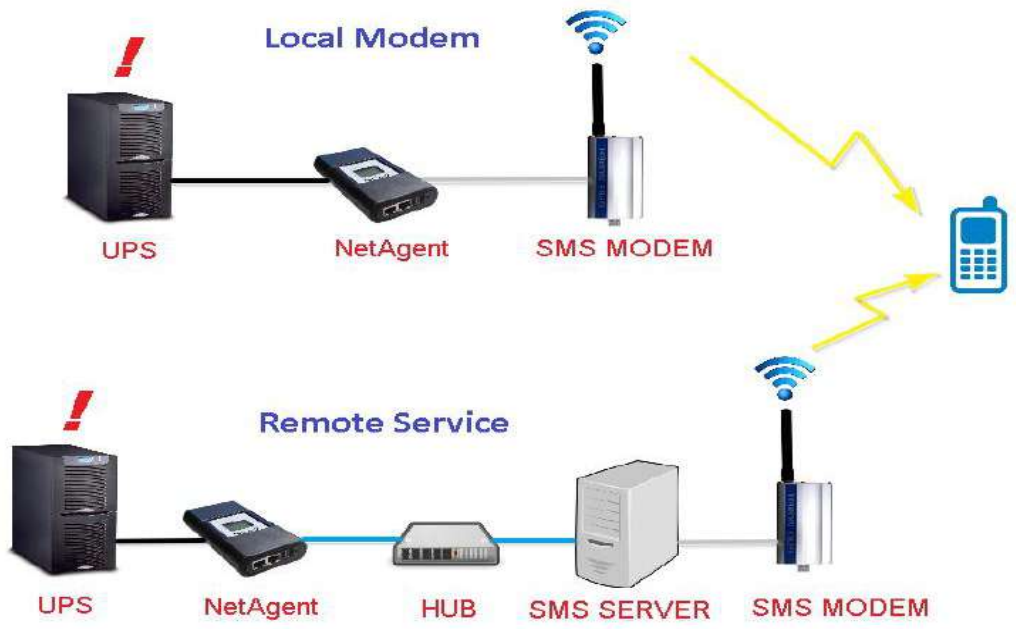
With SNMP card is available if to send email when event or data log overflows to 500 logs





■ 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：

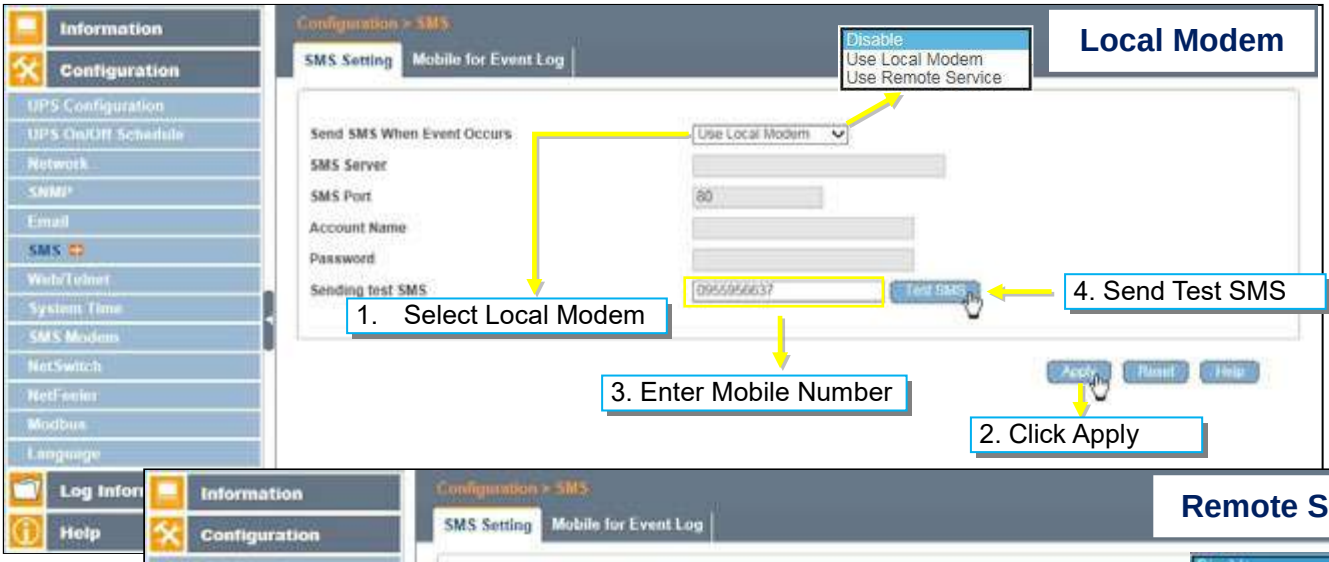
If select to use Remote Service to send SMS, enter SMS Server’s account name if required

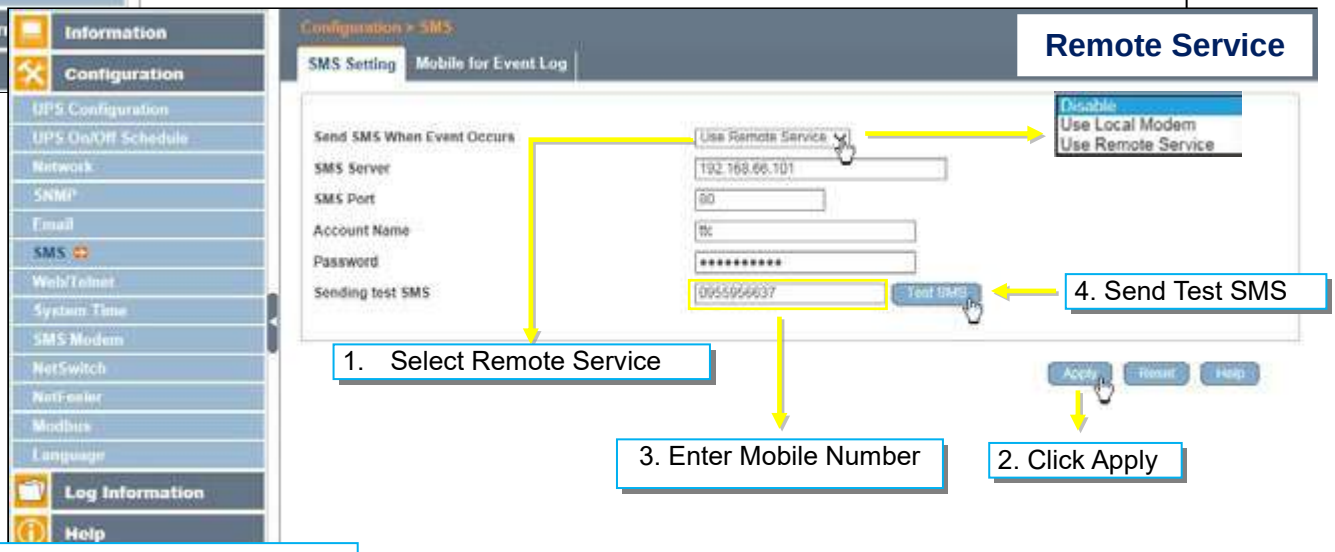
Password：

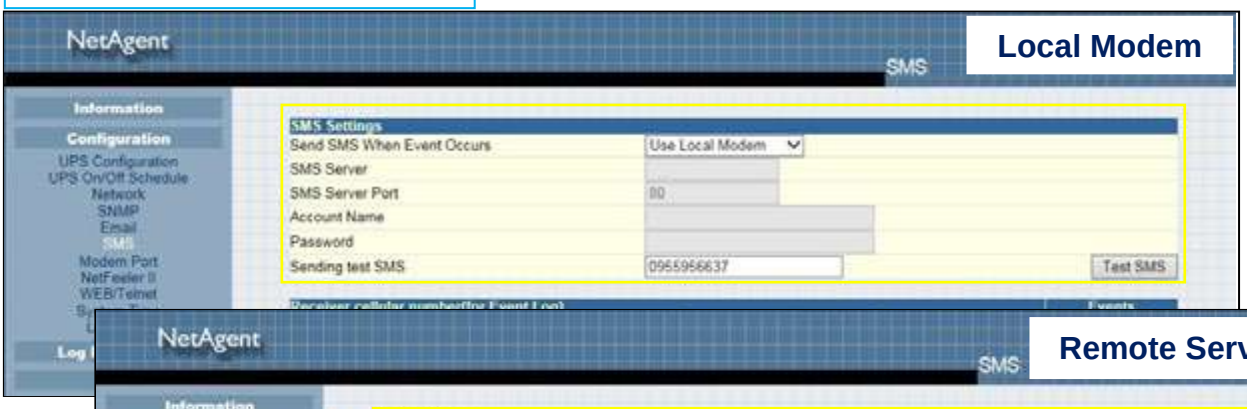
If select to use Remote Service to send SMS, enter SMS Server’s password if required

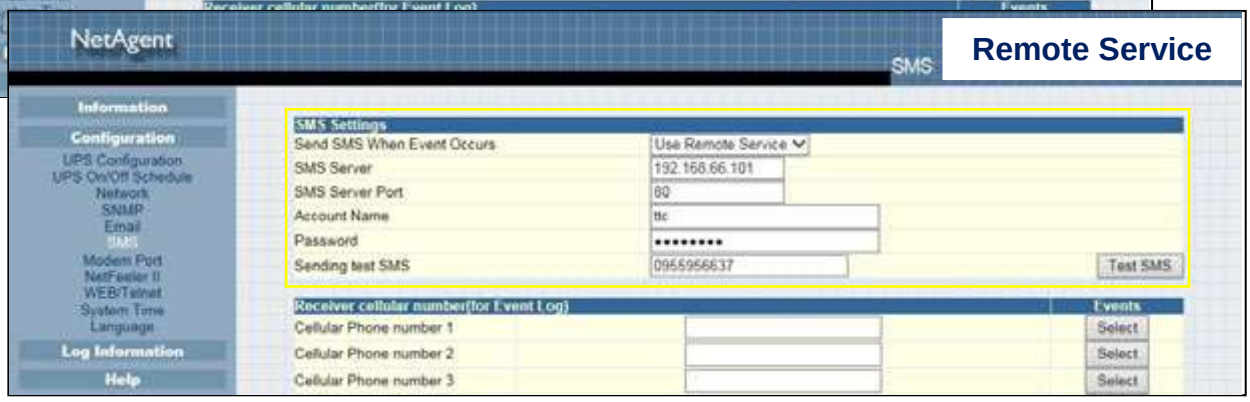
Sending test SMS：

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


Local Modem
Disable
Use Local Modem
Use Remote Service
Send SMS When Event Occurs
SMS Server
SMS Port
Account Name
Password
Sending test SMS
1. Select Local Modem
2. Click Apply
3. Enter Mobile Number
4. Send Test SMS


Remote Service
Disable
Use Local Modem
Use Remote Service
Send SMS When Event Occurs
SMS Server
SMS Port
Account Name
Password
Sending test SMS
1. Select Remote Service
2. Click Apply
3. Enter Mobile Number
4. Send Test SMS

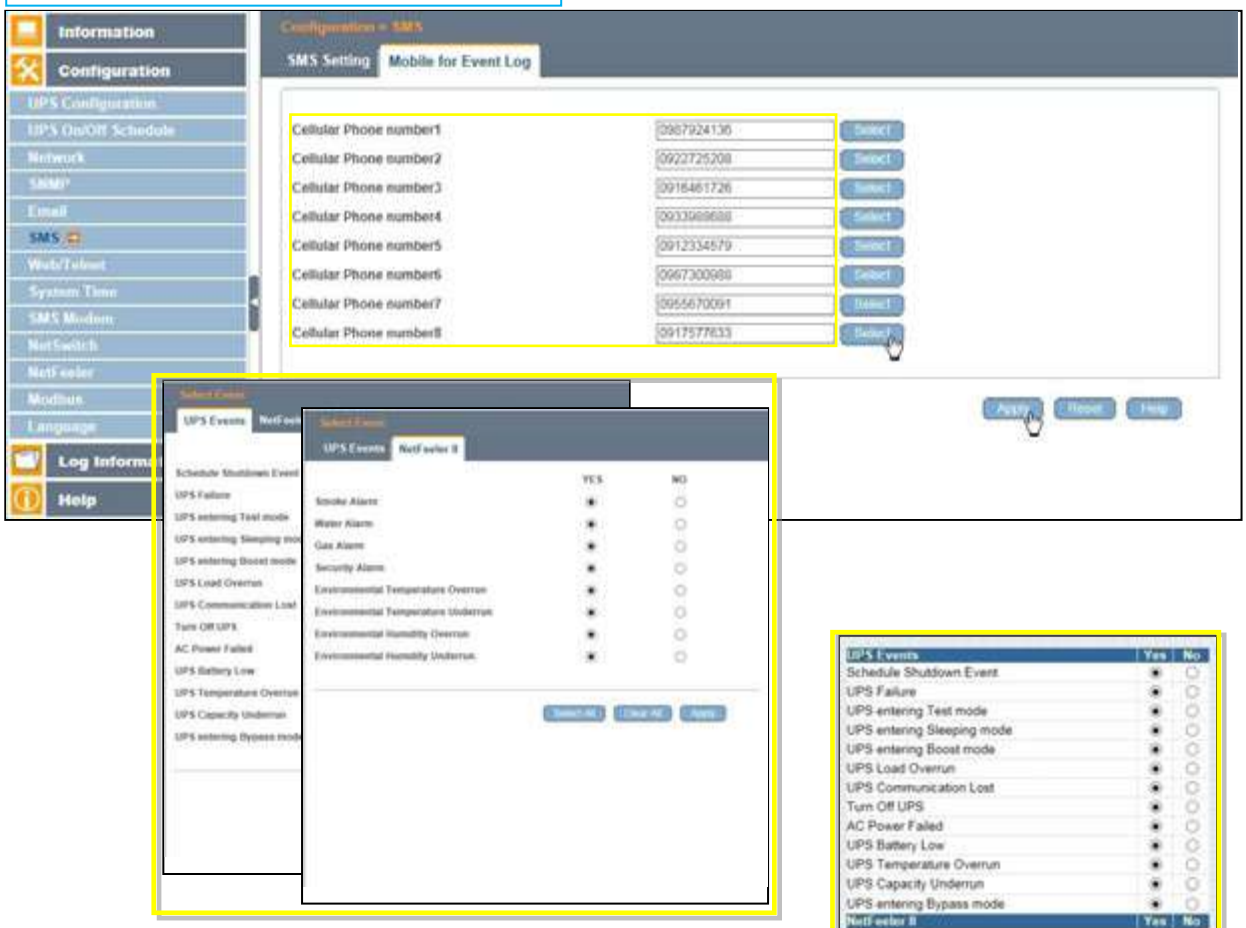

NetAgent
SMS
Local Modem
SMS Settings
Send SMS When Event Occurs
SMS Server
SMS Server Port
Account Name
Password
Sending test SMS
Test SMS


NetAgent
SMS
Remote Service
SMS Settings
Send SMS When Event Occurs
SMS Server
SMS Server Port
Account Name
Password
Sending test SMS
Test SMS
Receiver cellular number(for Event Log)
Events
Cellular Phone number 1
Cellular Phone number 2
Cellular Phone number 3
Select

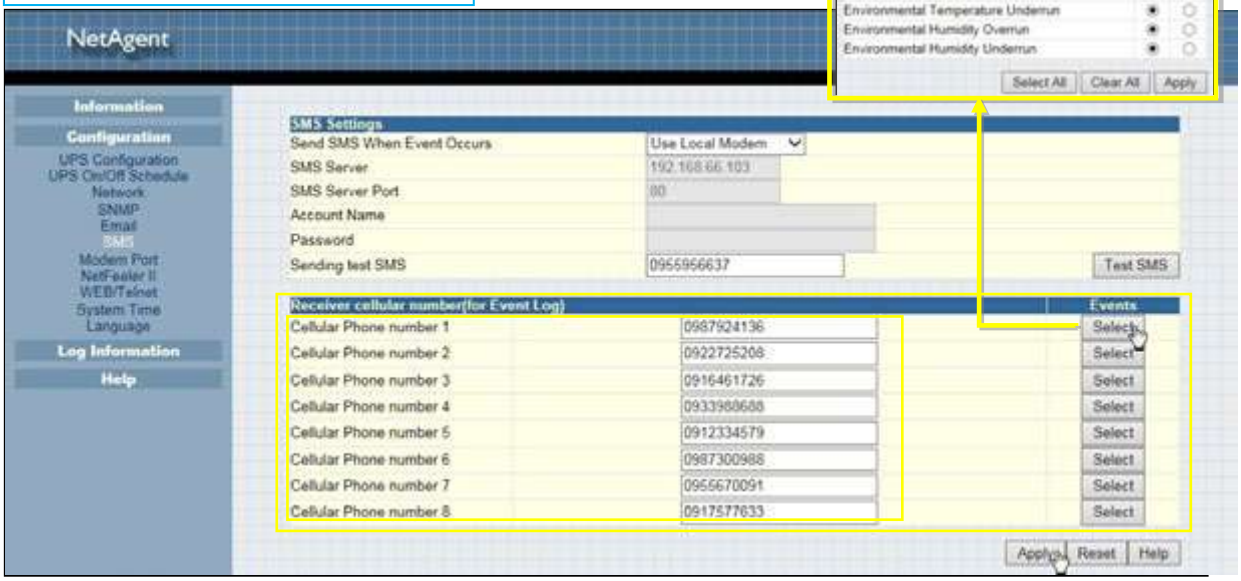
- Mobile for Event Log

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



NetAgent II and NetAgent Mini



■ 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)

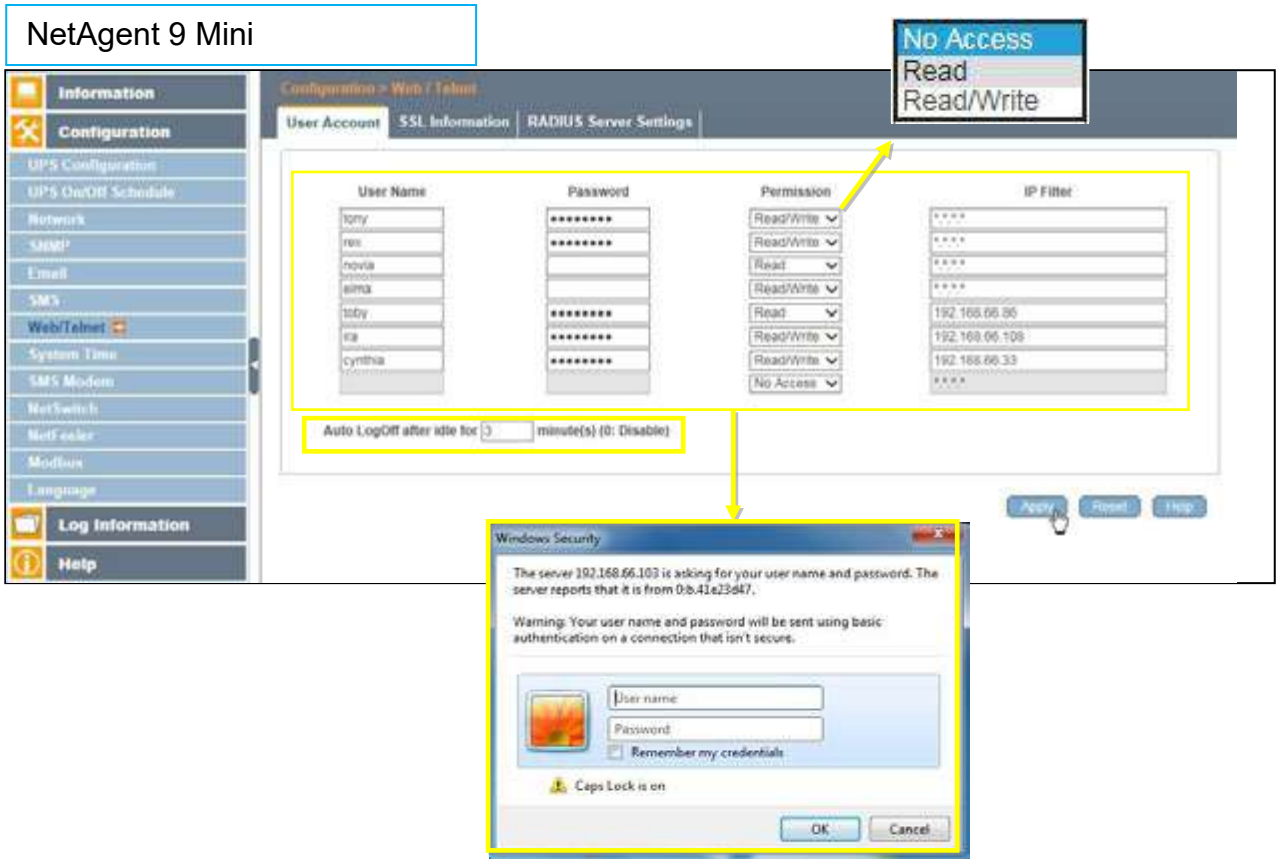
- Permission Rule： At least one user account must be Read/Write
- Permission Rule : User name with Read and Write cannot be blank

IP Filter：
Only specific IP address could login to NetAgent

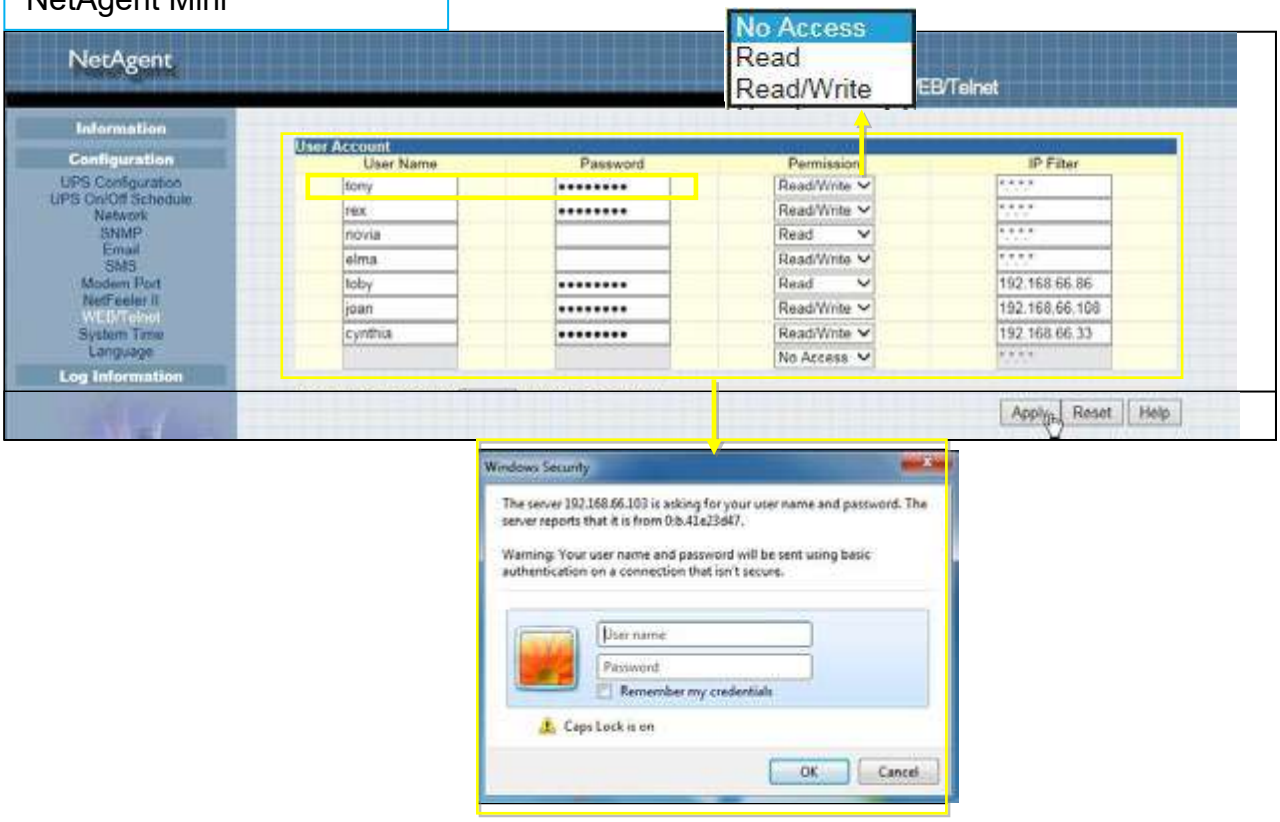
- *.*.*.* means any IP address

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



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

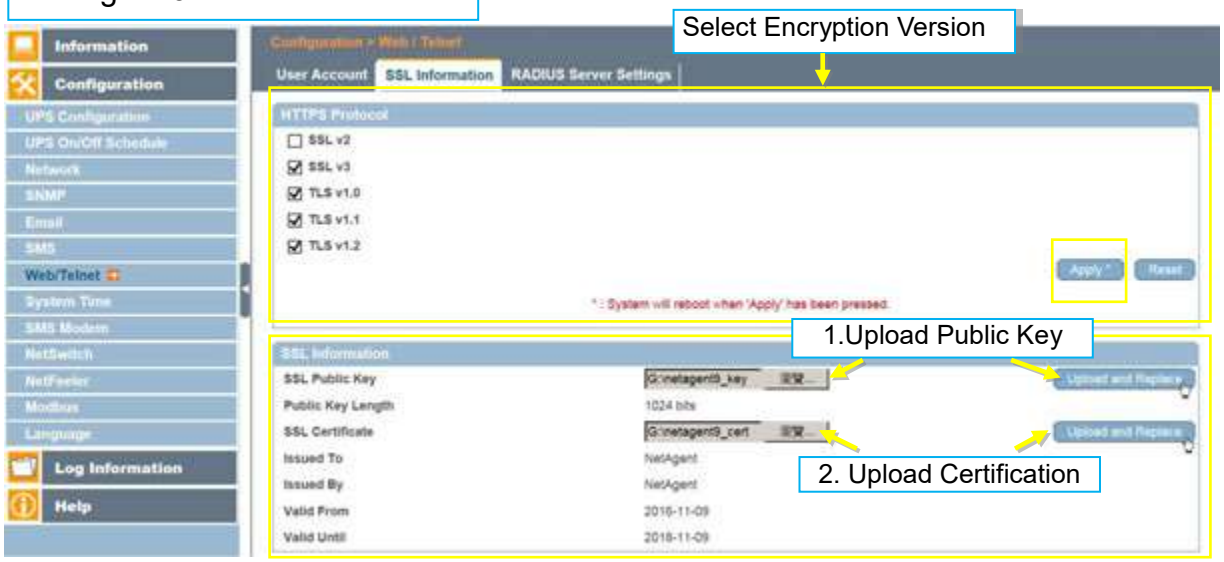
✹ Once click on Apply, NetAgent will reboot

SSL Information

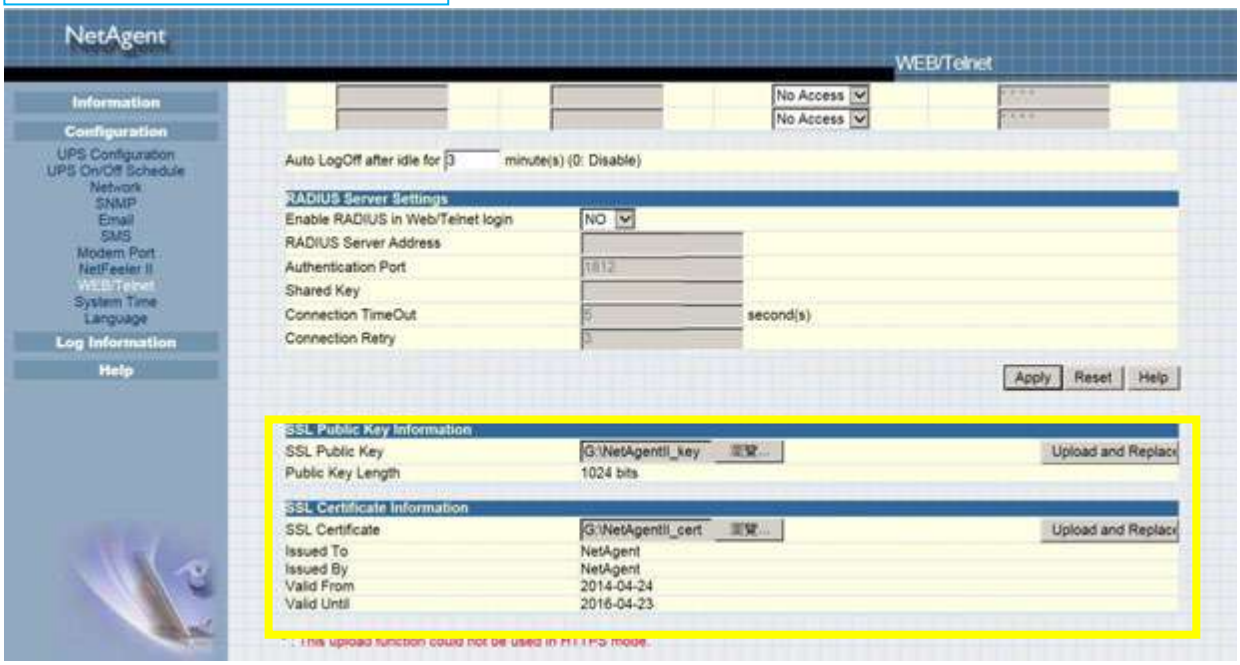
This is to upload the SSL certificate. When both public key and certificate are uploaded to NetAgent web server, the communication will be encrypted by SSL

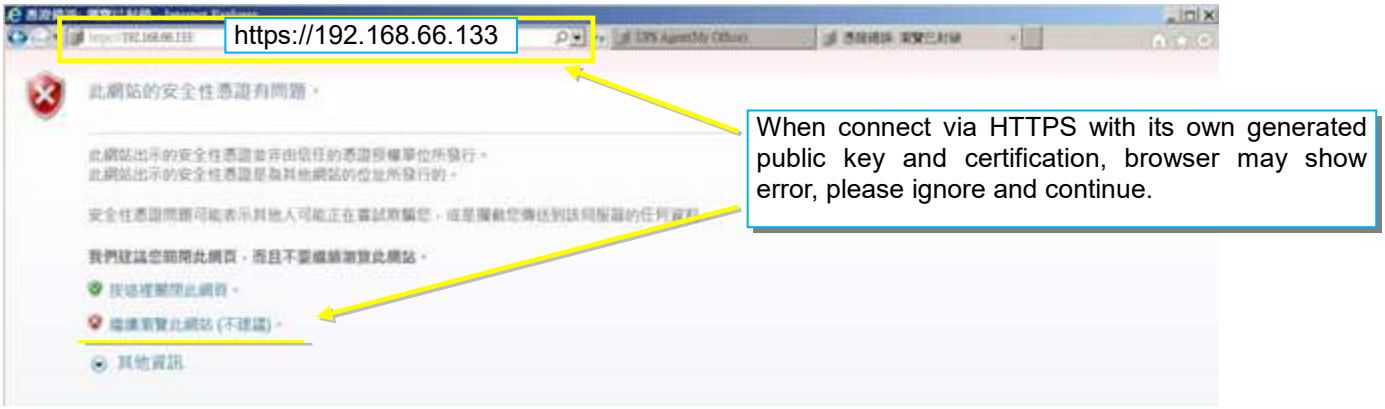
(To communicate via Https, make sure to enable Https port 443.)To create its own public key and certification, please refer to OpenSSL software in the CD

