



## Xmart SNMP Web Manager User Manual

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### Xmart SNMP Web Manager User Manual



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## INTRODUCTION

SNMP Web Manager is a configuration auxiliary software to configure SNMP LAN cards from your computer. Users can search and configure all SNMP devices in LAN from SNMP Web Manager interface.

This manual shows all information regarding installation and operation of SNMP Web Manager.

SNMP Web Manager can scan, find, and communicate with internal and external SNMP Lan Cards connected to Xmart's UPS, Inverters, and **STA**.

## **Features**

1. Remote Scan of any SNMP device in LAN.
2. Entry point for SNMP devices monitor and control, no need for additional software.
3. Password safe.
4. IP addresses configuration for static IP address systems.
5. Firmware upgrade for SNMP LAN cards.
6. Static Trap addresses configuration.

## **SNMP WEB MANAGER INSTALL, QUICK START, AND UNINSTALL.**

**SNMP** Web Manager is a configuration auxiliary software to configure SNMP LAN cards from your computer. Users can search and configure all SNMP devices in LAN from SNMP Web Manager interface.

## **Supported Operating Systems**

### **Windows ®**

**Windows Server 2012 / 2016 / 2019 (32 bit & 64 bit)**

**Windows® 7 / 8 / 10 (32-bit & x64-bit)**

**Windows SBS 2011 (32 bit & 64 bit)**

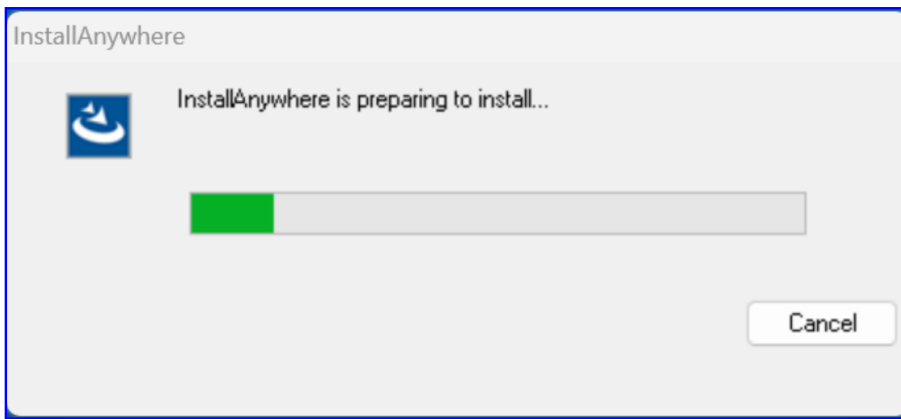
### **LINUX**

- Linux Fedora 5 / 17 (32 bit & 64 bit)
- Linux Fedora 33 (64 bit)
- Linux RedHat Enterprise AS6 (32 bit & 64 bit)
- Linux RedHat Enterprise AS3 / AS5 / 5 / 8 / 9 (32 bit)
- Linux OpenSUSE 10 / 11 / 12 / 13 (32 bit & 64 bit)
- Linux Cent OS 5 / 6 / 7 (32 bit & 64 bit)
- Linux Cent OS 8 / 9 (64 bit)
- Linux Ubuntu 11 / 18 / 19 / 20 (64 bit)
- Linux Ubuntu 10 / 12 / 14 / 15 / 16 (32 bit & 64 bit)
- Linux Mint 14.x / 19.x (32 bit)
- Linux Mint 19 / 20 (64 bit)
- Linux Debian 6.x / 8.x / 10.x (32 bit)
- Linux Debian 6 / 7 / 8 / 10 (64 bit)

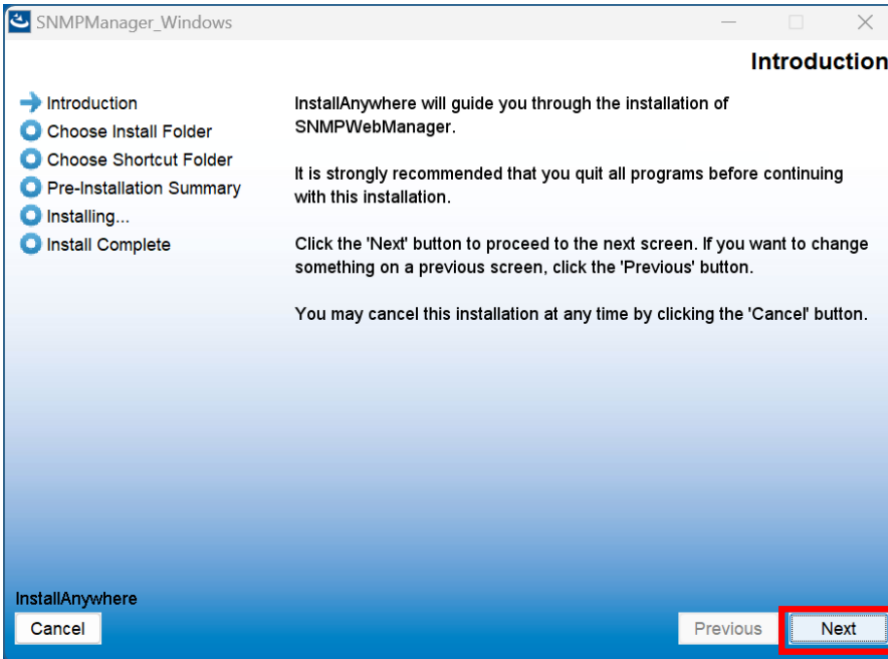
### **Mac OS 10.6 and Higher / 11.0 (x64-bit)**

## **Software Installation**

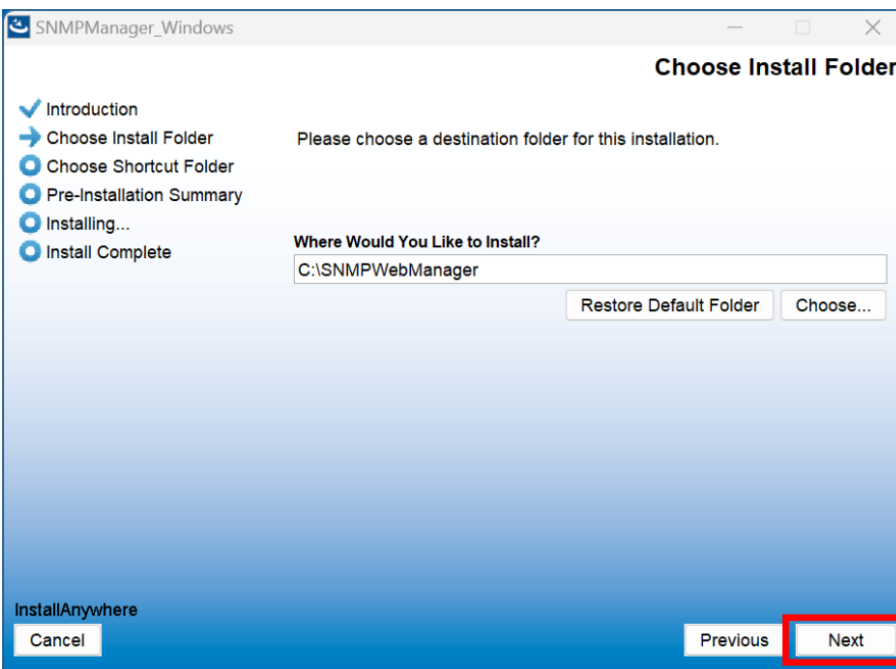
1. Execute install file, it will display the installation process. See next figure for reference.



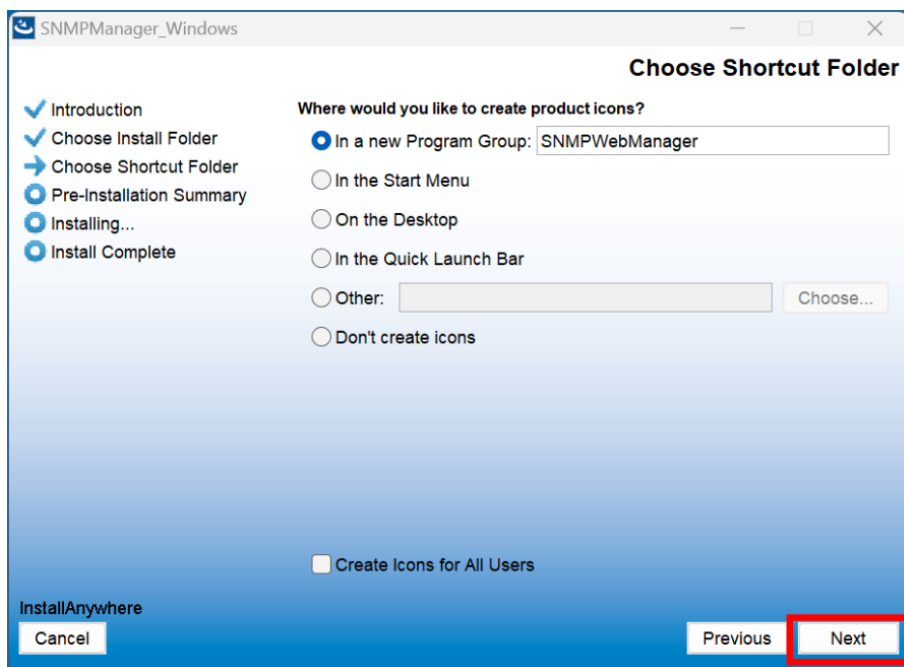
2. In the following window, click “Next” to proceed to the next screen. See next image for reference.



