

Basic Communications Guide

ZGR VERSATILE

ZGR INFLUENCE



ZGR VERSATILE / INFLUENCE

Three-phase ONLINE UPS



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1 PRECAUTIONS

1.1 General Precautions

These warnings refer exclusively to hardware and aspects related to its installation, security, handling and use of hardware (UPS and its physical components).

For your own safety and to ensure proper operation of the unit, please read and understand the instructions contained in this document before beginning any work with the equipment.

Keep these instructions in a location accessible to personnel responsible for the installation, commissioning, operation, or maintenance of the unit.

The installation, commissioning, maintenance and any intervention inside the equipment must be carried out exclusively by qualified and duly authorised personnel.



Hazard warnings. The inside of the UPS may contain parts that are subject to dangerous electrical voltages, even after power has been disconnected. Pay special attention to printed circuits, terminals, contacts, connection points, and other electrical elements.

Before opening or accessing the interior of the equipment, disconnect all power sources, both alternating current and direct current, and wait at least 5 minutes to allow the internal capacitors to discharge.

Do not remove covers or protective equipment from the equipment while there is a risk of contact with live parts.

Modifications and repairs. No modifications must be made to the construction, circuits, protection systems or safety elements of the unit without the express authorisation of ZIGOR.

Repairs, replacements of electronic components, modules or boards and any intervention that may affect the safety or operation of the equipment must be carried out in accordance with the procedures established by ZIGOR and, where appropriate, by authorised personnel.

It is recommended to use only original spare parts and components or those expressly specified or authorised by ZIGOR.

The units do not contain elements intended to be handled or repaired by the user, except for those specifically indicated in the corresponding documentation.

Unauthorized modifications or interventions may compromise the safety and operation of the unit. ZIGOR will not assume the consequences of damage or failures that are directly attributable to modifications, repairs or interventions carried out without authorization or outside the established procedures.

Installation and commissioning. Installation must be carried out in accordance with the installation instructions, the technical specifications of the equipment and the applicable regulations, by duly qualified personnel.

Once the installation is complete, the system must be checked by qualified personnel before it is put into operation.

An incorrect, negligent installation or installation carried out outside the established specifications may compromise the safety and operation of the equipment. The consequences directly derived from such actions will be outside the scope of ZIGOR's responsibility, to the extent permitted by applicable law.

General precautions. There is a risk of electric shock. Do not remove the protective covers or access the interior of the UPS unless authorized and the corresponding safety measures have been previously adopted.

If any liquid spills on the equipment, disconnect the unit when it can be done safely and seek assistance from qualified personnel or the appropriate ZIGOR service.

If you have any questions regarding the installation, operation, maintenance or safety of the equipment, please consult the corresponding official documentation or contact ZIGOR.

The above indications are without prejudice to the rights, guarantees and responsibilities that are applicable in accordance with current legislation.

1.2 Environmental precautions



Disposing of packaging in an ecological way: ZIGOR, based on the exceptions detailed in the First Additional Provision of Law 11/1997 on commercial or industrial packaging, informs that the final owner of used packaging and packaging waste, as responsible for it, must deliver it in the appropriate conditions for reuse, to an authorised recycler, recycler or revaluer.

The subassemblies of the system are recyclable products and cannot be treated as household or municipal waste at the end of their useful life.

To preserve the environment, manage them in accordance with the environmental regulations and requirements in force in each country or community. If in doubt, consult the manufacturer.



Correct disposal of the product: This electrical-electronic device (EEE) is marked with the symbol of compliance with the European Directive 2012/19/EU (WEEE) in relation to used electrical and electronic equipment (Waste electrical and electronic equipment WEEE, RD 110/2015).

The Directive sets out the general framework valid throughout the European Union for the removal and reuse of EEA waste.

To dispose of this product and ensure its proper management, follow the local environmental legislation and regulations in force. In this way, you will contribute to the conservation of the

The wheeled container crossed out on the product, either on the documentation or on its packaging, means that electrical and electronic devices and batteries must be collected separately at the end of their life cycle.

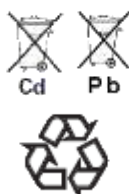
Prior to depositing WEEE at your collection facility, batteries must be removed and deposited separately from the rest for proper management, in accordance with applicable local legislation and environmental regulations.

Never dispose of it with household waste. This will help preserve the environment.

These symbols are valid in the European Union and in places where separate collection systems exist.

Correct disposal of batteries: Used batteries are reusable consumer products and a recycling process must be carried out.

Used batteries that do not go through the recycling process must be disposed of according to the instructions regarding special waste, in accordance with the regulations and environmental requirements in force in each country or community. This requirement applies in the European Union and in those places where separate collection systems exist.



If in doubt, check with the manufacturer.

In this way, it will contribute to the conservation of the environment.

2 OBJECTIVE AND SCOPE OF THIS BASIC GUIDE

The goal of this guide is to show some of the basic and most commonly used features.

Its content is informative and practical in nature, and is not intended to replace official documentation, user manuals or technical information published by the manufacturer/developer.

The developer freely provides the software and complete manuals downloadable from its website:

<https://www.megatec.com.tw/software-download/> (NetAgent Utility CD and User Manual sections)

From this section onwards, the references, explanations and procedures described refer exclusively to the software, its functionalities, configuration and use.

Indications relating to the UPS hardware, its installation, safety, handling, maintenance or physical characteristics are outside the scope of this section and must be consulted in the corresponding documentation.

Due to the diversity of existing software versions, operating systems, computers, and configurations, certain features may differ or be limited depending on the environment used.

The information and support available from us for operating systems other than Microsoft Windows may be more limited. In these cases, we recommend consulting the documentation provided by the developer for the relevant software and operating system.

If you do not find a solution in this documentation, you can send us the incident or query. We will try to facilitate communication with the developer to obtain additional information or a specific response to the problem or question raised.



Currently our catalog of communication cards is made up of; the "Basic" model and the "PRO" model

They are easily distinguishable by the color of the PCB board and the same color of the embedded web environment.

Both share 100% of the common options and functionalities detailed in this Guide.

Its main difference lies in its processing capacity and ability to update new functionalities and future firmware, in favor of the "PRO" model, which has:

- BACnet compatibility, 1Gbit connectivity, Telegram/Wechat/other notifications..., connectivity through RESTful Post API, advanced environmental monitoring options temp/wet/water/others..., and monitoring through the NetAgent cloud.

3 HOW TO DISCOVER AND KNOW YOUR IP ADDRESS



ATTENTION

It is not necessary to open or disassemble the UPS to install or configure the Communications card.

The card installs securely and without risk of electric shock in the smart slot on the rear panel of the UPS equipment.

If you are not familiar with device discovery procedures on an IP network, you can use Netility, a tool that allows you to locate compatible cards installed in UPSs on the network.