NetAgent 9 Mini



NetAgent Mini





- RADIUS Server Setting

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

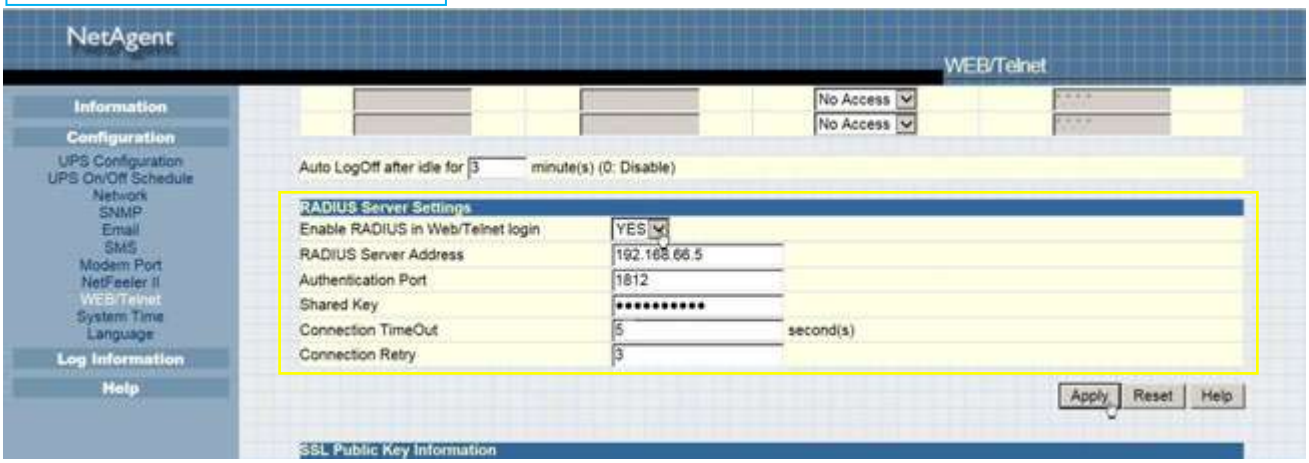


Enable RADIUS in Web/Telnet Login:
To select if to enable RADIUS
RADIUS Server Address :
To enter the IP address of the RADIUS Server
Authentication Port :
RADIUS port number (Default is 812)
Shared Key :
Enter the Shared Key between RADIUS Server and client
Connection Timeout :
Set the number of seconds 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

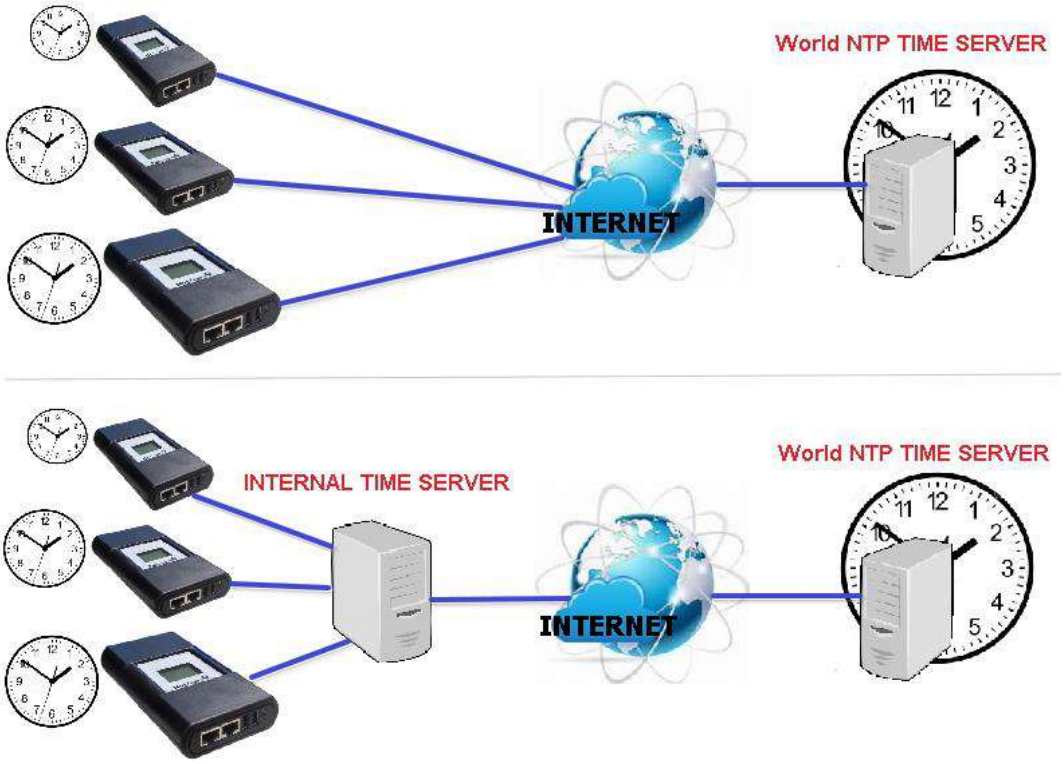


NetAgent Mini



■ 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:mmm:ss) :

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

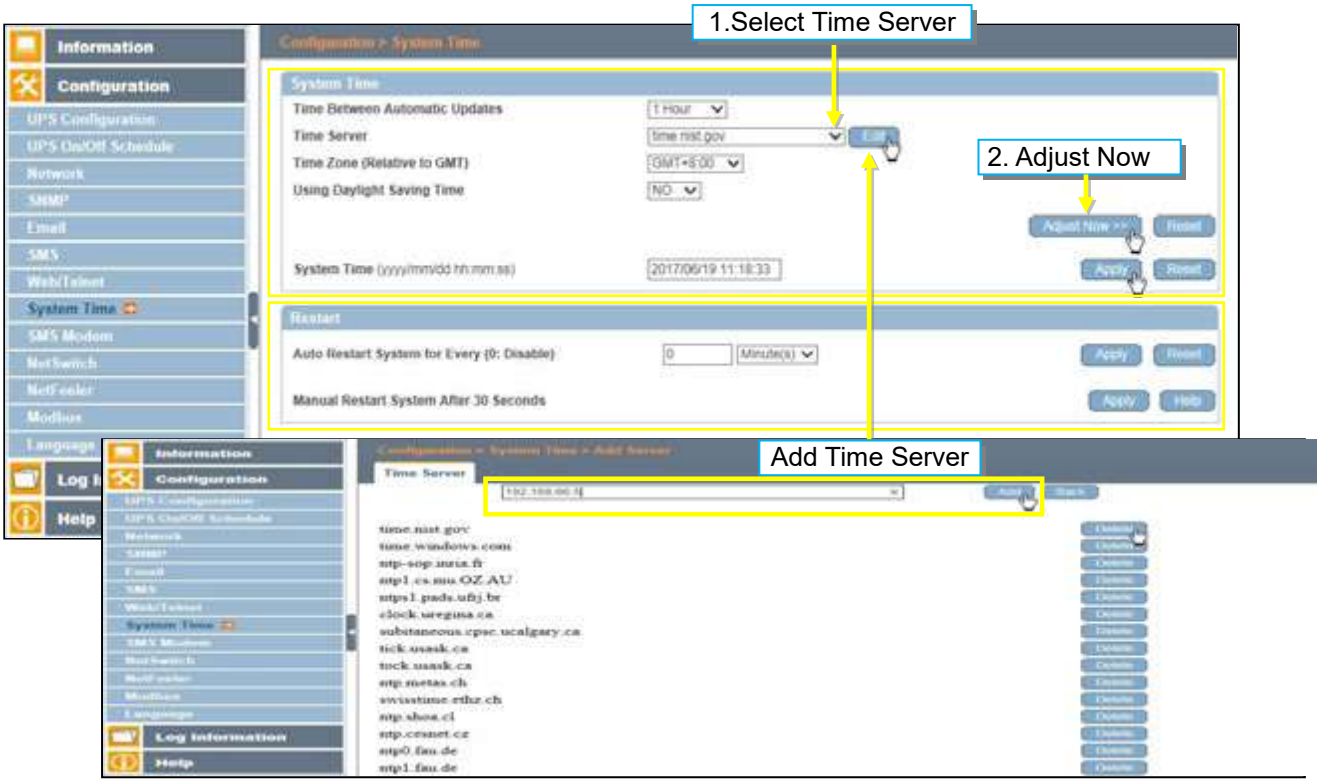
Restart

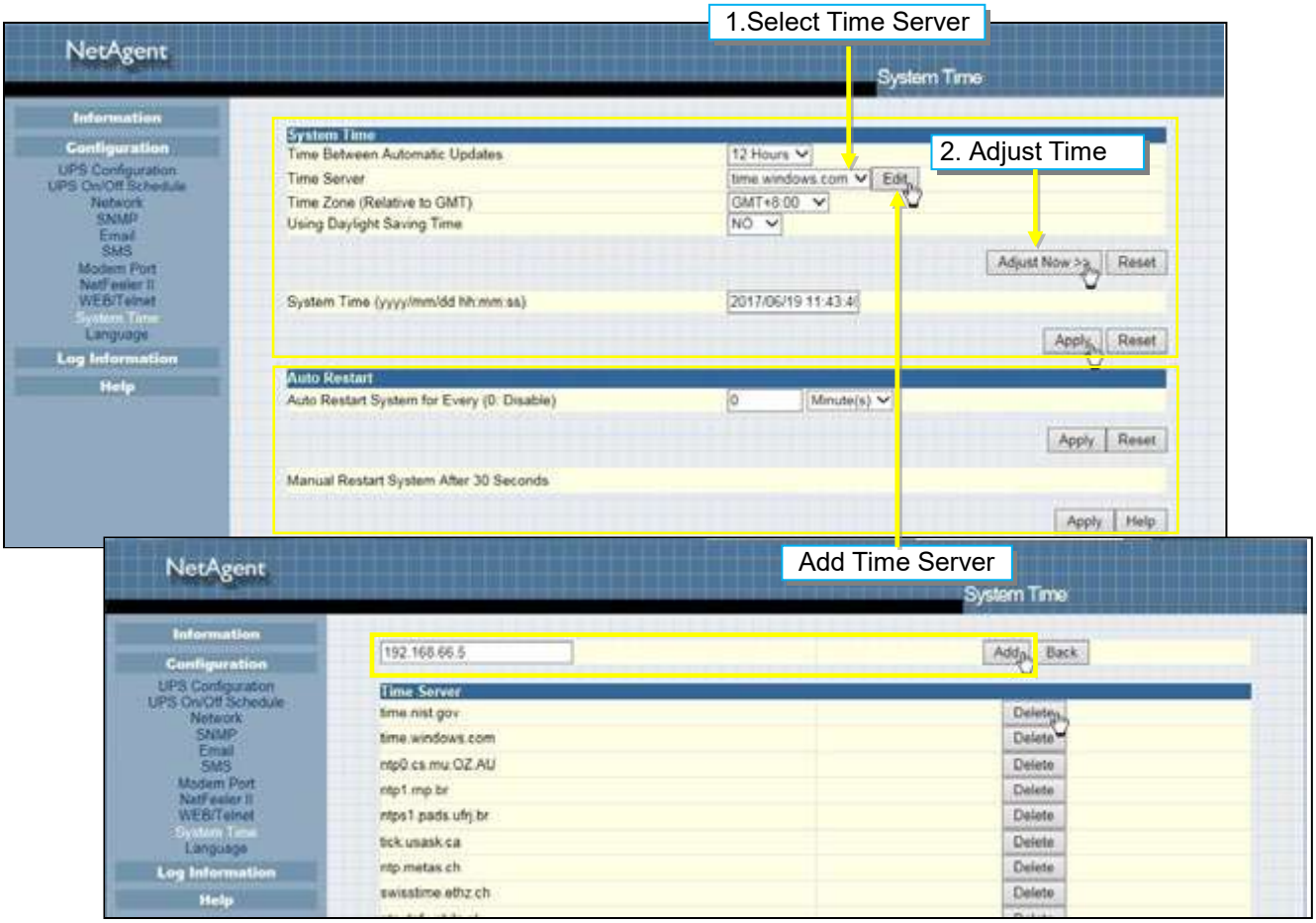
Auto Restart System for Every (0 is disabled):

NetAgent to restart automatically at preset hour or minute

Manual Restart System After 30 seconds :

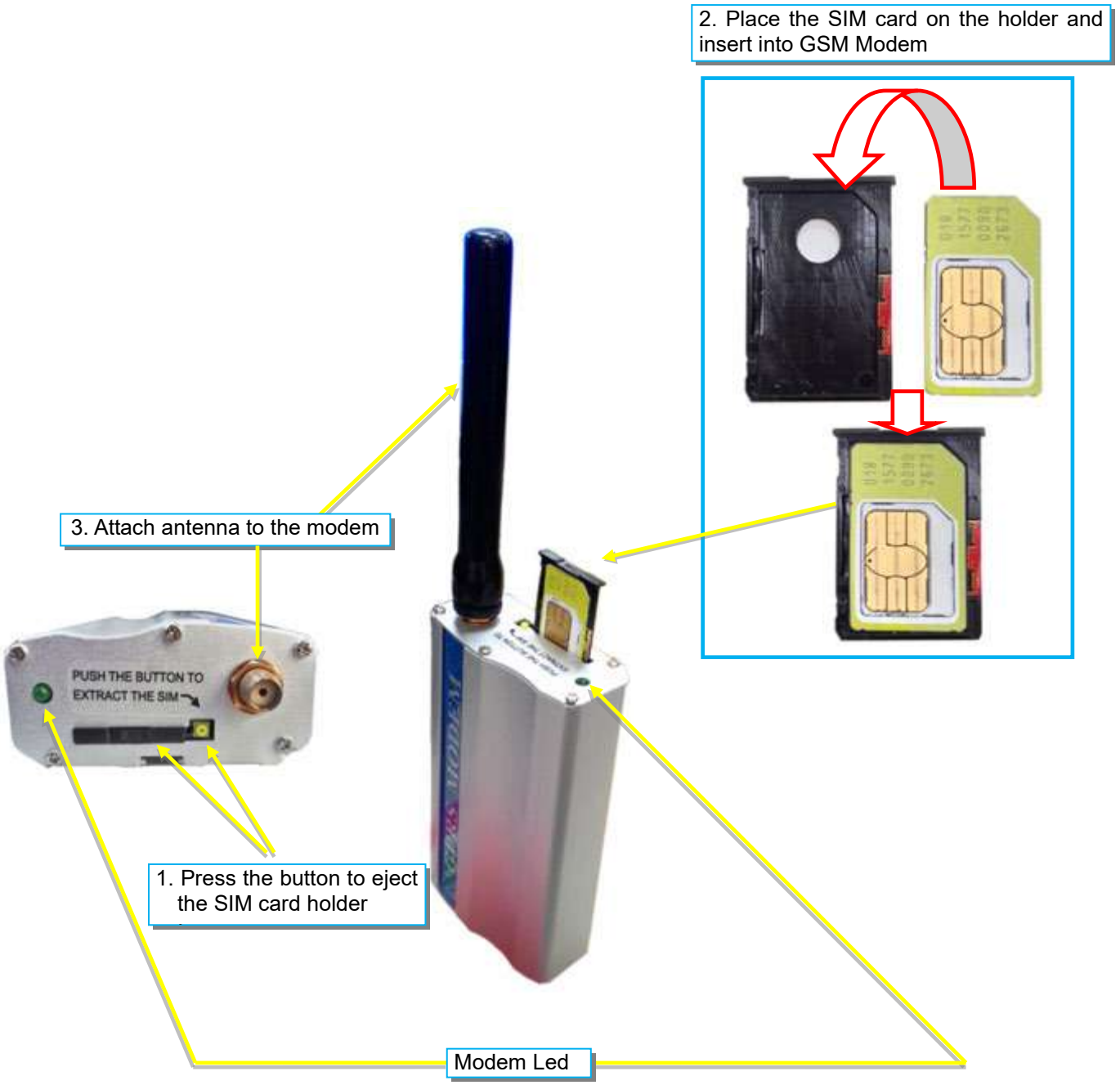
Once click on Apply, NetAgent would restart after 30 seconds


1.Select Time Server
2. Adjust Now
Add Time Server
Information
Configuration
System Time
Time Between Automatic Updates
Time Server
Time Zone (Relative to GMT)
Using Daylight Saving Time
System Time (yyyy/mm/dd hh:mm:ss)
Restart
Auto Restart System for Every (0: Disable)
Manual Restart System After 30 Seconds
Log Information
Help


1.Select Time Server
2. Adjust Time
Add Time Server
NetAgent
System Time
Information
Configuration
UPS Configuration
UPS On/Off Schedule
Network
SNMP
Email
SMS
Modem Port
NetFeeler II
WEB/Telnet
System Time
Language
Log Information
Help
Time Between Automatic Updates
Time Server
Time Zone (Relative to GMT)
Using Daylight Saving Time
System Time (yyyy/mm/dd hh:mm:ss)
Auto Restart
Auto Restart System for Every (0: Disable)
Manual Restart System After 30 Seconds
192.168.66.5
Time Server
time.nist.gov
time.windows.com
ntp0.cs.mu.OZ.AU
ntp1.rnp.br
ntps1.pads.ufrj.br
tick.usask.ca
ntp.metas.ch
swisstime.ethz.ch

■ Configuration > SMS Modem

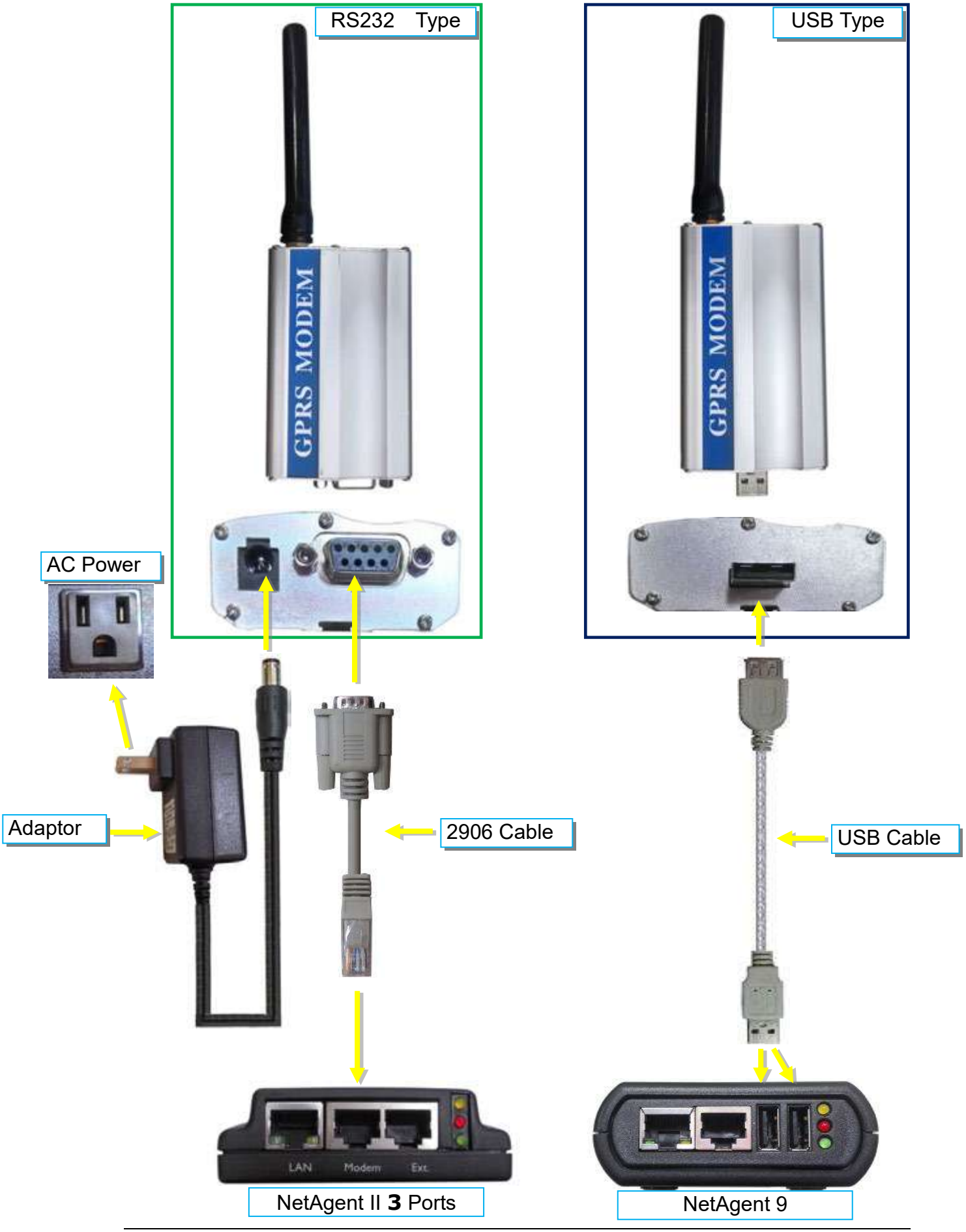
☐ Modem Setup Procedure



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


RS232 Type
USB Type
GPRS MODEM
GPRS MODEM
AC Power
Adaptor
2906 Cable
USB Cable
LAN
Modem
Exc
NetAgent II 3 Ports
NetAgent 9

- SMS Modem Settings

Modem Communication Port :

Select " ttyUSB0" for USB modem connects with NetAgent 9 directly ;
Select "SMS " for modem connects with NetAgent II 3 Ports

SMS Communication :

Select between GPRS or CDMA

SIM Card PIN :

If PIN is required for the SIM card, please enter

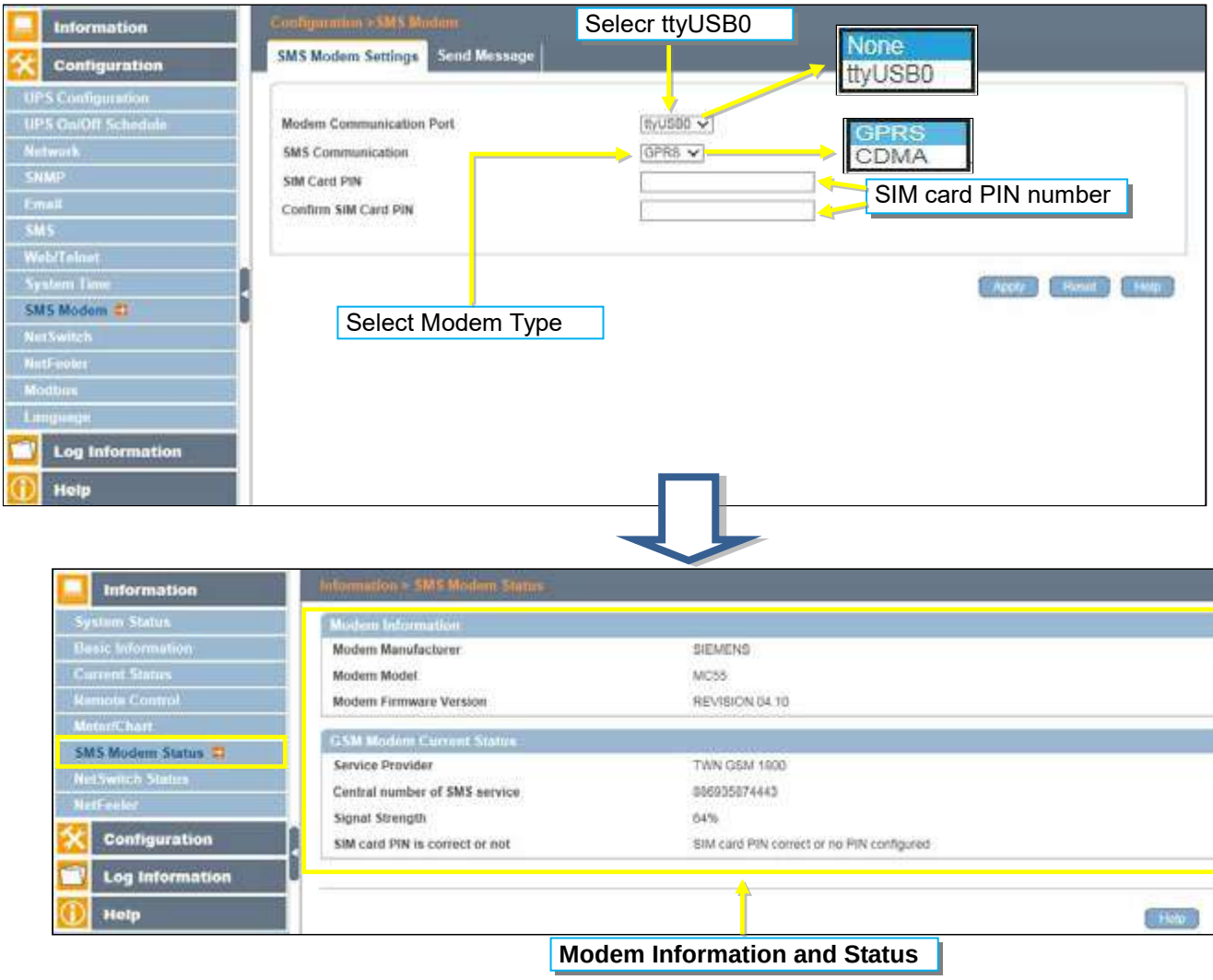
Confirm SIM PIN :

Retype SIM card PIN

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

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

NetAgent 9 W/USB



- Send Message

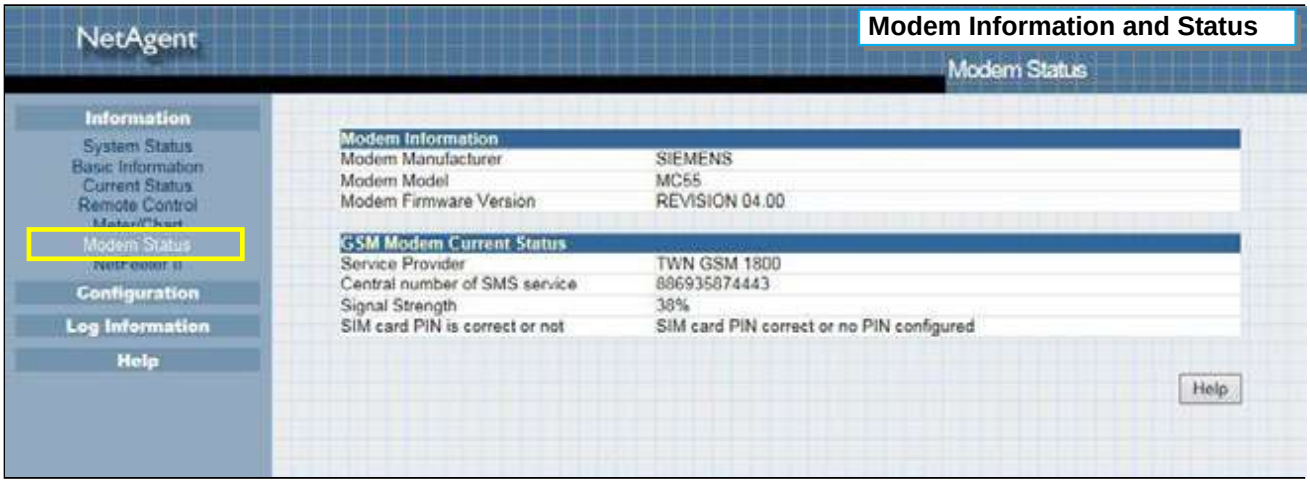
Cellular Phone number：

Enter mobile number

SMS Content(Max.70 Characters)：

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

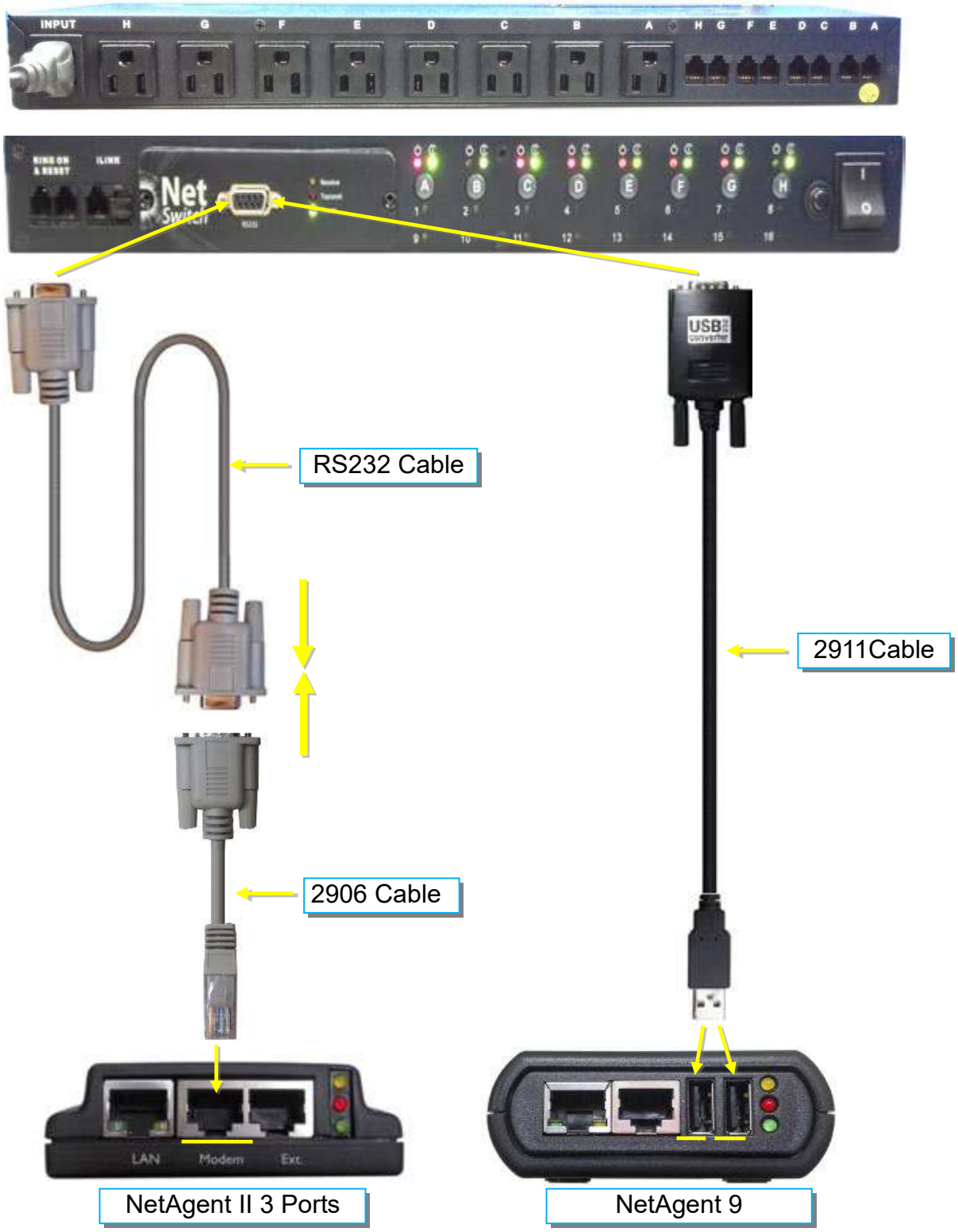



NetAgent
Modem Information and Status
Modem Status
Information
System Status
Basic Information
Current Status
Remote Control
Modem Status
Configuration
Log Information
Help
Modem Information
Modem Manufacturer
SIEMENS
Modem Model
MC55
Modem Firmware Version
REVISION 04.00
GSM Modem Current Status
Service 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
Help

