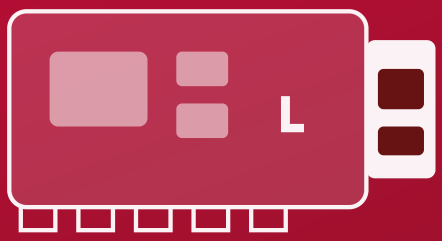
AEC
Technology Behind Power

NETWORK MANAGEMENT CARD

AEC SNMP NETWORK CARD

SNMP-L

Quick Installation Guide



For AEC UPS series

LUMINA · ETHERNO · AUREON · INFINITE



LUMINA



ETHERNO



AUREON



INFINITE

Quick Installation Guide

Twelve short steps put your AEC UPS on the network: fit the card, give it an address, and set two values for your UPS. Follow them in order — each step shows exactly what you will see on your screen. For every menu and option, see the **SNMP-L User Manual**.

Before you start, have ready

- The **AEC SNMP-L card** (already fitted in LUMINA **-NC** models)
- A network cable (RJ45, Cat5e or better)
- A **Windows PC** connected to the same network as the UPS
- A free IP address for the card — ask your IT department
- The UPS model label (power and battery)

Factory defaults

Factory IP address	`192.168.0.100` · mask `255.255.255.0`
WiseWay user name	`admin`
WiseWay password	Given by AEC technical service. Change it at the first login.
WiseInsight login	Account `admin`; the password is given by AEC technical service
SNMP	Port 161 (get/set) · 162 (traps). No SNMP manager can read the card until you add a permission in WiseWay (Configuration management → Northbound configuration). WiseInsight's default community is `public`.

The settings for your UPS

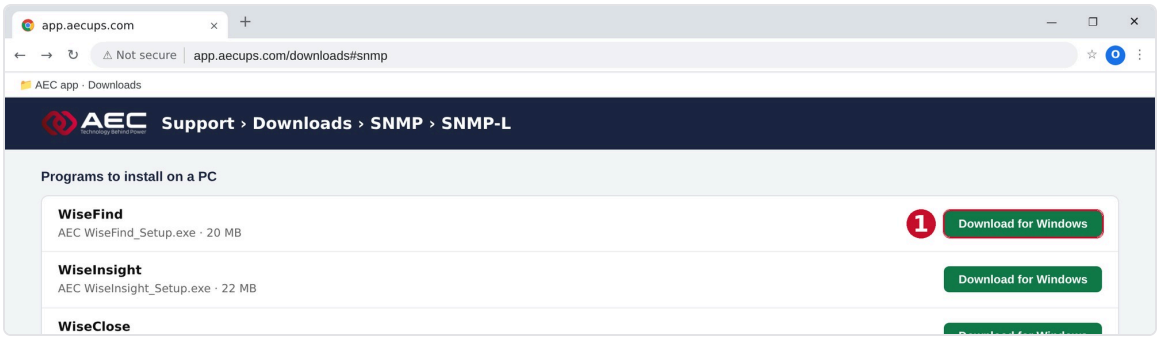
The card leaves the factory set for LUMINA (single phase). For **ETHERNO, AUREON and INFINITE** the card shows *Communication failure* until steps 8–10 set it for your UPS — that is normal. For LUMINA, check the same values and just add the UPS data.

AEC UPS	Range	Communication protocol	Baud rate (COM1 + COM2)	On the UPS display
LUMINA	1–3 kVA · single phase	`WRWF-1101-15338-01_1P`	**2400** (factory value)	Nothing to change
ETHERNO	10–30 kVA · three phase	`WRWF-1201-04_3I3O`	**9600**	Nothing to change
AUREON	10–30 kVA · three phase	`WRWF-1201-04_3I3O`	**9600**	Nothing to change
INFINITE	100–1200 kVA · modular	`WRWF-1201-06_3I3O`	**9600**	SNMP protocol type: **Modbus** (password `111`)

Step by step

1 Download WiseFind from the AEC app

ON THE PC · CHROME → AEC APP → SUPPORT → DOWNLOADS → SNMP → SNMP-L



AEC app · Downloads · SNMP-L: the programs to install, and these guides

1. On the PC, open the AEC app in Chrome and go to **Support → Downloads → SNMP → SNMP-L**.
2. 1 Under **WiseFind** click **Download for Windows**. The file `AEC WiseFind_Setup.exe` goes to your Downloads folder.