Netility is included in the NetAgent software package and can also be obtained independently.

This procedure is mainly aimed at computers with Microsoft Windows versions, although the screens can be easily identified in other operating systems.

3.1 Netility Software Installation and IP Detection

For current versions of Netility (6.0 or later), especially with Windows 11, it may be necessary to additionally install Npcap. <https://npcap.com/#download>

If Npcap is not installed, Netility may request its installation at startup.

Versions 5.2.1 and earlier may have incompatibilities with Windows 11. These versions are primarily geared towards Windows 10 and earlier.

Once installed, it is recommended to launch Netility with Administrator permissions.

- Right-click on the Netility icon → "Run as administrator".

When you launch Netility, the search for compatible communication cards will automatically begin.

Typically, the PC and UPS are connected to the same local network, usually via a router or switch. If the network has DHCP, the card will automatically receive an IP address, which can be displayed in Netility when detected.

If there are multiple compatible cards on the network, a line will appear for each of them.

It is also possible to connect the PC directly to the card using an Ethernet network cable. In this case, detection may take several additional seconds and will depend on the network configuration of the PC and card.

Netility uses broadcasting discovery mechanisms to locate compatible cards accessible from the PC. Therefore, it is not necessary to know the IP address of the card beforehand.

As a general rule, it can be detected even if it is located in different subnets and network masks.



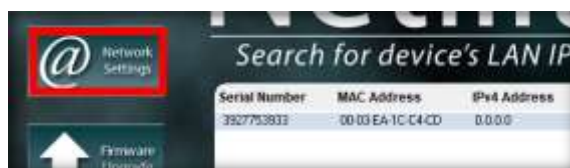
If the card doesn't appear, check your network connection and any network restrictions, such as firewall, VLAN, or device isolation.

3.2 Manual IP configuration using Netility

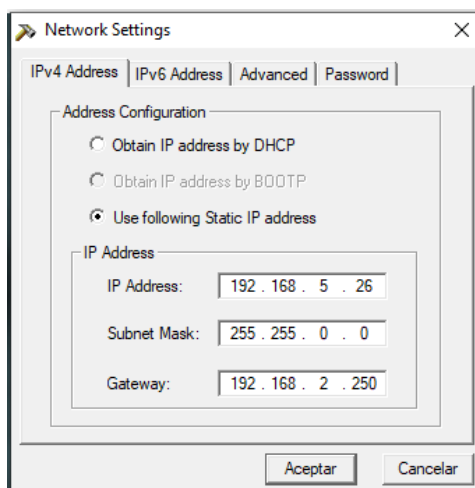
By default all cards are delivered with IP mapping system in automatic DHCP mode, but it can be changed to manual mapping mode as follows:

Once the Netility software has recognized the card(s);

- Select the card line you want to modify and press the "Interface Settings" button



- Select "Use Following Static IP address"
- Assign the desired IP



- Press OK
- Wait approximately 1 minute for the card to restart with the new IP settings

**ATTENTION**

Remember that the IP will need to be assigned within the ranges and subnet of your facility.

Check the configuration of other systems or contact your IT support if you are unable to communicate once the new IP has been established.

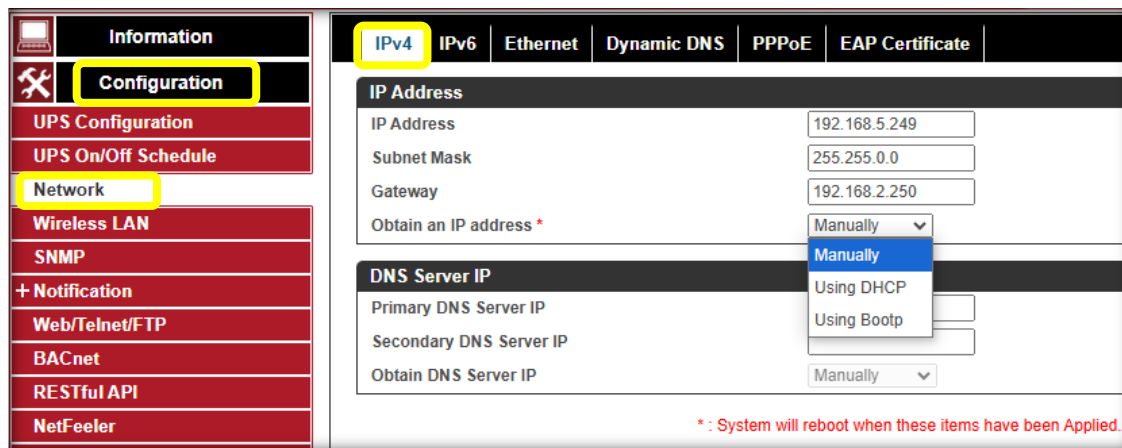
As a rule, Netility software is able to detect compatible cards in any IP range and mask.

3.3 Manual IP configuration via integrated web server

By default all cards are delivered with IP mapping system in automatic DHCP mode, but it can be changed to manual mapping mode as follows:

If you already know the currently assigned IP, and without any other additional proprietary software:

- Access the card's built-in web server through your preferred internet browser.
- Access CONFIGURATION / Network
- In the IPv4 tab, it allows the change of working mode.



Among other options, configuration for IPv6 networks and DDNS remote connectivity are available, if the card is connected to a public network with dynamic IP.

Refer to the help to understand these functionalities.

**ATTENTION**

Remember that the new IP may be outside the initial range and netmask, and therefore could lose connectivity.

Check your computer's IP settings or contact your IT support if you are unable to communicate once the new IP has been established.

As a rule, Netility software is capable of detecting compatible cards in any IP range and mask. You can use that software resource if you don't know the current assigned IP.

3.4 UPS Configuration

Once the new IP of the card has been assigned, you can access the configuration of the card from the Netility button "Launch Web User Interface" itself, or from your usual internet browser; Safari, Chrome, Edge, Firefox,...

Familiarize yourself with the menu and preferred management options.

Each card model may have its own list of web server options.

Not all options or protocols are outlined in this guide, only the most common ones.