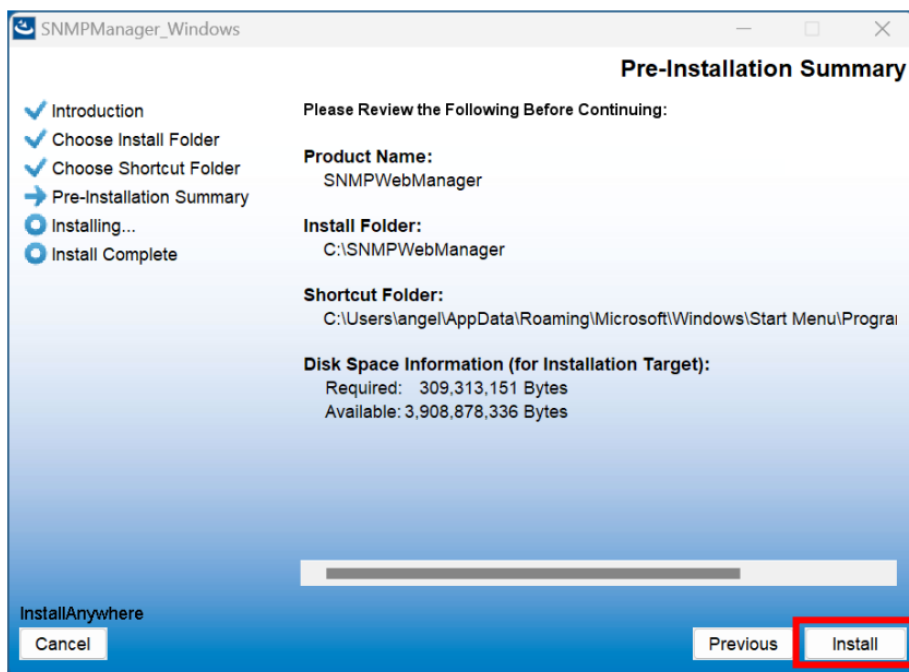
3. The following window sets the installation folder. Click “Choose” in case you need to change the default folder. After choosing the installation folder, click “Next”.



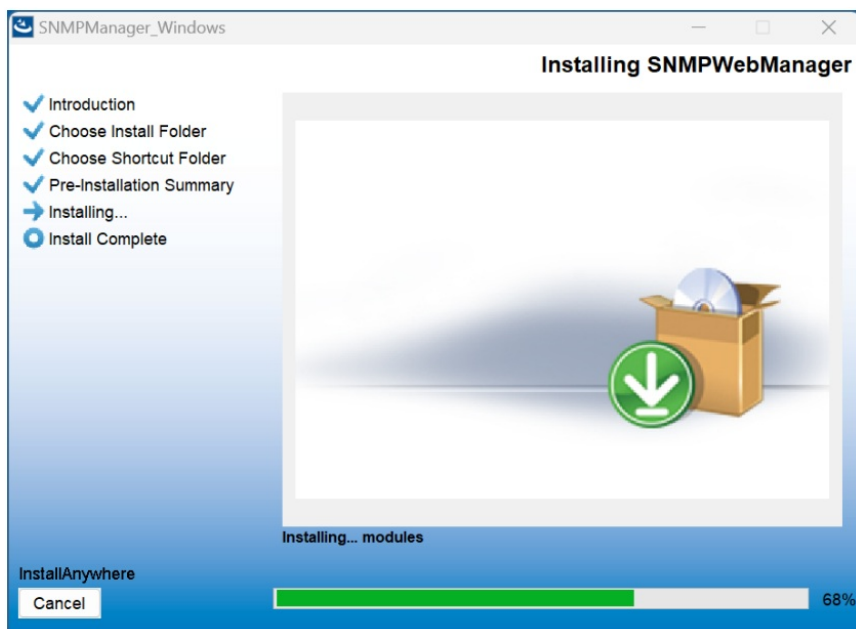
4. Choose the icons folder and click “Next” button. Refer to next image.



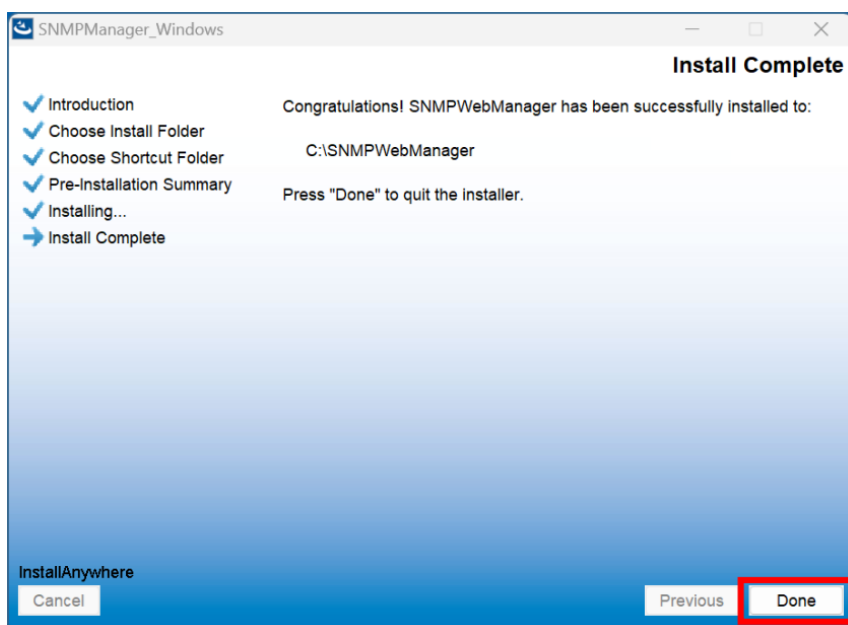
5. The following screen shows an installation details summary. Click “Install” to start installation. See next image.



6. Following window will show the installation progress.



7. Press **“Done”** button when installation is complete.



## Quick Start

Once successfully installed, there will be a Shortcut Icon on your desktop, like the one on the right:

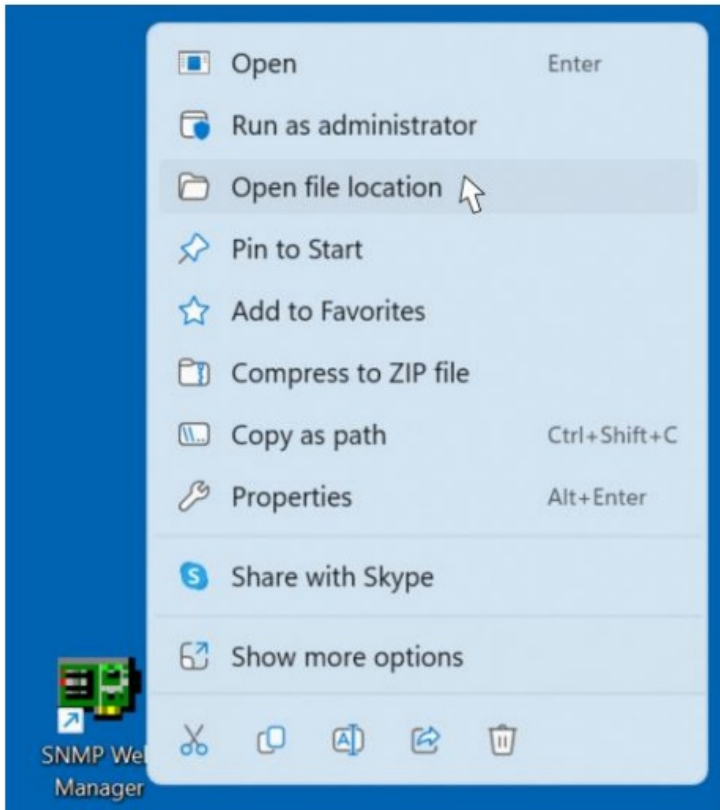


**User can also use the Start Menu method:** Start → All Programs/Apps → SNMP Web Manager → SNMP Web Manager.

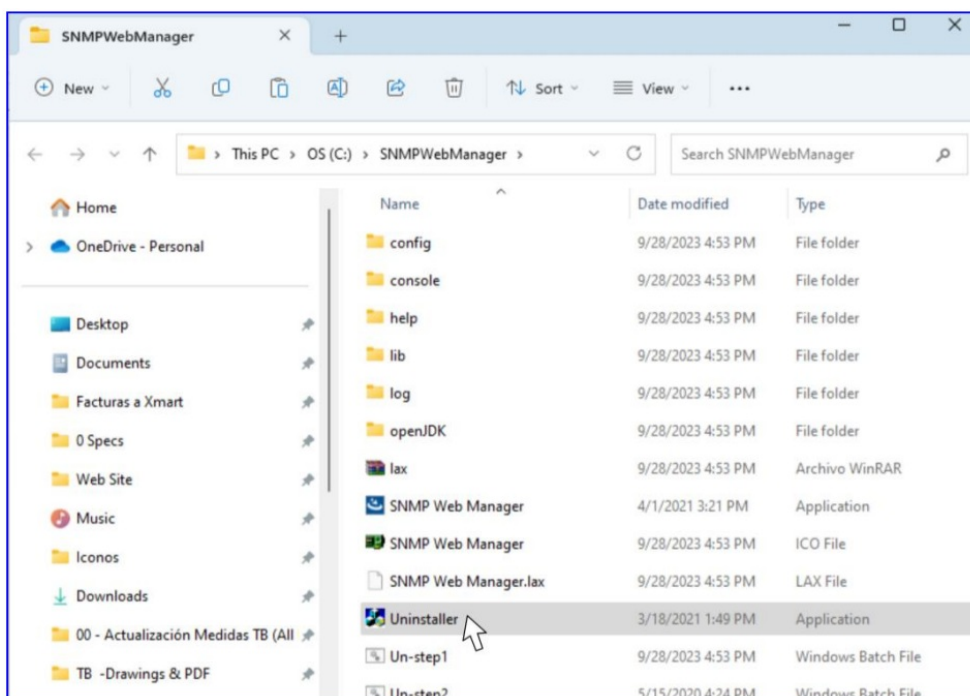
## Uninstalling SNMP Web Manager

## To uninstall SNMP Web Manager:

- Right click on Desk Icon
- A popup menu will display options, as shown in the image on the right.
- Select Open File Location, to access SNMP Web Manager installation folder.
- In the new window opened (SNMP Web Manager folder) double click on “Uninstaller” App to uninstall this software. See next figure as a reference.