2 Fit the card in the UPS

UPS · REAR PANEL



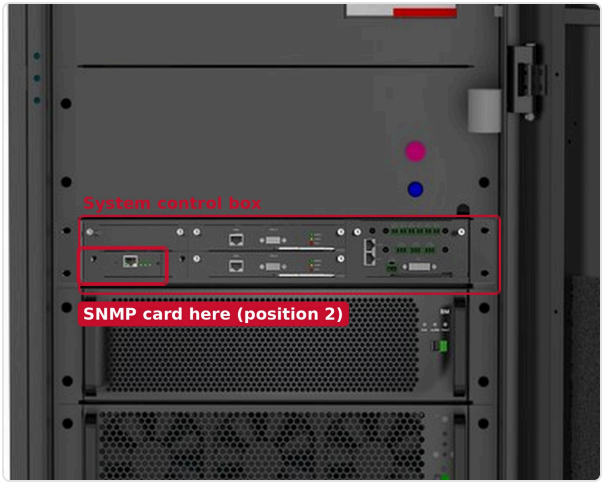
LUMINA: INTELLIGENT SLOT at the right of the rear panel (on -NC models the card is already there)



ETHERNO: SLOT1 or SLOT2, top right of the rear panel



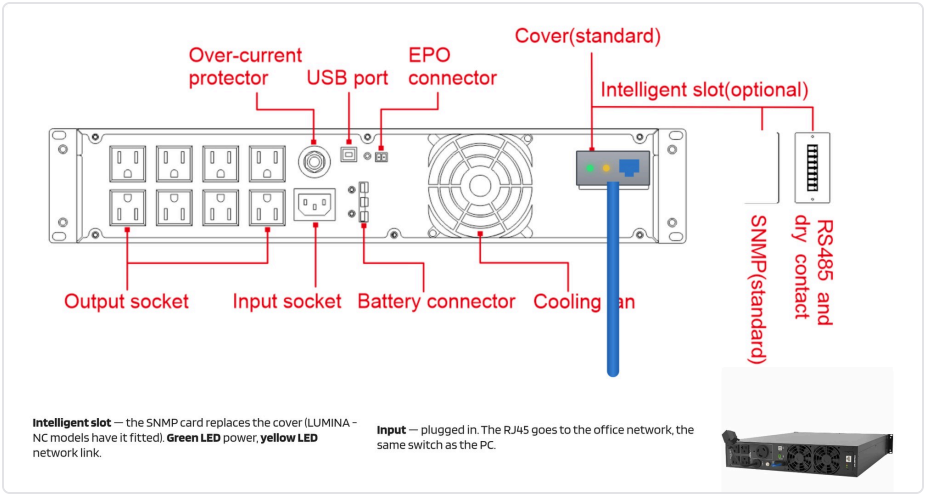
AUREON: SLOT1 or SLOT2, top right of the rear panel



INFINITE: system control box, SNMP card position

INFINITE: open the front door. The SNMP card goes in the **system control box**, the row of cards just above the power modules, at **position 2** (bottom left). The cards are hot-swappable. INFINITE user manual §2.3.3 and §3.6.2.

1. At the back of the UPS, remove the two screws of the slot cover and take the cover off.
2. Slide the card into the slot until it is fully in; fix it with the same two screws.
3. Plug a network cable into the card's port and into your office network (the same network as the PC).

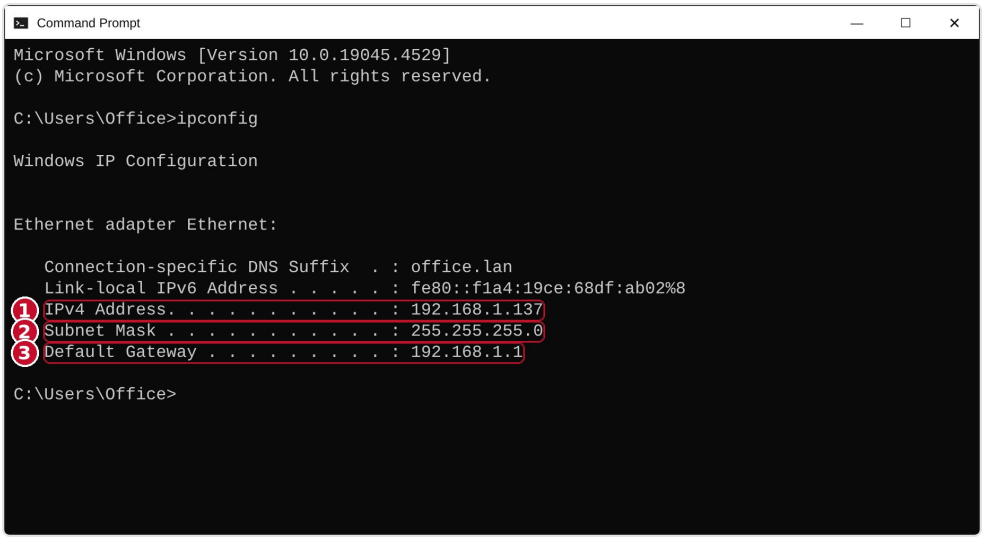


LUMINA: card in the intelligent slot, network cable plugged in

> **CAUTION**
> Hold the card by its metal plate. Fit it with the UPS in a safe state, as described in the UPS user manual.