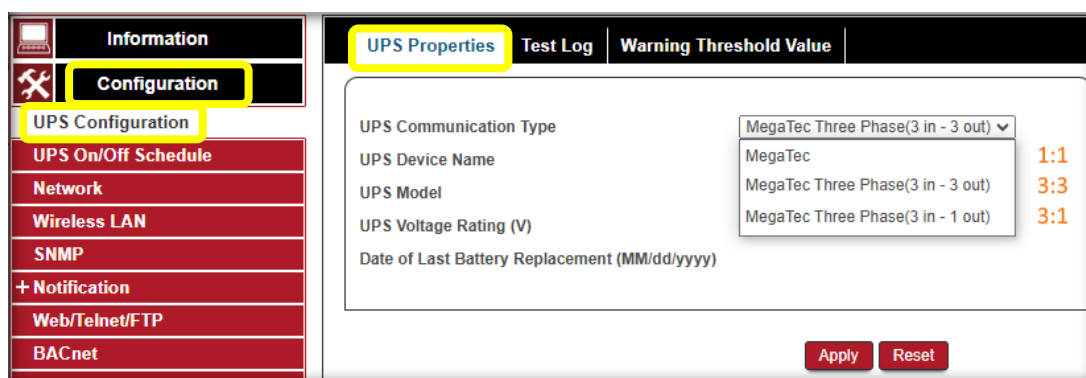
Not all technical definitions are described. Please refer to the official documentation.

IMPORTANT:

For the UPS monitoring to be correct, it is necessary to configure the Communication Type between both UPS<>Card.

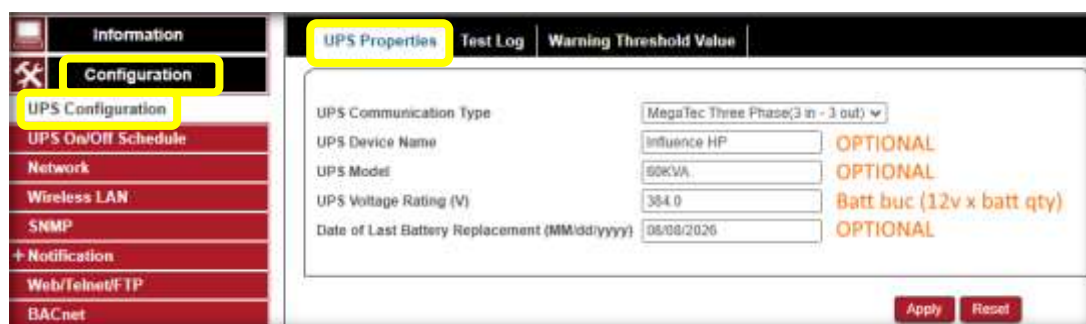
To do this:

- Adjust the UPS type in the "UPS Properties" menu
 - (1:1) single-phase – **EfficientRT/TowerPRO**, (3:3) three-phase – **Influence**, (3:1) three-phase – **Versatile**
 - APPLY
- (The rest of the fields may change depending on the type of UPS)



For example:

- For a three-phase UPS.



Name and model is optional:

It does not affect the operation, it is only a visual data.

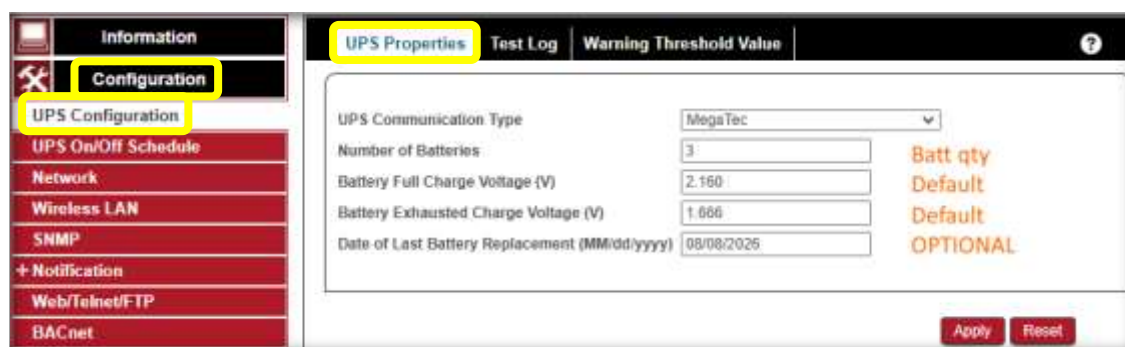
Nominal battery voltage:

Adjust nominal voltage according to the number of UPS batteries.

Battery change date is optional:

It does not affect the operation, it is only a visual data.

- For a single-phase UPS.



Number of batteries: Adjust the number of UPS batteries.

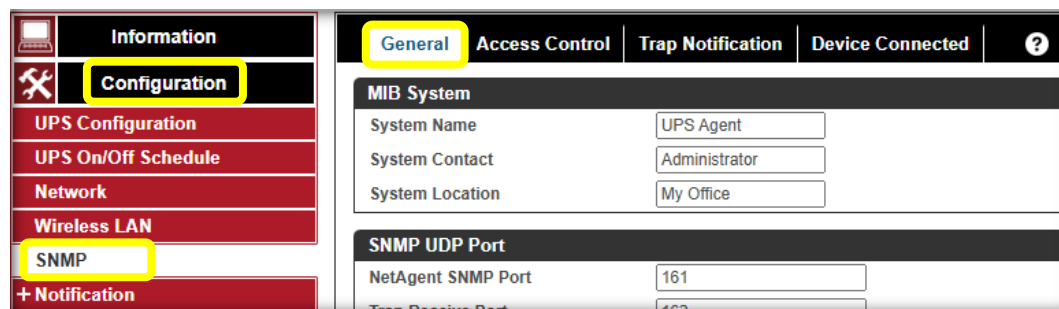
Charged battery voltage: Keep Default. (2.160)

Battery voltage discharged: Keep Default. (1.666)

Battery change date is optional: It does not affect the operation, it is only a visual data.

ADDITIONAL RECOMMENDED CONFIGURATION. (Optional)

To help identify the source of email notifications, it is recommended to complete this section.



So notification messages replace these fields with custom data.

Date/Time	2026/03/05 12:20:36
IP	192.168.5.249
System Name	UPS Agent
System Contact	Administrator
System Location	My Office
Status	UPS Agent(192.168.5.249):Utility power has been restored.

Please refer to the full user manual with your IT department for other particular needs or contact ZIGOR for assistance with other functions that are not documented in this Basic Guide.

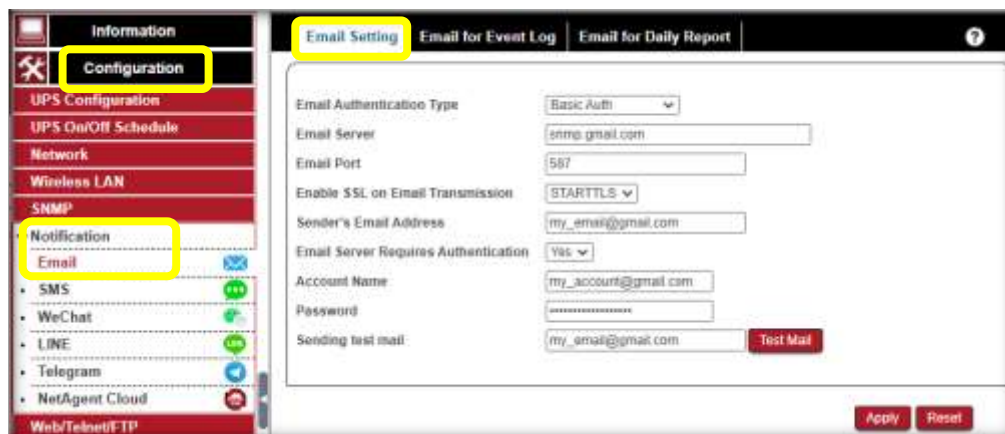
4 HOW TO SET UP EMAIL NOTIFICATIONS

This functionality is the most common and allows you to notify the status of UPS by email or other methods without the need for external software.