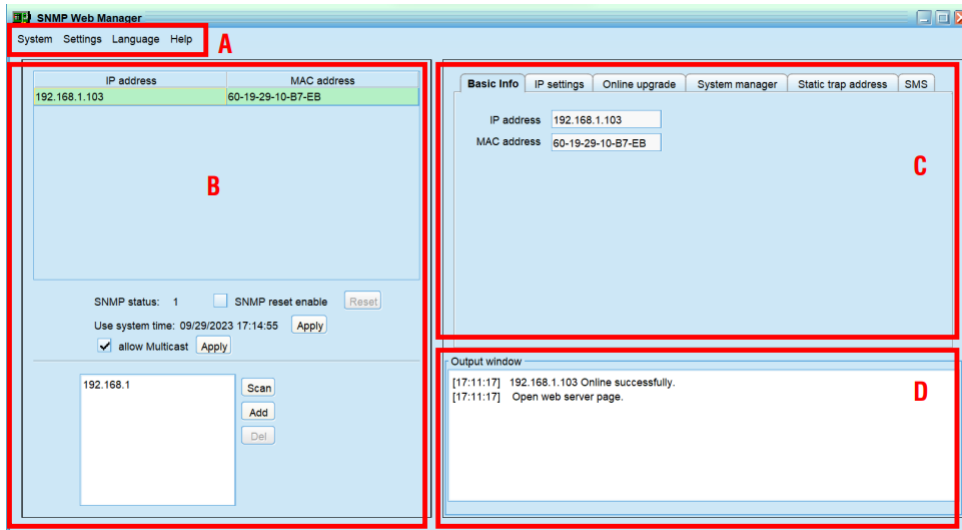


- A popup window will show up asking for confirmation to uninstall this software.
- Selecting “Yes” will automatically remove SNMP Web Manager from your computer.



## SNMP WEB MANAGER GRAPHIC USER INTERFACE (GUI)

When executed, SNMP WEB Manager interface will be displayed, as in the next figure:



According to previous figure, these are interface operational areas:

#### A. Function Menu

In this area you can navigate and set the GUI.

#### B. SNMP Device List

All SNMP devices found by SNMP Web Manager will be listed here.

#### C. Configuration Area

This area covers IP settings, Online Upgrade, Password management, and static trap address.

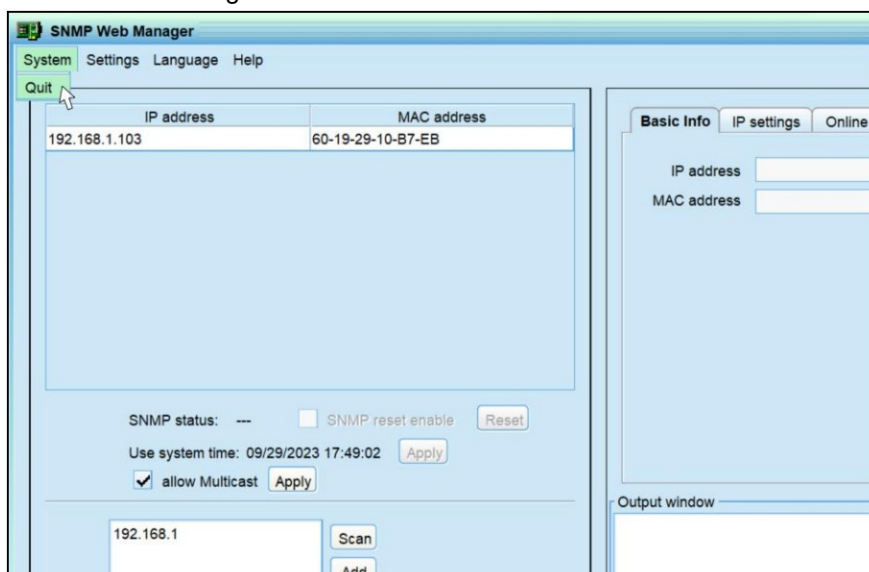
#### D. Output Window

All messages from communication operations are displayed here.

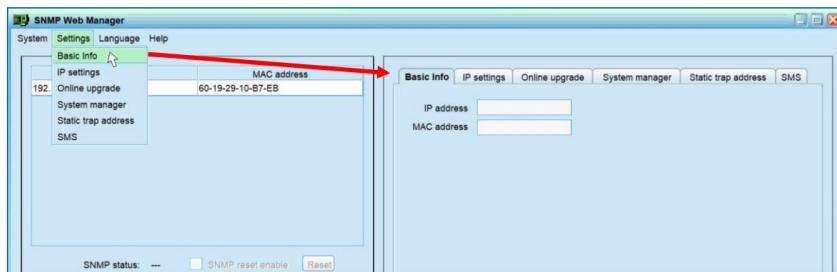
#### Function Menu

In this section contains 3 menus, as follows:

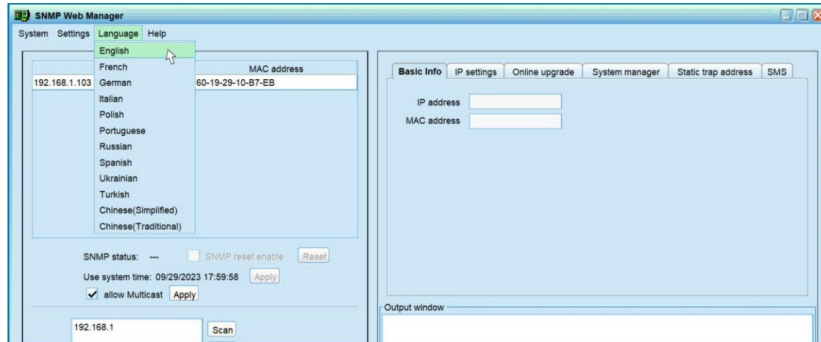
**System:** Selecting this menu opens the option “Quit”, which allows to stop the software and exit from software GUI. See next image for reference.



**Setting:** This menu displays a submenu showing the 6 options shown in area B. Selecting any of these options will open the corresponding Tag in Area B. See next figure for reference.



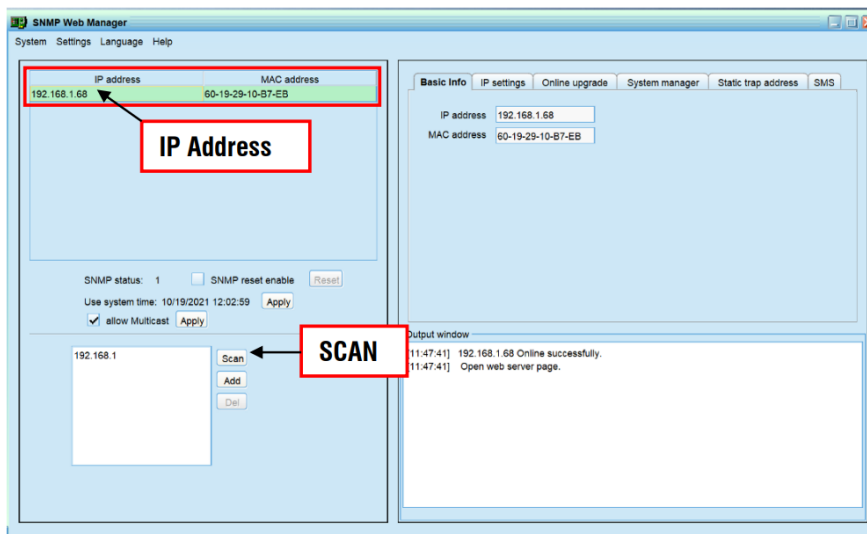
**Language:** This menu deploys a submenu with all languages available. See next figure as a reference.



All language options are shown in previous figure. English is default language setting.

## SNMP Device List

The upper section of this area displays a list of SNMP devices founded by SNMP Web Manager in LAN. The lower section of this area is dedicated to SCAN management. See next image for reference.



**This area includes the following sections:**

### IP Address List:

This zone shows IP addresses of all SNMP devices found by SNMP Web Manager in LAN. Each IP address also shows it's MAC address.

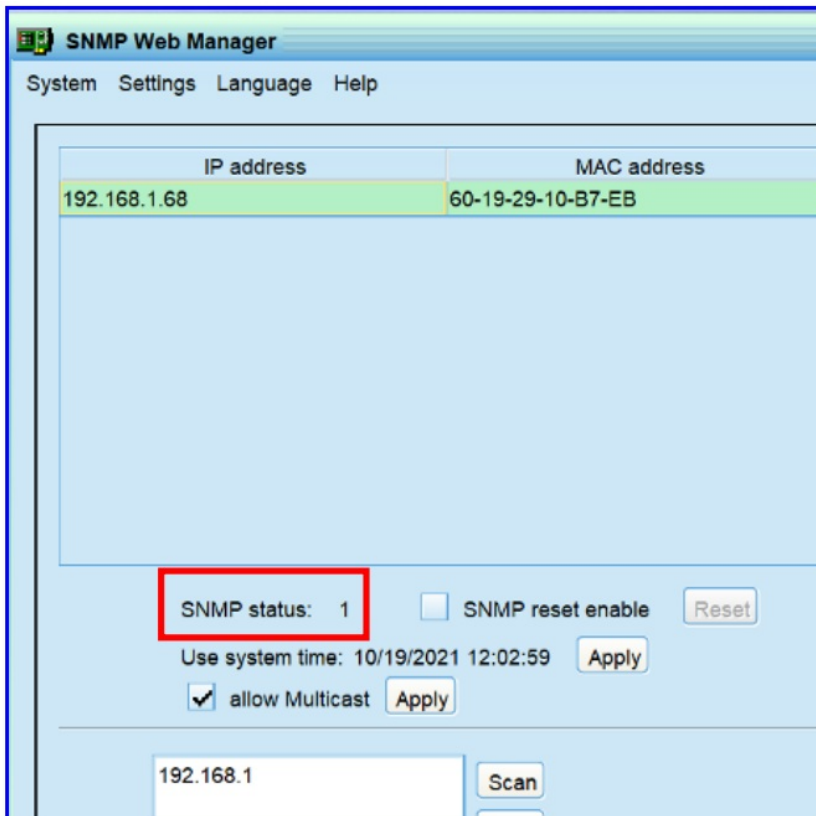
Doble clicking any IP address of the list will open your internet browser showing the SNMP Graphic User Interface (GUI) according to the equipment SNMP Card is connected to. Each type of product (UPS, Solar inverters, ATS) has a specific GUI.

**SNMP Status:** Located under the IP address list, this field shows the status of selected SNMP Card from IP address list. Status options are:

- **1:** meaning that selected SNMP Card contains firmware.