3 Write down your PC's network

ON THE PC · COMMAND PROMPT

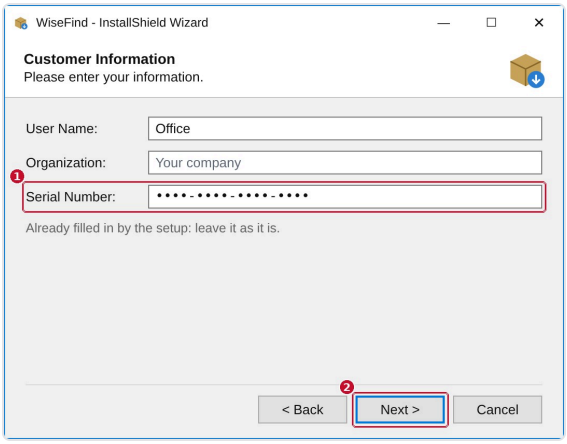


ipconfig: your PC's IPv4 address, subnet mask and default gateway

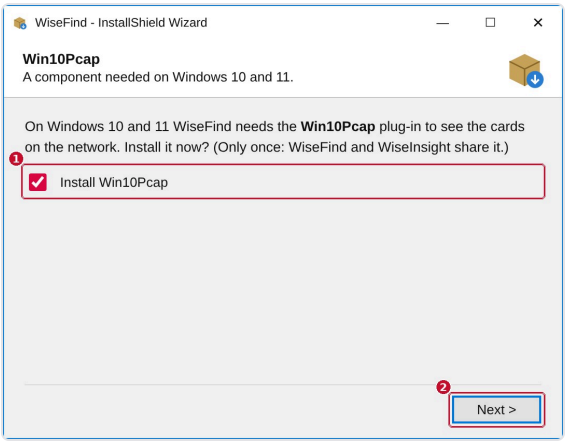
1. Click the Windows search bar, type `cmd` and open **Command Prompt**.
2. Type `ipconfig` and press **Enter**.
3. Write down three lines: 1 **IPv4 Address**, 2 **Subnet Mask** and 3 **Default Gateway**. You will need them in step 6.

4 Install WiseFind

ON THE PC · AEC WISEFIND_SETUP.EXE



Keep the serial number exactly as it is



Keep "Install Win10Pcap" ticked

1. Double-click `AEC WiseFind_Setup.exe` and click **Next**.
2. On **Customer Information**: 1 do **not** change the serial number (already filled in), 2 click **Next**, then **Install**.
3. 1 Keep **Install Win10Pcap** ticked (without it WiseFind finds nothing) and 2 click **Next**.
4. Click **Finish**: WiseFind opens.

5 Find the card

WISEFIND · SEARCH

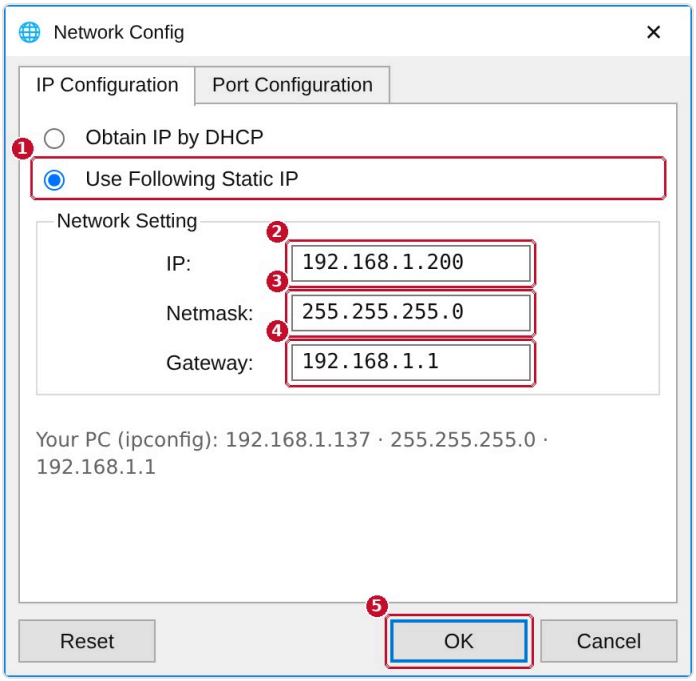


The new card appears at 192.168.0.100 with its serial number and MAC address

1. 1 Click **Search**.
2. 2 The card appears with the factory address `192.168.0.100`. Write down its serial number and MAC address — they are also on the card's labels.

6 Give the card its own address

WISEFIND · SELECT THE CARD → NETWORK



Network: Use Following Static IP — IP, Netmask, Gateway

1. Click the card's row once, then click **Network**.
2. 1 Choose **Use Following Static IP**.
3. 2 **IP**: the first three numbers of your PC's address and a free last number — e.g. PC `192.168.1.137` → card `192.168.1.200`.
4. 3 **Netmask** and 4 **Gateway**: the same as your PC (step 3). 5 Click **OK**. If your Subnet Mask is not 255.255.255.0, ask your IT department for the address.