■ Configuration > NetSwitch

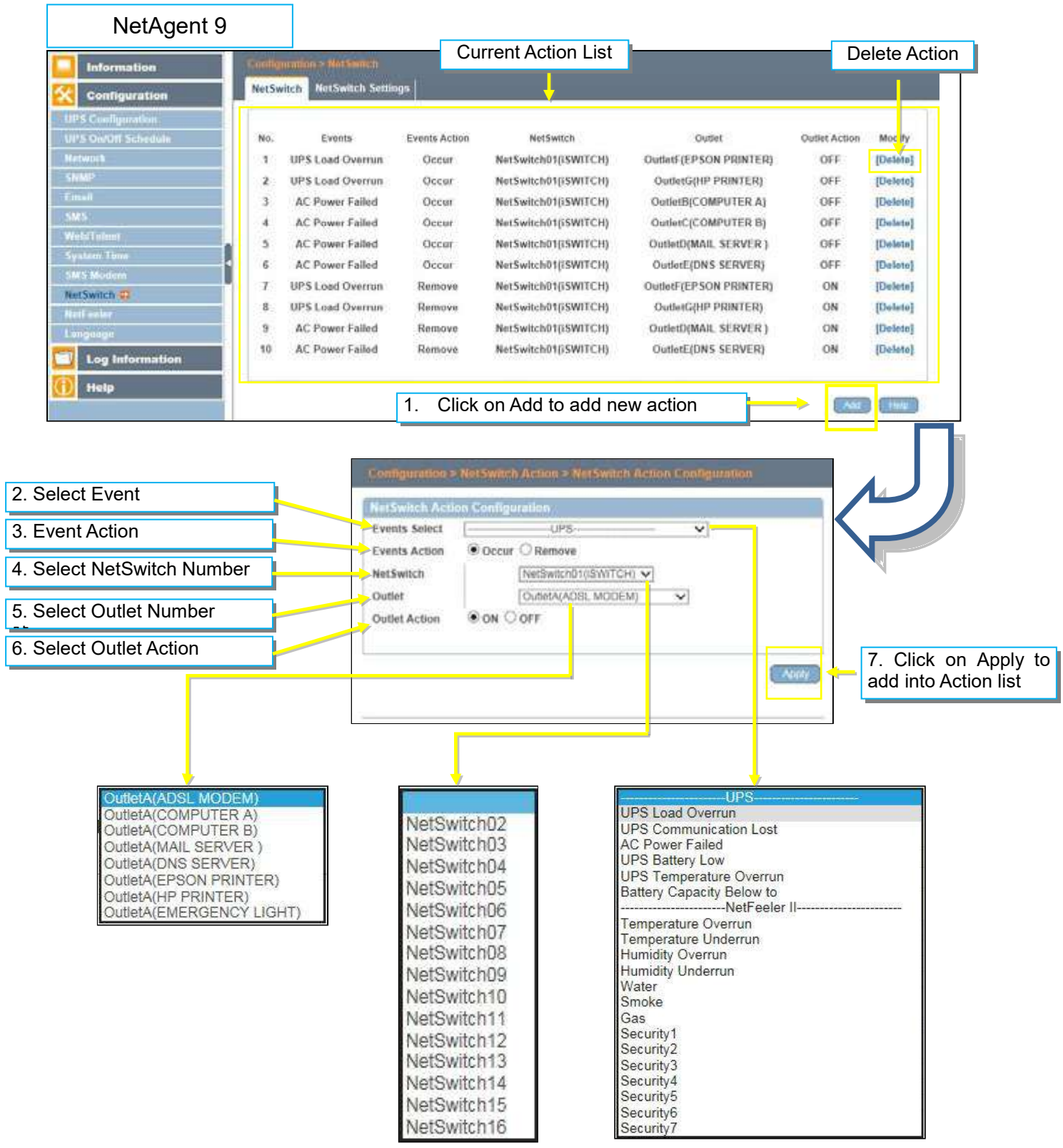
NetAgent 3 Ports (BT model) or NetAgent 9 (BX/BY model) can also connect with our NetSwitch for remote power managment

☐ NetSwitch Installation

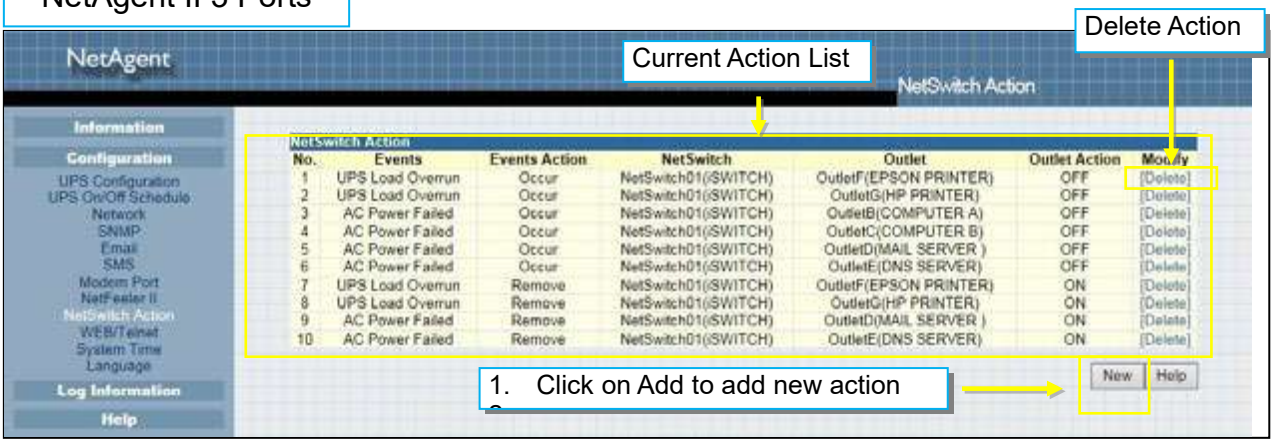


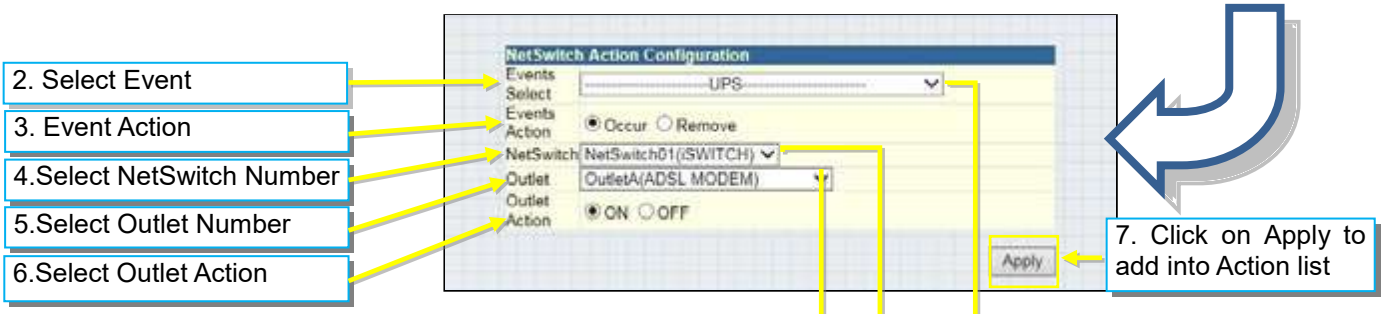
- NetSwitch

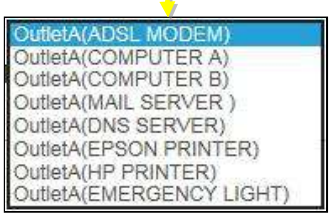
When NetAgent BT/BX/BY connects with NetSwitch, it able to perform action to the specific outlet when event or alarm triggers



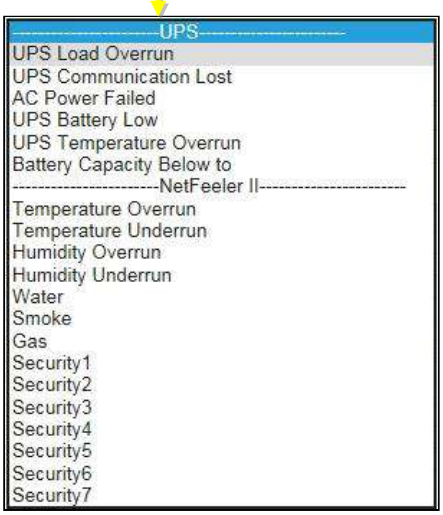
NetAgent II 3 Ports











- 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)

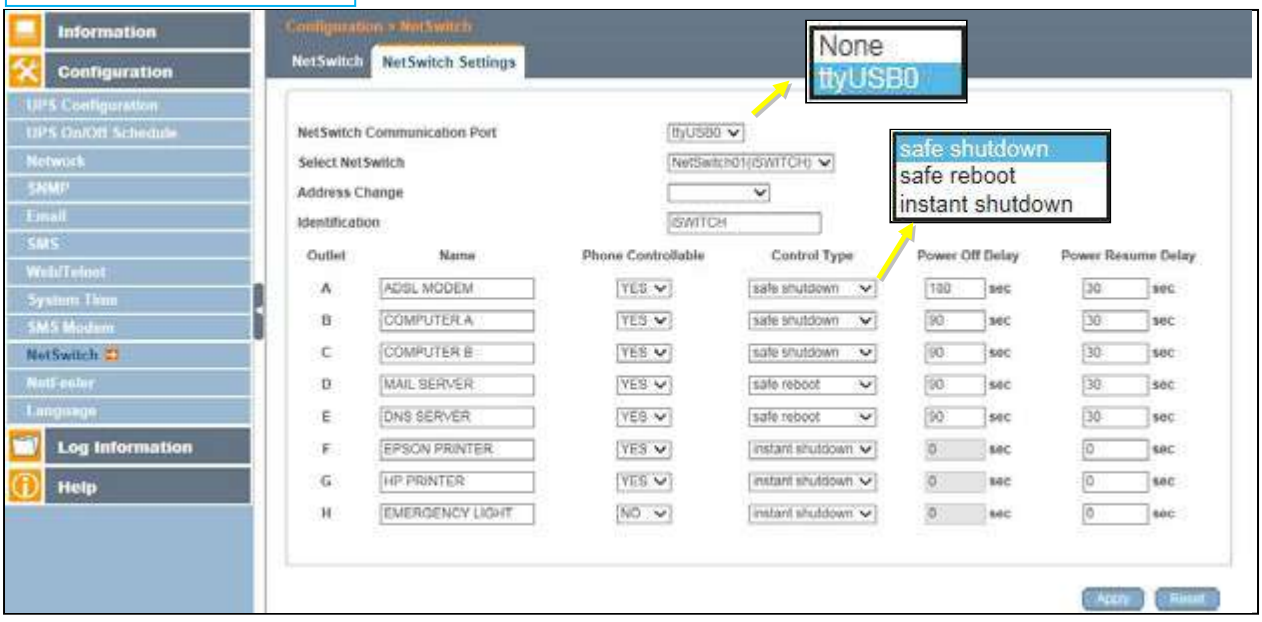
Power Off Delay：

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

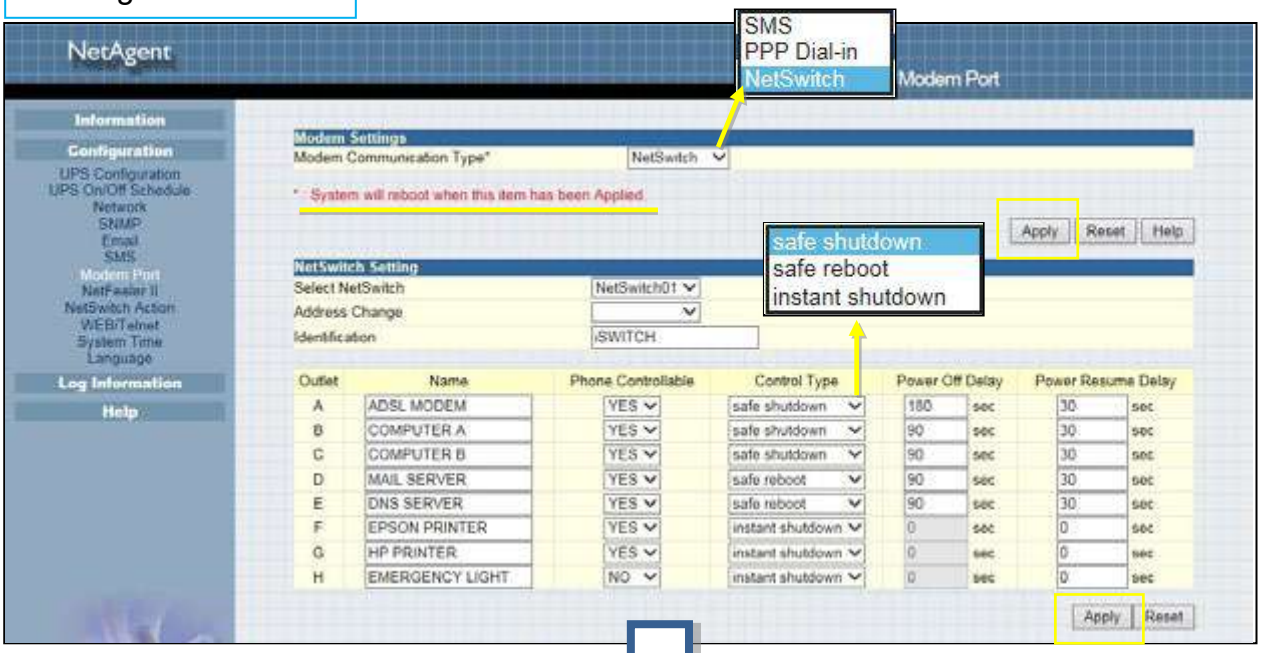
Power Resume Daly：

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

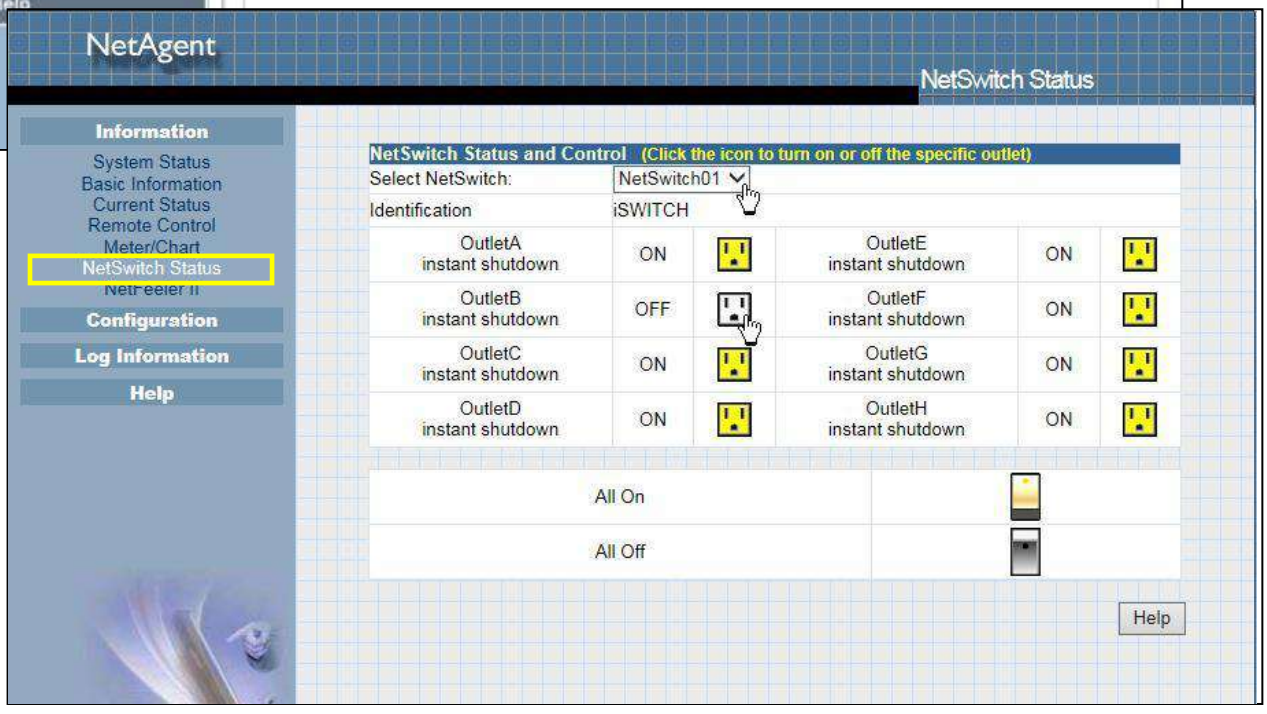
NetAgent 9



NetAgent II 3 Ports



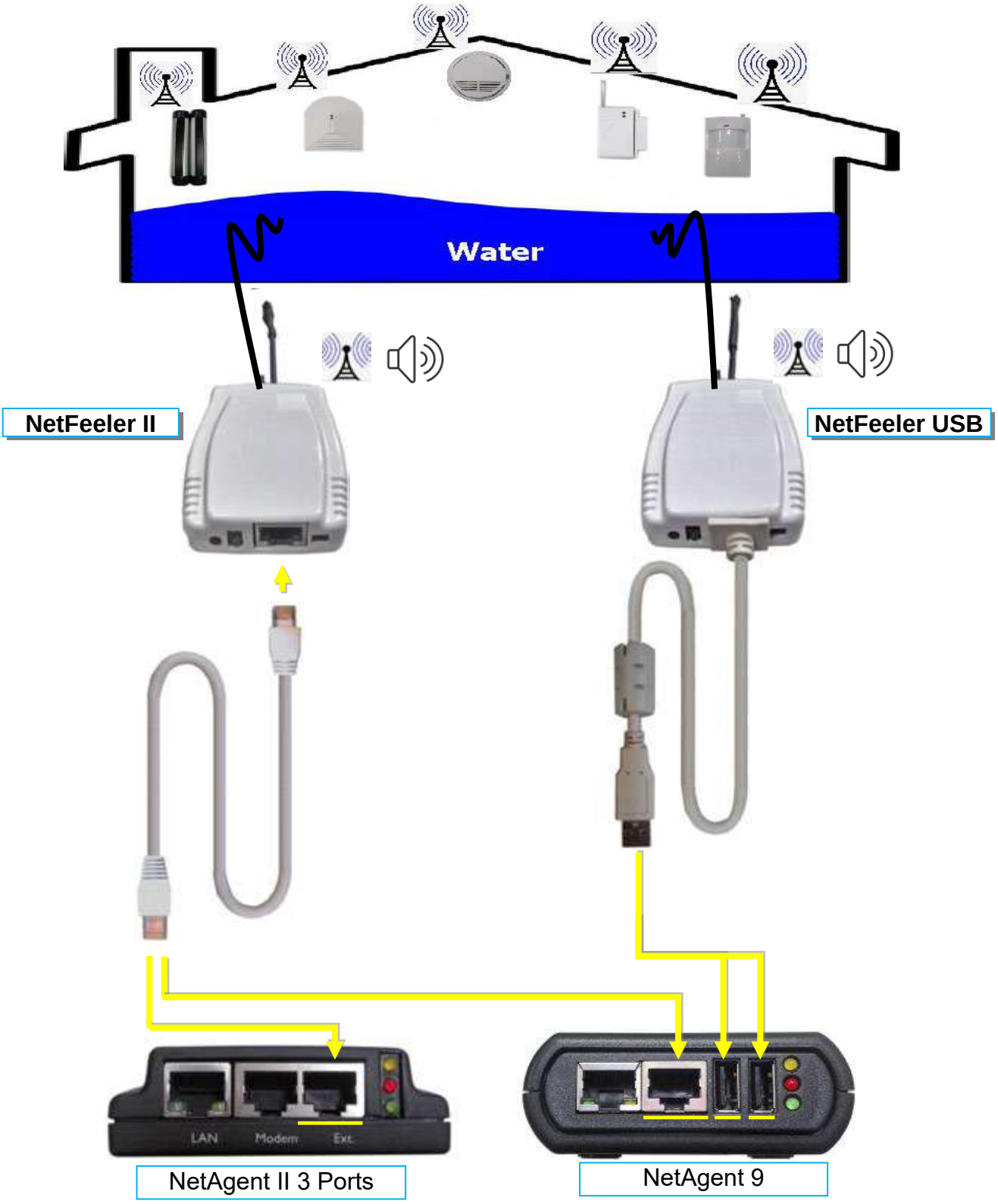




■ Configuration > NetFeeler

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 :

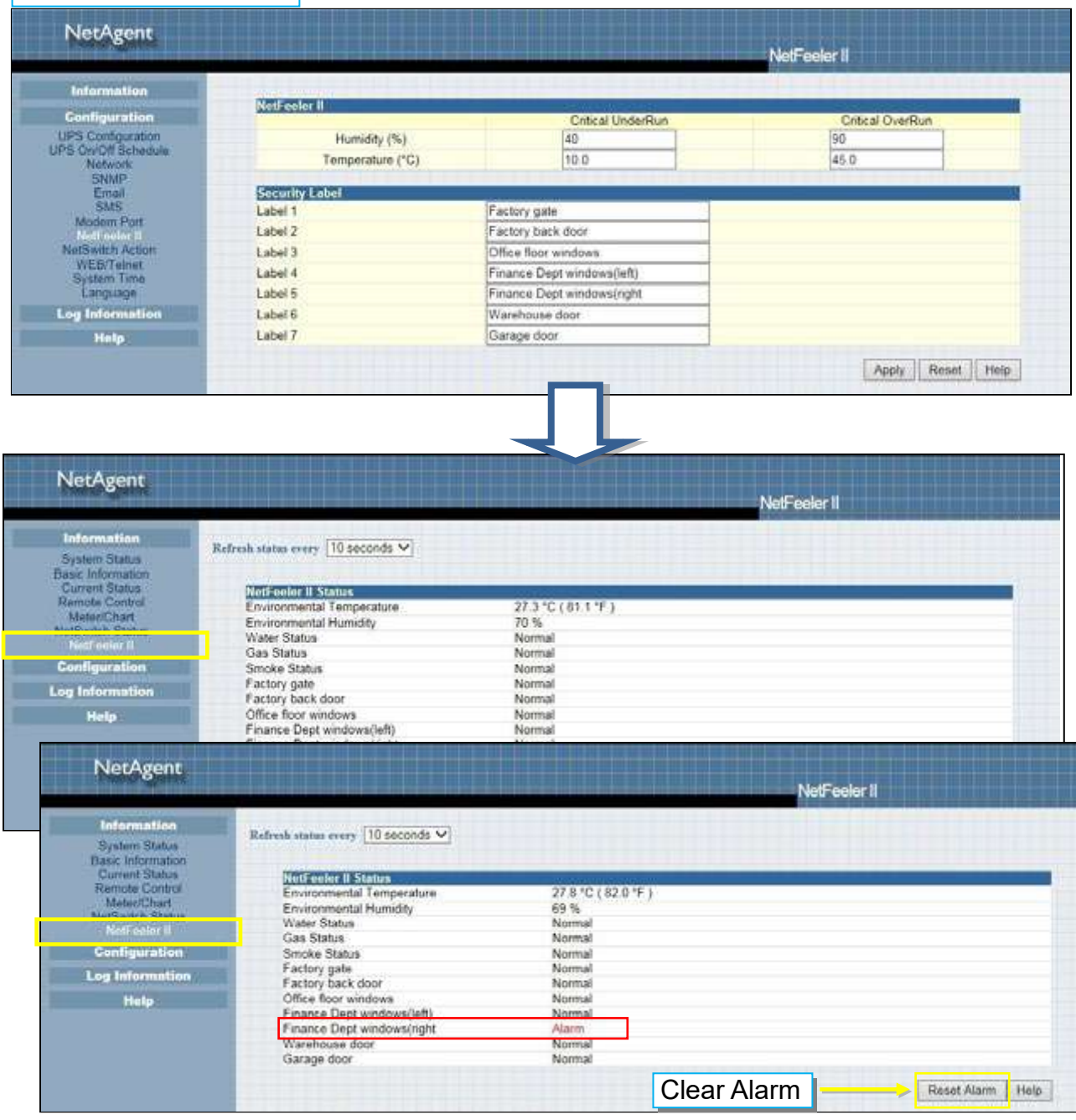
To set the lowest and highest critical values for temperature and humidity. NetFeeler II will send a warning message when it detects temperature or humidity values below and above these settings.

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 II 3 Ports

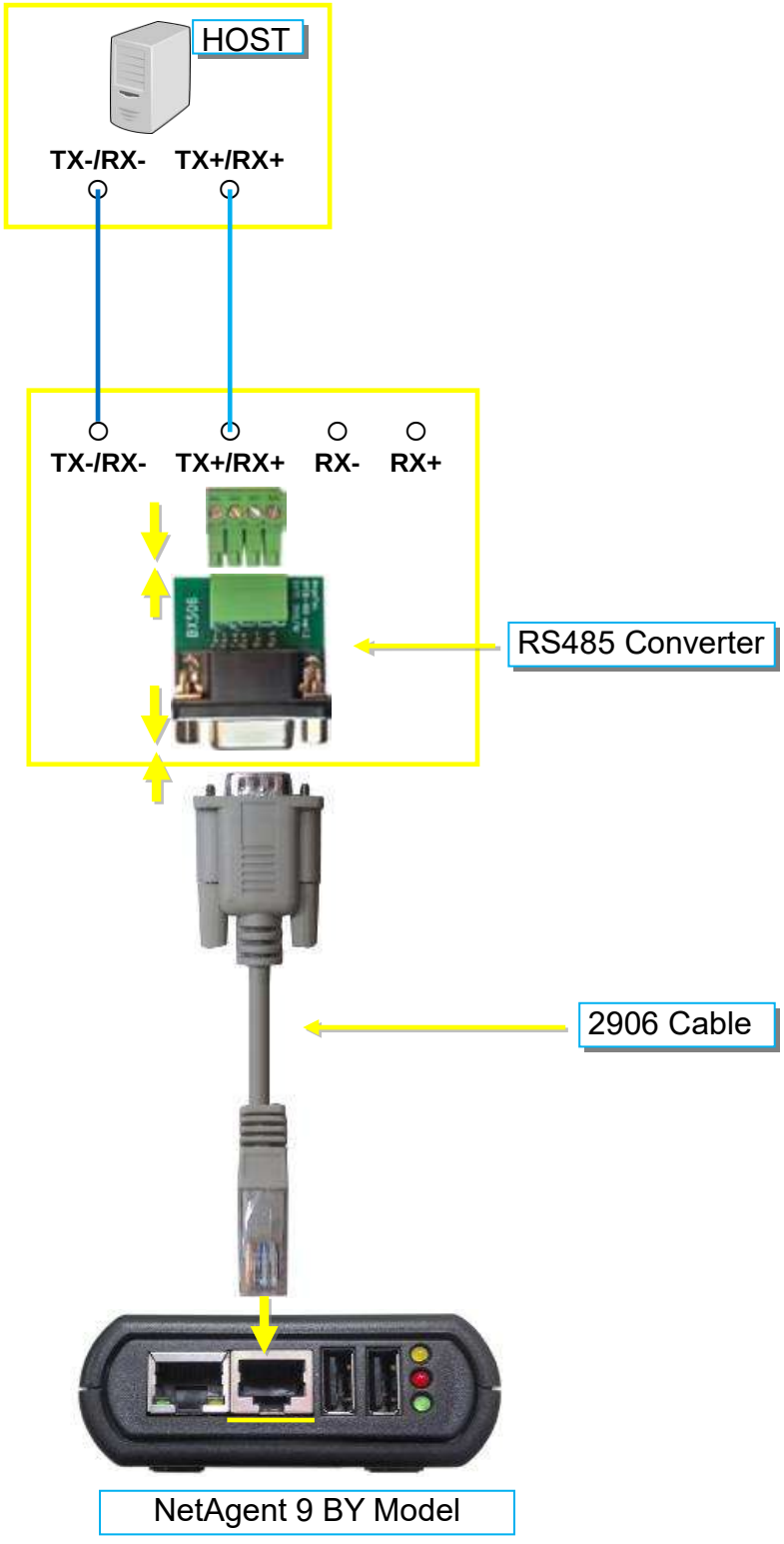


■ Configuration > MODBUS

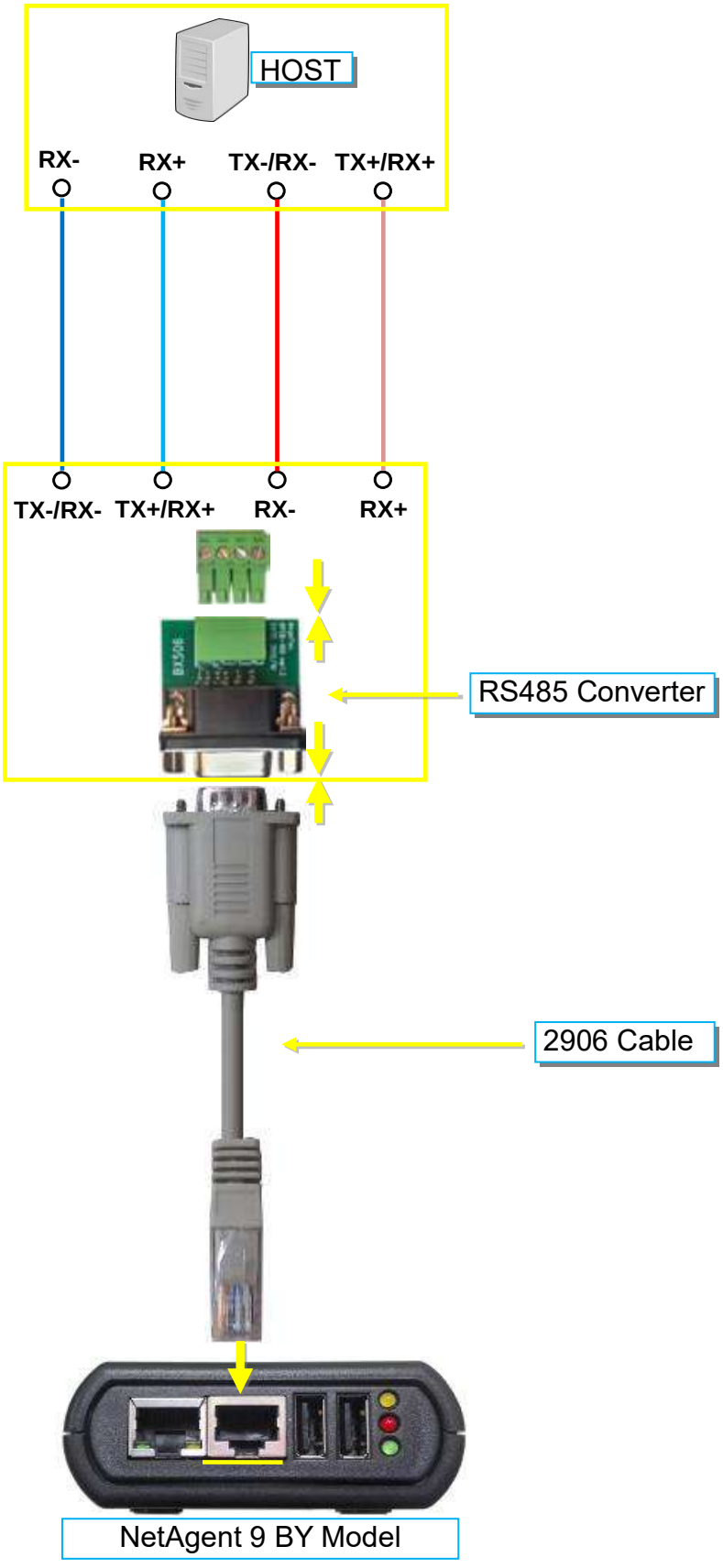
NetAgent supports Modbus on TCP/IP. And NetAgent 9 BY model also supports ModBus on RS485. Through Ethernet and serial communication, it may read multi UPS's data.

