



**ALL90011PoE**

**ALLNET PoE USV Backup**



# USER MANUAL

## Recycling and Disposal

Disposal instructions for old products. The WEEE (Waste Electrical and Electronic Equipment) national environmental initiatives has been put in place to ensure that products are recycled using best available treatment, and recovery and recycling techniques to ensure human health and high environmental protection. Your product is designed and manufactured with high quality materials and components which can be recycled and reused. Do not dispose of your old product in your general household waste bin. Inform yourself about the local separate collection system for electrical and electronic products marked by



this symbol

Use one of the following disposal options:

1. Dispose of the complete product (including its cables, plugs and accessories) in the designated WEEE collection facility.
2. If you purchased a replacement product return your older product (including all components) back to retailer. The retailer should accept it as required by the national WEEE legislation.
3. Batteries – CAUTION  
Charge Before Use – Do not short circuit.  
Do not open – Do not expose to fire.  
Must be recycled or disposed of properly.

## Safety Information

### Important Safety Information

- Connect the ALL90011PoE to PoE networks only, without routing to the outside plant
- Only qualified personnel can install or remove the ALL90011PoE

The ALL90011PoE „PoE In“ and „PoE Out“ ports are shielded RJ45 data sockets. They cannot be used as Plain Old Telephone Service (POTS) telephone sockets. Connect RJ45 data connectors only to these sockets.

- The ALL90011PoE PoE In and PoE Out interfaces are qualified as Safety Extra-Low Voltage (SELV) circuits according to IEC60950-1. Connect these interfaces only to SELV interfaces on other equipment.

## **CAUTION!**

- **RISK OF EXPLOSION IF BATTERY IS REPLACES BY AN INCORRECT TYPE**
- **DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS**

## **WARNINGS!**

- Connect the ALL90011PoE only tot he IP device with which it was bought. Using the ALL90011PoE with other IP devices can cause damage to the IP device.
- Read the installation instructions before connecting the ALL90011PoE to its power source.
- Follow basic electricity safety measures whenever connecting the ALL90011PoE to its power source.
- A voltage mismatch can cause equipment damage and may pose a fire hazard. If the voltage indicated on the label is different from the power outlet voltage, do not connect the ALL90011PoE to that power outlet.

## **Functions and Features**

The ALL90011PoE offers a compact and cost effective power backup solution for IP phones, WLAN access points, network camers and other IP terminal installation.

The ALL90011PoE is powered by the PoE power provided over the Ethernet cable charging batteries and provides 1 hour continues operation at power drop; PoE out as well as addition 12V DC and CONTACT Closure.

The ALL90011PoE supports up to 10/100/1000 Mbps pass through data rates.

The ALL90011PoE can be powered by AUX 12-24V DC or 24V AC becoming a low power Midspan charging the batteries and providing 1 hour continues operation at power drop; PoE out as well as additional 12V DC auxiliary and CONTACT Closure.

### **ALL90011PoE EMC Compliance:**

- FCC Part 15 class B and EN55022 class B
- EN55024

### **ALL90011PoE Safety Compliance:**

- UL/cUL per 60950-1 2nd Ed
- GS mark

## Preliminary Steps

- Apply PoE 802.3af to the ALL90011PoE, using at least CAT5e cable with an appropriate connection
- Connect an input Ethernet cable to the Data & Power In port – PoE In
- Connect an output Ethernet cable to the Data & Power Out port – PoE Out. Verify that a power ready Ethernet compatible device is connected.