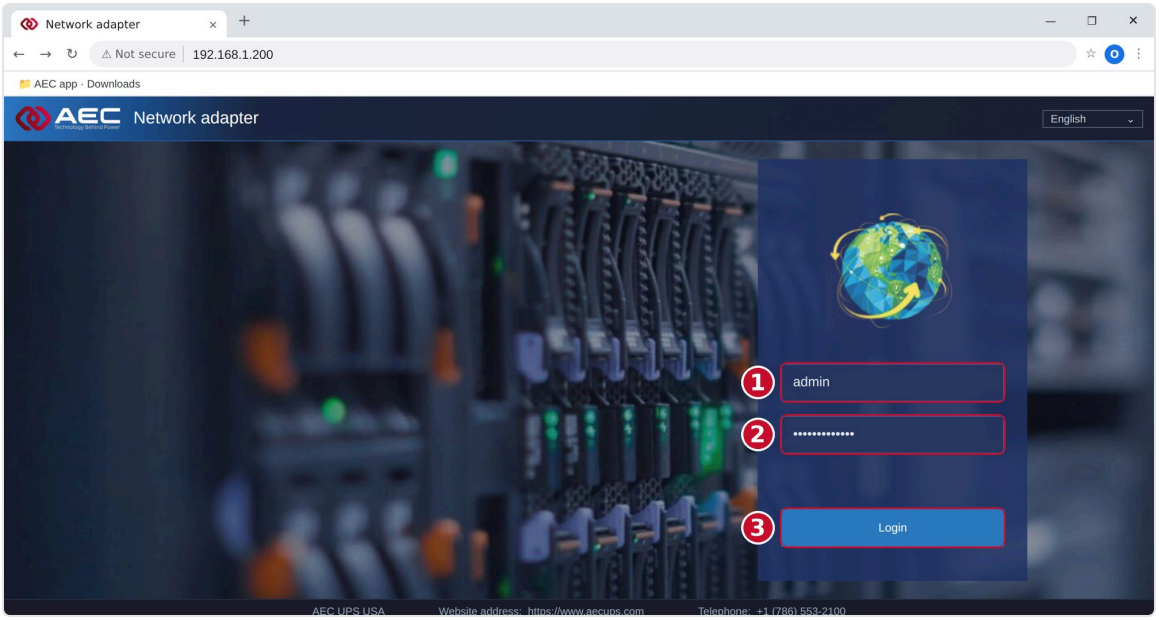


The card now has its new address

> **IMPORTANT**
>
> The card does not work at its factory address 192.168.0.100: it must get an address in your network. Use a free address — ask your IT department.

