

## Instructions Battery POE 4



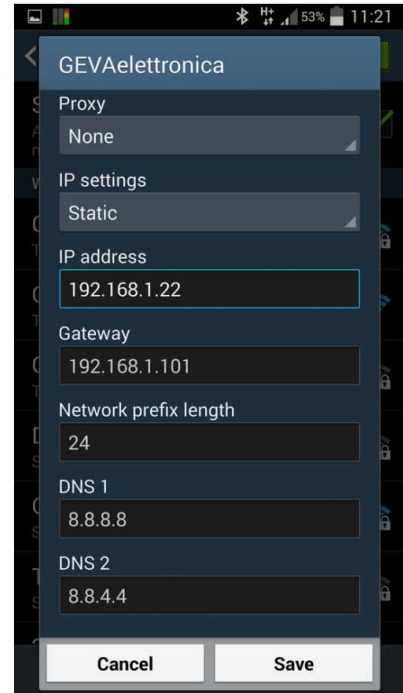
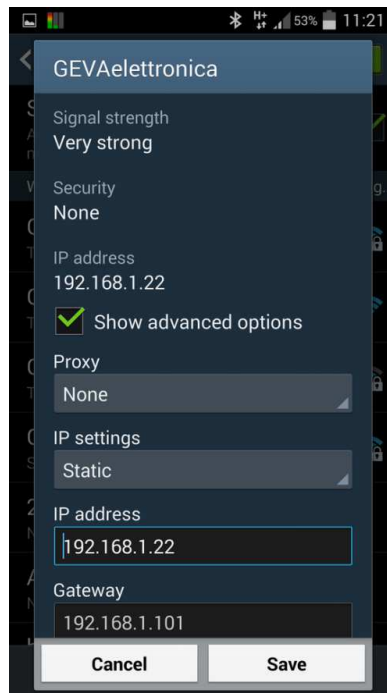
[www.gevaelettronica.it](http://www.gevaelettronica.it)

[email@gevaelettronica.it](mailto:email@gevaelettronica.it)

Portable device for alignment and testing of POE internet antennas

The hotspot is in bridge mode, transparent, everything which is on the LAN can be found on the Wi-Fi.

Set a static IP in the "GEVAelettronica" network wifi:



## Specification

24 Vout 8W POE PowerBank 6000mAh

24 Vout 15W POE PowerBank 7000mAh High current battery

WiFi 802.11 b / g / n wireless technology, 150Mbps wireless transmission rate.

OpenWrt with HTML interface

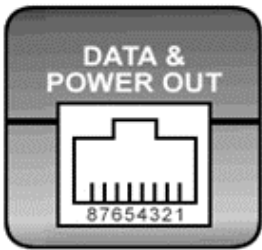
VLAN interface

Samba, for files and memory sharing

Red Led	Blue Led	Status Lights
Slow Blink	Off	Ethernet Not Connected
Slow Blink	On	Ethernet 100Mb Full duplex
Slow Blink	Slow Blink	Ethernet Slower speed
Fast Blink	Fast Blink	CPE prepared
5 Sec On	-	Failed to CPE preparing

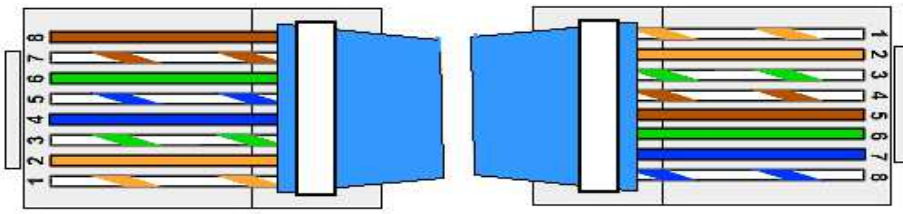


## Pinout



- 1 Data Pair 1
- 2 Data Pair 1
- 3 Data Pair 2
- 4 + VDC
- 5 + VDC
- 6 Data Pair 2
- 7 - VDC
- 8 - VDC

For 24V Cambium CPE you have to buy a LAN cable with reversed power pin.



## Accessory:

Cambium Cable



24V to 48V Cable



3 Vie cable, for LAN speed test



## Hardware/Firmware

RAM 32mByte / 256Mbit

Flash 8Mbyte / 64Mbit

RT5350F chipset

IP device 192.168.1.69 (Old firmware 192.168.1.10)

### ssh

username root

password geva

upgrade firmware type "updategeva.sh"

## Automated preparation of CPE antenna.

On the batteryPoE, through ssh connection:

/root/boot.sh	executed at startup
/root/CpConf.sh	demone for CPE configuration
/root/OnCpScript.sh	executed on the CPE for its configuration
/root/system.cfg	copied on the CPE for its configuration
/root/Leds.sh	demone that controls red/blue leds

### boot.sh

```
#!/bin/sh
```

```
iperf -s&
```

```
/root/Leds.sh &
```

```
#/root/CpConf.sh &
```

1. Remove comment (#) on the last line, on boot.sh file, for enable auto CPE conf.
2. Customize OnCpScript.sh for your requirement.
3. Copi your CPE configuration file, system.cfg
4. This example work on the Ubiquiti AirOs CPE

### iperf

iperf -s always running

You can call

```
iperf -c 192.168.1.69
```

On any linux device, CPE, PC, ecc.