- **0**: meaning that selected SNMP Card does NOT contain firmware.
- **“—”**: No SNMP Card selected.

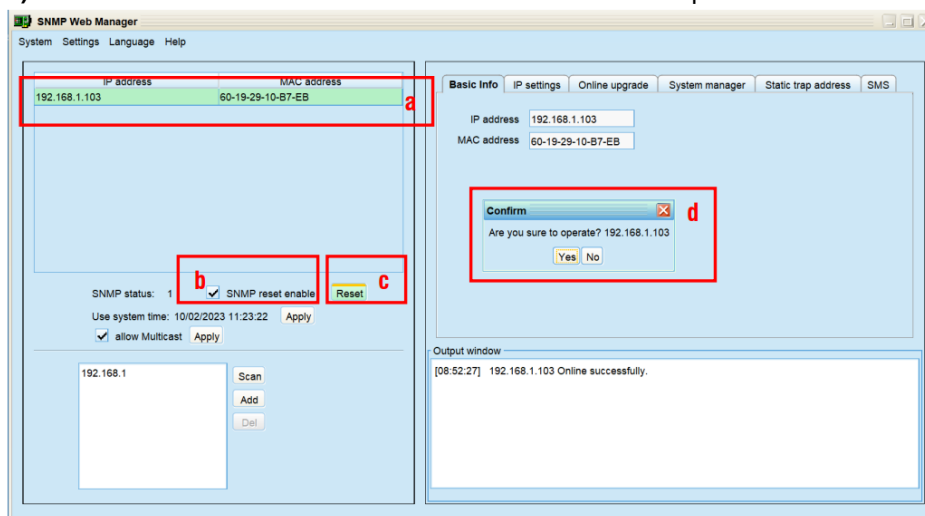


Refer to image on the right.

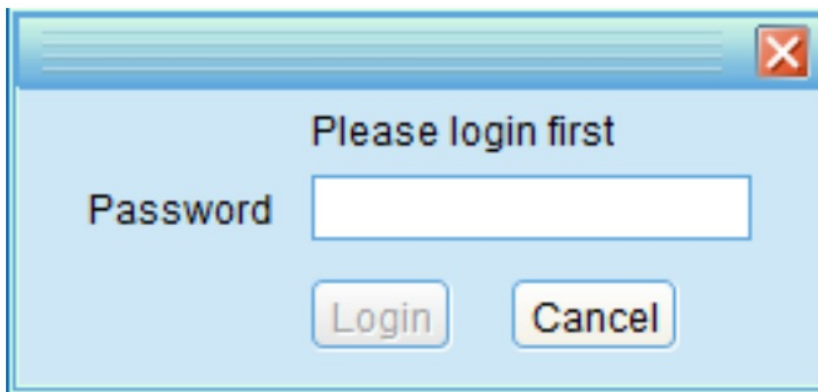
### Reset Button:

This button allows resetting the SNMP Card, using the following procedure:

- Select IP address of SNMP Card to be restarted.
- Click in “SNMP Reset Enable” Checkbox. Reset Button will turn enable.
- Click on Reset Button, then a Confirmation window will popup.
- Click “Yes” to reset SNMP Card or “No” to cancel the operation.



- If “Yes” is selected, a window will popup asking for login password. Enter password (Default: “12345678”) and click “Login” button.
- Target SNMP Card will be restarted.



A login dialog box with a blue border and a red 'X' button in the top right corner. The text 'Please login first' is centered at the top. Below it, the word 'Password' is followed by a white text input field. At the bottom, there are two buttons: 'Login' and 'Cancel'.

**NOTE:**

If MAC address of selected SNMP Card has been changed before reset procedure and IP address is obtained by DHCP (automatic IP address), then it is necessary to manually "Scan" to read IP addresses after a restart.

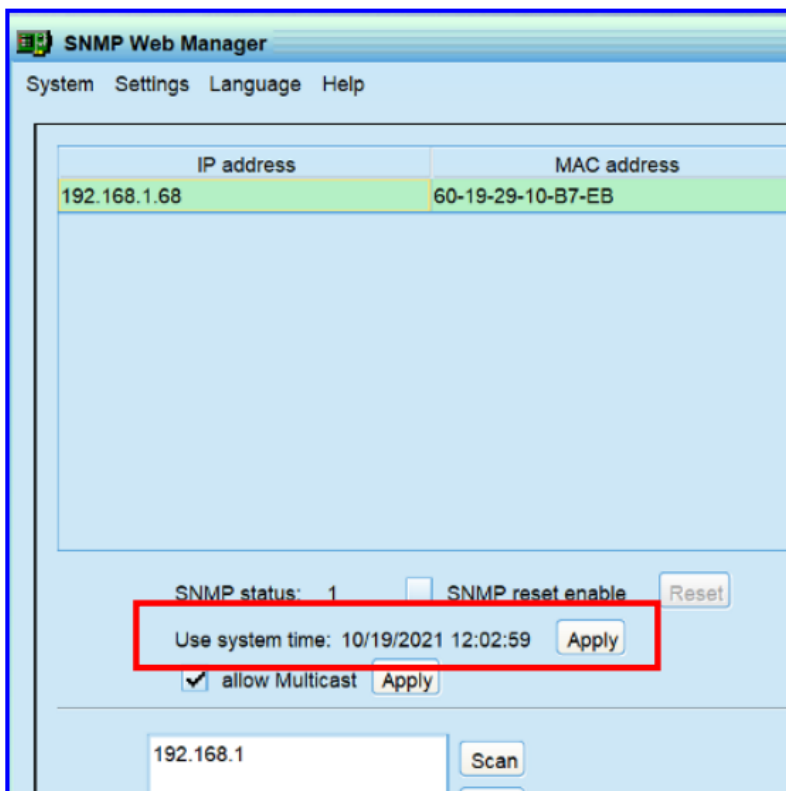
**Use system time:** Clicking "Apply" button makes SNMP Card using local PC system time.

Refer to image on the right.

A Confirmation window will popup asking for confirmation.

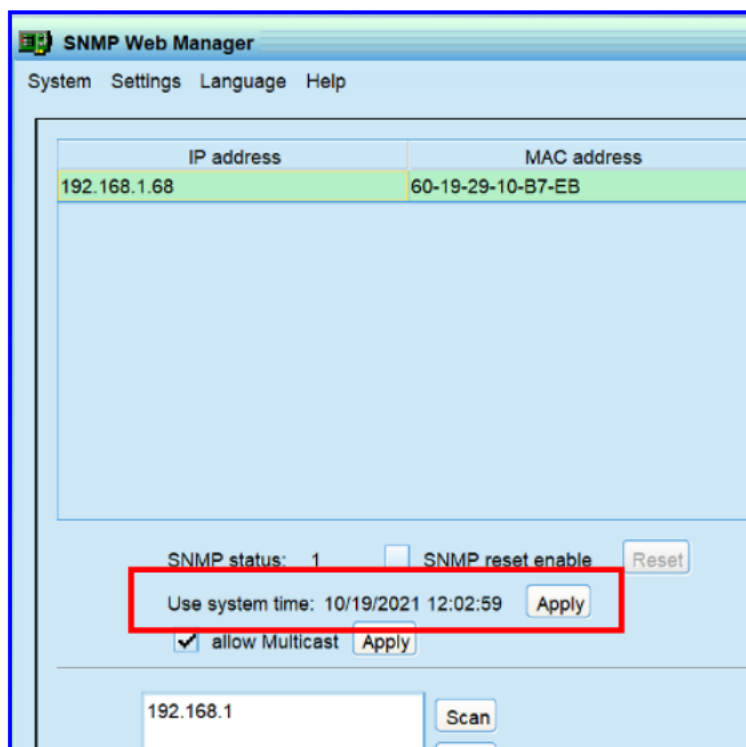
Click "Yes" to execute or "No" to cancel.

If "Yes" is selected, a window will popup asking for login password. Enter password (Default: "12345678") and click "Login" button.



The SNMP Web Manager interface has a blue header with the title 'SNMP Web Manager' and a menu bar with 'System', 'Settings', 'Language', and 'Help'. Below the menu bar is a table with two columns: 'IP address' and 'MAC address'. The first row contains the values '192.168.1.68' and '60-19-29-10-B7-EB'. Below the table is a large empty rectangular area. At the bottom, there are several controls: 'SNMP status: 1' with a checkbox, 'SNMP reset enable' with a checkbox and a 'Reset' button, 'Use system time: 10/19/2021 12:02:59' with an 'Apply' button (this row is highlighted with a red rectangle), and 'allow Multicast' with a checked checkbox and an 'Apply' button. At the very bottom, there is a text input field containing '192.168.1' and a 'Scan' button.

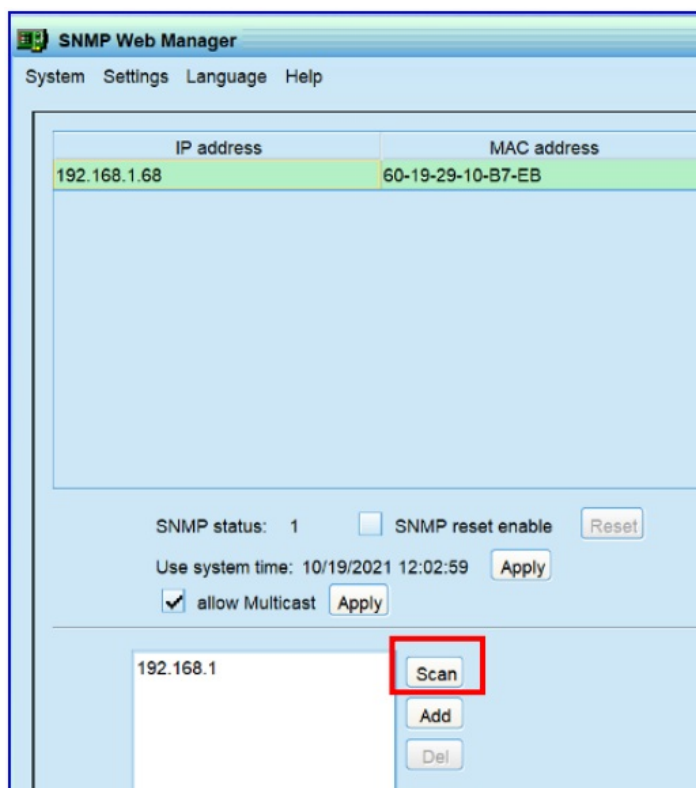
**Allow Multicast:** Clicking this checkbox to allow multicast and make Scan result to appear faster. After selecting, click on "Apply" button.