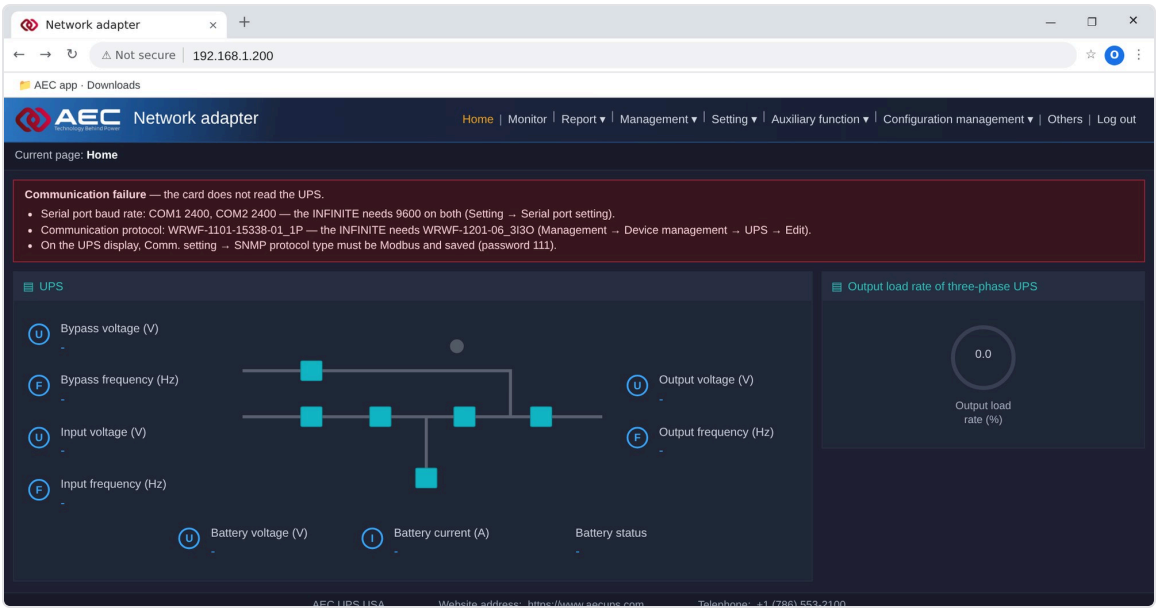
7 Log in to the card

WISEFIND · LAUNCH WEB



The card's login page opens in your browser

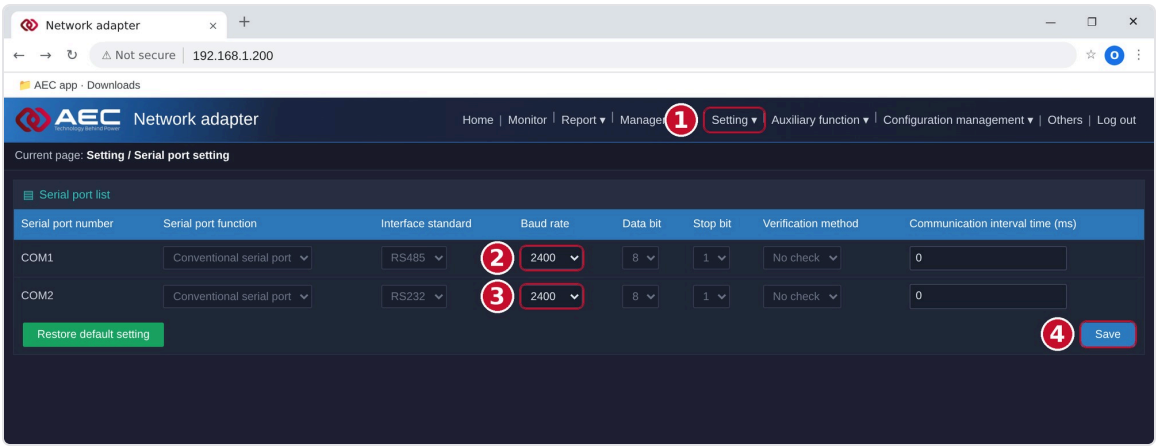
1. In WiseFind click **Launch Web** (or type the card's address in Chrome, e.g. `192.168.1.200`).
2. (1) User name `admin`, (2) the password given by AEC technical service, (3) click **Login**.



ETHERNO, AUREON, INFINITE: "Communication failure" at first login — normal until steps 8–10 are done

8 Set the baud rate

SETTING → SERIAL PORT SETTING

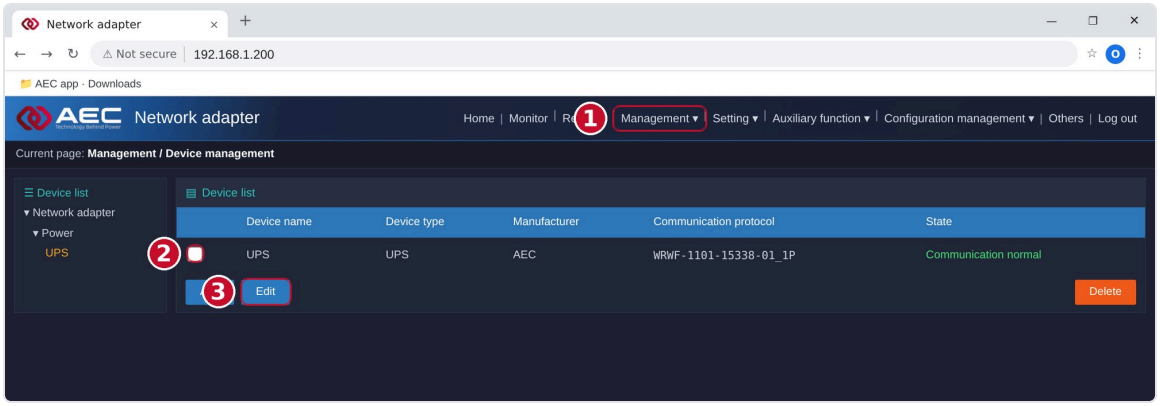


Setting → Serial port setting: Baud rate of COM1 and COM2

1. 1 In the top menu click **Setting → Serial port setting**.
2. Set the **Baud rate** of 2 **COM1** and 3 **COM2**: **2400** for LUMINA, **9600** for ETHERNO, AUREON and INFINITE.
3. Do not change the other columns. 4 Click **Save**.