The ALL90011PoE can be placed on a desktop:

Before placing the ALL90011PoE:

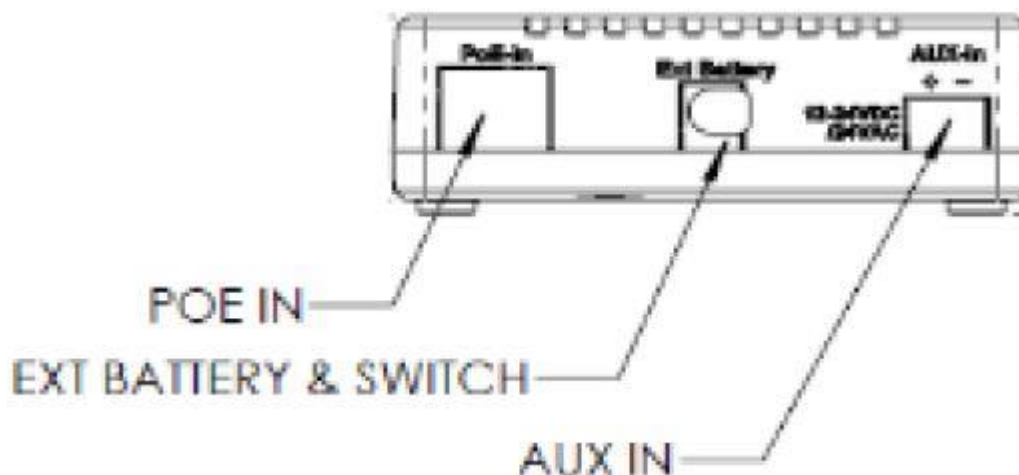
- Do not cover ALL90011PoE or block the airflow with any foreign objects. Keep the ALL90011PoE away from excessive heat and humidity and free from vibration and dust.
- Ensure that the cable length from Ethernet network source to the ALL90011PoE does not exceed 100 meters. The ALL90011PoE is not a repeater and does not amplify the Ethernet data signal.
- No „ON-OFF“ switch exists; simply plug the ALL90011PoE into a PoE source.

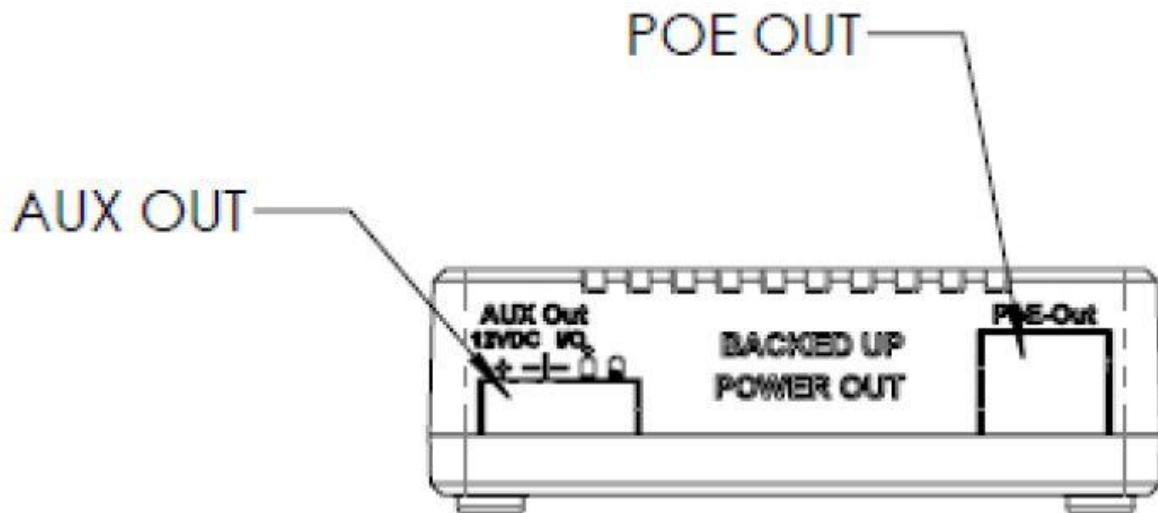
## Installing the Unit

Refer to Figure 1 & 2

1. Using a Ethernet cord, connect the ALL90011PoE to a PoE 802.3af source.
2. Connect the PoE In jack (input) to the remote Ethernet network switches Patch panel and the PoE Out jack (output) to the terminal.  
The ALL90011PoE can be placed on a desktop.