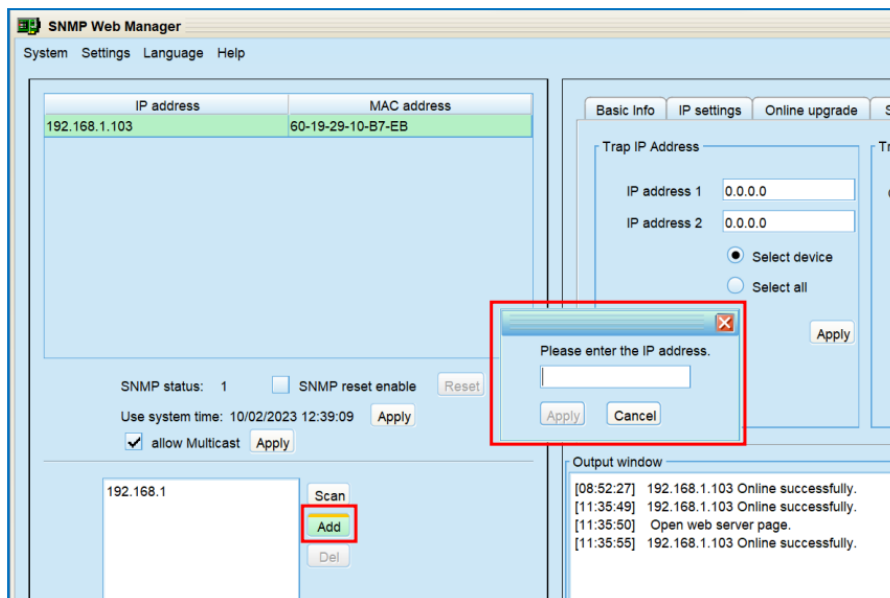
### Scan Window:

This window shows all Network addresses this software can Scan in. Default value in the Scan Window is PC Network address of current IP address. For instance, if the IP address of the current PC is 192.168.102.10, Scan Window will display 192.168.102 when first enabling SNMP Web Manager.

**Scan Button:** Click this button for software to search for all SNMP Cards in all networks listed in Scan Window.



**Add Button:** Click this button to add a new Network address. See next figure for reference.



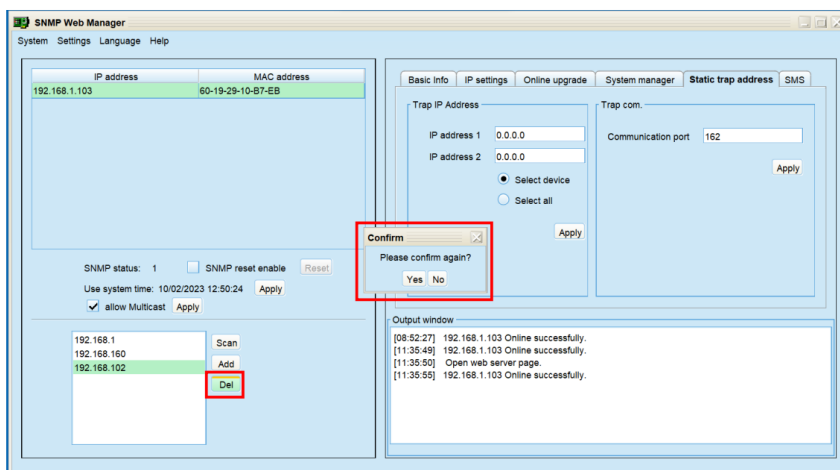
After clicking “Add” button, a window will popup, enter the Network IP address and Click “Yes” to execute or “No” to cancel.

If “Yes” is selected, a window will popup asking for confirmation. Click “Yes” to execute or “No” to cancel.

New added IP address will be displayed in Scan Window.

Repeat this procedure as needed, to include required Network Addresses.

**Del Button:** Click this button to delete unnecessary Network address from Scan Window. See next figure for reference.



1. Select network address to be deleted from Scan Window.
2. Click “Del” button, a window will popup asking for confirmation. Click “Yes” to execute or “No” to cancel.
3. If “Yes” is clicked, selected Network Address will be eliminated from Scan Window.

## Configuration Area

This section will be explained in next chapter.

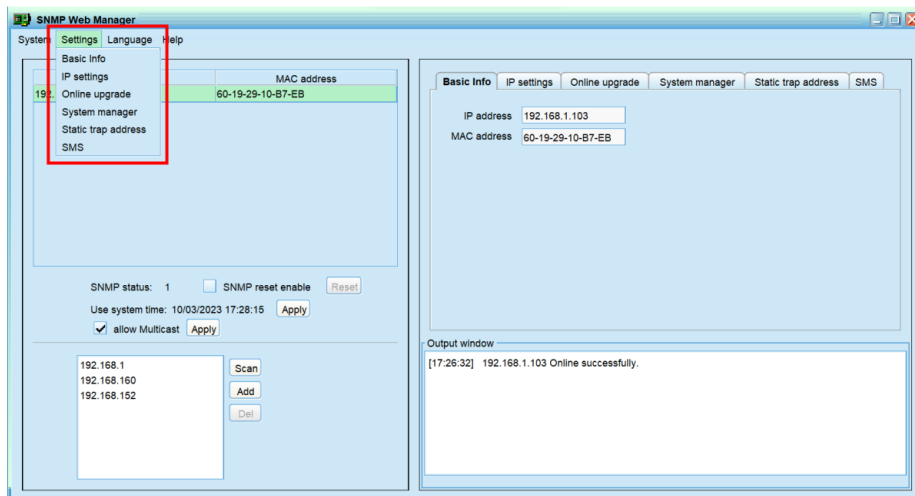
## Output Window

This section will be explained in next chapter.

## SNMP WEB MANAGER SETTING AND MESSAGES

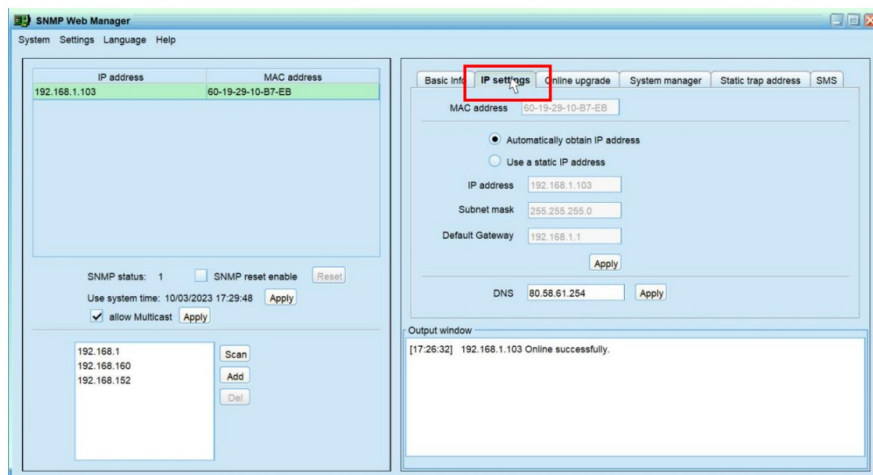
After selecting IP address of a given SNMP in Device List, there are two different ways to access Configuration Area:

1. Clicking Setting Menu and then selecting requested option. See next image for reference.



This will display information related to selected IP address on the Configuration Area.

2. Clicking directly on requested tag in Configuration Area.

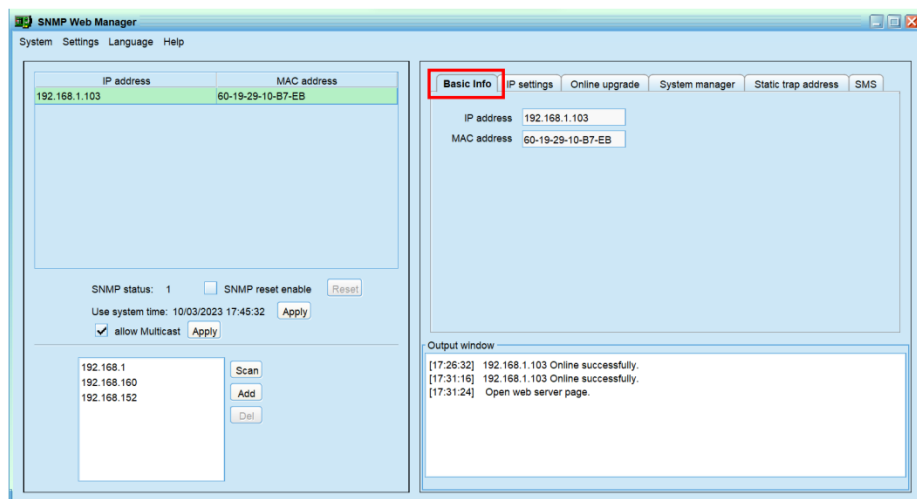


This is a direct access to desired setting area.

**These are available setting areas:**

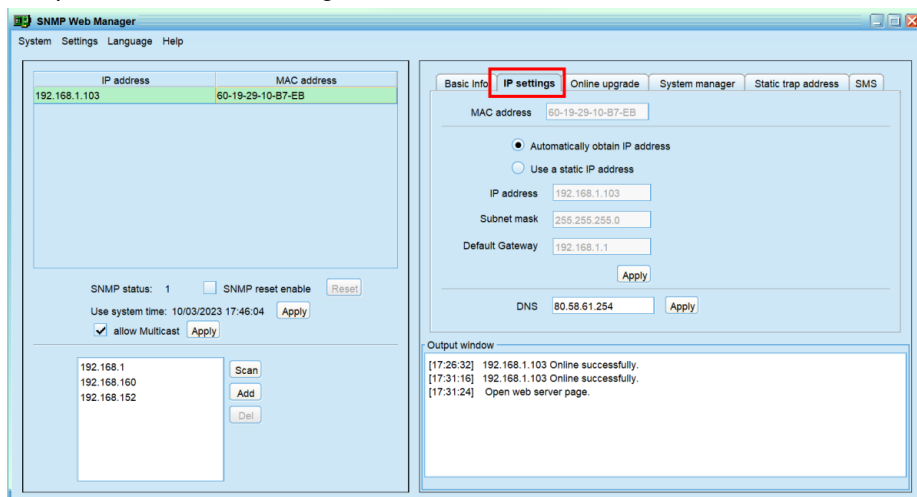
### Basic Info

Displays IP and MAC addresses of selected SNMP Card. See next figure for reference.