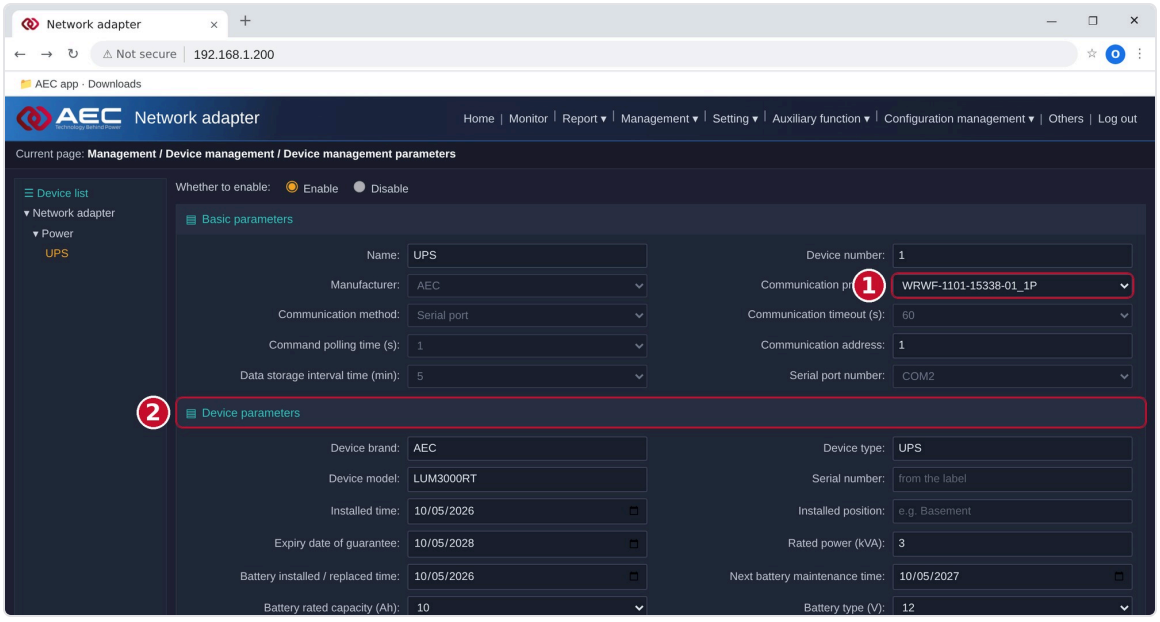
9 Set the protocol and the UPS data

MANAGEMENT → DEVICE MANAGEMENT → UPS → EDIT



Device management: tick UPS, then Edit

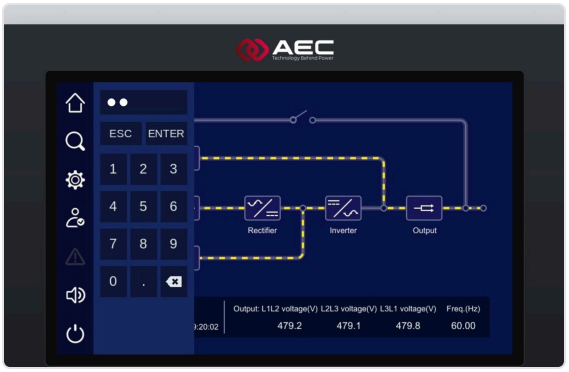
1. 1 Click **Management → Device management**. 2 Tick **UPS** and 3 click **Edit**.
2. On the next screen (picture below): 1 **Communication protocol**: LUMINA `WRWF-1101-15338-01_1P` · ETHERNO and AUREON `WRWF-1201-04_3I30` · INFINITE `WRWF-1201-06_3I30`.
3. 2 Under **Device parameters** copy from the UPS label: brand AEC, model, serial number, rated power (kVA), battery capacity (Ah), battery type 12 V, battery groups and batteries per group (User Manual §2.3).
4. 3 Click **Save**.



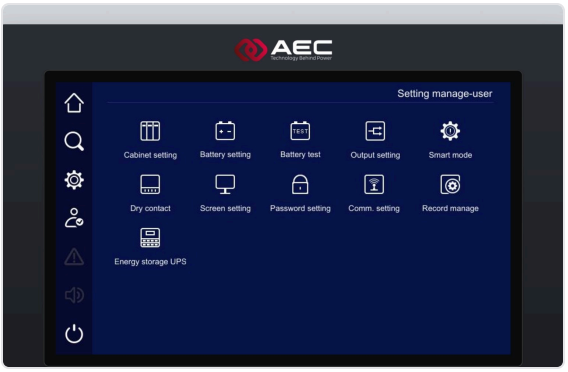
Basic parameters (protocol) and device parameters (from the UPS label)