While the use of other applications or external software requires additional hardware permanently on and in communication with the UPS, this card can perform certain functions autonomously, such as email notifications.

To do this:

- Access the card's built-in web server through your preferred internet browser.
- Go to CONFIGURATION / Notification / Email Setting.

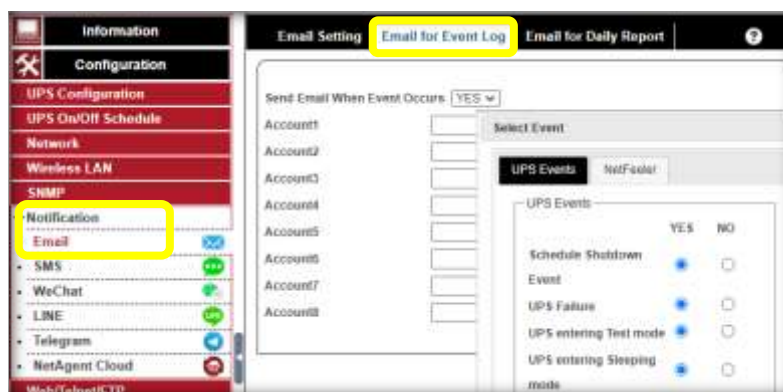


NOTE: Not all notification methods shown in the image are available, it may vary depending on the card model.

- Configure the parameters according to the corresponding email server or consult with your IT department.
- A Test Mail **field is available** to check the correct parameter settings.

It allows you to define multiple email accounts to receive notifications, as well as a selection of the type of notification.

- Access CONFIGURATION / Notification / Mail for event log or daily report if you want to add multiple notification receivers.
- Select the events you want to report.



****NOTE:** If you use Gmail as your standard mail server, please note the latest Gmail authentication procedures based on the OAuth protocol after 1/Jan/2022, which require the creation of a special "application password".

Contact your IT department for further assistance.

4.1 GMAIL configuration example

The security policies of major email providers have evolved towards more secure authentication and encryption methods, such as OAuth 2.0 and SSL/TLS communication protocols.

These changes may affect certain computers and software or firmware versions that use legacy authentication systems to email UPS status and alarm notifications.

On some computers that do not allow software or firmware updates to be updated, it may not be possible to use certain current email services directly using traditional authentication methods.

When the mail server used does not support the authentication method available on the computer, there may be configuration alternatives, such as the use of an intermediate SMTP server or specific relay services. The configuration of these alternatives depends on the infrastructure and security policies of each organization and should be evaluated by the appropriate IT department.

In our UPS communication accessories, the authentication methods required for current mail services are already implemented in the software/firmware, depending on the model and version.

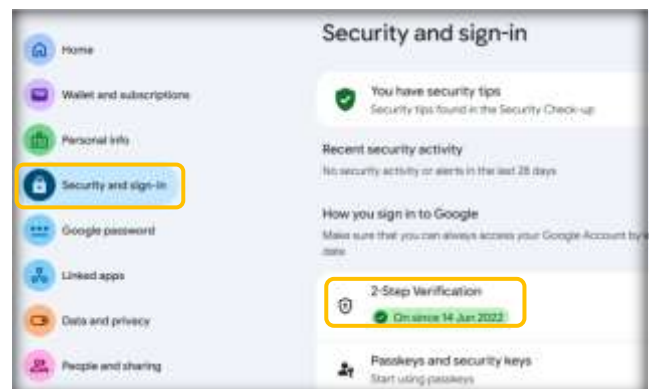
We will take Gmail as a reference because it is widely used, although other providers may have similar authentication and security methods.

To do this:

- Access or create a new account in GMAIL that can be used as a common email for notifications, either through the UPSilon software, SNMP View or directly with the communication cards.
- Select "Manage your account".
- "Security and sign-in".

We must have "2-step verification" active and correctly configured. **See GMAIL help.**

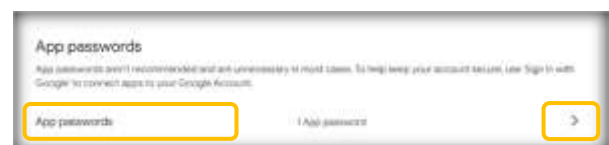
- Select "2-Step Verification".



****NOTE:** when creating a new "Application Password" you may ask us to validate the GMAIL user password again as a security measure in order to continue.

At the bottom of the screen you will find the option "App passwords".

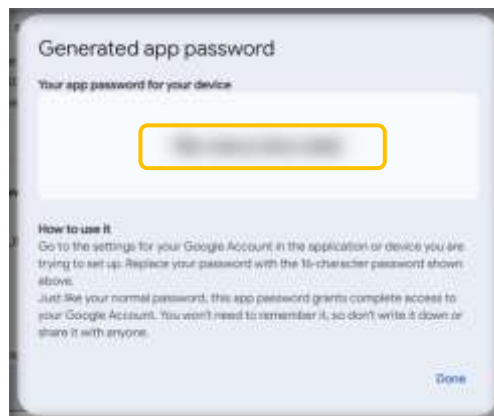
- Select the right arrow and you will access the "Application Passwords" section.





At this point we can create a new password with a name that we can easily recognize:

- "alertas_email_UPS"
- Confirm "CREATE"



A new window opens in which the "**special password**" that we must use in our email notification application is highlighted.

- Copy and paste this key into the app or device **BEFORE** confirming.
- Finally confirm. "DONE"

A new line is generated in the password manager.

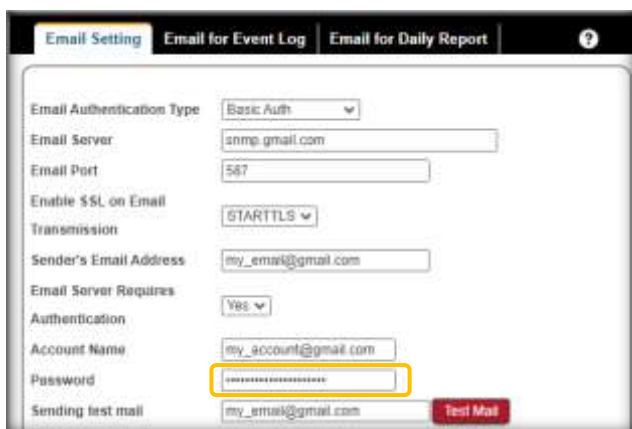
This same key can be used for multiple devices.