## IP Setting:

Displays MAC and IP addresses of selected SNMP Card, as well as IP address details such as: Subnet Mask, Default Gateway, and DNS, as well as the SNMP assignment system (Automatic or Manual) and allows to change last parameter. See next figure for reference.



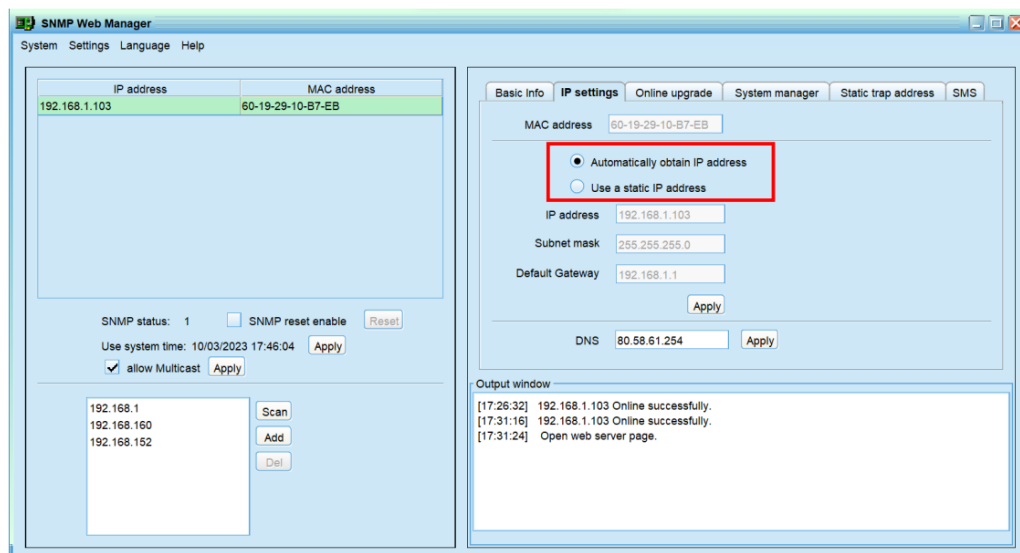
**For DHCP Systems, Automatic IP Addresses:** Each SNMP device obtains its IP address on start, no user action is required. This is default setting for SNMP Web Manager, and IP Address, Subnet Mask, and Default Gateway can't be changed in this mode, as they are automatically provided in LAN.

**For Manually IP address assignment:** In these systems, each IP address must be assigned by administrator level user.

**In Manual systems, SNMP Web Manager Interface will display the following data:**

- **IP address:** 192.168.102.230
- **Netmask** 255.255.255.0
- **Default Gateway:** 0.0.0.0

Next image shows where to configure the IP assignment to match LAN operation.



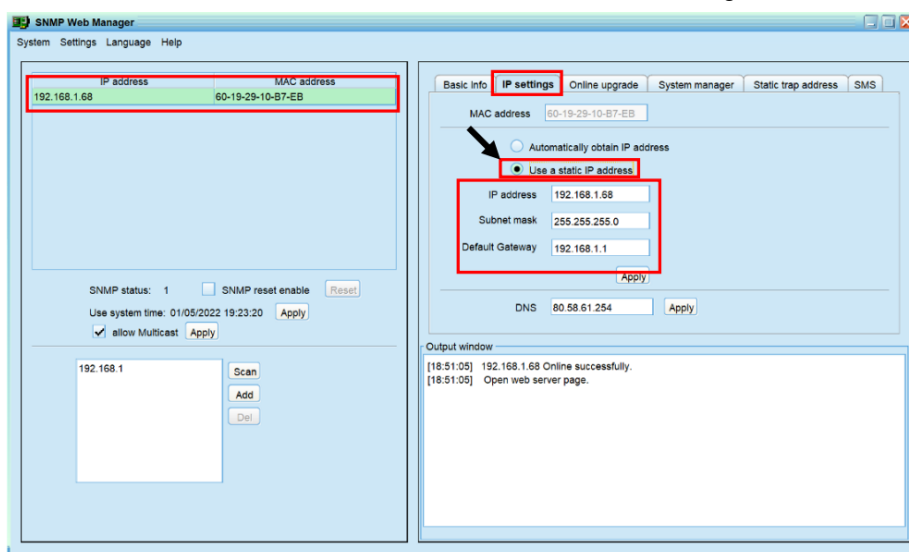
**DNS Setting: To change DNS, follow this procedure:**

- Type in DNS.
- Click on “Apply” button.

### Establishing Communication in Static IP Network

If the network where SNMP Card is connected is a static IP network, then Network Administrator must assign an IP address to SNMP card, for being the one responsible for network safety restrictions. This is the Static IP Address assignation procedure for Xmart SNMP Cards:

1. Equipment with SNMP card (UPS, Solar Inverter, or ATS) must be ON
2. One PC with SNMP Web Manager must be connected to the SNMP card directly by a RJ45 cable, without passing thru any router. There are recent SNMP cards that can be detected though the network. For those cards PC can be connected to the network and try to contact the SNMP card.
3. SNMP Web Manager must detect SNMP card automatically. If not, a manual SCAN must be done. Scan process could take between 2 to 5 minutes. Repeat scan if necessary.
4. Select the IP shown in the left area of the SNMP Web Manager screen. See next figure for reference.



5. Open IP SETTINGS tab and select option: “Use a Static Address”.

**NOTE:** If system does not allow modifications, SCAN again, and repeat previous steps.

6. Manually enter static IP address, Subnet mask y Default Gateway.

7. Click on APPLY button to save modifications

If SNMP Web Manager asks you for password, enter password: 12345678. Then select APPLY again to save modifications. System must show message: “**OPERATION SUCCESSFULL**”.

**Once you know SNMP Card IP Address, there are 2 ways to monitor it:**

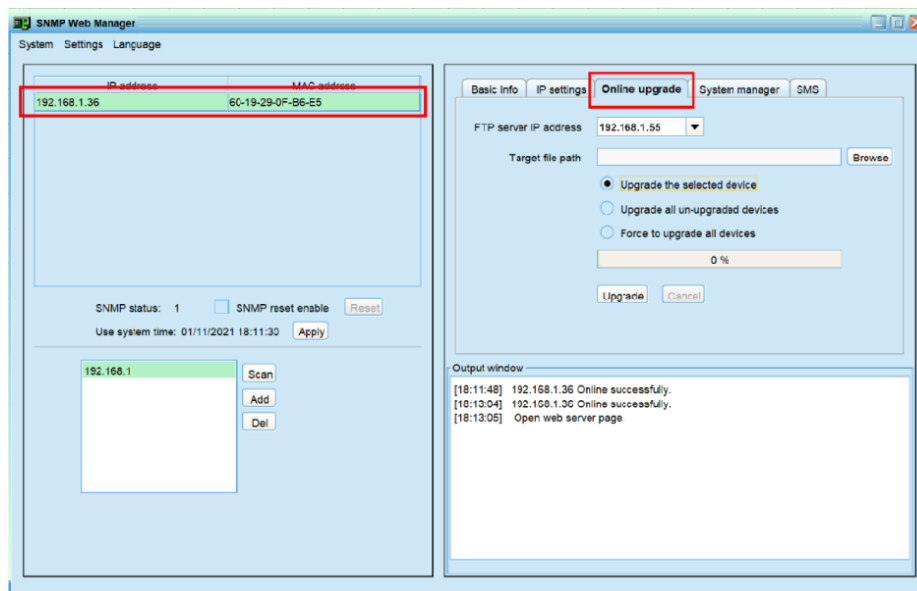
- Double clicking selected IP Address on **SNMP Web Manager**.
- Entering IP Address in your WEB Browser Address Bar.

Either way your WEB Browser will open a **WEB** Page to show **SNMP** Web Pro interface, communicating with identified **SNMP** card. GUI will change according to equipment **SNMP** card is communicating with.

This option allows upgrading SNMP card firmware.

First, click on IP address of SNMP Card to be upgraded, then click on “Online Upgrade”.

See next figure for reference.



**FTP Server IP address:**

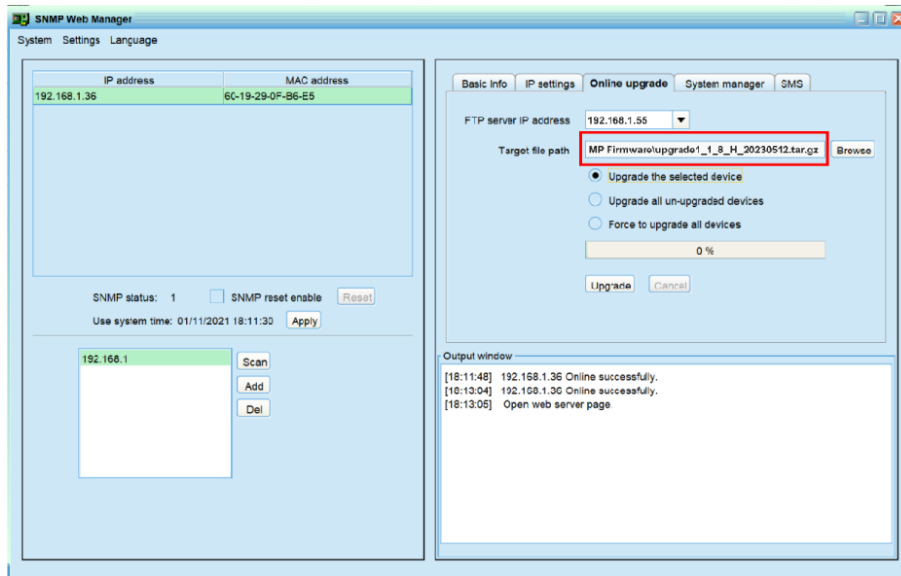
- If applying upgrade from SNMP Web Server in LAN, FTP server IP address is IP address of current PC in LAN.
- If applying upgrade from SNMP Web Server in specific networking, FTP server IP address is IP address of current PC in Internet.