10 INFINITE only: set the touch screen

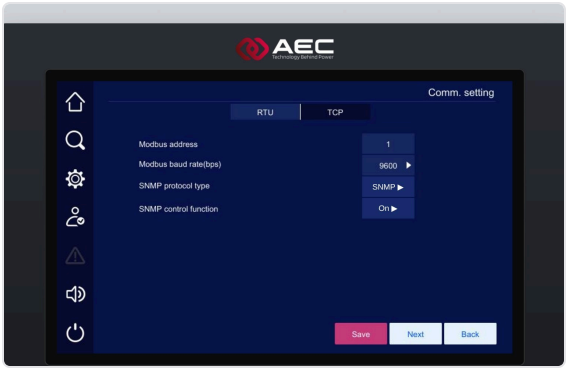
INFINITE TOUCH SCREEN · COMM. SETTING



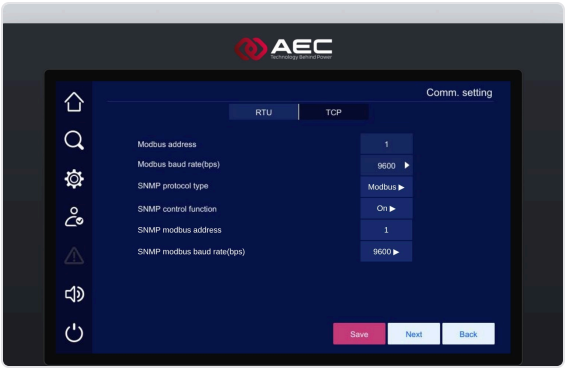
1 · Tap the user icon, type 111, ENTER



2 · Tap the gear, then Comm. setting



3 · SNMP protocol type reads SNMP

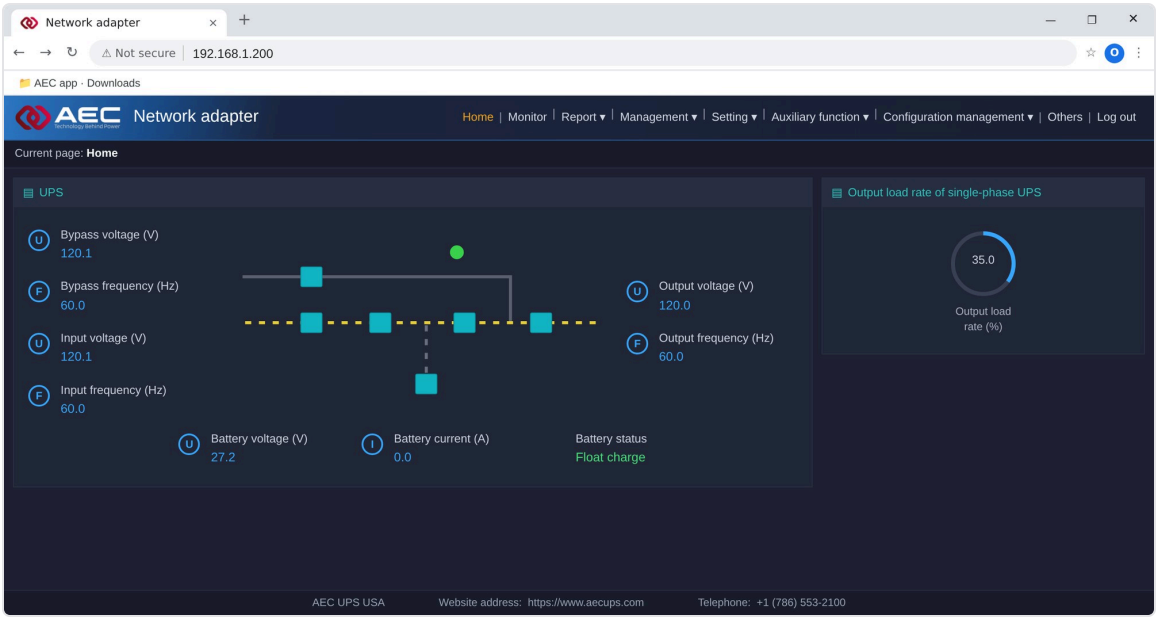


4 · Tap it to Modbus, then Save

1. On the INFINITE screen tap the **user** icon, type `111` and tap **ENTER**.
2. Tap the **gear**, then **Comm. setting**.
3. Tap **SNMP protocol type** until it reads **Modbus**. Leave the other values.
4. Tap **Save**. LUMINA, ETHERNO and AUREON skip this step.

11 Check that the card reads the UPS

WISEWAY · HOME

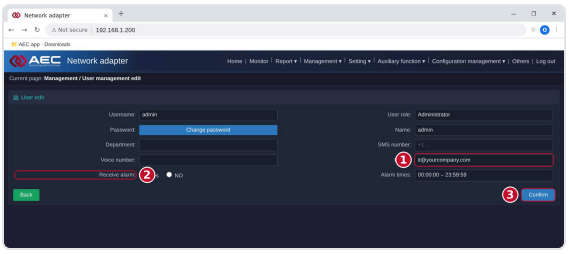


Home: the UPS values on every branch — the card reads the UPS

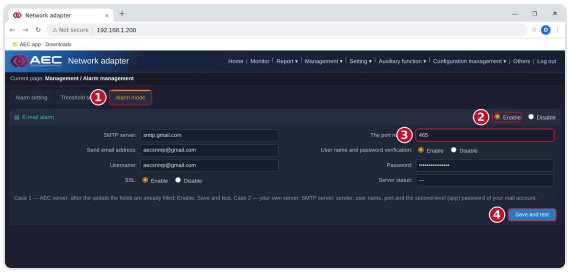
Click **Home**. The UPS values appear (input, output, battery, load) and the red alarm box is gone. **The card is working.** If *Communication failure* is still shown, check steps 8, 9 and 10.