You can create as many keys as you need, or you can create keys to group different devices together.

It is NOT possible to recover previously generated codes.

When deleted, devices that have been assigned that password will lose the authorization to send email.

- Once the password is temporarily copied, you can complete the notification sending setup.



Mail Server:

smtp.gmail.com

Server Port:

587 (recommended)

Email encryption:

STARTTLS (recommended)

Sender address:

It will be the email from which the alerts will be generated.

It can be the same as "Account Name".

Mail Server Requires Authentication:

YES

Account Name:

It will be the email account that will validate the Gmail user. It can be the same as the previous step.

Password:

Paste the "**special password**" generated. (NOT the password to access the GMAIL account)

Run a "Test Mail" to verify that the settings and notifications will be generated correctly.

- Enter an email from the test recipient and click on "Test email"

If everything is correct, a success message appears in the upper-right corner of the NetAgent webserver.

5 HOW TO SET UP SNMP DEVICE MONITORING

UPS status and measurements can be monitored remotely using different methods, and one of the most common is the SNMP protocol.

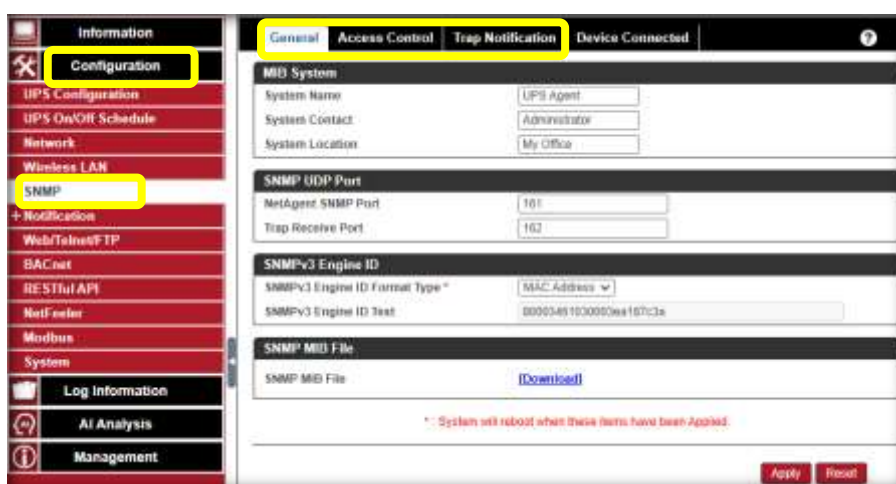
It can be monitored by:

1. SNMPView software (provided within the NetAgent software package)
2. Other preferred software or SCADA system.

Download or request the MIB file with the communication definitions table from ZIGOR.

This setting is located in:

- Access the card's built-in web server through your preferred internet browser.
- Access the CONFIGURATION / SNMP option.



Ask your IT department to configure the corresponding parameters to be able to customize the monitoring. You can maintain the default values for basic monitoring by most commercial SNMP programs.

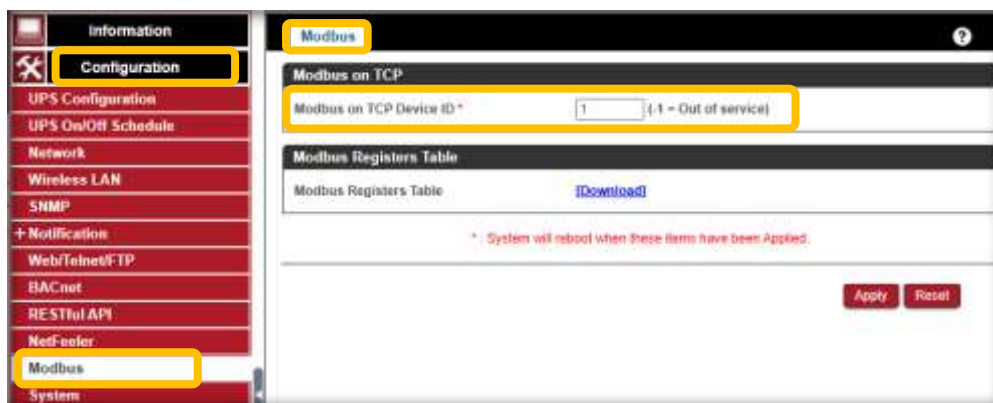
6 HOW TO SET YOUR DEVICE'S MODBUS ID

These communication cards can also be monitored using the integrated Modbus TCP protocol.

Use your own software or SCADA to perform the monitoring.

The MODBUS table with the communication definitions is provided below.

- Access the card's built-in web server through your preferred internet browser.
- Access the CONFIGURATION main menú and locate Modbus section
The value "-1" disables communication or returns device not reachable error.
- Check the communication with your software or SCADA system using the standard TCP 502 port.



- On older firmware versions this setting is under CONFIGURATION / Network / Ethernet menu

6.1 MODBUS TCP General Table

FUNCTION CODE 03 – HOLDING REGISTERS (Read)

Battery group

REGISTER	ADDRESS	TYPE	MEASUREMENT	NOTES	
40027	0026	UWORD	Battery elapsed time	Seconds	
40030	0029	UWORD	External battery temp	x0.1 °C	
40031	0030	UWORD	Battery current	0 A	(*) currently unused
40100	0099	UWORD	Battery voltage	x0.01 VDC	
40101	0100	UWORD	Battery capacity	0-100 %	
40102	0101	UWORD	Estimated time remaining	Minutes	(*) estimated
40103	0102	UWORD	Battery current	x0.1 A	

Input group

REGISTER	ADDRESS	TYPE	MEASUREMENT	NOTES	
40040	0039	UWORD	Average AC voltage	x0.1 VAC	(phase/neutral)
40041	0040	UWORD	Maximum AC voltage	x0.1 VAC	(phase/neutral)
40042	0041	UWORD	Minimum AC voltage	x0.1 VAC	(phase/neutral)
40110	0109	UWORD	Freq. average AC input	x0.1 Hz	
40111	0110	UWORD	Input voltage R	x0.1 VAC	(phase/neutral)
40112	0111	UWORD	Input voltage S	x0.1 VAC	(phase/neutral)
40113	0112	UWORD	Input voltage T	x0.1 VAC	(phase/neutral)