**Browse Button:** Allows selecting, in your computer, firmware file to be sent to SNMP card. Please keep this in mind:

- Firmware file name must have this extension: “**.tar.gz**”
- **IMPORTANT:** Disable **FIREWALL** and antivirus since they could stop the download process and SNMP card might get permanently damaged.
- Make sure you are communicating with the right SNMP card to be upgraded, confirming that IP address in your browser address bar corresponds to the card to be upgraded.
- To perform this process, you will be asked to log in as administrator.

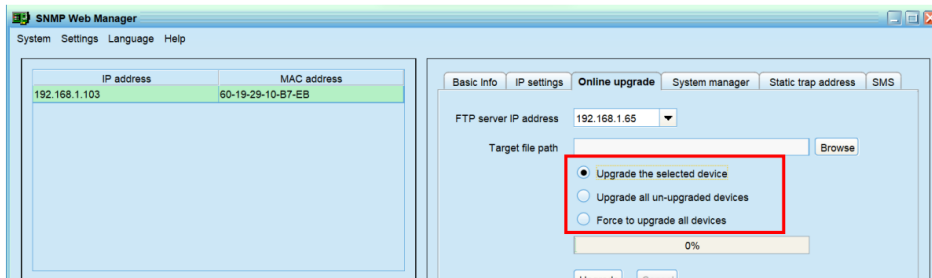


After selecting the firmware file, the window will look like the next image:

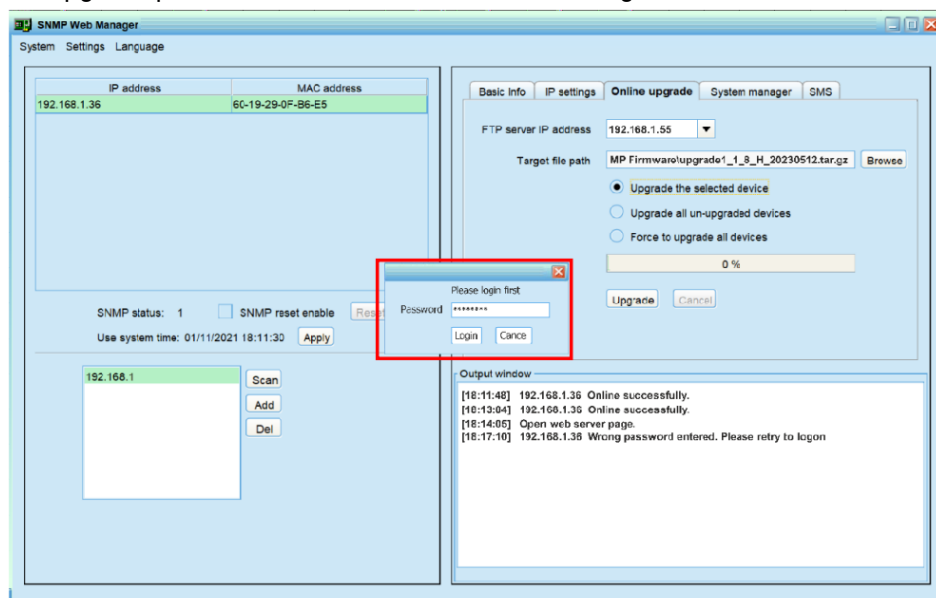


There are three methods for online upgrade. Select the appropriate option according to what is needed:

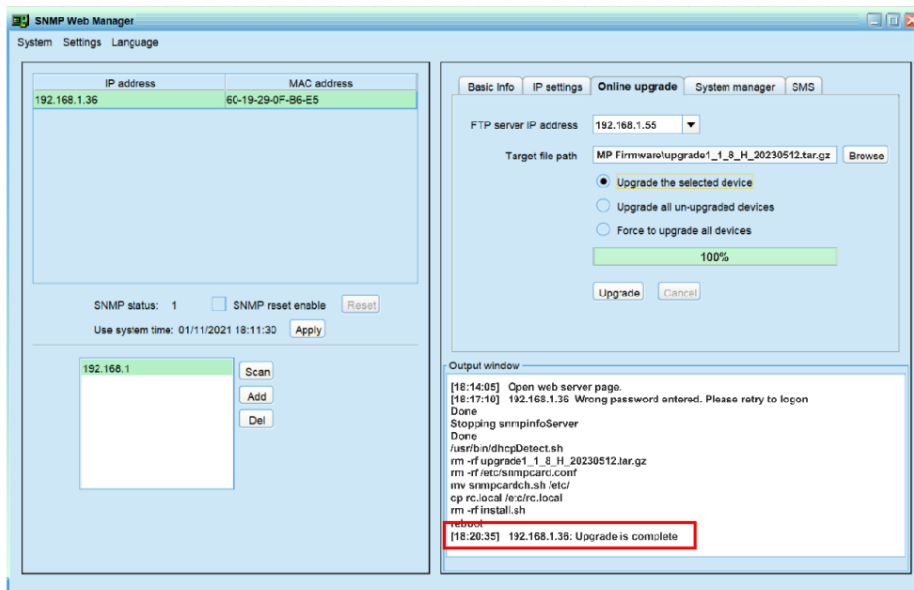
- Upgrade the selected device: This option upgrades only SNMP card selected in the window.
- Upgrade all un-upgraded devices: This option only upgrades SNMP cards with Firmware version older than Firmware version for currently selected SNMP Card.
- Force to upgrade all devices: No matter what versions are used for SNMP devices listed in the window list; this option will upgrade all devices to the latest version used in the current SNMP device. See next figure for reference.



**Upgrade Button:** Click to send upgrade file will to selected card. Software will ask to login as administrator to start the upgrade process. Enter “12345678”. See next figure for reference.

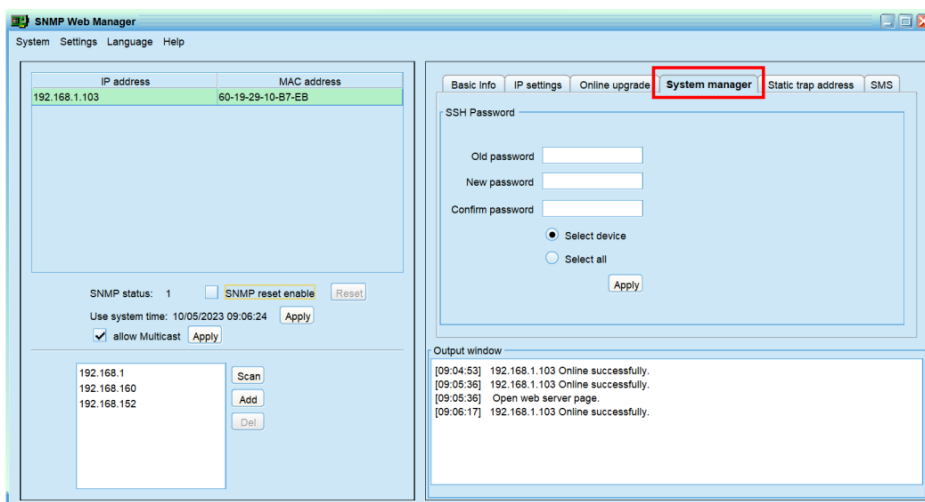


Progress Bar will keep you informed about upgrading status and Output Window will show individual actions performed during the process. When upgrade is complete, Progress Bar will show 100% and Output Window will display the message “Upgrade is Complete”. See next figure for reference.



## System Manager

This section allows to change the SNMP Web Manager administrator login password for SNMP listed in device list window.



**Old Password:** Enter current login password.

**New Password:** Enter new login password.

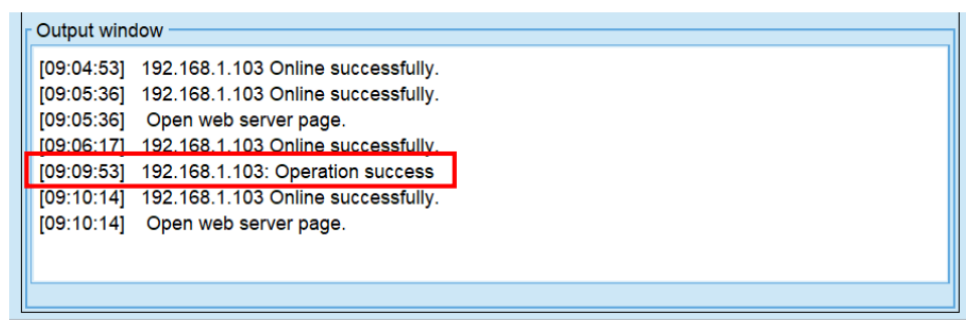
**Confirm Password:** Enter new login password again, as a confirmation.

**Select device:** Select this option to change Login password only for selected SNMP Card in Device List window.

**Select all:** Select this option to change Login password for ALL SNMP Card in Device List window.

**Apply:** After entering all info, click this button to apply all changes.

After applying changes correctly, Output Window will display confirmation message “**Operation Success**”, see next image for reference.