3. Before use pull out the safety knob from the Ext battery jack.





## Indicators

Connector	Indicated Behavior	Description
PoE_IN	Green LED ON	Power is ON (power is active)
PoE_IN	Yellow LED ON	Backup is on (working on BAT)
PoE_OUT	Green LED ON	PoE output power is ok
AUX_OUT Pin #4	< 0.2V  > 3.5V	External power is connected  No external power Battery Backup is ON
AUX_OUT Pin #5	Battery voltage	Battery voltage

## Specifications

### Environmental Specifications

Mode	Temperature	Humidity
Operating	0° to +50°C 32° to +122°F	10 to 90% (no condensation allowed)
Storage	-20°C to +70°C -4°C to +158°F	10 to 90% (no condensation allowed)

### Electrical Specifications

PoE_IN	PoE 802.3af
AUX_IN	12V DC / 1,5A 24V AC / 0,7A
EXT_BAT	Custom extended Battery Pack
PoE_OUT	PoE 802.3af, 11 Watt
AUX_OUT	12V / 0,8A

## Ethernet Interface

Input (Data In): Ethernet 10/100/1000Base-T	RJ45 female socket
Output (Data & Power Out): Ethernet 10/100/1000Base-T, plus VDC	RJ45 female socket, with DC voltage on wire pairs 4-5 (+) and 7-8 (-). VDC 39V to 48V depending on working mode and cable length

## Troubleshooting

Symptom	Corrective Steps
No green light at PoE_IN connector.	Verify PoE Source or Auxiliary Input is connected.
	Check or replace PoE input cable.
When disconnecting PoE_IN Backup is no initiated.	Verify removal of RED Safety Plug from Extension Battery connector
	Verify that power (PoE or Auxiliary) was connected for 24 hours to the ALL90011PoE.
	Open battery compartment by removing top lid.
	Verify battery pack is assembled and well connected.
	Replace battery pack.
No output PoE (PoE_Out green LED is Off)	Verify standard PD Load is connected to PoE_OUT.
	Verify working power source exists at the input (PoE_IN or AUX_IN connectors). PoE_IN green LED must be On.
PoE_Out green LED flickers every 1 sec.	PD Load is above or below spec. Use PD's that support PoE standard 802.3af devices only.

## CE Erklärung

ALLNET GmbH Computersysteme declares that the device **ALL90011PoE** is in compliance with the essential requirements and other relevant provisions of Directive 2014/30/EU. The Declaration of conformity can be found under this link:  
<http://ce.allnet.de/>

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## **Documentation**

Manuals are available for download at the following addresses:

<http://www.shop.allnet.de>

The information contained in this manual is believed to be correct for the specified software version at the time of printing, but is not part of any contract. The manufacturer reserves the right to change the specifications or performance data of products or the contents of this manual without notice.

## **Liability and Warranty**

In no event and under no circumstances shall the manufacturer be liable for any damage or failure due to misuse, abuse, improper use, improper installation, abnormal operating conditions and temperatures, dust, rust or failures due to operation outside the published ratings. The manufacturer is not liable for consequential and indirect damages. The complete warranty conditions are available from the supplier of the product. Umweltschutz

## **Restriction of hazardous substances (RoHS)**

The products covered in this manual comply with European and international regulations on the restriction of hazardous substances, including EU Directive 2011/65/EU and Chinese administrative measures on the restriction of hazardous substances in electrical and electronic products. **Entsorgung und Recycling**

## **REACH legislation**

Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, and Restriction of Chemicals (REACH) requires that the supplier of an article must inform the recipient if the article contains more than one specified part of a substance that is classified by the European Chemicals Agency (ECHA) as a Substance of Very High Concern (SVHC) and is therefore considered by this agency as requiring legal authorisation.