Output group

REGISTER	ADDRESS	TYPE	MEASUREMENT	NOTES	
40050	0049	UWORD	AC output status	Whole Value:	(1) unknown (2) online (3) on battery (4) boost charging (5) sleep (6) bypass (7) restarting (8) standby (9) ACin regulation
40051	0050	UWORD	Average AC output voltage (Value for VERSATILE model)	x0.1 VAC	
40052	0051	UWORD	Freq. average AC output (Value for VERSATILE model)	x0.1 Hz	
40053	0052	UWORD	AC output consumption (Value for VERSATILE model)	x0.1%	
40120	0119	UWORD	Output frequency (Value for VERSATILE model)	x0.1 Hz	
40121	0120	UWORD	Output voltage R (Value for model VERSATILE)	x0.1 VAC	
40122	0121	UWORD	Output voltage S (Not used on VERSATILE model)	x0.1 VAC	
40123	0122	UWORD	Output voltage T (Not used on VERSATILE model)	x0.1 VAC	
40124	0123	UWORD	AC output consumption R (Value for VERSATILE model)	x0.1%	
40125	0124	UWORD	AC output consumption S (Not used on VERSATILE model)	x0.1%	
40126	0125	UWORD	AC output consumption T (Not used on VERSATILE model)	x0.1%	

Bypass group

REGISTER	ADDRESS	TYPE	MEASUREMENT	NOTES
40130	0129	UWORD	Bypass input frequency	x0.1 Hz
40131	0130	UWORD	Bypass input voltage R	x0.1 VAC
40132	0131	UWORD	Bypass input voltage S	x0.1 VAC
40133	0132	UWORD	Bypass input voltage T	x0.1 VAC

UPS status group

REGISTER	ADDRESS	TYPE	MEASUREMENT	NOTES
40140	0139	UWORD	DC Status and Rectifier Failure in rectifier stage	Value: (14) yes (16) no
40141	0140	UWORD	DC Status and Rectifier Low battery shutdown	Value: (14) yes (16) no
40142	0141	UWORD	DC Status and Rectifier Low battery alert	Value: (14) yes (16) no
40143	0142	UWORD	DC Status and Rectifier Input/Output mode	Value: (2) 3:1 mode (3) 3:3 mode
40144	0143	UWORD	DC Status and Rectifier Battery working mode	Value: (4) discharging (5) normal
40145	0144	UWORD	DC Status and Rectifier Battery charging mode	Value: (6) boost (7) floating (16) AC input failure
40146	0145	UWORD	DC Status and Rectifier Rectifier online	Value: (14) yes (16) no
40147	0146	UWORD	UPS Status Frequency failure in bypass	Value: (14) yes (16) no
40148	0147	UWORD	UPS Status Maintenance bypass status	Value: (8) closed (9) open
40149	0148	UWORD	UPS Status Bypass input status	Value: (10) normal (11) out of range
40150	0149	UWORD	UPS Status Static bypass mode	Value: (12) online (13) bypass
40151	0150	UWORD	UPS Status Inverter online	Value: (14) yes (16) no

Failure status group

REGISTER	ADDRESS	TYPE	MEASUREMENT	NOTES
40160	0159	UWORD	Type of failure Emergency stop	Value: (14) yes (16) no
40161	0160	UWORD	Type of failure High voltage in DC / battery	Value: (14) yes (16) no

40162	0161	UWORD	Type of failure Bypass protection	Value:	(14) yes (16) no
40163	0162	UWORD	Type of failure Overload	Value:	(14) yes (16) no
40164	0163	UWORD	Type of failure Inverter stage failure	Value:	(14) yes (16) no
40165	0164	UWORD	Type of failure High temperature in UPS	Value:	(14) yes (16) no
40166	0165	UWORD	Type of failure Short circuit at output	Value:	(14) yes (16) no

System parameters group

REGISTER	ADDRESS	TYPE	MEASUREMENT	NOTES
40061	0060	UWORD	Rated Power	x1 VA
40062	0061	UWORD	Nominal battery voltage	x0.01 VDC
40063	0062	UWORD	Nominal frequency	x0.1 Hz
40170 - 40176	0169 - 0175	STRING	Rectifier voltage rating	14 characters
40177	0176	UWORD	Nominal rectifier frequency	x1 Hz
40178 - 40184	0177 - 0183	STRING	Nominal bypass voltage	14 characters
40185	0184	UWORD	Nominal bypass frequency	x1 Hz
40186 - 40192	0185 - 0191	STRING	Nominal output voltage	14 characters
40193	0192	UWORD	Nominal output frequency	x1 Hz
40194	0193	UWORD	Nominal battery voltage	x1 VDC
40195 - 40199	0194 - 0198	STRING	UPS power rating	10 characters

Alarm group

REGISTRATION	ADDRESS	TYPE	MEASUREMENT	NOTES
40064	0063	UWORD	AC power failure	Whole Value: (1) yes (2) no
40065	0064	UWORD	UPS failure	Whole Value: (1) yes (2) no
40066	0065	UWORD	Test in progress	Whole Value: (1) yes (2) no
40067	0066	UWORD	Forced shutdown	Whole Value: (1) yes (2) no
40068	0067	UWORD	Buzzer activated	Whole Value: (1) yes (2) no

FUNCTION CODE 06/16 – WRITE ONE OR MULTIPLE REGISTERS

Timing Group

REGISTER	ADDRESS	TYPE	MEASUREMENT	NOTES
40070	0069	UWORD	Shutdown timer	The UPS remains ON while the delay occurs. Permitted values: 12, 18, 24, 30, 36, 42, 48, 54, 60, 120, 180, 240, 300, 360, 420, 480, 540 and 600 seconds.
40071	0070	UWORD	Sleep timer	The UPS switches to sleep mode for the indicated time, then turns ON automatically. Values: 1 – 9999 minutes.

Control group

REGISTER	ADDRESS	TYPE	MEASUREMENT	NOTES
40080	0079	UWORD	Shutdown control (*)	Value: (2) turn off UPS tTimer reg.0069)
40081	0080	UWORD	Restart control	Value: (2) restart the UPS
40082	0081	UWORD	Sleep control (*)	Value: (1) sleep recover (2) sleep start (timer reg.0070)
40083	0082	UWORD	AC mains failure control	Value: (2) simulate AC failure (read status reg.0065/0143)
40085	0084	UWORD	UPS output control (*)	Value: (2) UPS output recover (read status reg.0049)

(*) This adjustment by LCD menu transfers to static bypass (It is not possible to change this parameter from MODBUS)

- reg.0079 = (2) + delay reg.0069 = static bypass

: 0084 = (2) = returns to OnLine mode

- reg.0081 = (2) = delay reg.0069 + sleep reg.0070 -> auto restart

: 0081 = (2) = force sleep mode out

Some status readings or alarms may take 10-15sec to update.

7 HOW TO RUN A BATTERY HEALTH TEST

Batteries are one of the fundamental elements of a UPS and their capacity can decrease over time. Carrying out regular checks allows you to detect possible changes in their behavior and have additional information to assess their condition.