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 when using Modbus on TCP communication

Modbus on RS485

Transmisson 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：

Date bits of 8 bits / 7 bits

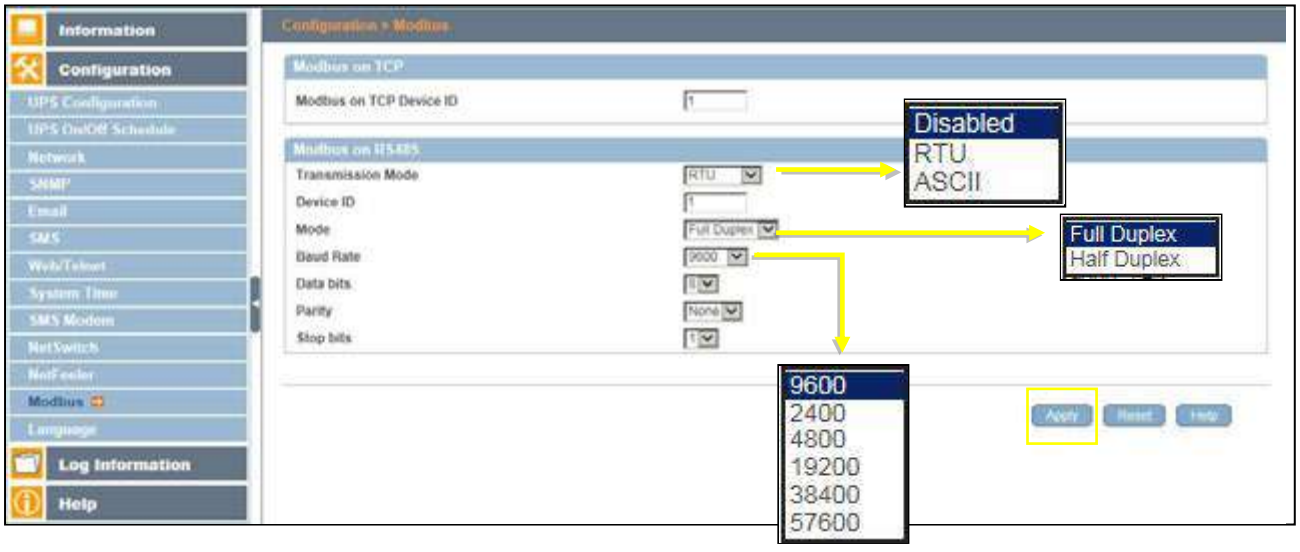
Parity：

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

NetAgent 9 Mini & NetAgent 9



■ Log Information > Event Log

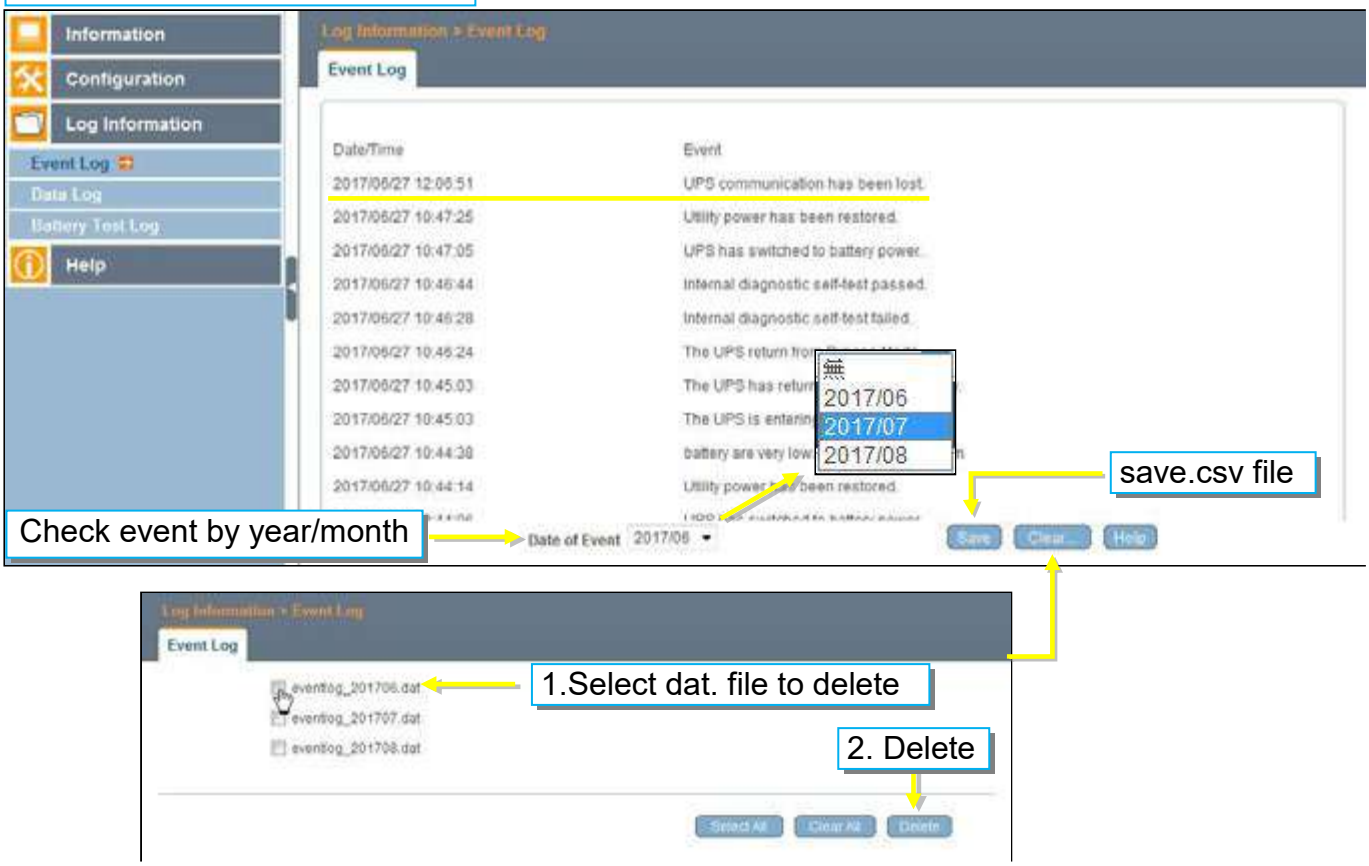
It shows record of all events, giving the Date/Time of the event and a detailed description of each. Log capacity is 1000 logs. When reach to the limit, it rewrites on the previous logs. Log can be save as csv file.

csv file name as below

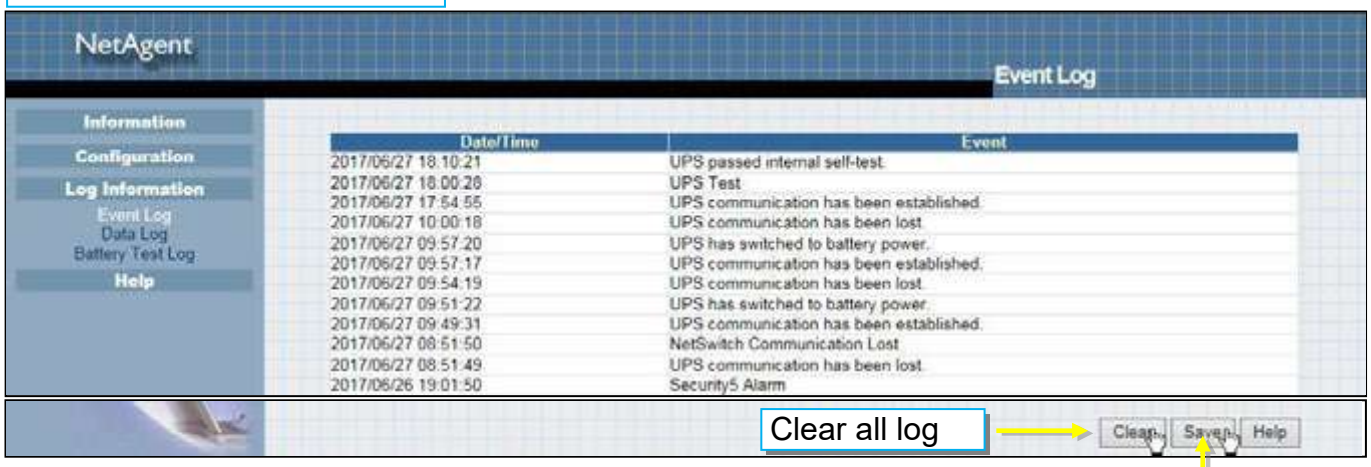
NetAgent 9 ➔ eventlog_year/month.csv，e.g.:eventlog_201706

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

NetAgent 9 Mini & NetAgent 9



NetAgent Mini & NetAgent II



■ Log Information > SMS Log

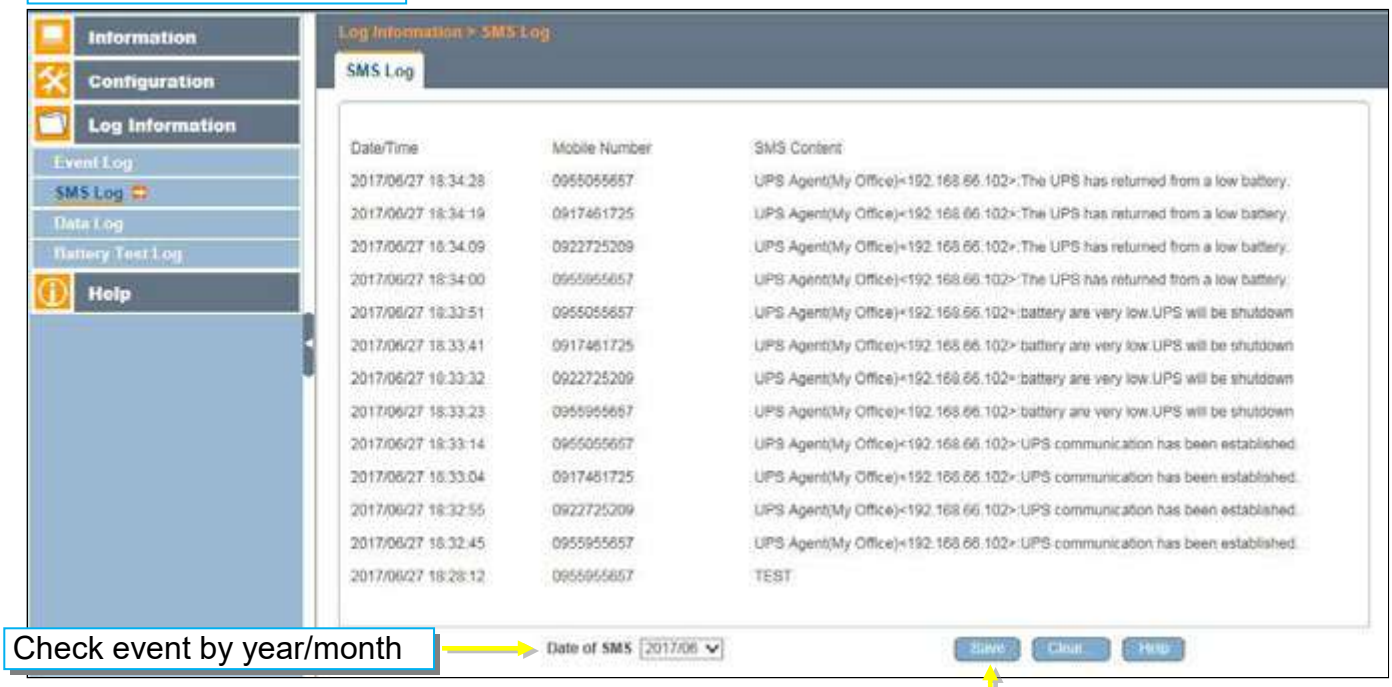
It shows SMS record of all mobile number, giving the Date/Time of the SMS sent and a detailed description of each. Log capacity is 1000 logs. When reach to the limit, it rewrites on the previous logs.

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

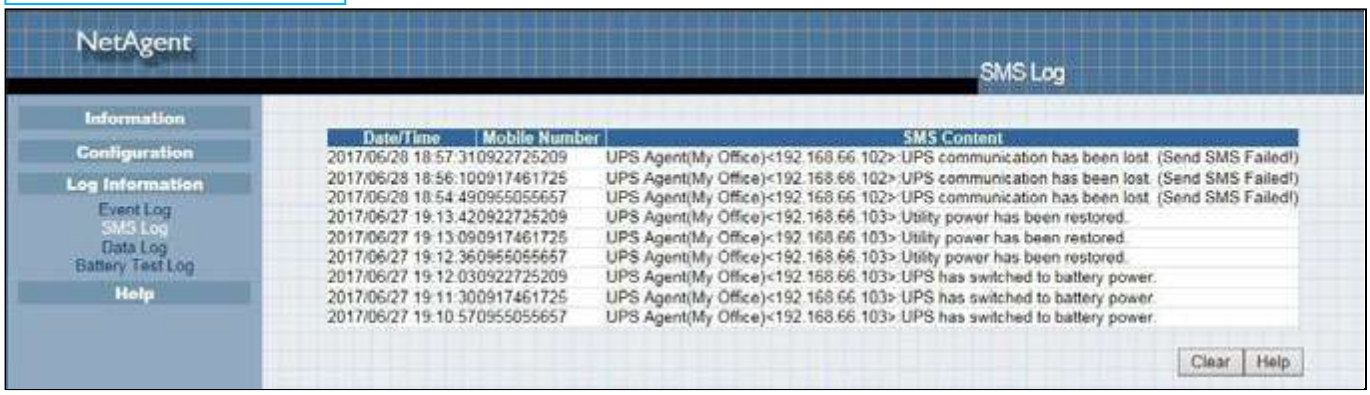
csv file as below

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

NetAgent 9



NetAgent II 3PORTS



■ Log Information > Data Log

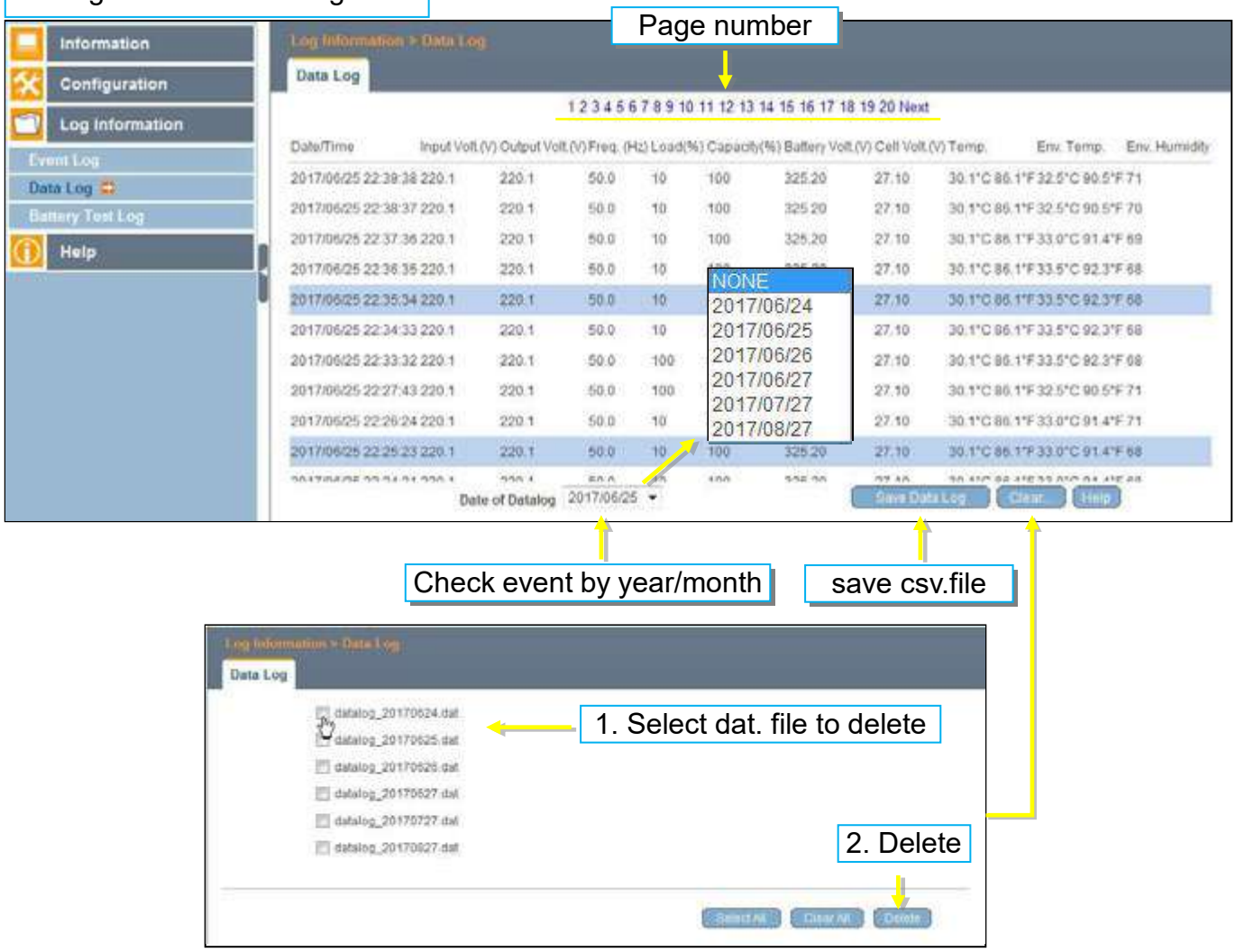
It records UPS Input Voltage/Output Voltage/ Frequency/ Loading/Capacity/ Temperature. When connects with NetFeeler, temperature, humidity will also be recorded. Log capacity is 5000 logs. When reach to the limit, it rewrites on the previous logs. Logs can be saved in CSV format by clicking on “Save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



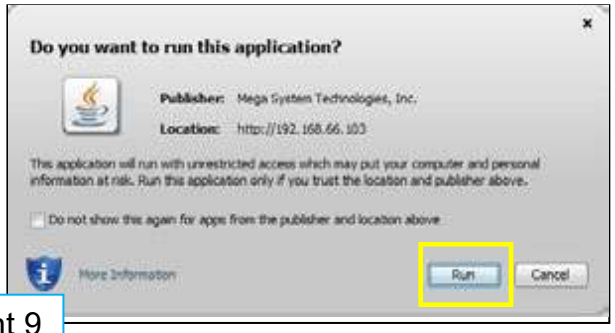
NetAgent Mini & NetAgent II



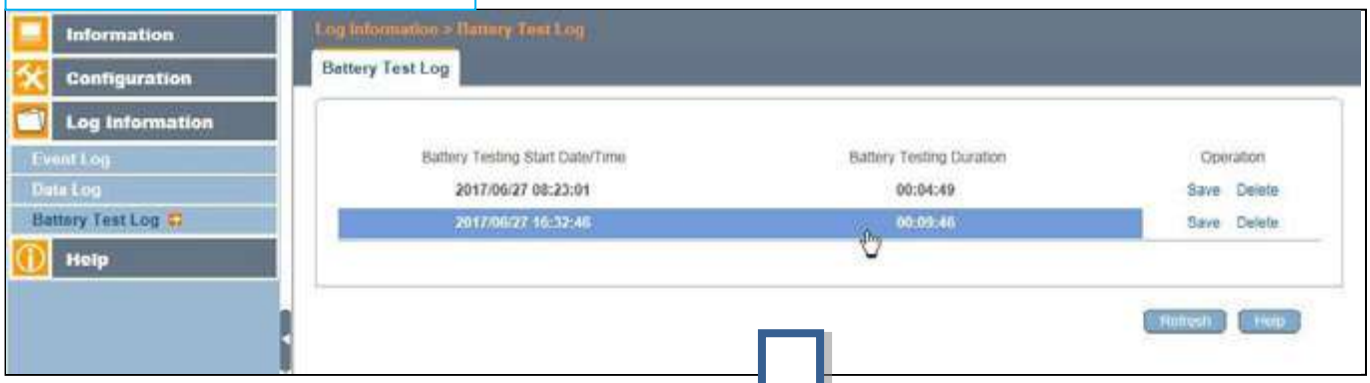
Date/Time	Input Volt.	Output Volt.	Freq. (Hz)	Load	Capacity	Temp.	Env. Temp.	Env. Humidity
2017/06/27 19:30:00	220.1	220.1	50.0	10	100	30.1°C 86.1°F	26.4°C 79.5°F	5
2017/06/27 19:29:00	220.1	220.1	50.0	10	100	30.1°C 86.1°F	26.4°C 79.5°F	5
2017/06/27 19:27:59	220.1	220.1	50.0	10	100	30.1°C 86.1°F	25.9°C 78.6°F	6
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	6
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	5
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	5
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	5
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	5

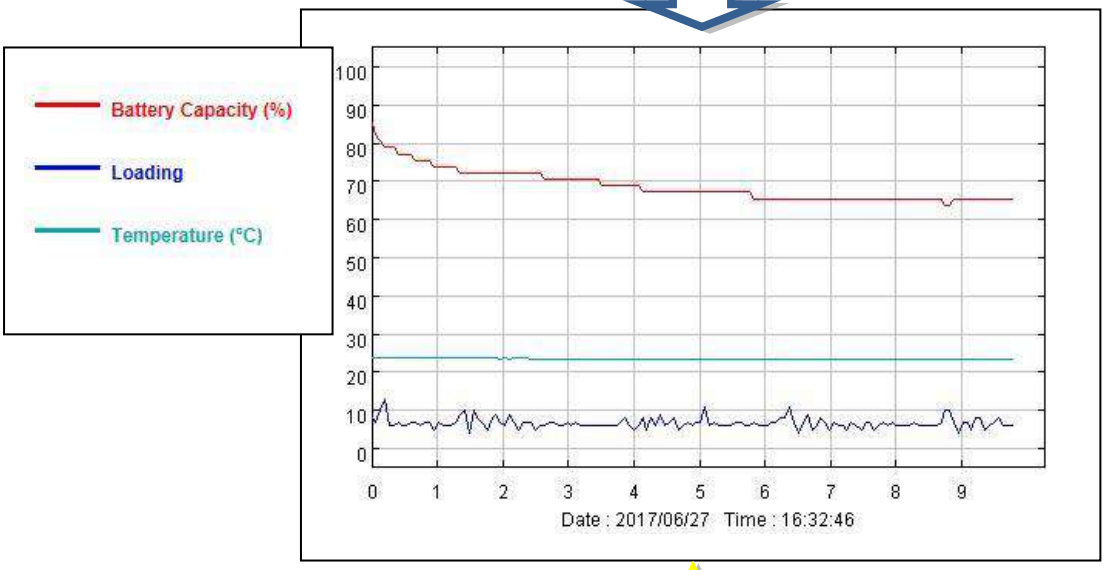
■ Log Information > Battery Test Log

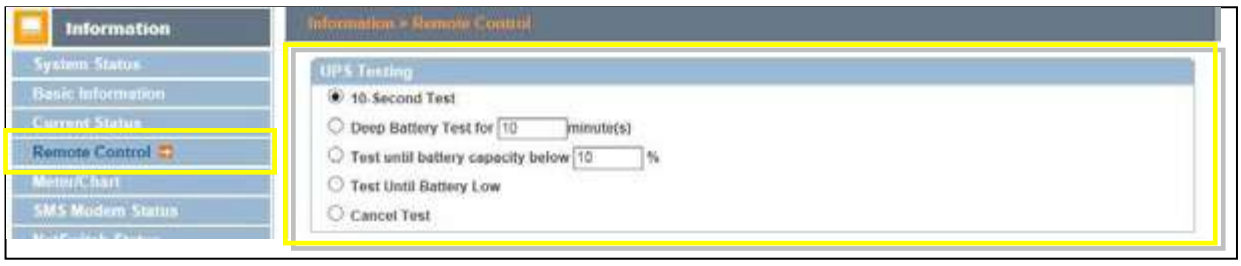
To record the UPS Self-Test and it shows in graphic. UPS Self-Test option is available under System Information > Remote Contro.