12 Receive alarms by e-mail (recommended)

MANAGEMENT → USER MANAGEMENT · ALARM MANAGEMENT

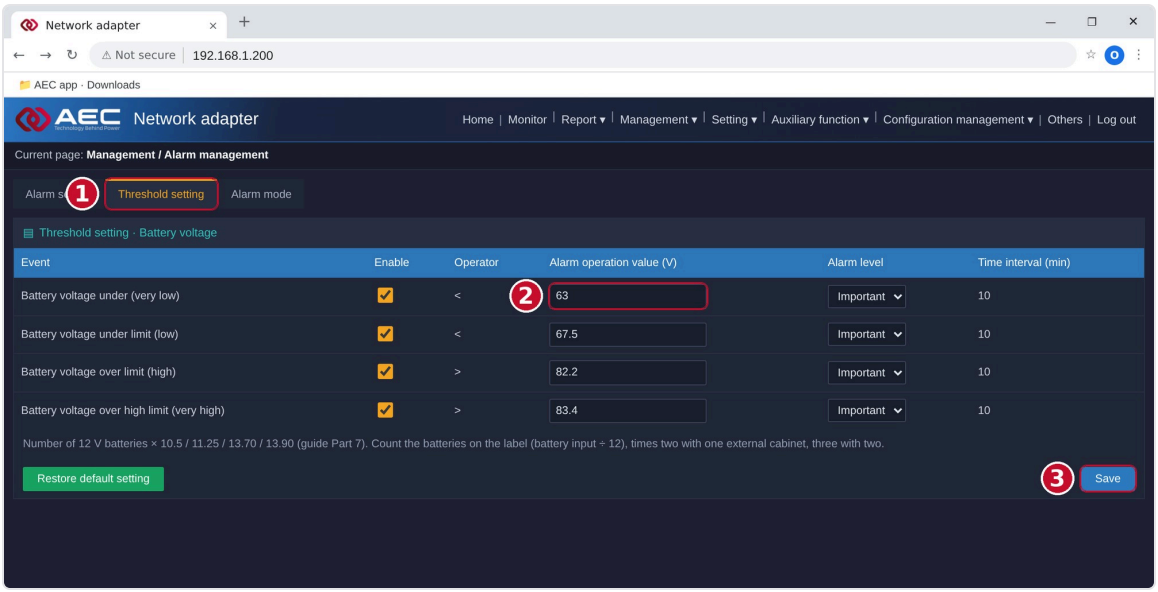


User management → Edit: your e-mail, Receive alarm Yes



Alarm management → Alarm mode → E-mail alarm

1. **Management → User management**: tick **admin** → **Edit** → **1** your e-mail address, **2** **Receive alarm: Yes** → **3** **Confirm** (left picture).
2. **Management → Alarm management** → **1** **Alarm mode**: **2** E-mail alarm **Enable**. The AEC mail server is already filled in (right picture).
3. **3** Port **465** → **4** **Save and test**. No test e-mail? Try **587**, then **25**.
4. **Management → Alarm management** → **1** **Threshold setting**: **2** set the four battery-voltage alarms for your number of batteries (User Manual §2.4) and **3** **Save**. Wrong values give false alarms.



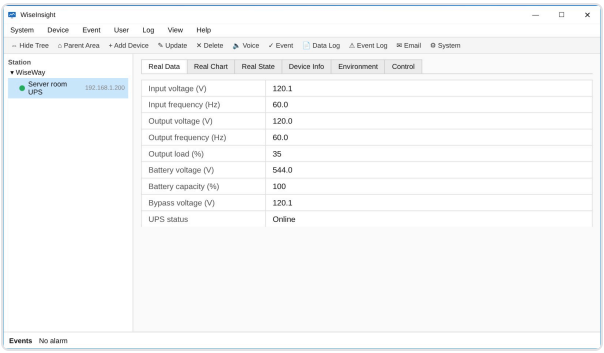
Threshold setting: battery voltage alarms (here a LUMINA 3 kVA: 6 batteries)

If something does not work

You see	Do this
WiseFind finds nothing	The card's green power LED is on and the yellow link LED next to the network port is lit · the cable · the PC is on the same network · Win10Pcap installed (step 4) · Windows firewall allows WiseFind
The login page does not open	The card's address must start like your PC's (step 6) · try another browser
“Communication failure” after step 10	Baud rate (step 8) and protocol (step 9) as in the table above · INFINITE: touch screen set to Modbus (step 10)
No alarm e-mails	Your e-mail and Receive alarm Yes · e-mail alarm enabled · try ports 465, 587, 25

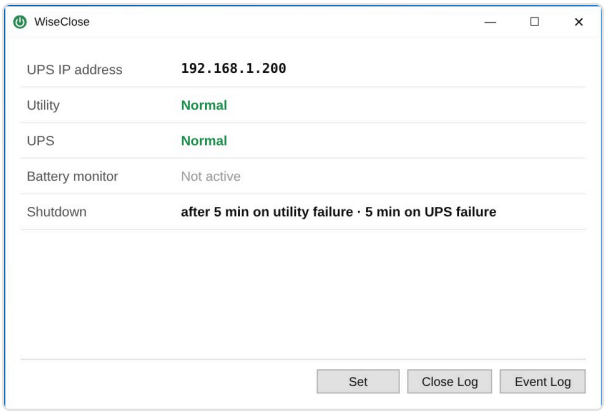
Next

WiseInsight — watch many UPS



All your UPS on one PC, with e-mail alerts and a site map. User Manual, chapter 9.

WiseClose — safe shutdown



Shuts a PC or server down by itself before the battery runs out. User Manual, chapter 10.

PRACTICE FIRST

The AEC app has this whole set-up as a step-by-step simulation for each UPS: **AEC app › Simulators › SNMP card**.

Support

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