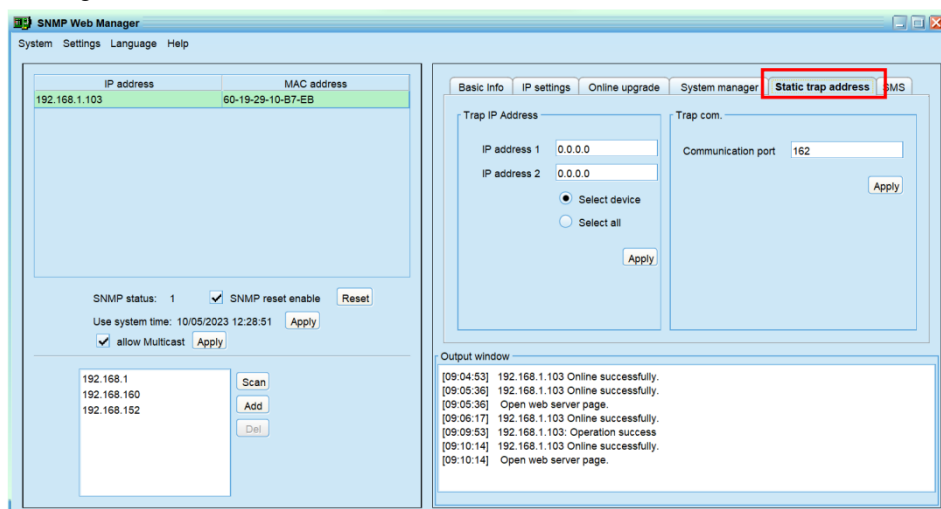


## Notes:

- Password must be 8 to 15 characters long.
- To change password for ALL SNMP Cards, Old Password must be the same for all SNMP devices.
- Password can't be recovered, therefore, if it is lost significant changes will no longer be available and SNMP Web Manager will have to be reinstalled to return to original configuration.

## Static Trap Address

**SNMP** Web Manager allows defining 2 Static Trap Addresses and changing Trap Port. Default port is 162. See next figure for reference.



Each SNMP Card in LAN can manage 2 Static Trap Addresses and 8 Dynamic Trap Addresses.

IP Address of host computer running communication software will be obtained by all SNMP Cards as Dynamic Trap Address.

If any Dynamic Trap Address remains inactive for over 10 minutes, SNMP Cards will automatically release it and obtain a new Dynamic Trap address.

**IP Address 1:** Enter here first Static Trap Address

**IP Address 2:** Enter here second Static Trap Address

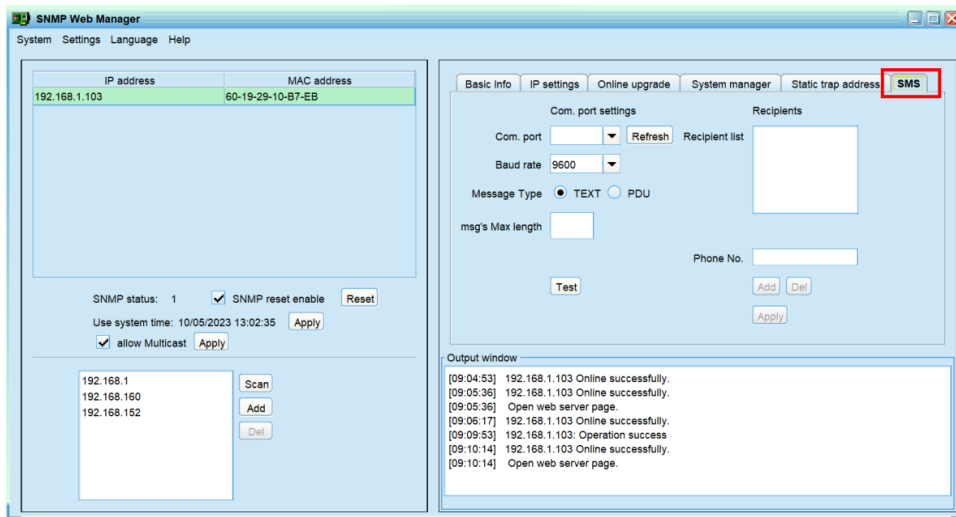
**Select Device:** Click this option to set Static Trap Addresses only for selected SNMP Card in SNMP Device List.

**Select All:** Click this option to set Static Trap Addresses for all SNMP Card in SNMP Device List, at the same time.

**Apply Button:** After entering Static Trap Addresses, click this button to send changes to SNMP Card.

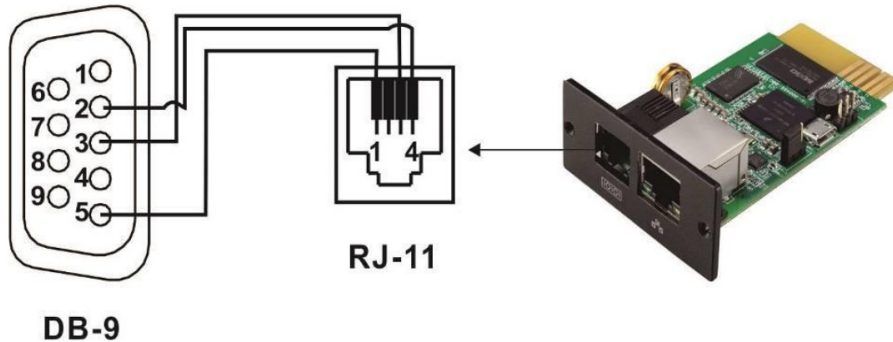
## SMS

**SNMP** Cards can send messages about alarms or events of equipment they communicate with (UPS, Solar Inverters, ATS). This section allows configuring a list of SMS recipient for selected SNMP Card **FOR TEST PURPOSES ONLY**. See next figure for reference.



**Note:** SMS can only be sent through a GSM Modem connected to secondary port of SNMP Card (B Port). This is the same port to connect Environmental Measuring Devices (EMD), therefore sending SMS via serial port is not compatible with EMD. Pin-out for GSM Modem connection to SNMP card is shown in the next figure:

Cable not included. (PIN 2 to 4 / PIN 3 to 3 / PIN 5 to 1)



Please configure your GSM Modem Baud Rate as 9600 and make sure it is connected to SNMP Port B. Please keep in mind that this setting is **FOR TEST PURPOSES ONLY**.

#### Communication Settings

**Baud Rate:** Communication Baud Rate.

**Message Type:** For Text Messages, select TEXT.

**Msg's Length:** Max. number of characters to be allowed in each SMS sent.

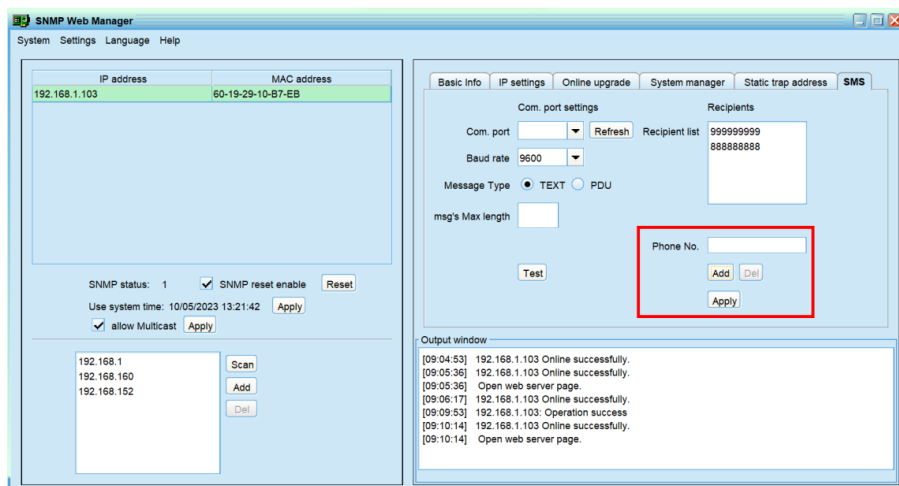
#### Recipients List Setting:

**Recipients:** All recipient phone number added to the list, will be displayed in this window.

**Phone No:** Enter the Phone Number to be added to the recipient list.

**Add Button:** After typing the Phone Number to be added to the Recipient List, click this Button to add it to the list. Immediately the entered number will show in the Recipient List.

**Del Button:** To delete a Phone Number from the list, select it in the Recipient List window, then click "Del" button. Selected Phone Number will be eliminated from the list immediately.



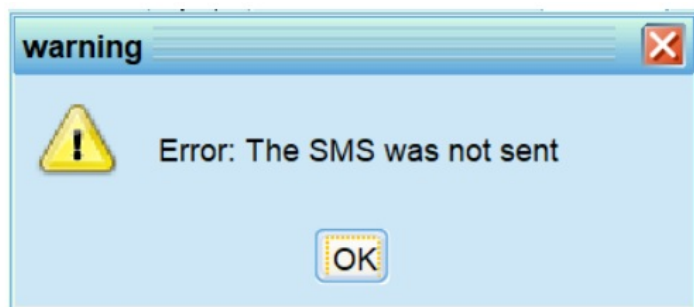
**Apply Button:** After entering all Recipients in the list, click “Apply” button to save all data.

**Test Button:** After saving all data, click “Test” Button to send a test message to Recipient List.

If all parameters are set up correctly, software will send a test message to all receivers and pop up a Success Message as shown on the right.



Otherwise, software will pop up an Error Message as shown on the right.



#### IMPORTANT NOTES: SMS SETTING IS FOR TEST PURPOSES ONLY.

If it is required that SNMP Card sends event or alarm SMS, then it is necessary to use LAN software, such as View Power Pro (for UPS, and Inverters), SolarPower Pro (for Solar Inverters), or SNMP Web Pro Interface.

Regarding **ViewPower Pro** and **SolarPower Pro**, both can be downloaded from **Download** section of our WEB Site ([www.xmart-ups.com](http://www.xmart-ups.com)) along with their respective user manuals.

Regarding SNMP Web Pro, this is the natural interface for SNMP Cards when they are contacted from an internet browser. Therefore, it does not require installing any software. However, it is necessary to read and understand SNMP Web Pro configuration, included in SNMP Card User Manual, also downloadable from Xmart SNMP Card Page in our Web Site,

Either you are using **ViewPower Pro**, **SolarPower Pro**, or **SNMP Web Pro** interface, it is necessary to configure SNMP Card to send SMS in Event Action Menu, and then configuring all settings of SMS Menu. All these details

are explained in respective User Manual.


**USA Main Offices:** Doral, FL 33172. USA

**EUROPE Main Offices:** Sabadell 08202. Spain

**Latin America Main Offices:** Santiago de Chile, Chile



## Documents / Resources

	<a href="#">Xmart SNMP Web Manager</a> [pdf] User Manual SNMP Web Manager, SNMP, Web Manager, Manager
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## References

- [xmart-ups.com](https://xmart-ups.com)
- [xmart-ups.com/](https://xmart-ups.com/)
- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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