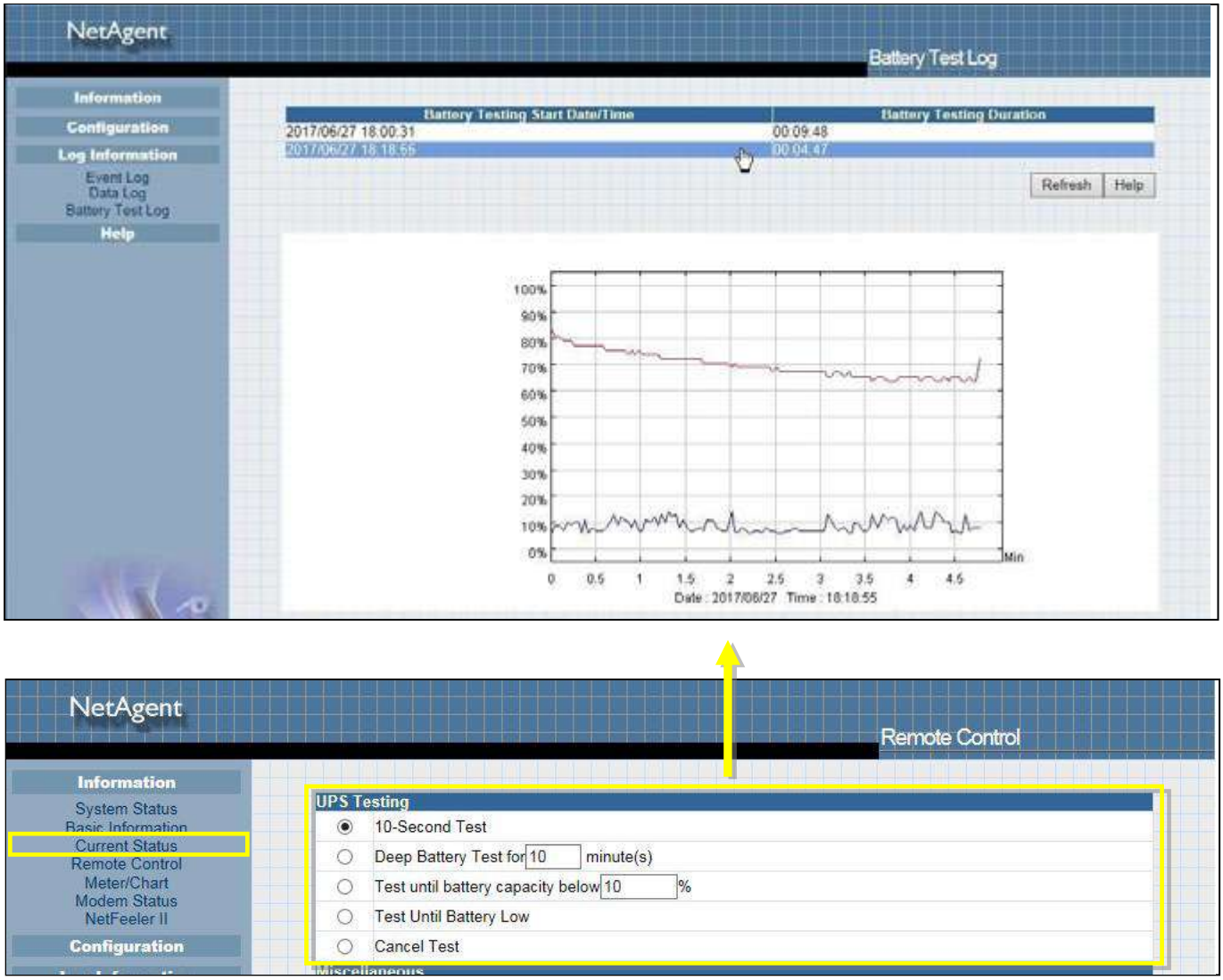
NetAgent 9 Mini & NetAgent 9







NetAgent Mini & NetAgent II



■ 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



NetAgent Mini & NetAgent II



■ 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

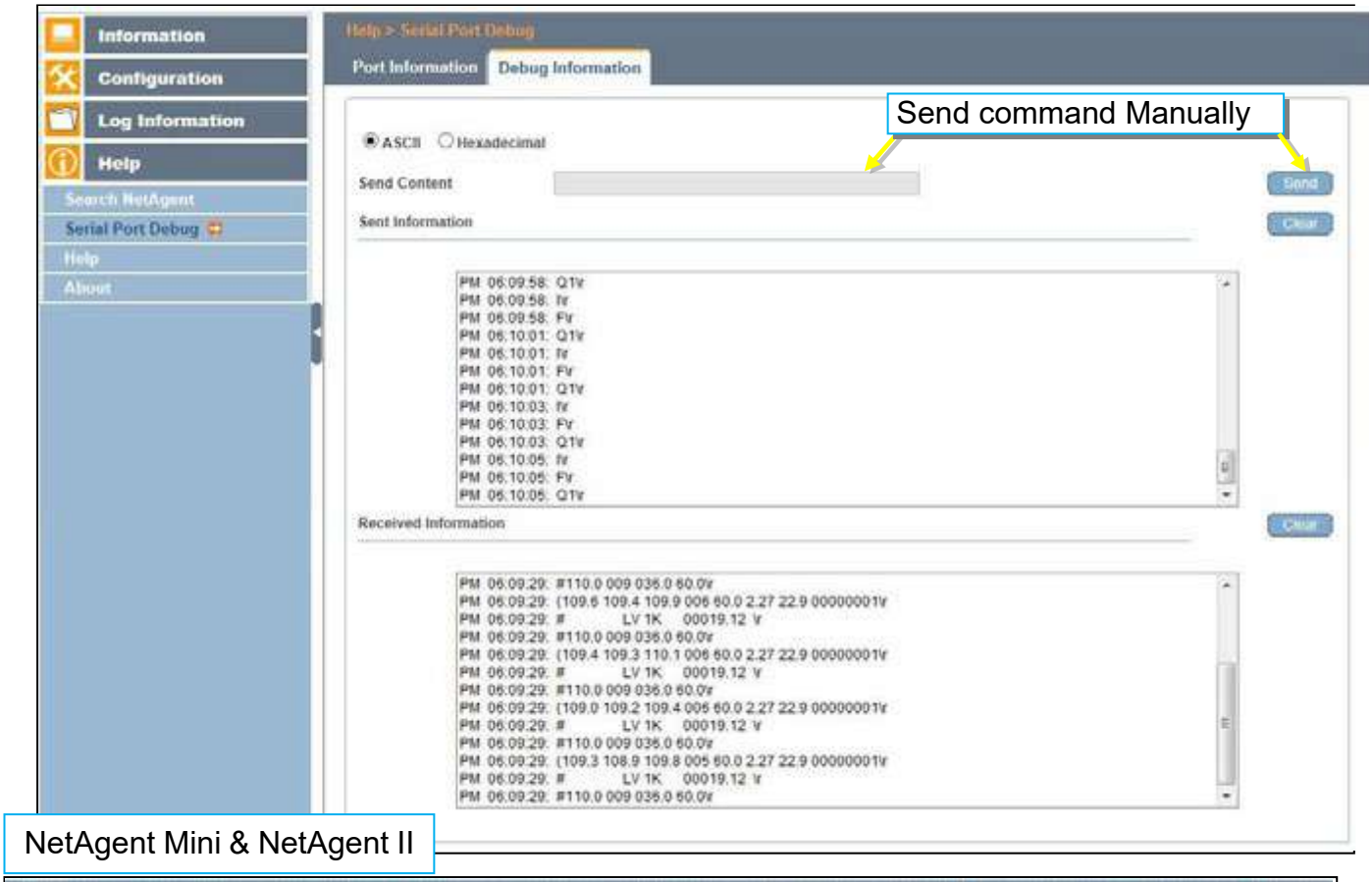
Received Information

This display the response that NetAgent receives from UPS

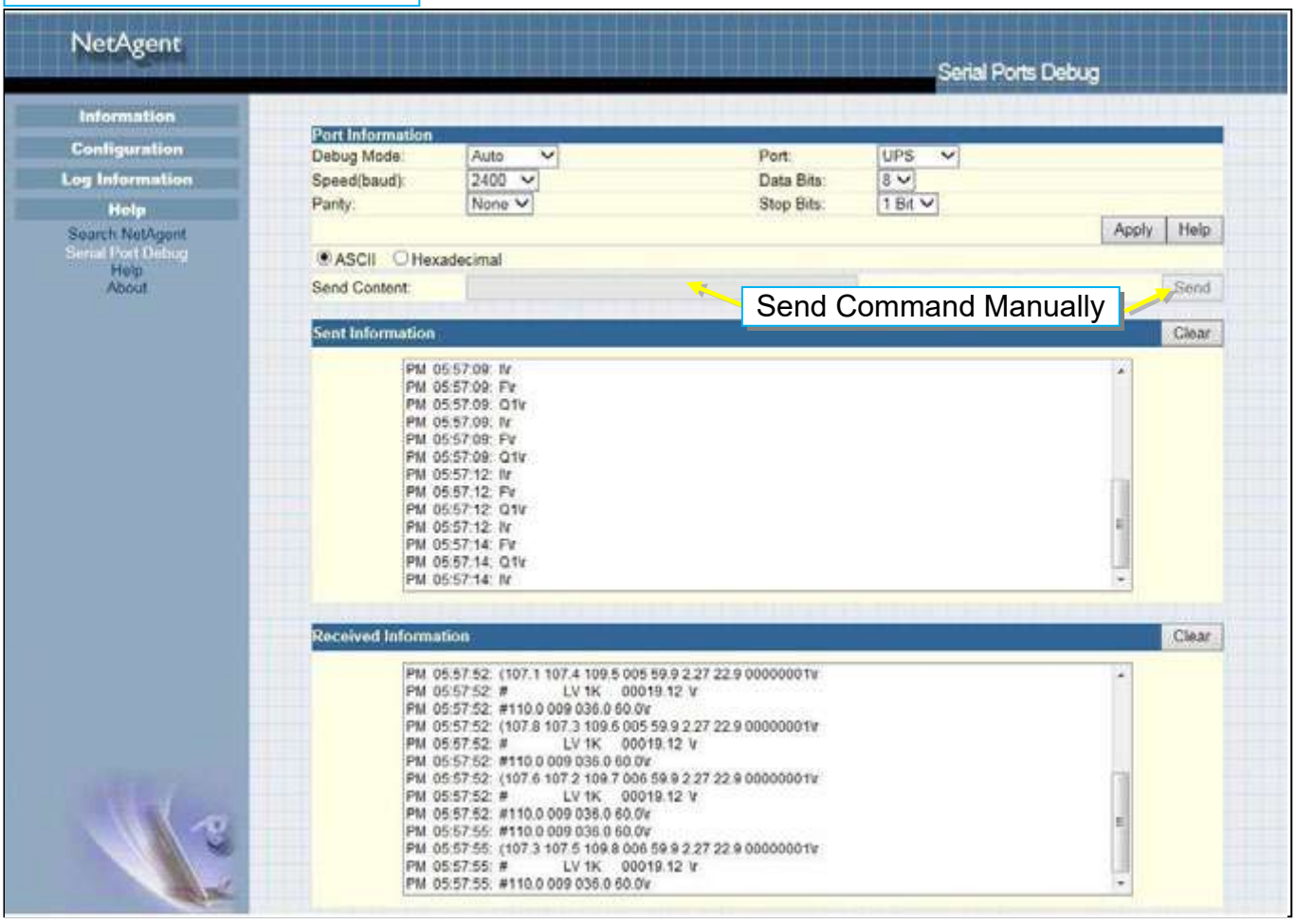


NetAgent 9 Mini & NetAgent 9





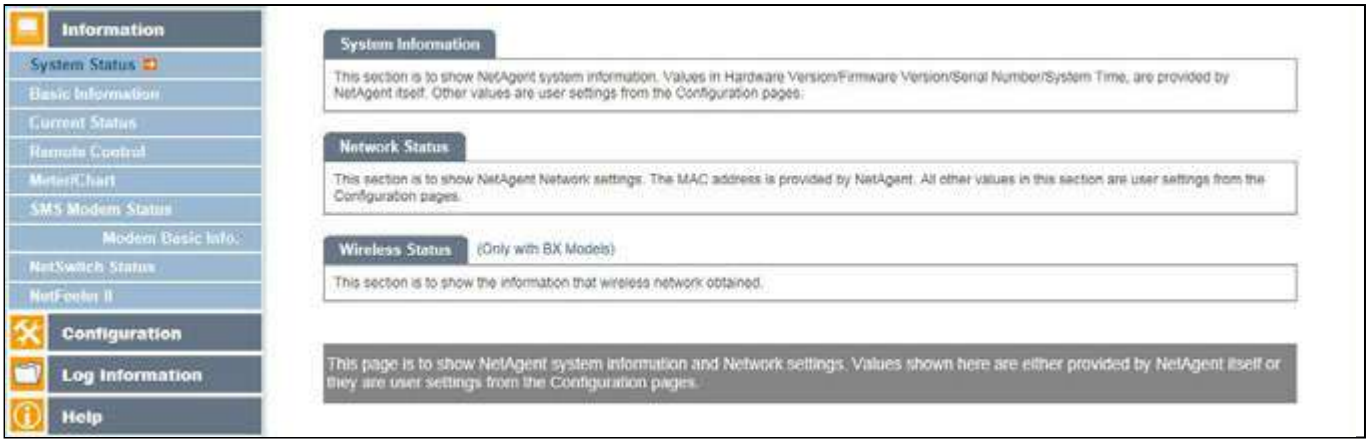
NetAgent Mini & NetAgent II



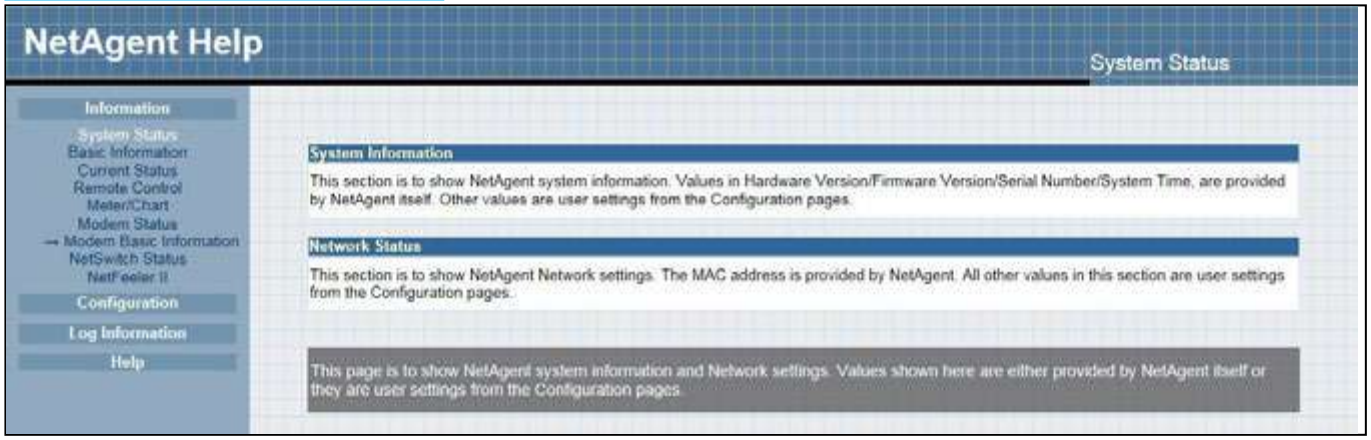
- **Help > Help**

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

NetAgent 9 Mini & NetAgent 9



NetAgent Mini & NetAgent II



■ 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

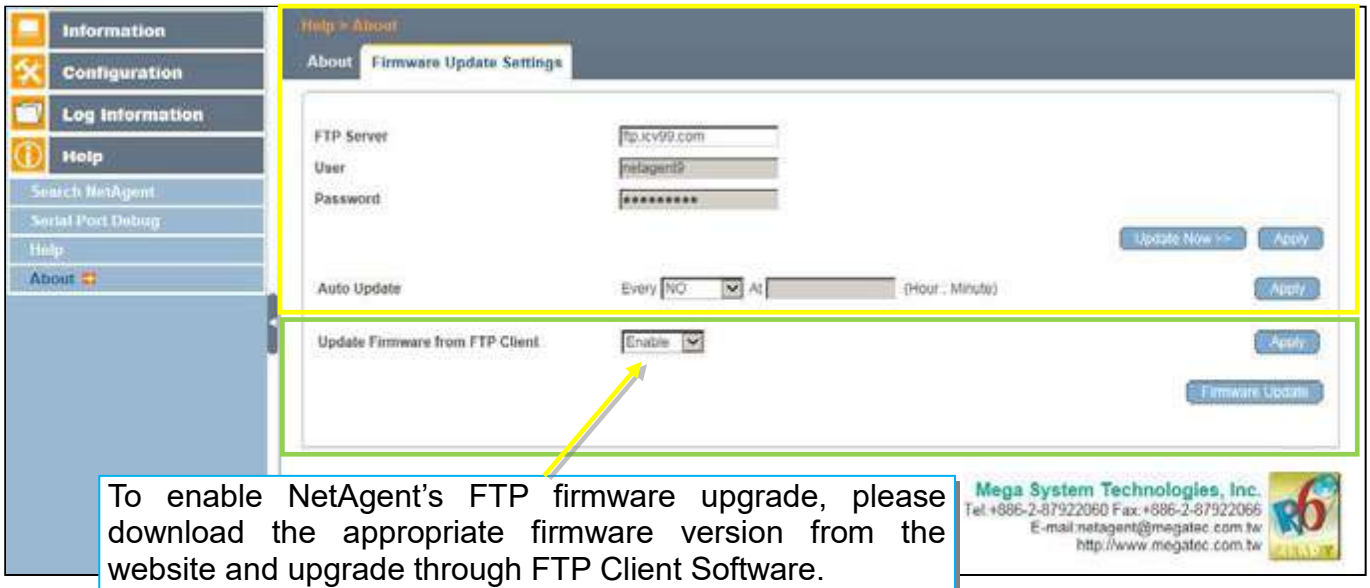
This function will reset all settings to its default value.

NetAgent 9 Mini & NetAgent 9



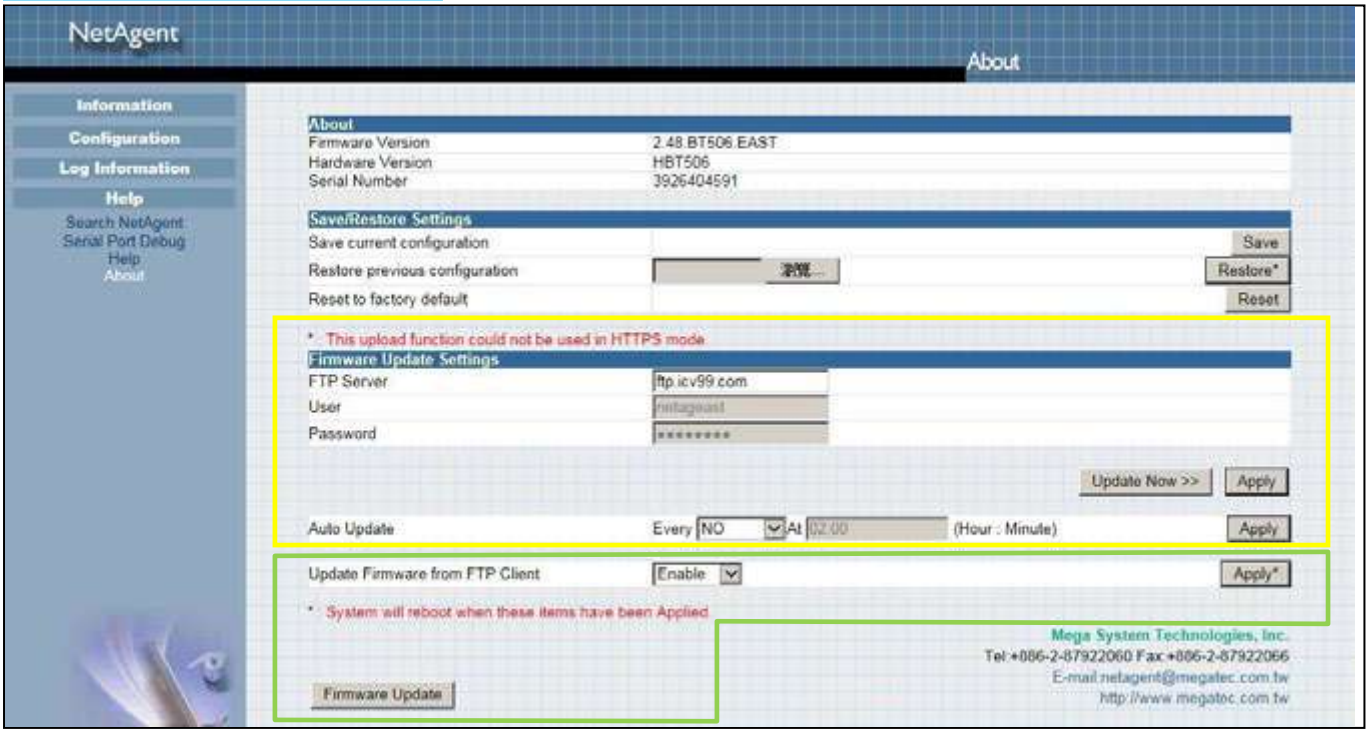
Firmware Update Settings

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



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

NetAgent Mini & NetAgent II

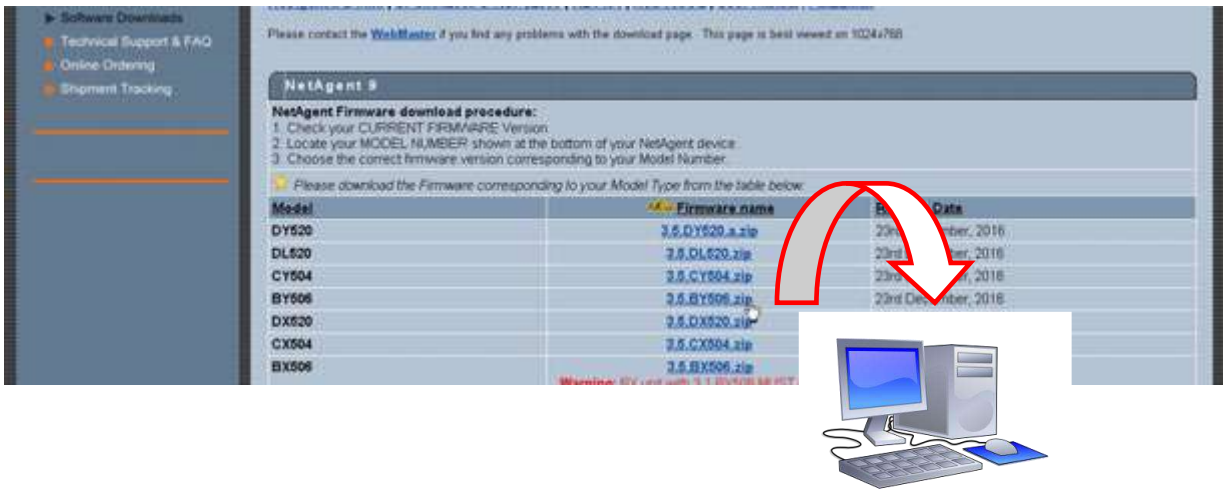


Update Firmware from FTP Client

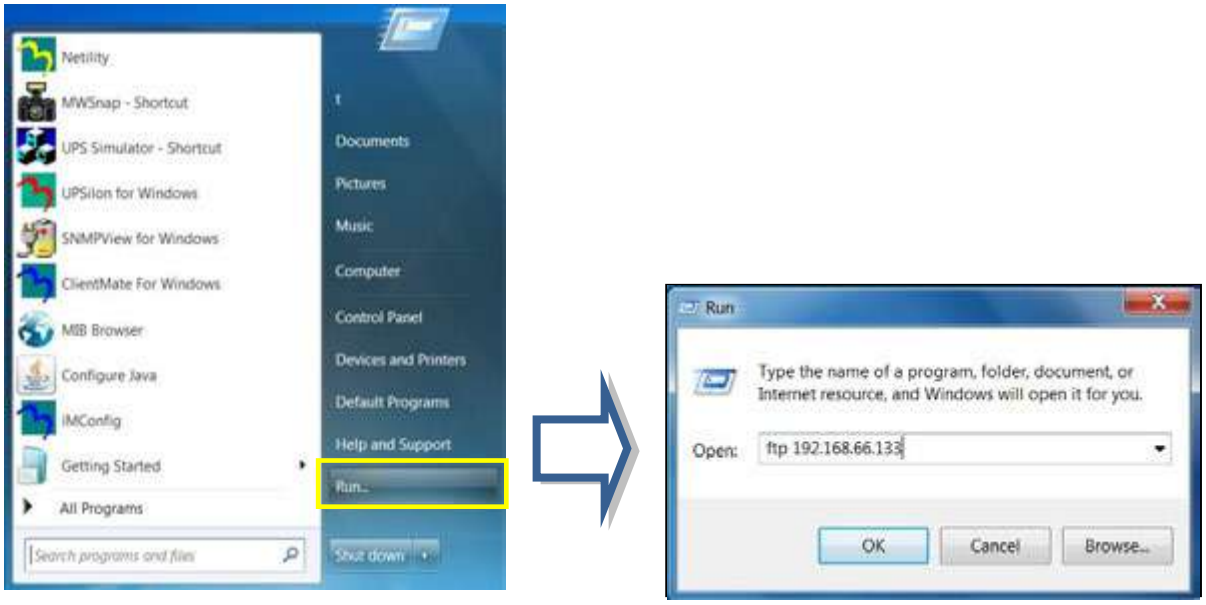
-Select on Enable

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

-Unzip the file and known the directory path



-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

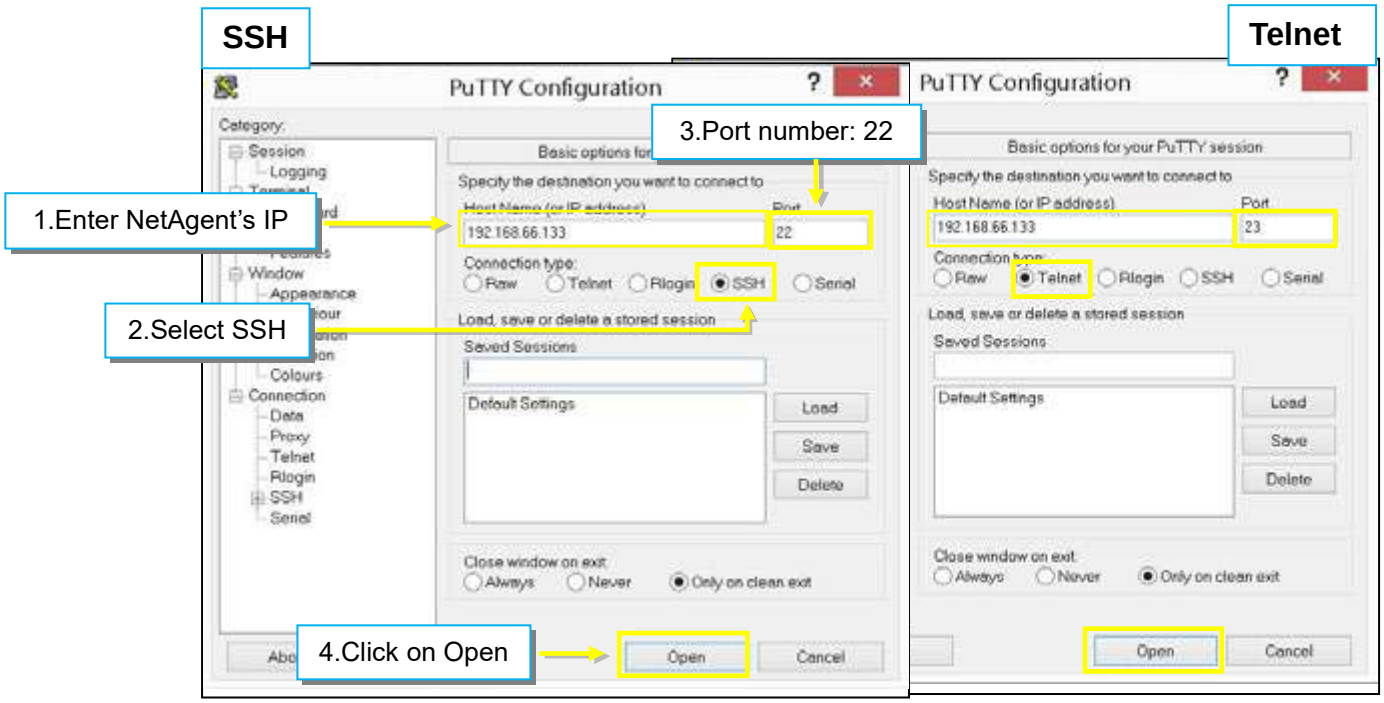
3. Enter put command with bin file directory

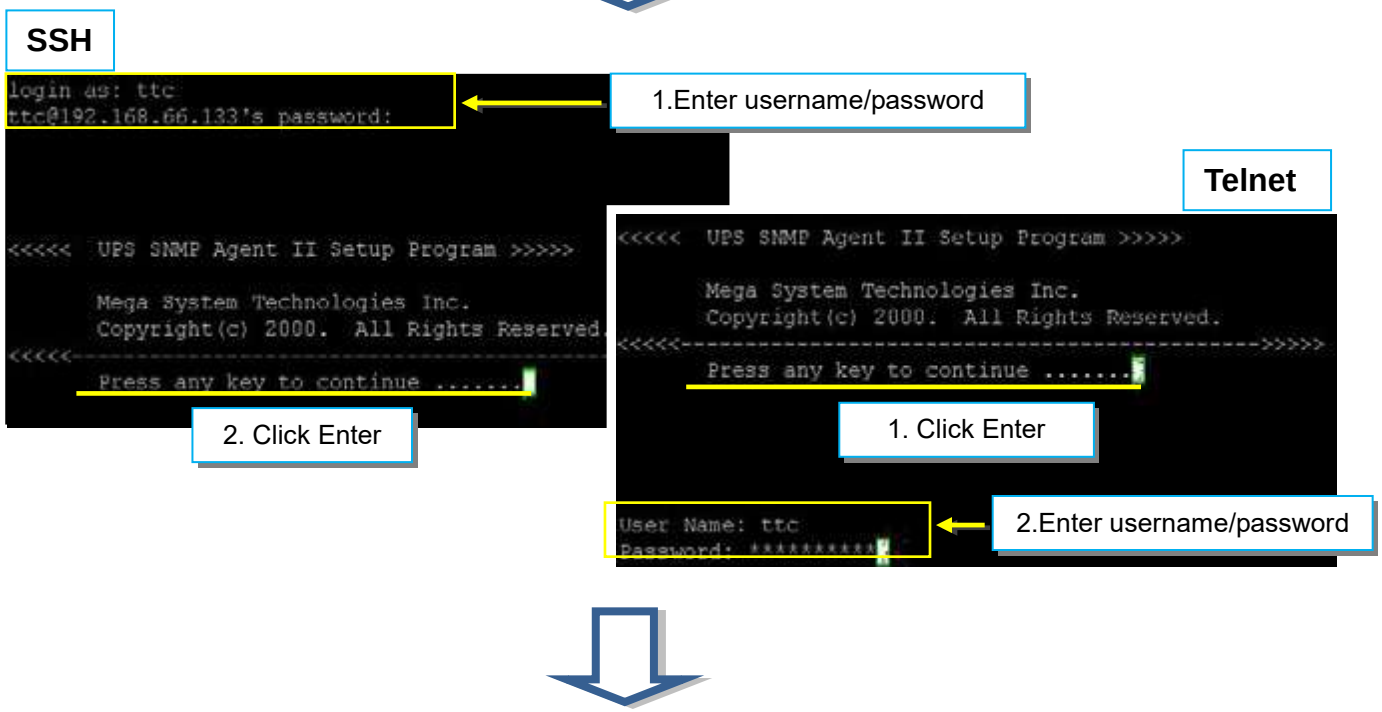
4. Once complete, enter command quit

Chapter 5. Telnet/ SSH

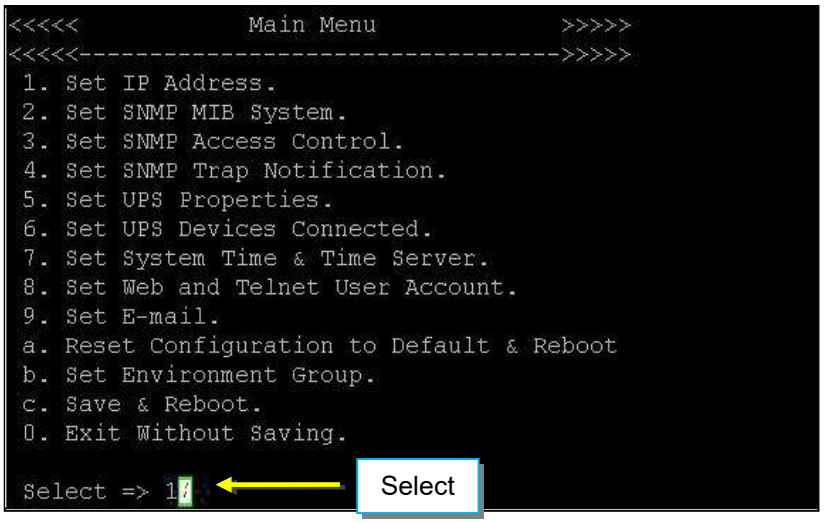
Despite to login to the NetAgent's webpage, it could also access via Telnet or SSH

- 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



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.

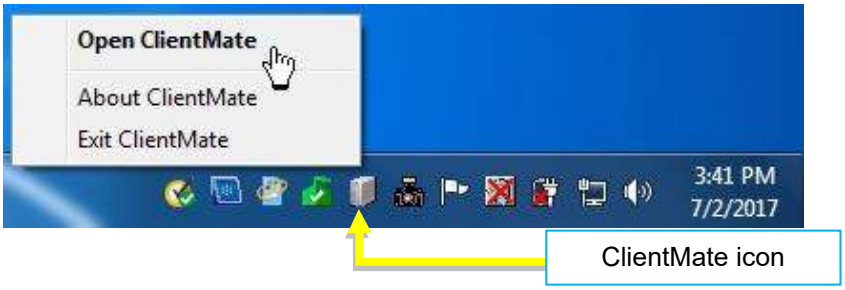


Installation and setup

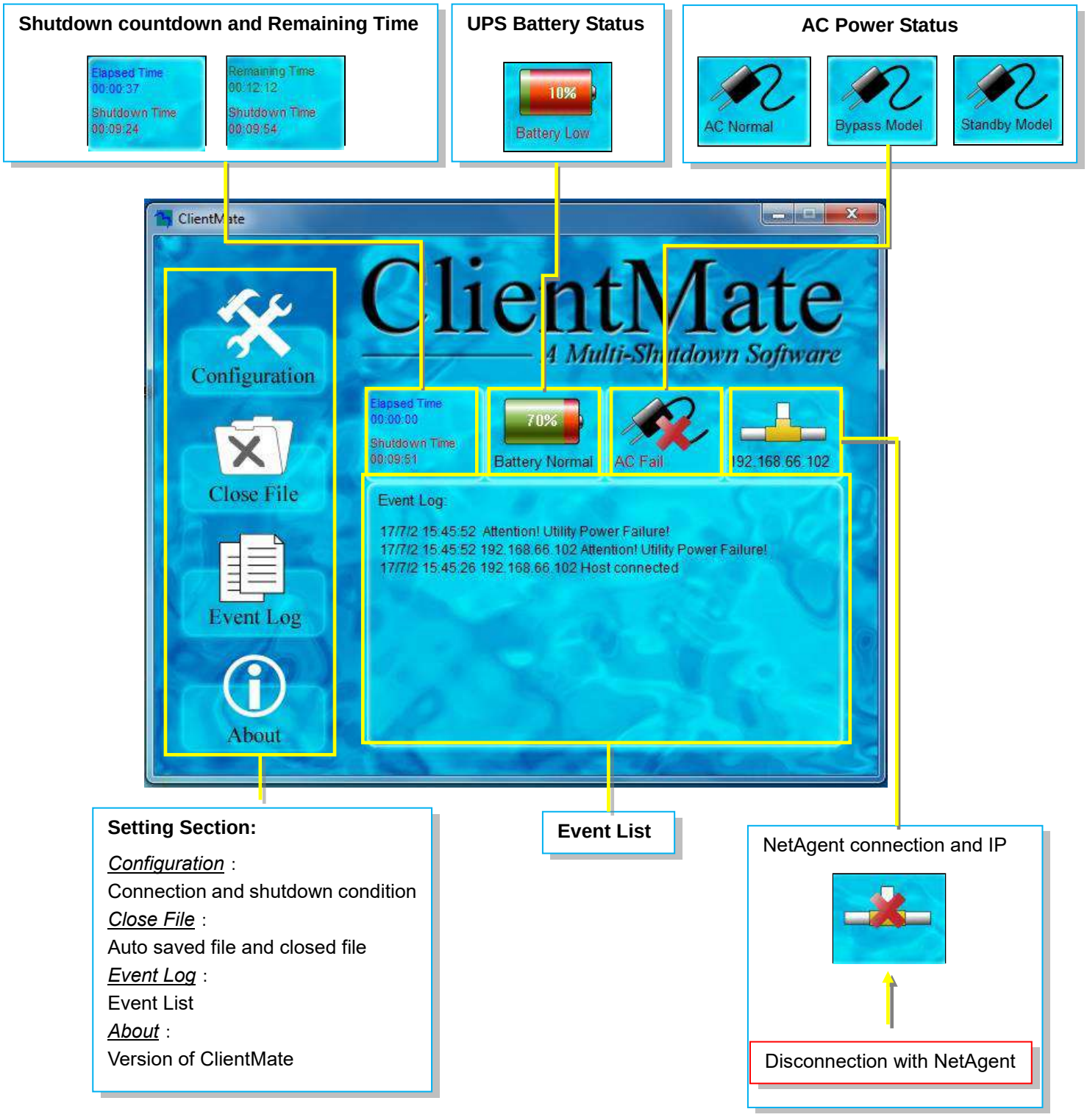
ClientMate software is available in the CD provided with NetAgent. After installed, it save under directory of