With these cards it is possible to run a battery test easily.

To do this:

- Access the menu INFORMATION / Remote Control
- Select the preferred test option.

During the test, the system performs a temporary simulation of AC power failure and analyzes the behavior of the batteries using the charging conditions existing at that time.

The result allows estimating aspects such as the voltage response and the evolution of the capacity available during the test.

Once the test is complete, you can consult the results in the "Log Information" section, where the information corresponding to the analysis carried out is displayed and, depending on the configuration and capacity of the system, also the history of previous tests.

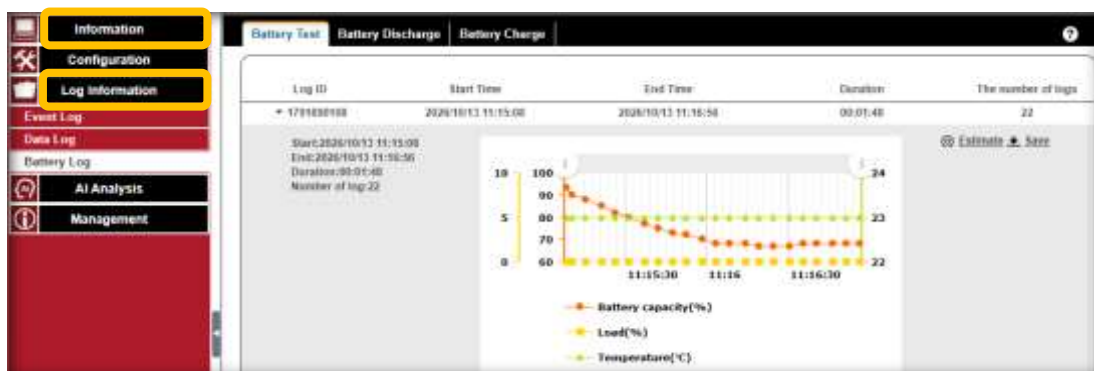
The test result should be considered as a reference on the performance of the batteries under the test conditions. The decision to replace them should also take into account other factors, such as their age, operating conditions, history and maintenance recommendations.



ATTENTION The battery test should always be performed under human supervision.

Although the system is battery-powered, if there is a general AC power failure during the test, and the batteries are in a poor state, it can cause power lost at the UPS outlet before test is complete, leaving critical loads unprotected.

Contact ZIGOR to hire Preventive Maintenance services, for a more rigorous and safe battery condition analysis for your installation during the test.



8 HOW TO TURN ON/OFF THE UPS USING CALENDAR

The UPS can also help manage energy consumption.

Not all systems protected by a UPS need to remain operational 24 hours a day.

In offices, production areas, classrooms, laboratories or certain work areas, there may be equipment that is only needed during a specific time. Outside of this period, keeping the system powered can lead to unnecessary energy consumption.

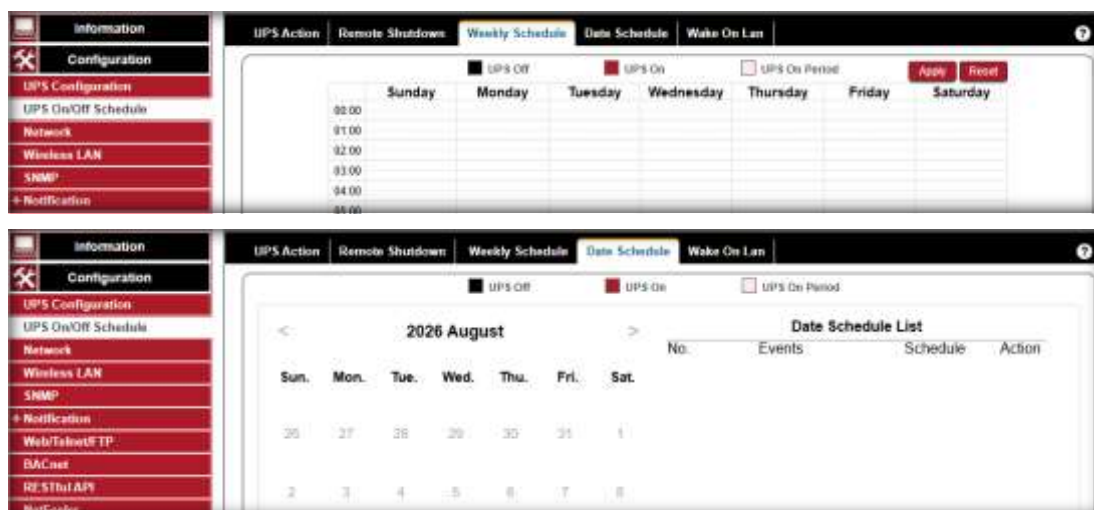
Using the communication cards, it is possible to program a calendar of dates and times to automatically control the switching off and on of the UPS.

In addition, in certain systems, the card can send activation commands to network devices that support the Wake-on-LAN function, facilitating the scheduled start-up of other connected equipment.

This function is not intended for critical loads that need to maintain their power permanently. However, it can be especially useful in installations with defined operating hours, where it is possible to temporarily disconnect the power outside working hours.

In this way, the UPS can take on an additional role as a programmable power supervisor, allowing the operation of certain equipment to be adapted to the real needs of each installation.

Study the possibilities available in the CONFIGURATION / UPS On/Off schedule.
See the help for more information on how to use it.



9 HOW TO UPDATE THE CARD'S FIRMWARE

The method for the firmware update is explained below.

As a rule, the built-in firmware does not undergo major updates.
Contact ZIGOR to report issues or request updates, if any.

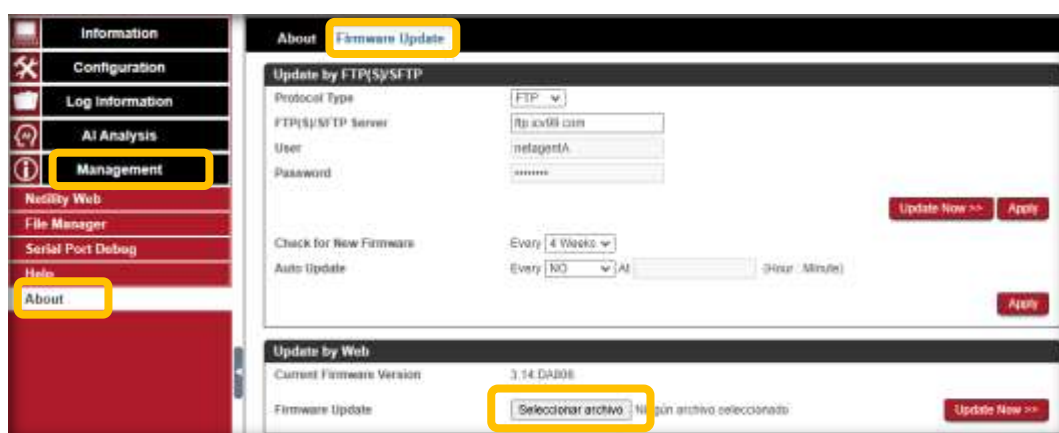
This process can be done using the following methods:

1. Integrated web server page.
2. Netility software (provided with the NetAgent software suite).

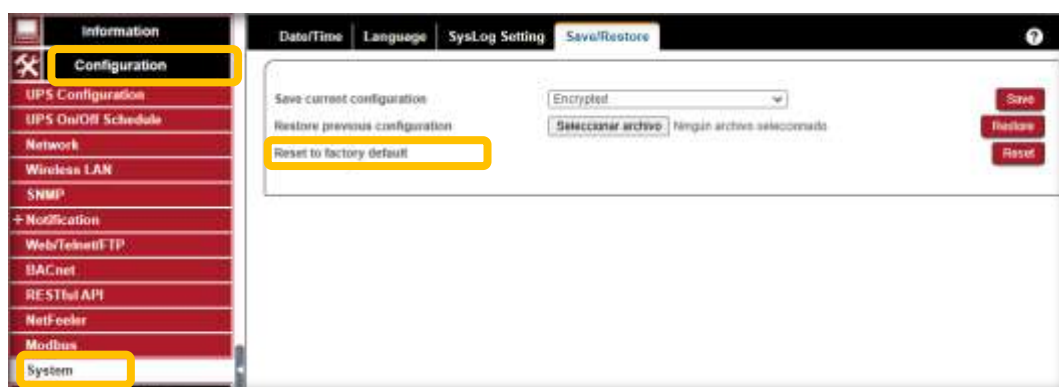
9.1 Firmware update via integrated web server

- Access the IP of your communication card's website through your preferred internet browser.
- Access the MANAGEMENT / About menu.
- Select the "Firmware Update" tab.
- In the "Update by WEB" section, locate your file and click **Update Now**

NOTE: The update can be done using a remote FTP server, but we recommend the local method of uploading files.

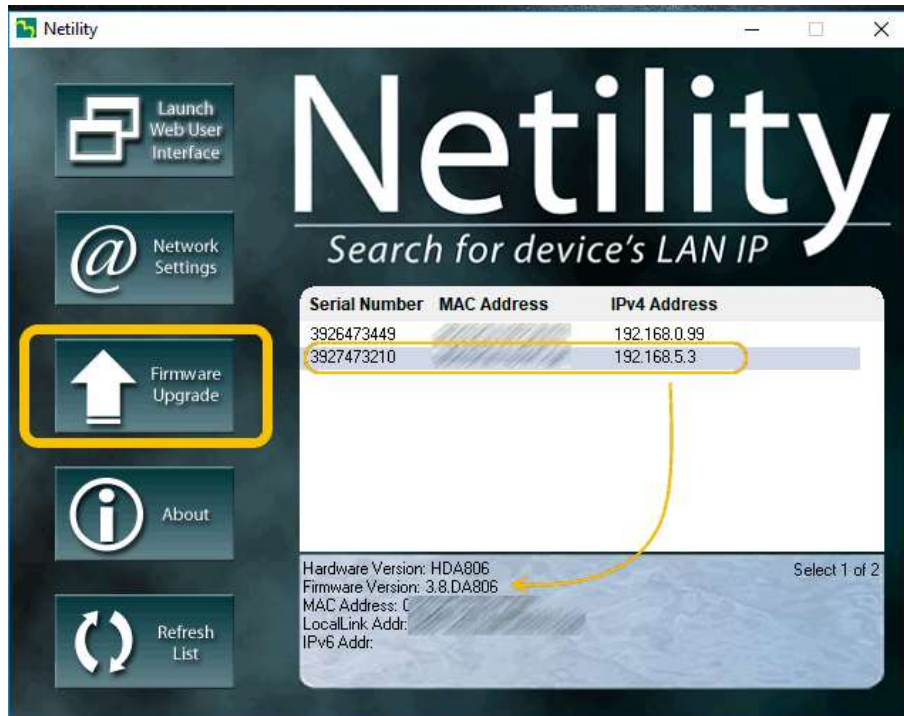


- Once the update is complete, we recommend doing a full factory reset.
- You can then restore a previous configuration.

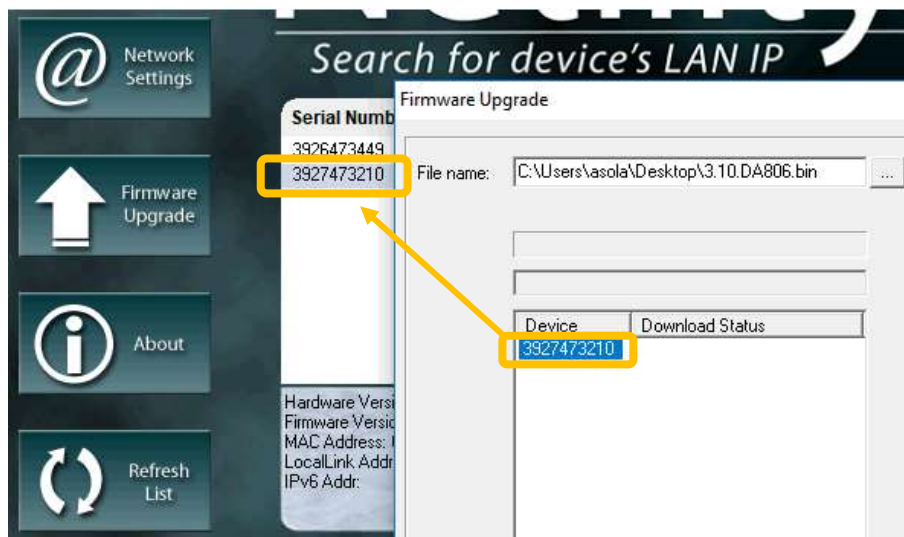


9.2 Firmware update using Netility software

- Download and install the Netility software.
- Run and wait for the device scan to complete.
- Select from the list the UPS that you want to update.
- Upgrade via the "Firmware Upgrade" button



- The firmware update is based on the serial number of the card.
You must select the card you want to update from the list.
- Select the location and firmware file, and continue.



- Once the update is complete, we recommend doing a full factory reset.
- You can then restore a previous configuration.



ZIGOR Corporation

Portal de Gamarra, 28 - 01013

Vitoria-Gasteiz / Álava / Spain

+34 945 21 46 00

www.zigor.com

*The images shown are for reference purposes only and may change without notice depending on the product model.
Please refer to our webpage for the most up-to-date documentation.*

Check our website to contact the network of commercial delegations.