All Program >NetAgent > ClientMate > ClientMate for Windows

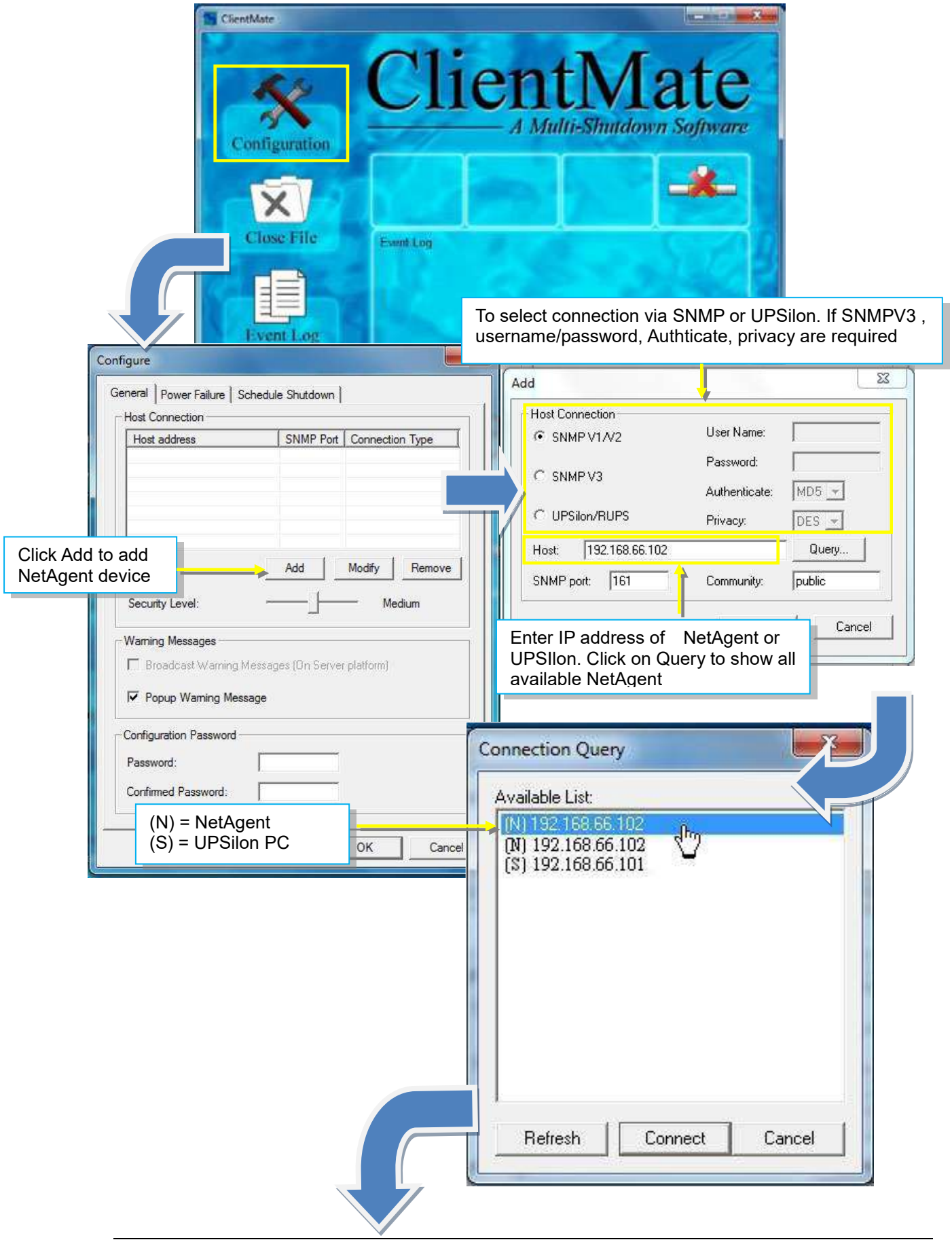


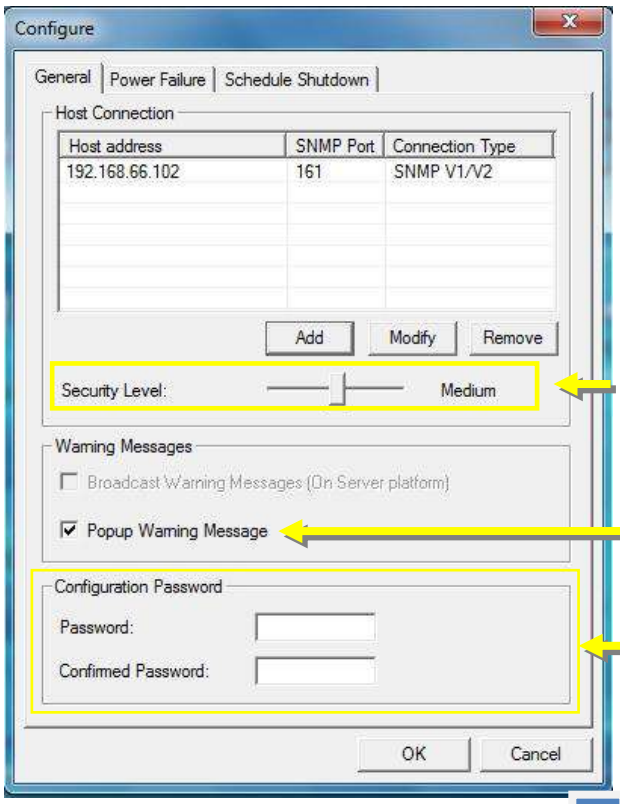


Operation Interface



Configuration



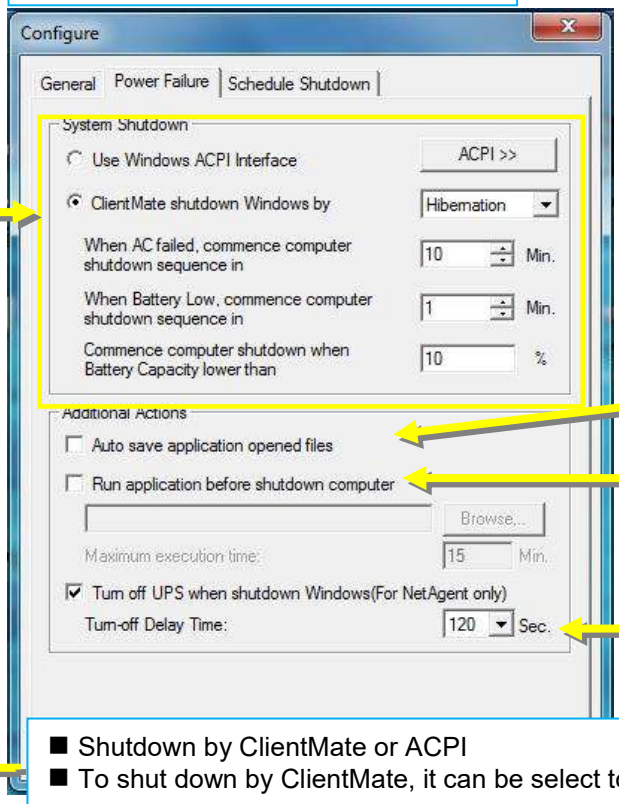


If connect with multi NetAgent, shutdown condition can be perform by security level.
Low：All NetAgent with AC failure condition
Medium：50% NetAgent device has AC failure condition
High：AC failure from any/single NetAgent would shutdown

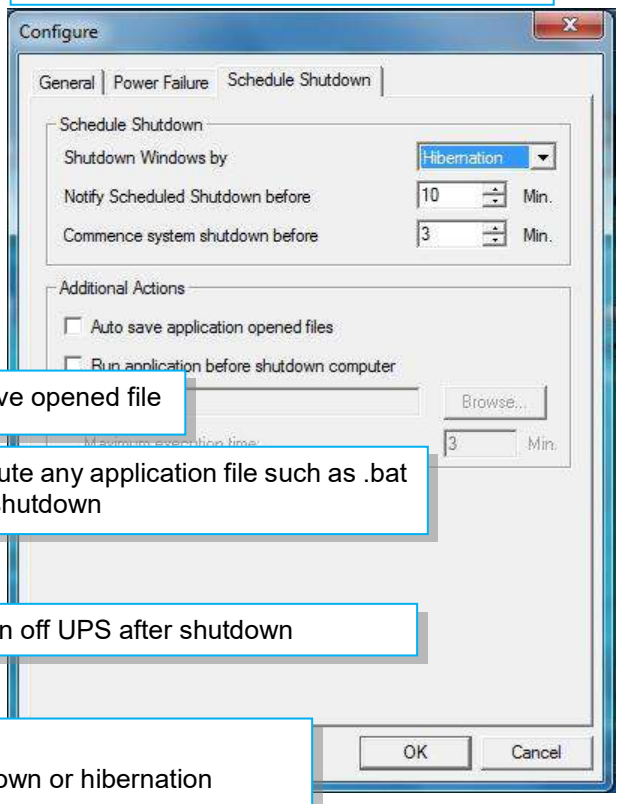
If to have pop warning message

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


ClientMate
ClientMate
A Multi-Shutdown Software
Configuration
Close File
Event Log
About
100%
Battery Normal
AC Normal
192.168.66.102
Event Log
17/7/2 15:05:58 192.168.66.102:Host connected
17/7/2 15:05:58 192.168.66.102 Try connecting to Host
NetAgent Connected

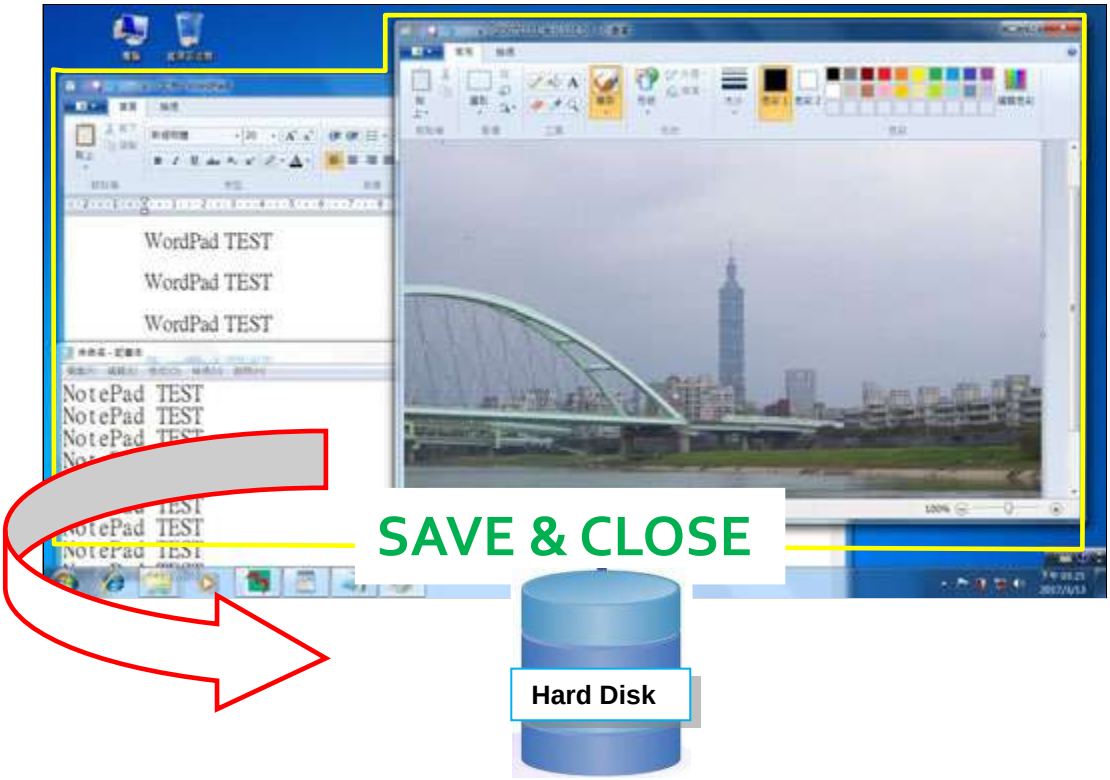

NetAgent
UPS


ClientMate
ClientMate
A Multi-Shutdown Software
Configuration
Close File
Event Log
About
Shutdown countdown
100%
Battery Normal
AC Fail
192.168.66.102
AC Failure
Event Log
17/7/2 15:09:12 Attention! Utility Power Failure!
ClientMate
AC Power Failed. System will be shutdown after 9 minute(s).
OK
Warning Message

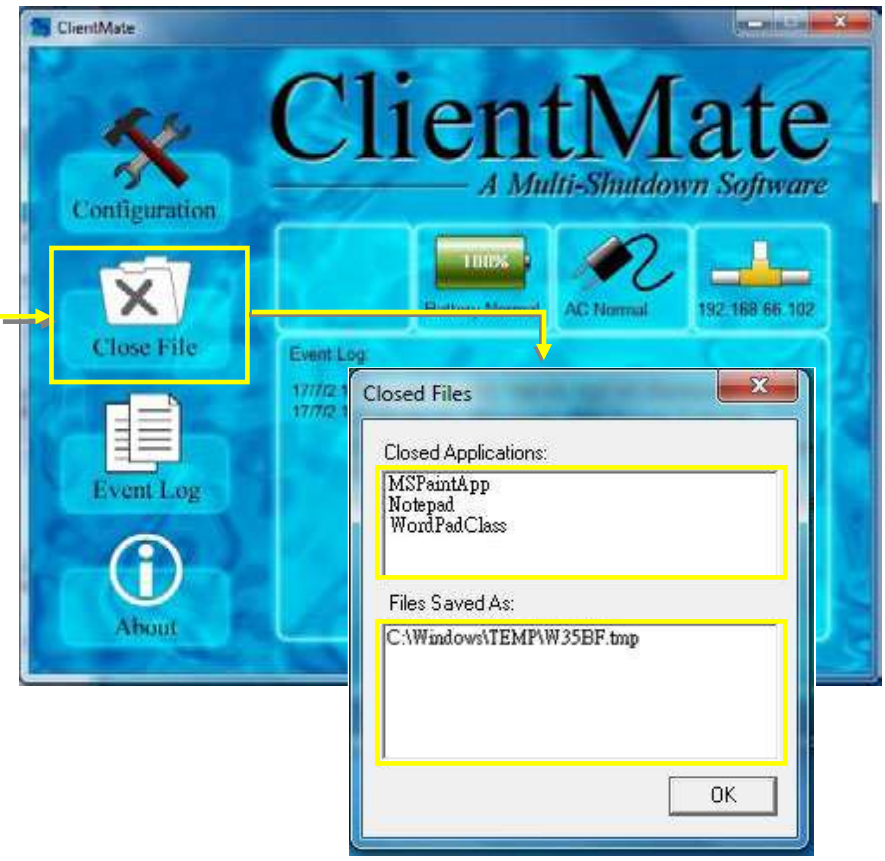
Close File



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



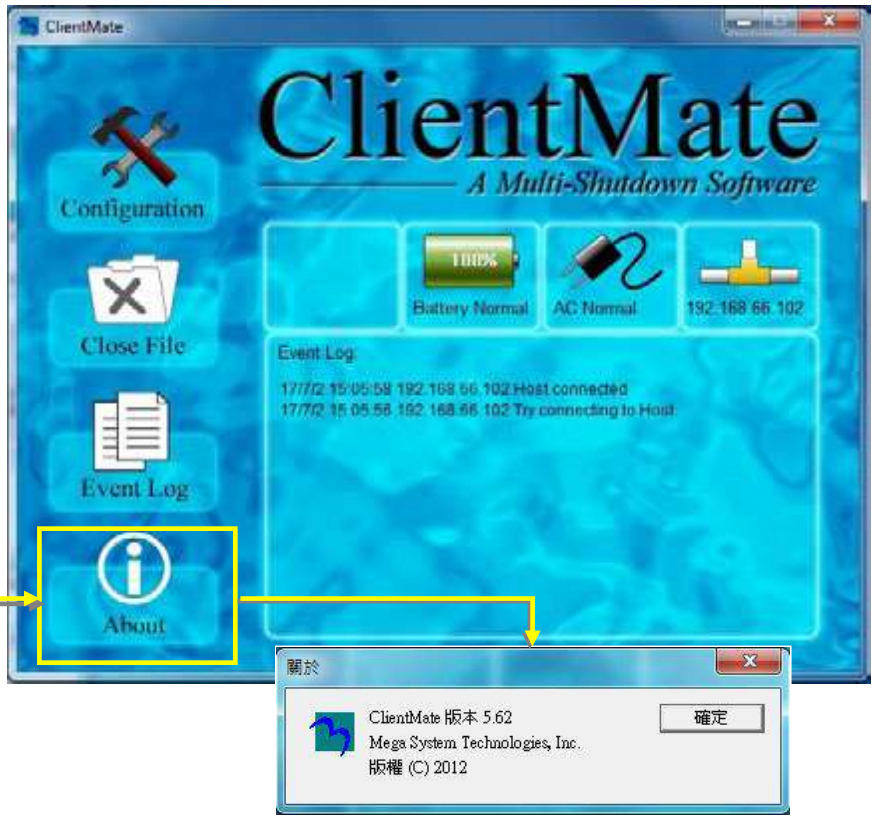
Event Log

Check Event log



About

Check ClientMate version



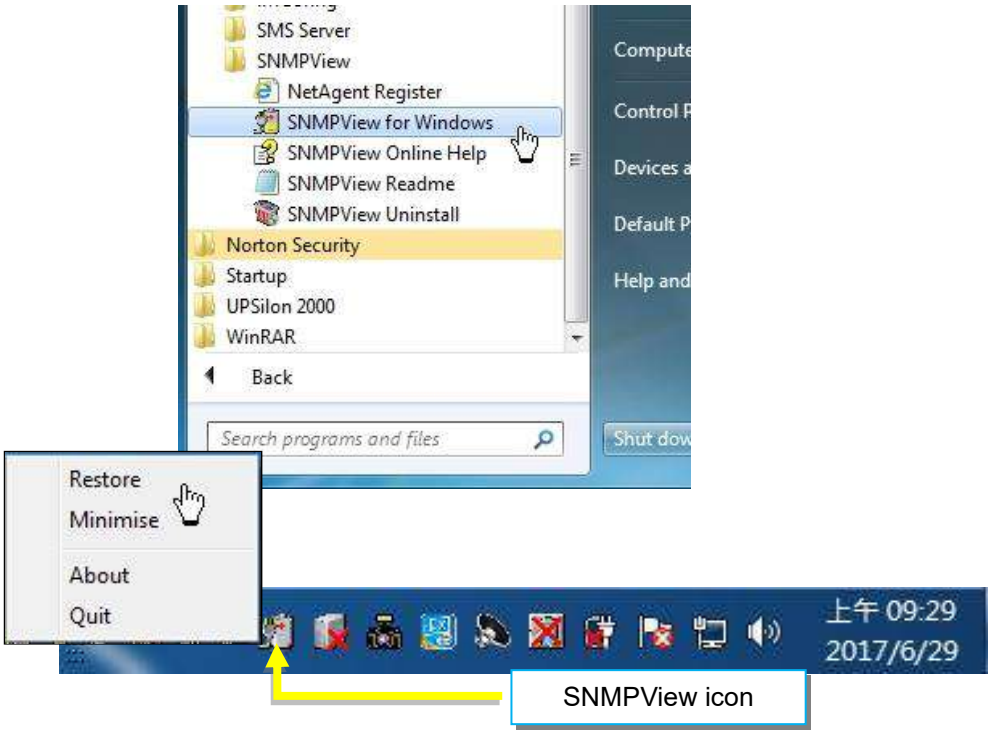
Chapter 7. SNMP View

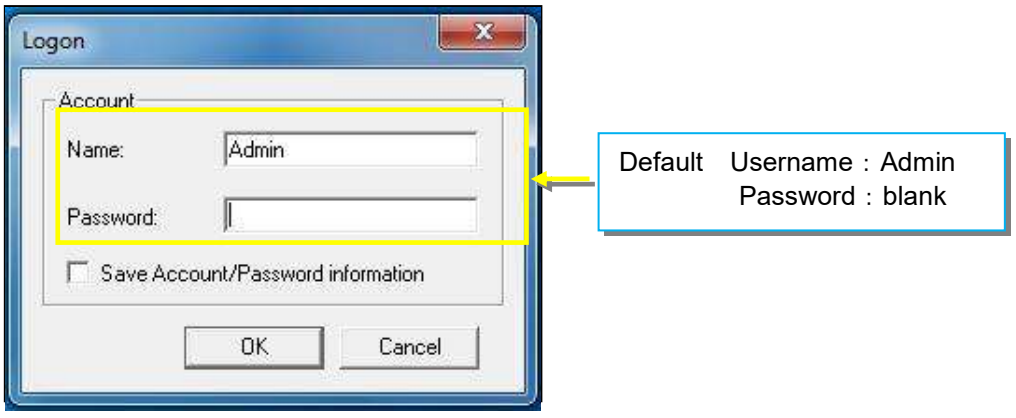
SNMPView is a NMS software to remotely monitor and control multiple UPS with NetAgent.. When an event occurs, SNMPView can be programmed to send an email or trapr to inform the designated network manager. It can also inform the user of the UPS current condition or configuration, perform self-test, send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

Installation and setup

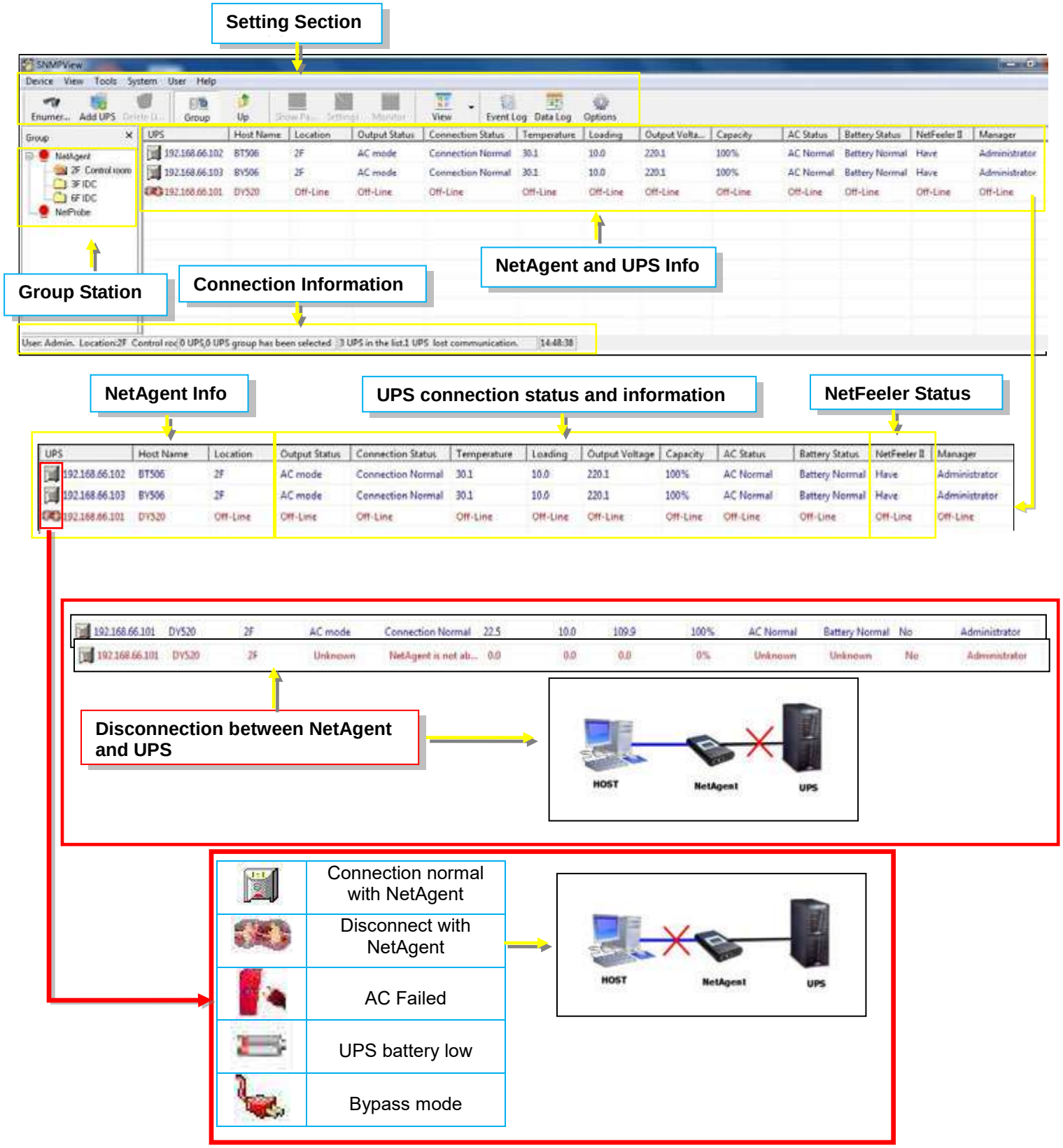
SNMP View software is available in the CD provided with NetAgent. After installed, it saves under directory of

All Programs >NetAgent > SNMPView > SNMP for Windows

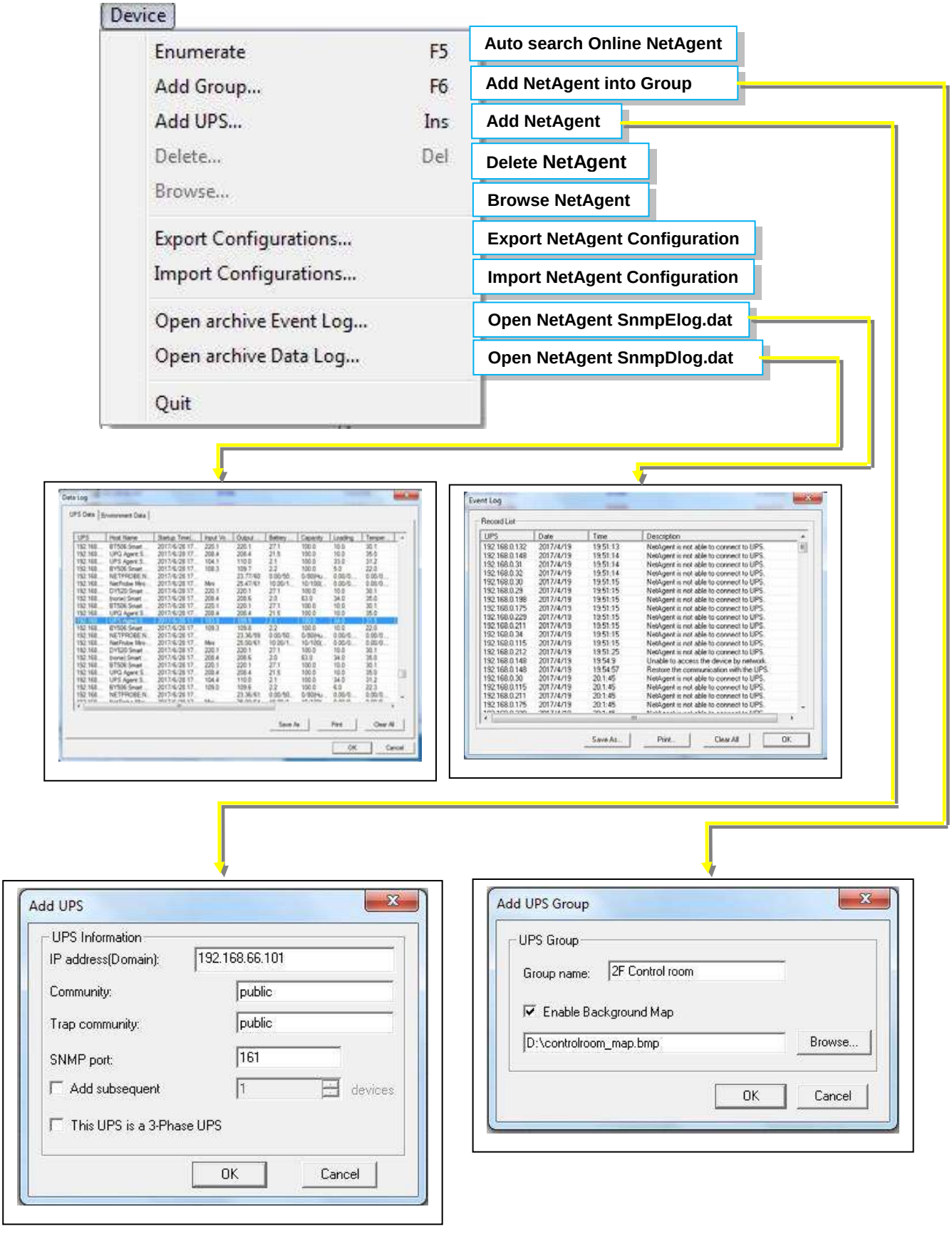


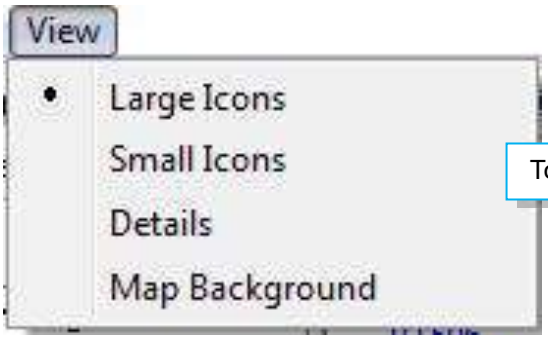


Operation Interface



Setting Tab/Device

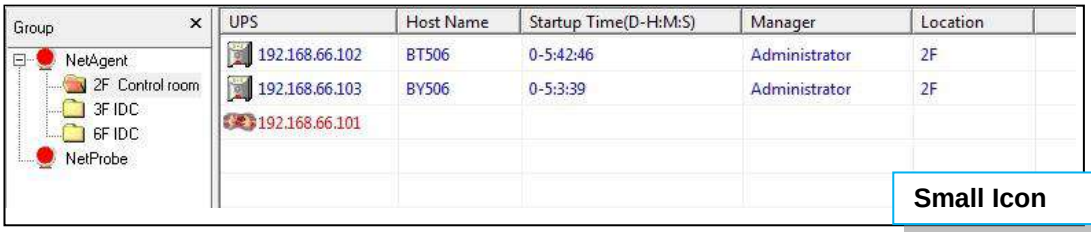




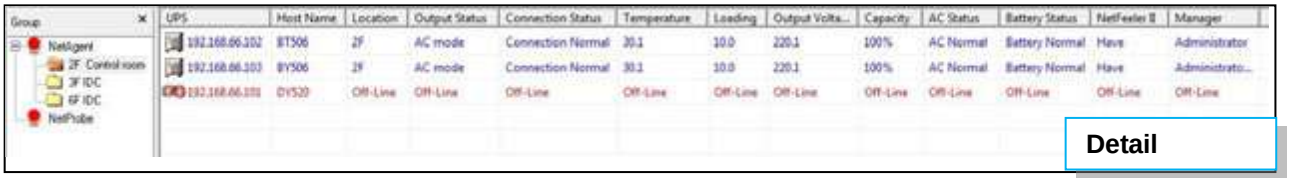
To view NetAgent with different mode



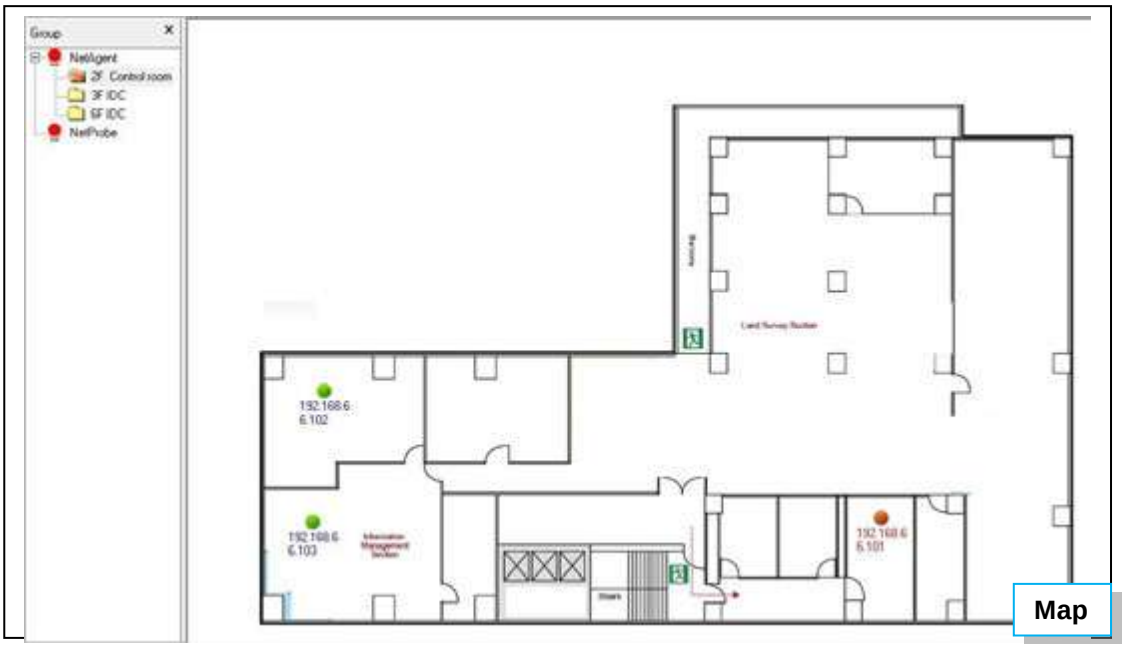
Large Icon



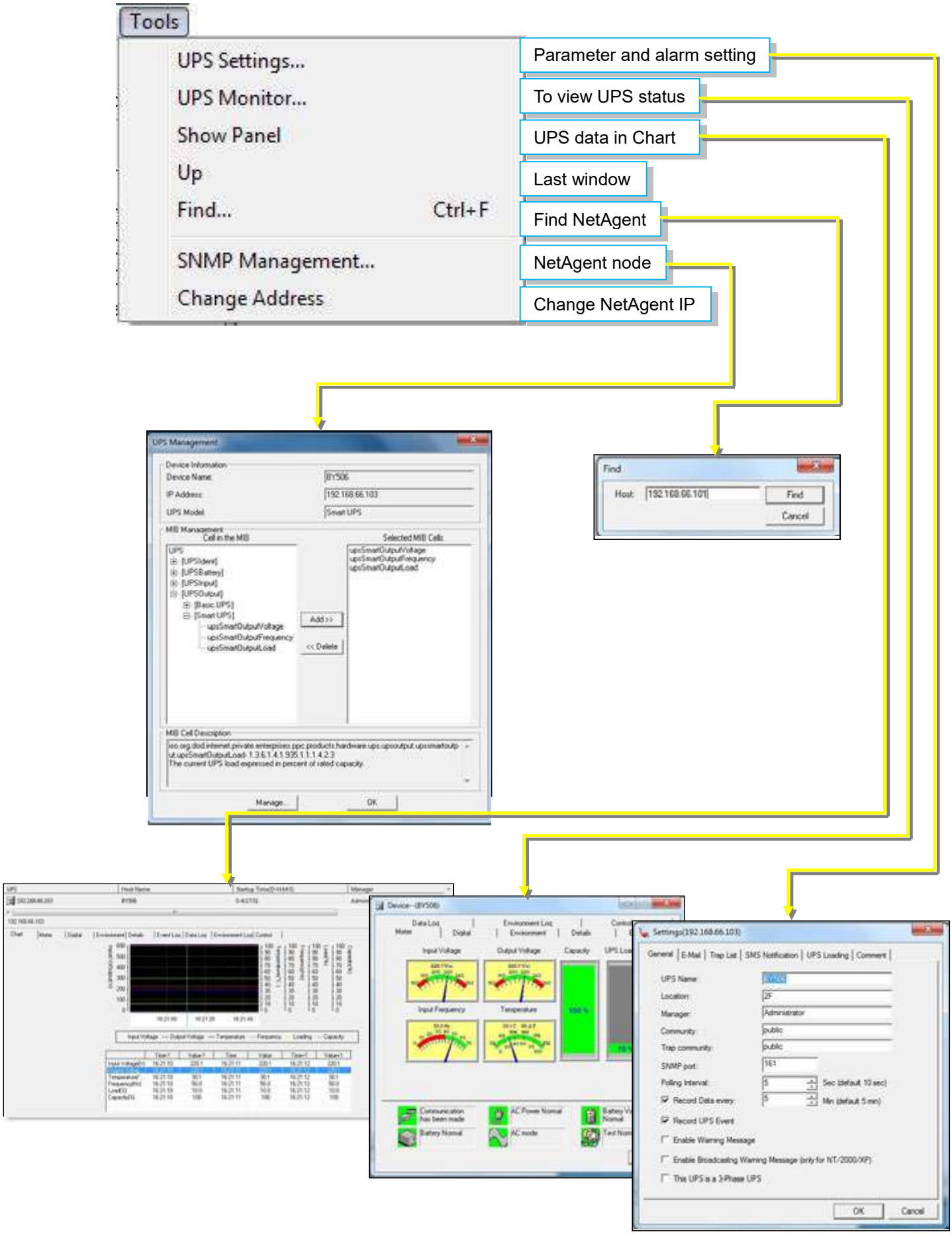
Small Icon

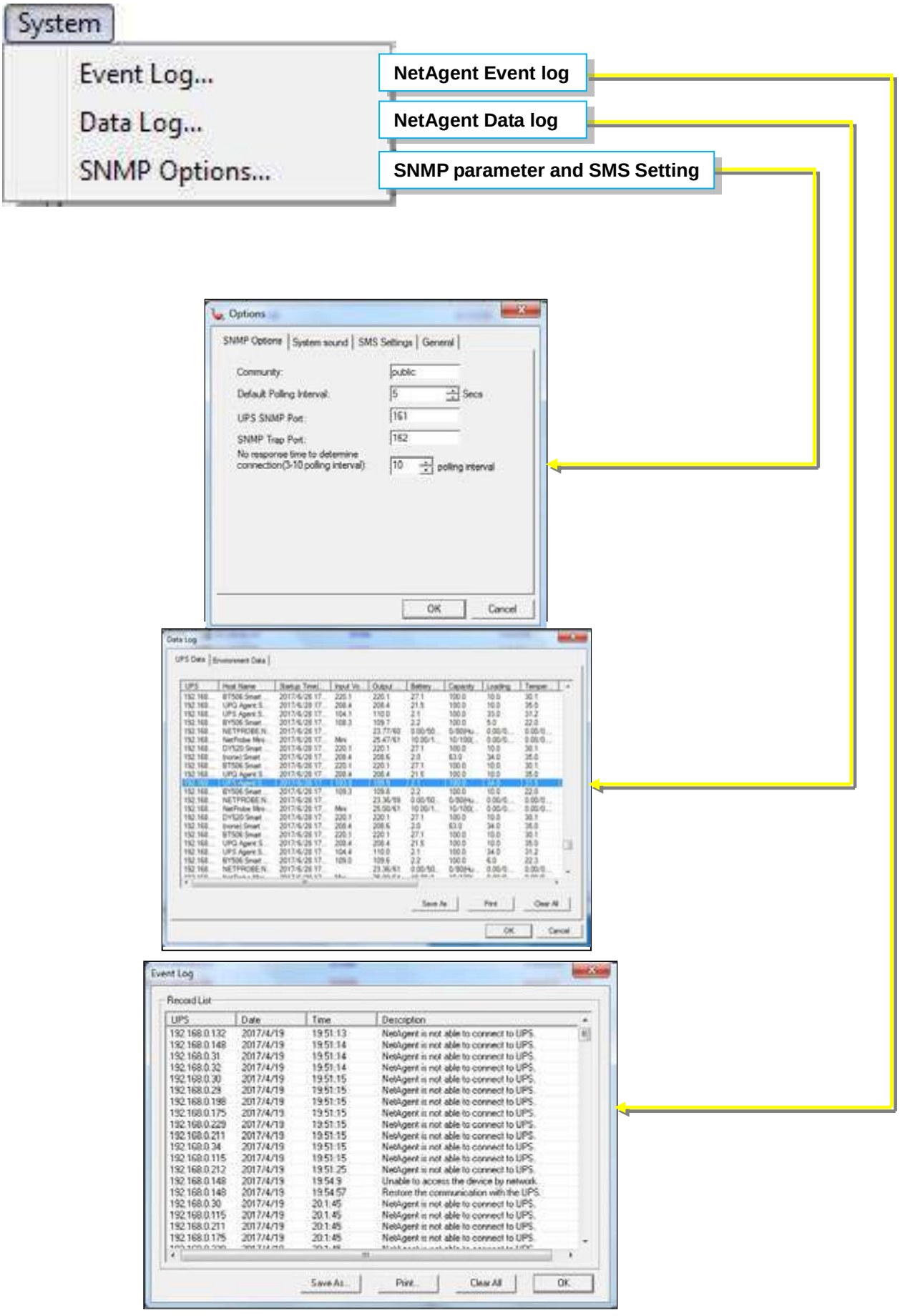


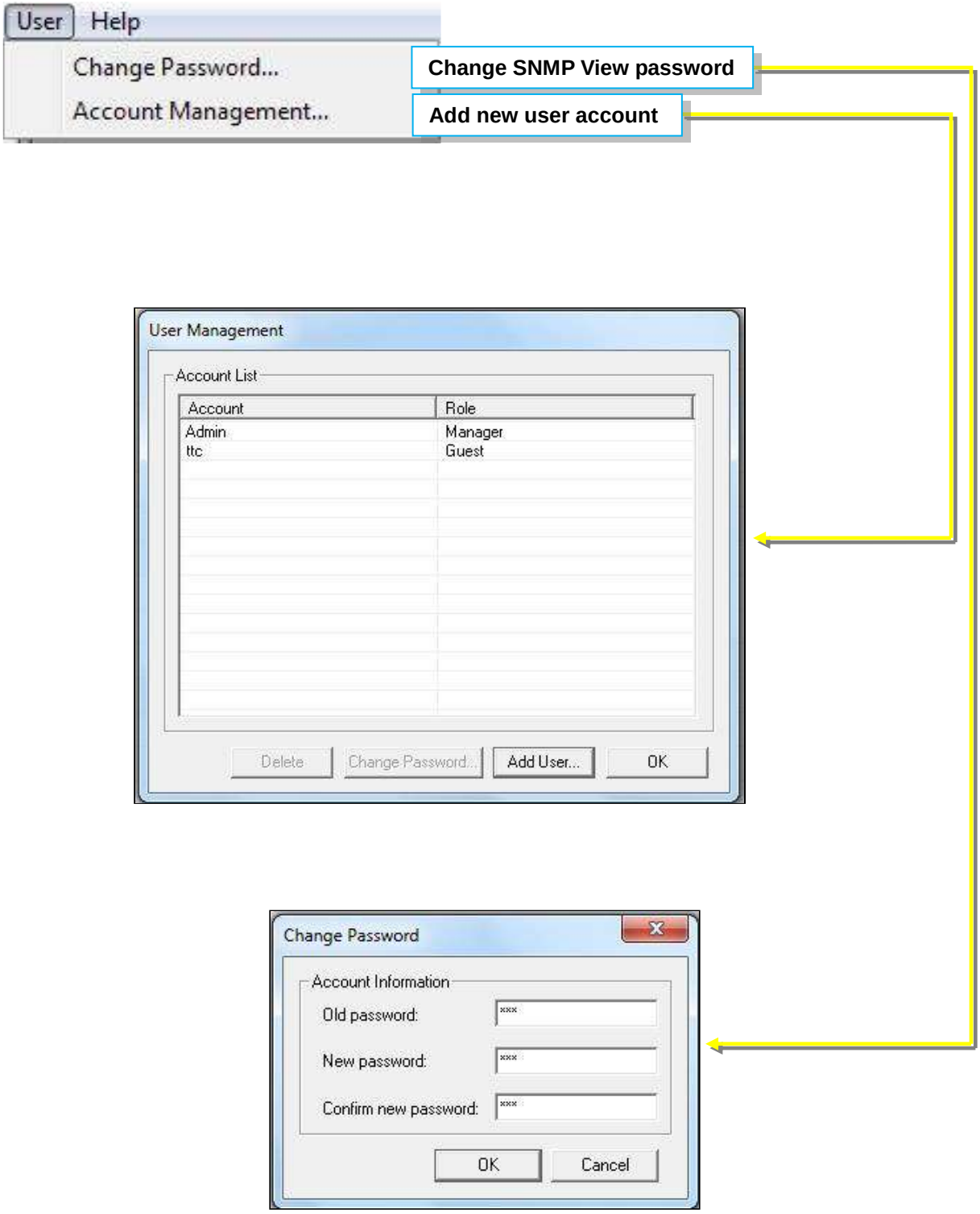
Detail



Map


Tools
UPS Settings...
UPS Monitor...
Show Panel
Up
Find... Ctrl+F
SNMP Management...
Change Address
Parameter and alarm setting
To view UPS status
UPS data in Chart
Last window
Find NetAgent
NetAgent node
Change NetAgent IP
UPS Management
Device Information
Device Name:
IP Address:
UPS Model:
MIB Management
Cell in the MIB
Selected MIB Cells
Add >>
<< Delete
MIB Cell Description
Manage...
OK
Find
Host:
Find
Cancel
Device--(BY506)
Input Voltage
Output Voltage
Capacity
Input Frequency
Temperature
Settings(192.168.66.103)
General
E-Mail
Trap List
SMS Notification
UPS Loading
Comment
UPS Name:
Location:
Manager:
Community:
Trap community:
SNMP port:
Polling Interval:
Record Data every:
Record UPS Event
Enable Warning Message
Enable Broadcasting Warning Message (only for NT/2000/XP)
This UPS is a 3-Phase UPS
OK
Cancel

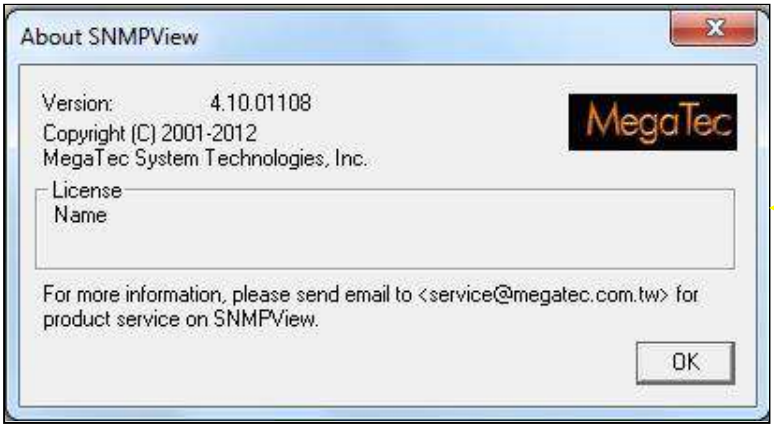

System
Event Log...
Data Log...
SNMP Options...
NetAgent Event log
NetAgent Data log
SNMP parameter and SMS Setting
Options
SNMP Options
System sound
SMS Settings
General
Community:
public
Default Polling Interval:
5
Secs
UPS SNMP Port:
161
SNMP Trap Port:
162
No response time to determine connection(3-10 polling interval):
10
polling interval
OK
Cancel
Data Log
UPS Data
Environment Data
Save As
Print
Clear All
OK
Cancel
Event Log
Record List
UPS
Date
Time
Description
192.168.0.132 2017/4/19 19:51:13 NetAgent is not able to connect to UPS.
192.168.0.148 2017/4/19 19:51:14 NetAgent is not able to connect to UPS.
192.168.0.31 2017/4/19 19:51:14 NetAgent is not able to connect to UPS.
192.168.0.32 2017/4/19 19:51:14 NetAgent is not able to connect to UPS.
192.168.0.30 2017/4/19 19:51:15 NetAgent is not able to connect to UPS.
192.168.0.29 2017/4/19 19:51:15 NetAgent is not able to connect to UPS.
192.168.0.198 2017/4/19 19:51:15 NetAgent is not able to connect to UPS.
192.168.0.175 2017/4/19 19:51:15 NetAgent is not able to connect to UPS.
192.168.0.229 2017/4/19 19:51:15 NetAgent is not able to connect to UPS.
192.168.0.211 2017/4/19 19:51:15 NetAgent is not able to connect to UPS.
192.168.0.34 2017/4/19 19:51:15 NetAgent is not able to connect to UPS.
192.168.0.115 2017/4/19 19:51:15 NetAgent is not able to connect to UPS.
192.168.0.212 2017/4/19 19:51:25 NetAgent is not able to connect to UPS.
192.168.0.148 2017/4/19 19:54:9 Unable to access the device by network.
192.168.0.148 2017/4/19 19:54:57 Restore the communication with the UPS.
192.168.0.30 2017/4/19 20:1:45 NetAgent is not able to connect to UPS.
192.168.0.115 2017/4/19 20:1:45 NetAgent is not able to connect to UPS.
192.168.0.211 2017/4/19 20:1:45 NetAgent is not able to connect to UPS.
192.168.0.175 2017/4/19 20:1:45 NetAgent is not able to connect to UPS.
Save As...
Print...
Clear All
OK


User
Help
Change Password...
Account Management...
Change SNMP View password
Add new user account
User Management
Account List
Account
Role
Admin
Manager
ttc
Guest
Delete
Change Password...
Add User...
OK
Change Password
Account Information
Old password:
New password:
Confirm new password:
OK
Cancel



Menu Description

SNMPView Version and info





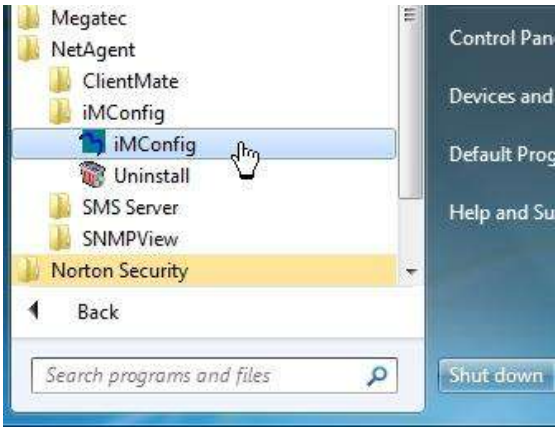
Chapter 8. iMConfig

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

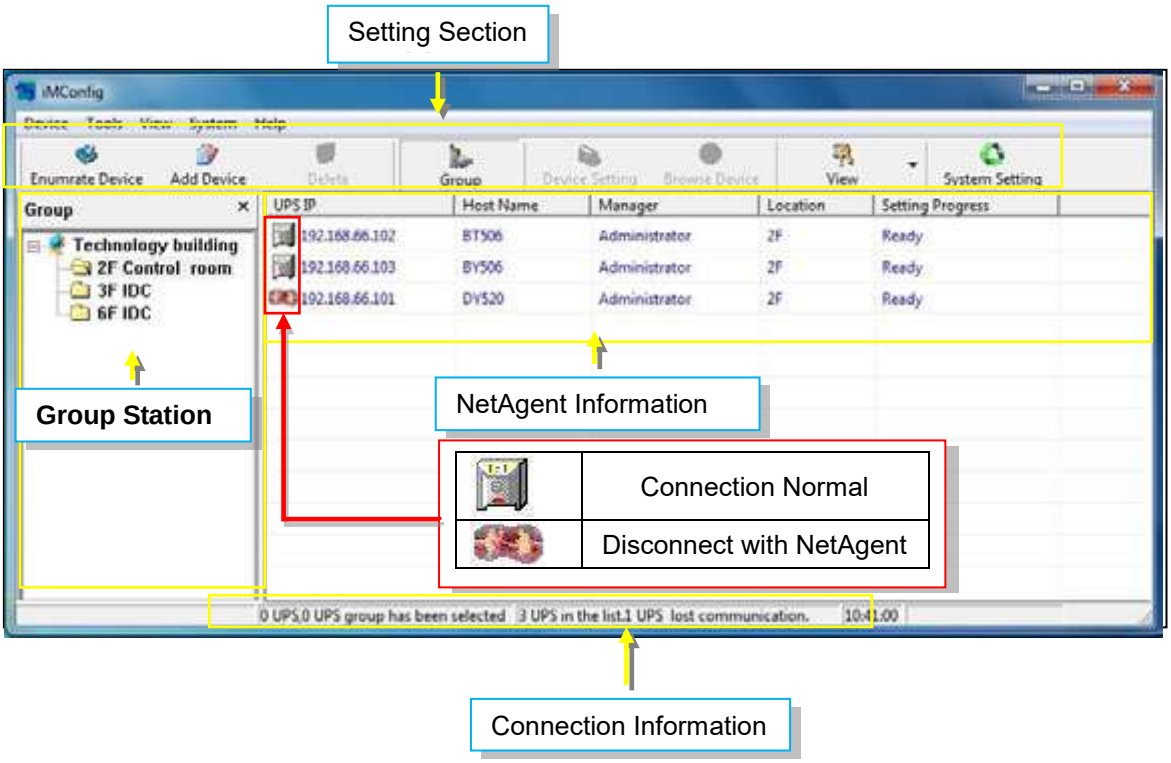
Installation and setup

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

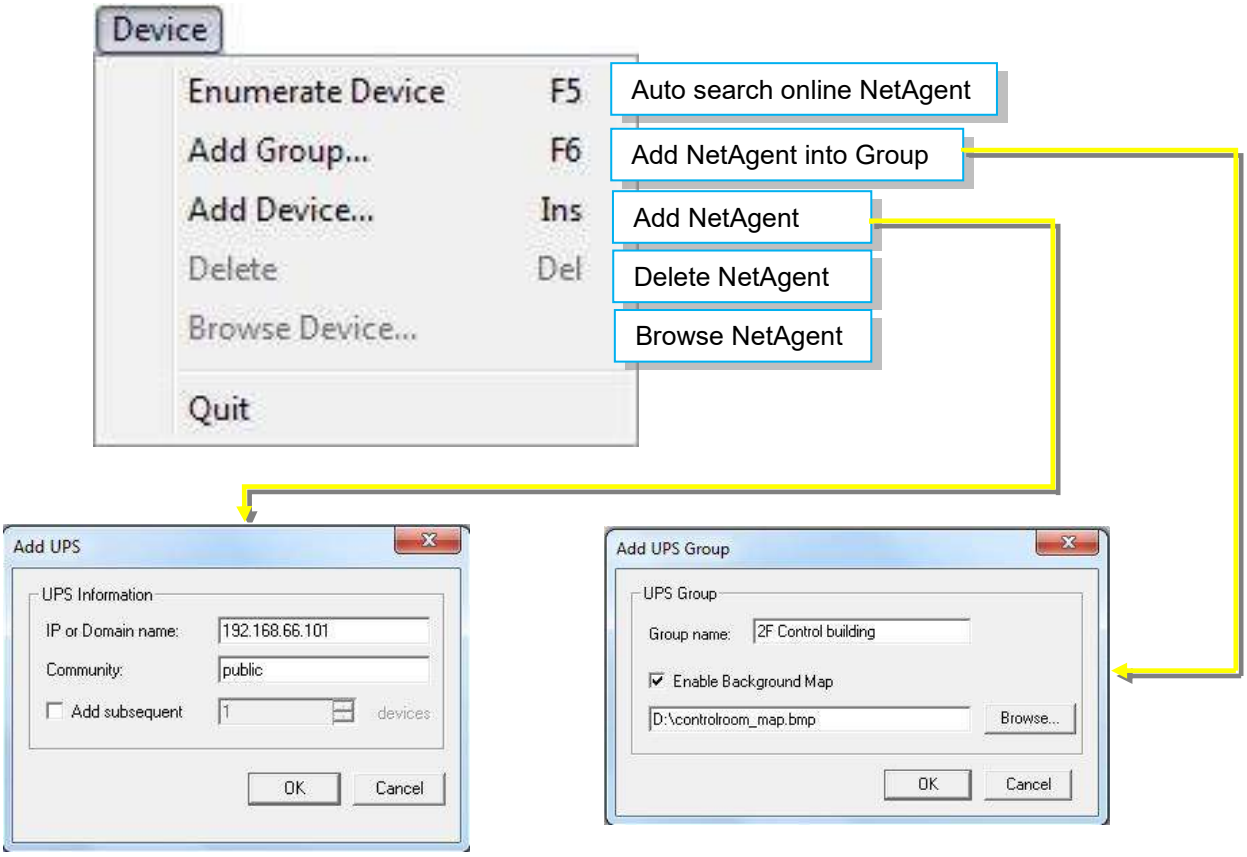
All Programs > NetAgent> iMConfig

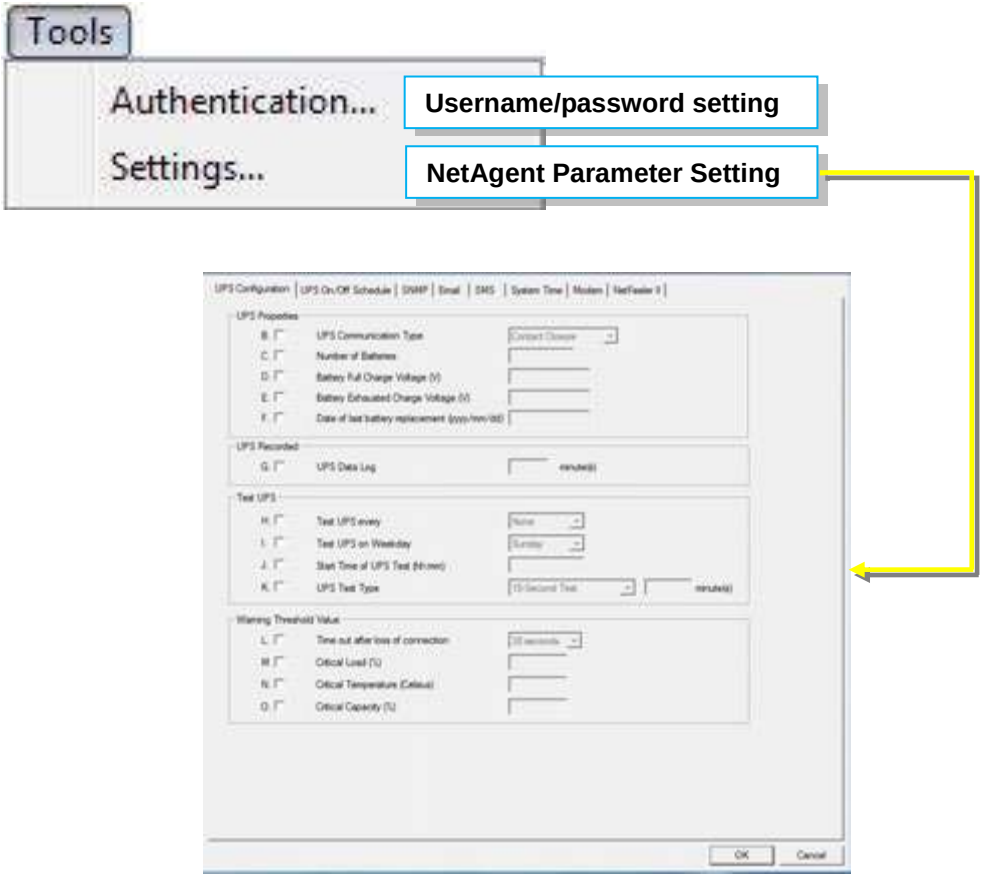


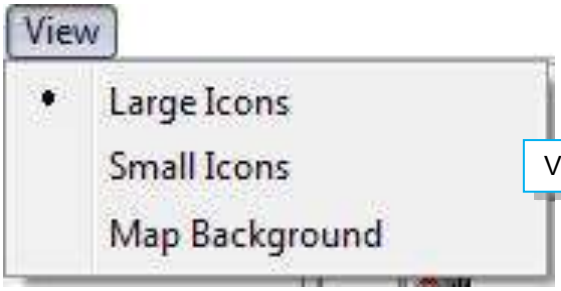
Operation Interface



Setting Tab


Device
Enumerate Device F5
Add Group... F6
Add Device... Ins
Delete Del
Browse Device...
Quit
Auto search online NetAgent
Add NetAgent into Group
Add NetAgent
Delete NetAgent
Browse NetAgent
Add UPS
UPS Information
IP or Domain name: 192.168.66.101
Community: public
Add subsequent 1 devices
OK
Cancel
Add UPS Group
UPS Group
Group name: 2F Control building
Enable Background Map
D:\controlroom_map.bmp
Browse...
OK
Cancel

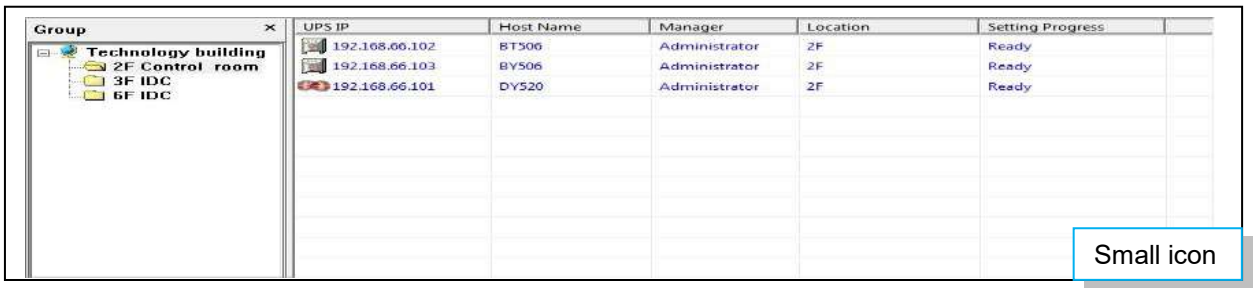

Tools
Authentication...
Settings...
Username/password setting
NetAgent Parameter Setting



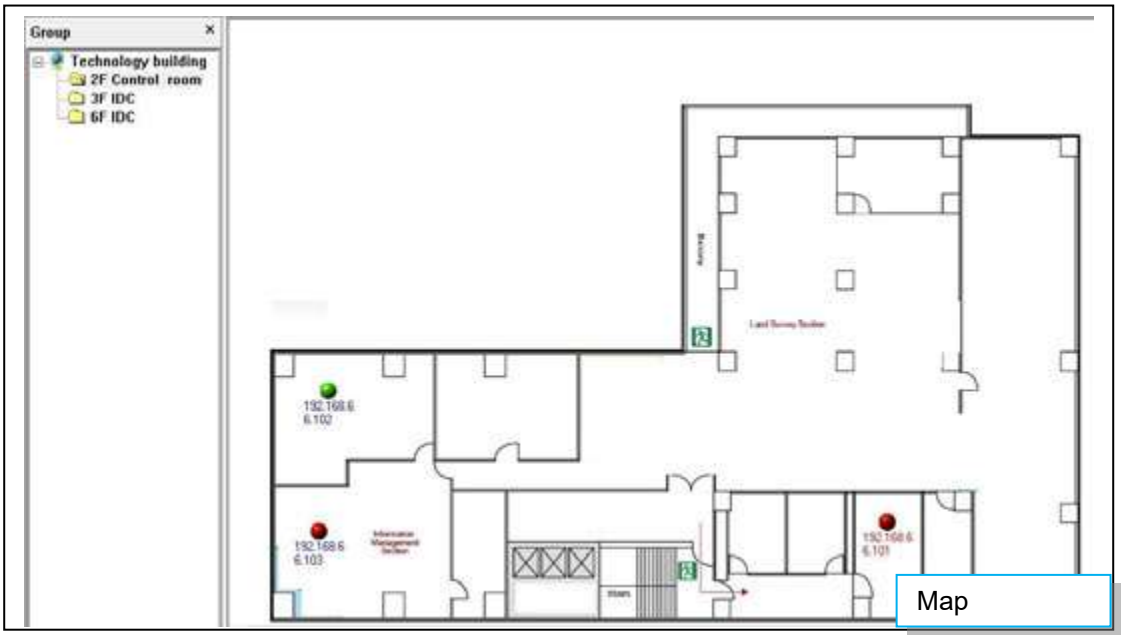
View with different mode



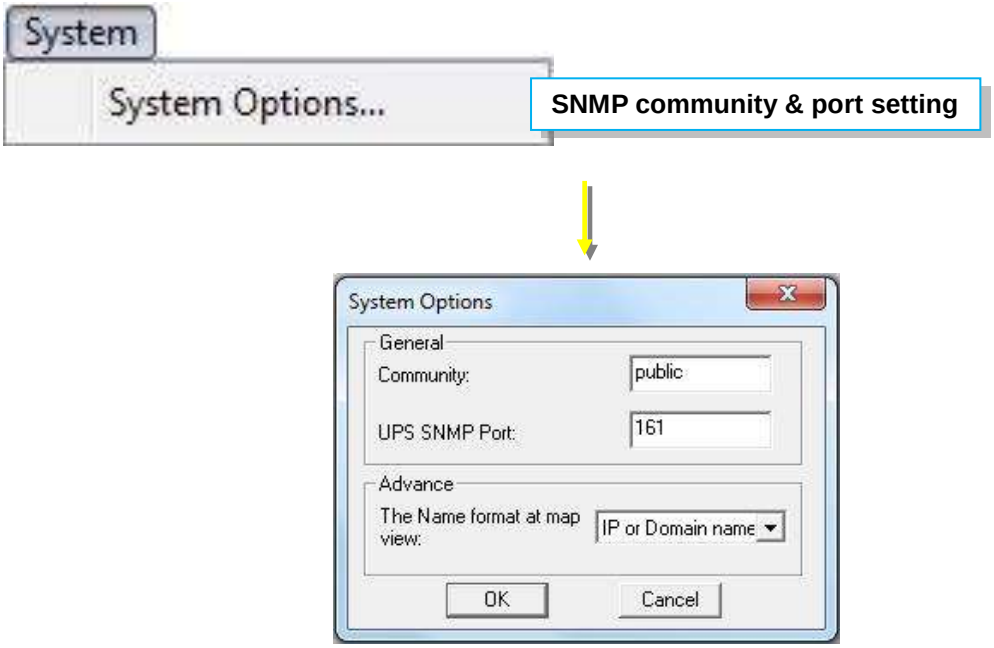
Large icon

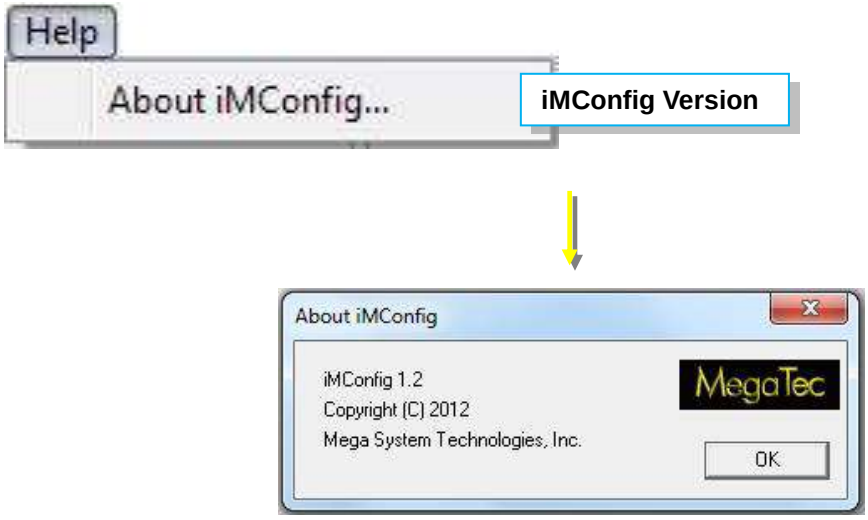


Small icon



Map


System
System Options...
SNMP community & port setting
System Options
General
Community:
public
UPS SNMP Port:
161
Advance
The Name format at map view:
IP or Domain name
OK
Cancel

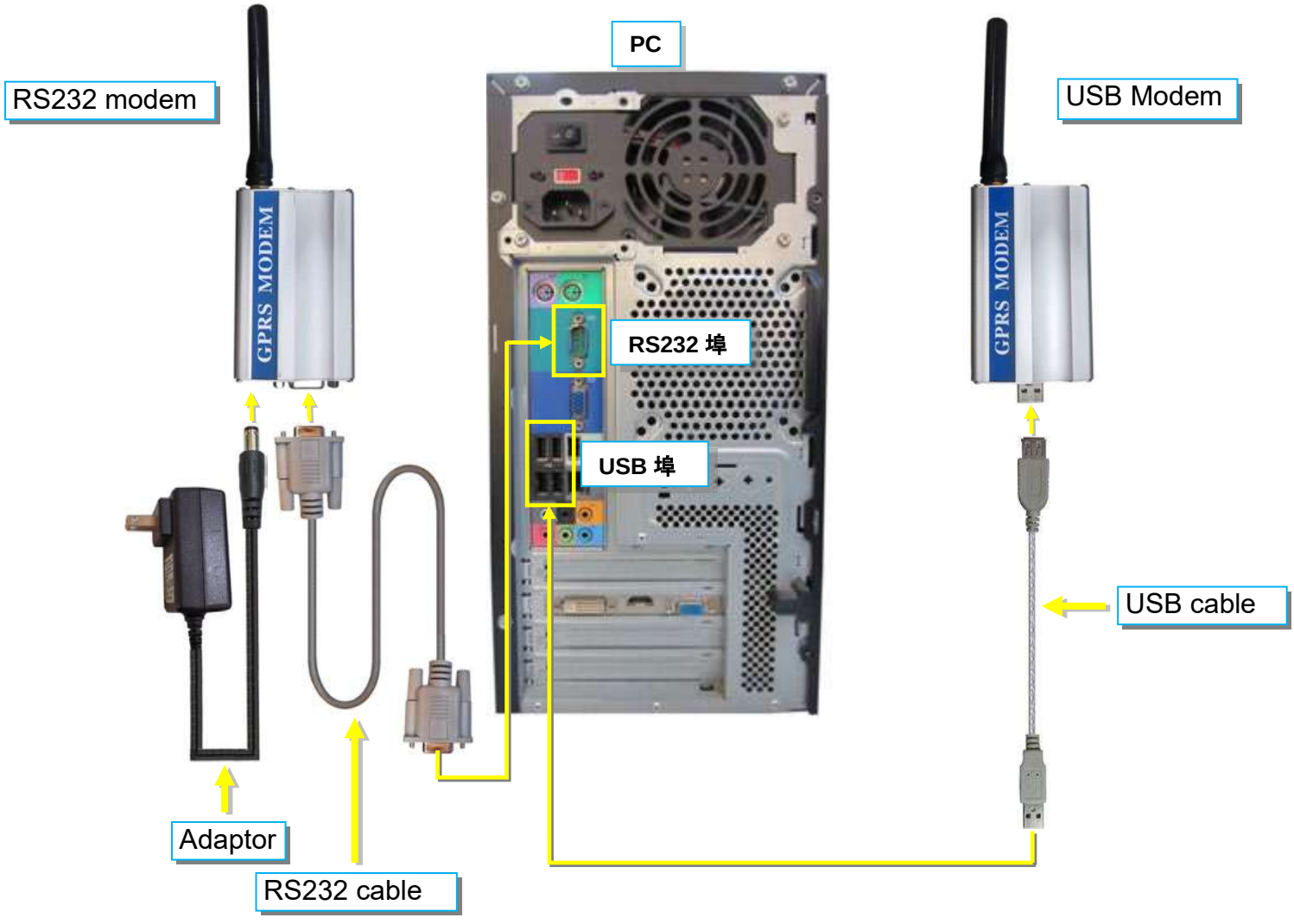

Help
About iMConfig...
iMConfig Version
About iMConfig
iMConfig 1.2
Copyright (C) 2012
Mega System Technologies, Inc.
MegaTec
OK

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



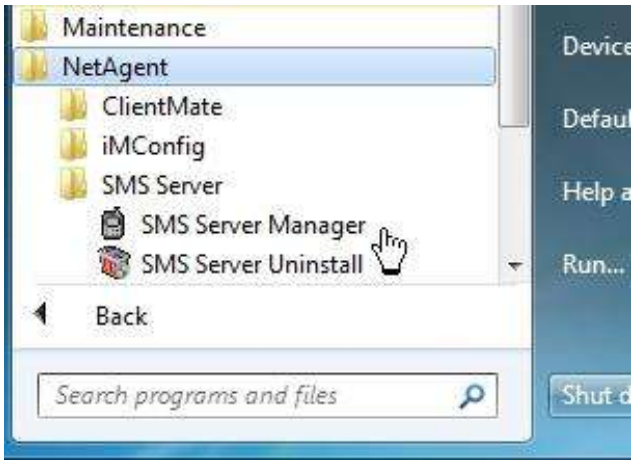
Modem Installation

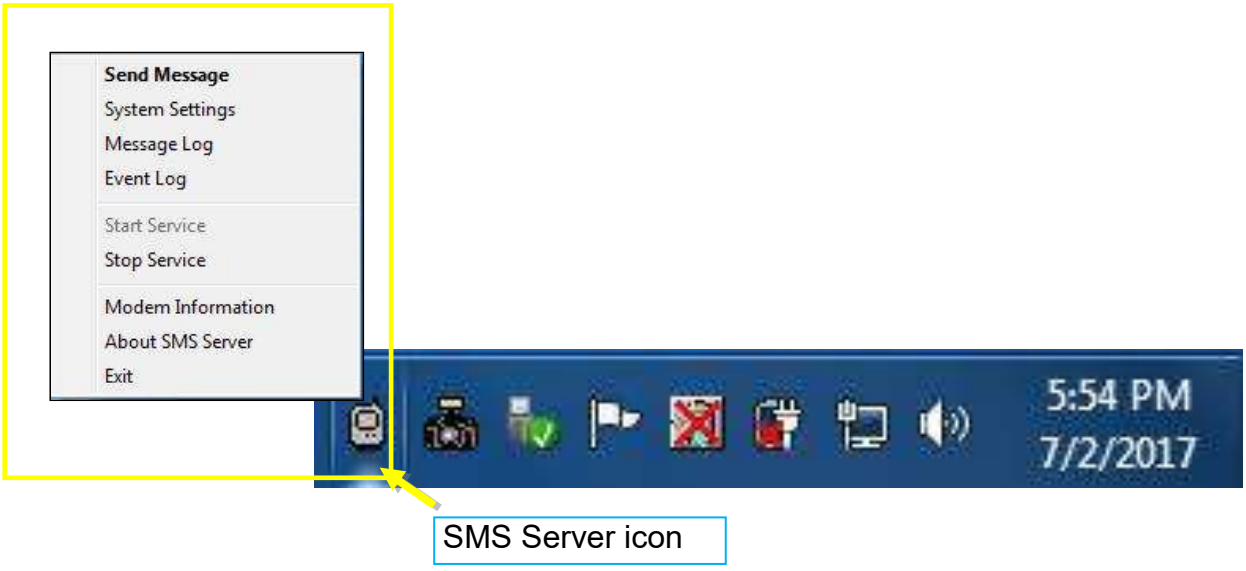


SMS Server Software Installation

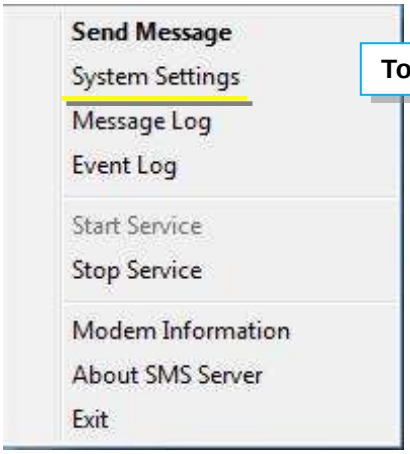
SMS Server software is available in the CD provided with NetAgent. After installed, it saves under directory of

All Programs > NetAgent>SMS Server>SMS Server Manager





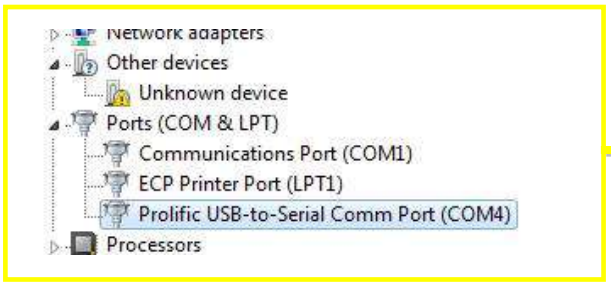
Settings

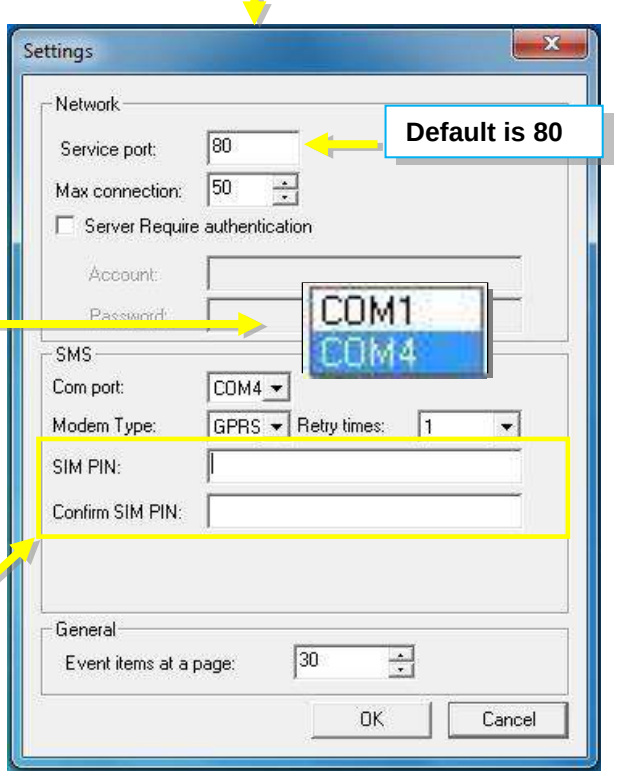


To configure type of modem, port, SIM PIN

Check the virtual port number when using with USB modem

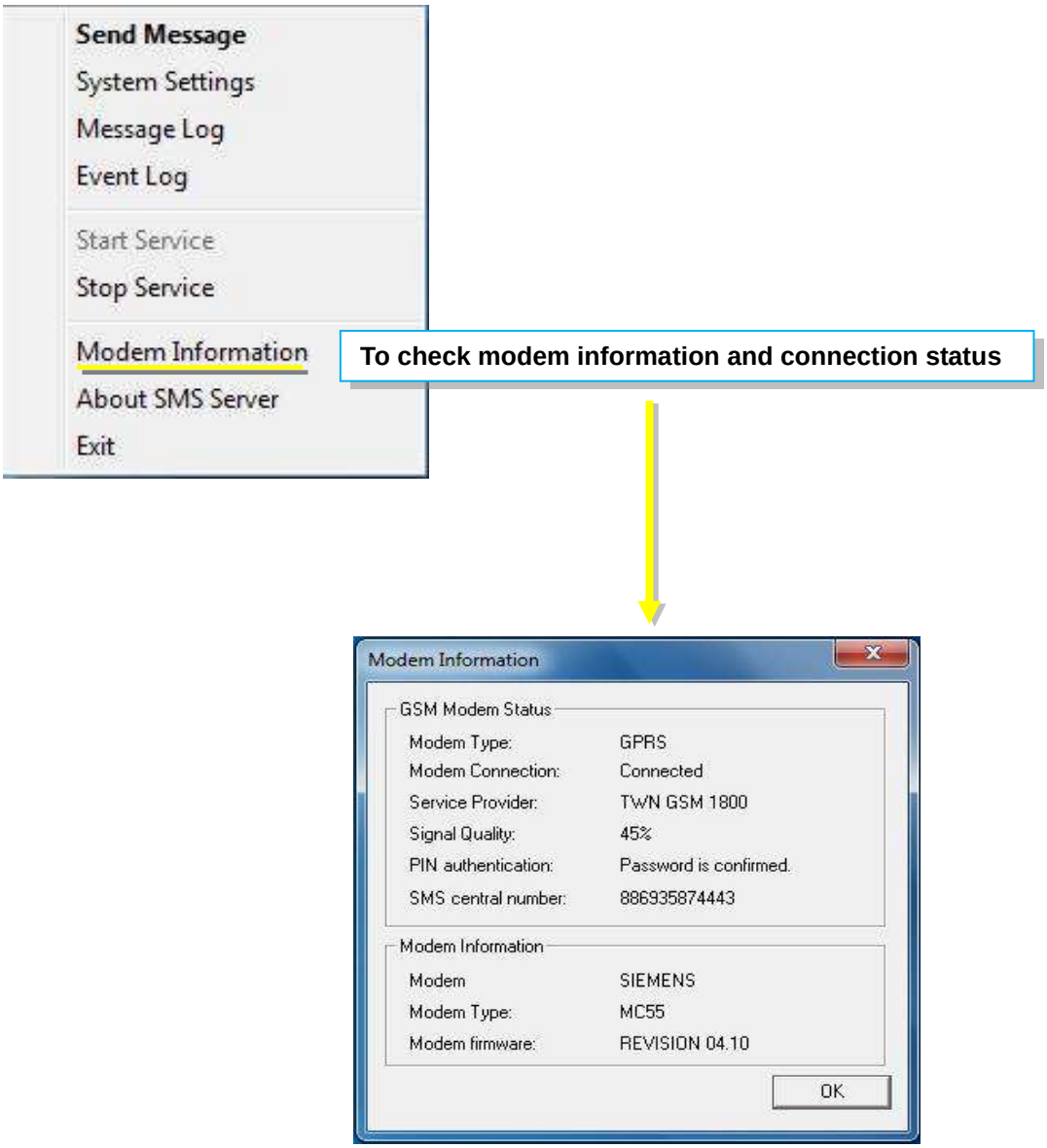
Select COM port of COM1,COM2.. when using with RS232 modem



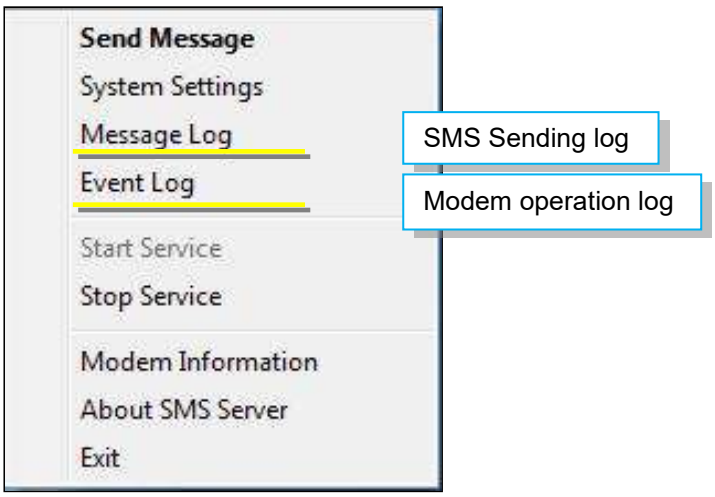


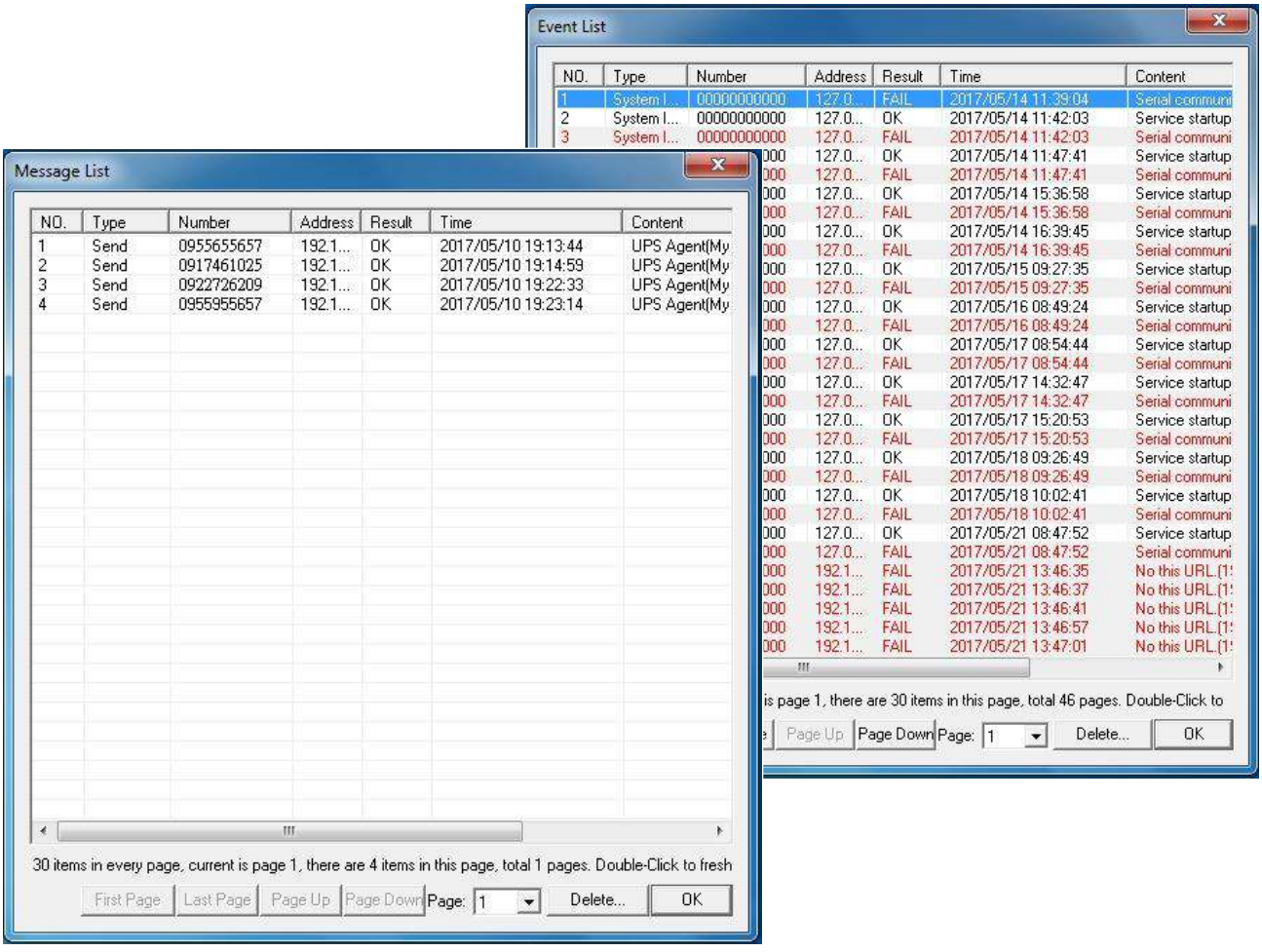
Default is 80

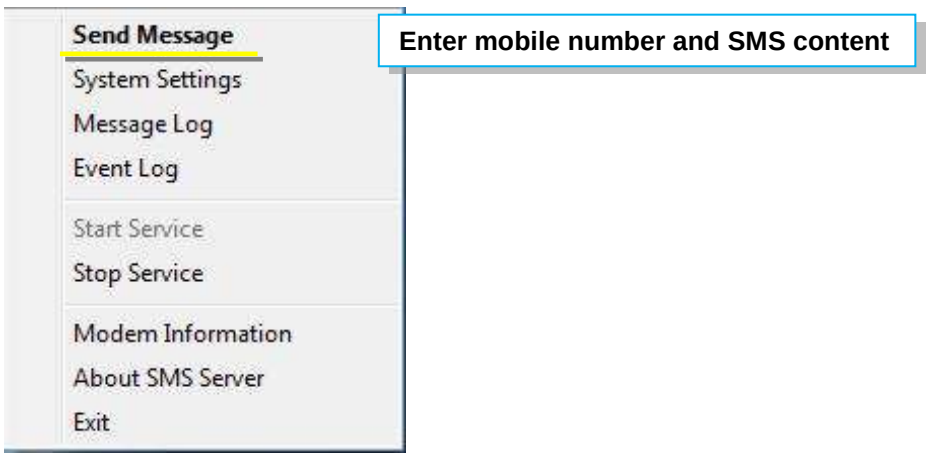
If PIN required, please enter

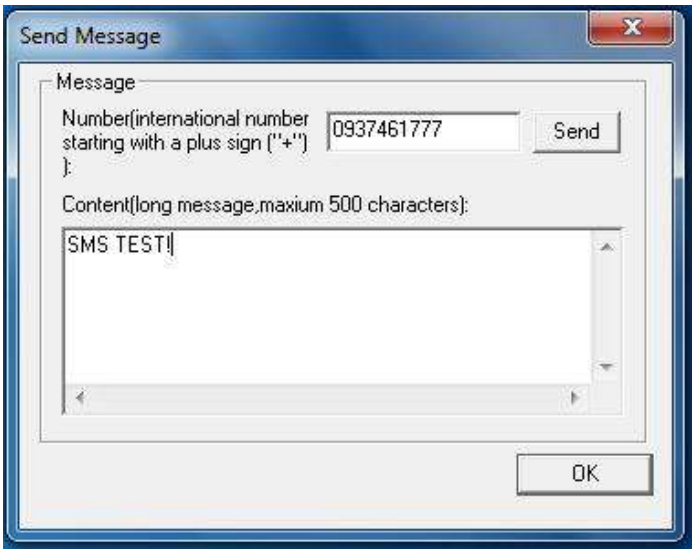


-Ensure all settings are correct and modem is connected with signal in order to send SMS successfully

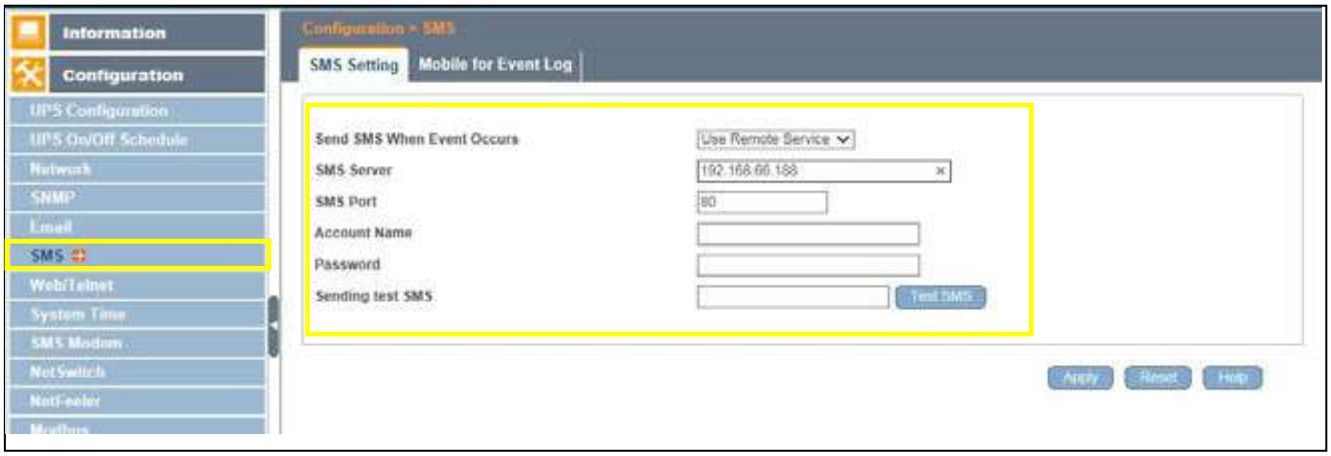

Send Message
System Settings
Message Log
Event Log
Start Service
Stop Service
Modem Information
About SMS Server
Exit
SMS Sending log
Modem operation log


Event List
NO. Type Number Address Result Time Content
1 System I... 00000000000 127.0... FAIL 2017/05/14 11:39:04 Serial communi
2 System I... 00000000000 127.0... OK 2017/05/14 11:42:03 Service startup
3 System I... 00000000000 127.0... FAIL 2017/05/14 11:42:03 Serial communi
000 127.0... OK 2017/05/14 11:47:41 Service startup
000 127.0... FAIL 2017/05/14 11:47:41 Serial communi
000 127.0... OK 2017/05/14 15:36:58 Service startup
000 127.0... FAIL 2017/05/14 15:36:58 Serial communi
000 127.0... OK 2017/05/14 16:39:45 Service startup
000 127.0... FAIL 2017/05/14 16:39:45 Serial communi
000 127.0... OK 2017/05/15 09:27:35 Service startup
000 127.0... FAIL 2017/05/15 09:27:35 Serial communi
000 127.0... OK 2017/05/16 08:49:24 Service startup
000 127.0... FAIL 2017/05/16 08:49:24 Serial communi
000 127.0... OK 2017/05/17 08:54:44 Service startup
000 127.0... FAIL 2017/05/17 08:54:44 Serial communi
000 127.0... OK 2017/05/17 14:32:47 Service startup
000 127.0... FAIL 2017/05/17 14:32:47 Serial communi
000 127.0... OK 2017/05/17 15:20:53 Service startup
000 127.0... FAIL 2017/05/17 15:20:53 Serial communi
000 127.0... OK 2017/05/18 09:26:49 Service startup
000 127.0... FAIL 2017/05/18 09:26:49 Serial communi
000 127.0... OK 2017/05/18 10:02:41 Service startup
000 127.0... FAIL 2017/05/18 10:02:41 Serial communi
000 127.0... OK 2017/05/21 08:47:52 Service startup
000 127.0... FAIL 2017/05/21 08:47:52 Serial communi
000 192.1... FAIL 2017/05/21 13:46:35 No this URL.(1
000 192.1... FAIL 2017/05/21 13:46:37 No this URL.(1
000 192.1... FAIL 2017/05/21 13:46:41 No this URL.(1
000 192.1... FAIL 2017/05/21 13:46:57 No this URL.(1
000 192.1... FAIL 2017/05/21 13:47:01 No this URL.(1
is page 1, there are 30 items in this page, total 46 pages. Double-Click to
Page Up Page Down Page: 1 Delete... OK
Message List
NO. Type Number Address Result Time Content
1 Send 0955655657 192.1... OK 2017/05/10 19:13:44 UPS Agent(My
2 Send 0917461025 192.1... OK 2017/05/10 19:14:59 UPS Agent(My
3 Send 0922726209 192.1... OK 2017/05/10 19:22:33 UPS Agent(My
4 Send 0955955657 192.1... OK 2017/05/10 19:23:14 UPS Agent(My
30 items in every page, current is page 1, there are 4 items in this page, total 1 pages. Double-Click to fresh
First Page Last Page Page Up Page Down Page: 1 Delete... OK





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



Chapter 10. Appendix

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

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



3. Enter ID: admin

   Password: Enter the master password for the device



4. Press continue and clear

