

LTE Residential Outdoor CPE Device Installation Instruction

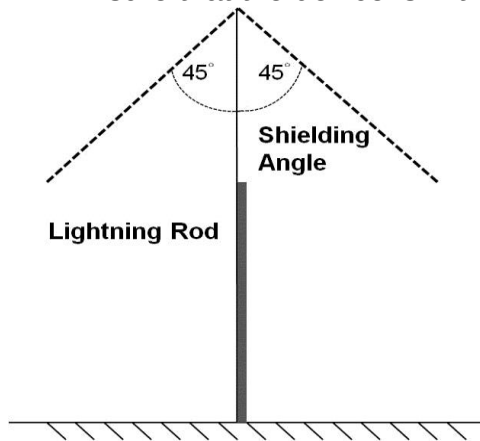
Purpose

This instruction illustrates how to mount, as well as connect and install the outdoor CPE device.

Before installing the Outdoor CPE Device

It is important to comply with the precautions listed below before installing.

- It must be installed by qualified service personnel who are well-trained in the correct procedures for installing the equipment.
- Avoid installing or working on equipment in adverse weather conditions.
- Do not disassemble the product. Warranty void if seal is broken.
- Please install the device underneath the eaves of house, or the eaves of equipment room on rooftop.
- Do not install the device on the lightning rod pole. A random lightning could easily cause fatal damage to the device.
- Ensure that the device is within the shielding angle of the lightning rod.



- Lightning / Lightning Induction / EMD damage is NOT covered under warranty.

Warranty:

Hardware warranty is for one year (12 months) from the date of purchase. Customer's unit and his accessories under normal use for warranty period is free from error, improper or inferior workmanship, material, and design.

This Warranty does not cover damage resulting from:

- i) Defects and damages due to the equipment being used other than its normal and customary manner.
- ii) An unauthorized disassembly, repair, alteration or modifications being carried out, misuse, abuse, negligence or accident howsoever caused.
- iii) Defects or damage arising from improper testing, operation, maintenance, installation, or any alteration or modification.
- iv) Use other than in accordance with the user manual, rough handling, exposure to extreme thermal or environmental conditions or a rapid change in such conditions, corrosion, oxidation, unauthorized modifications or connections,

unauthorized opening or repair, repair by use of unauthorized spare parts, accidents, forces of nature, or other actions beyond the reasonable control of GP.

Package Content:

Your Greenpacket OD-235 / OD-350 Package Contains:

Item	Quantity	Item	Quantity
OD CPE	1	Rubber Pad (for pole mount)	6
Passive PoE Injector	1	Cable cover	1
Power Adaptor	1	Screws (for cable cover)	2
Metal Strap (Default)	2	Rubber Cap for screws	2
Plastics Strap (for pole mount)	6	Rubber Cap for cable holes	2

Warning! User must use the Power adaptor and Passive PoE injector shipped in the OD package. Using other power supply unit could cause damage to OD.

Getting Started

Pole-Mounting the Outdoor CPE Device

To mount OD unit on a pole, simply follow the steps as shown below.



Step 1

Attach the rubber pads (x3) on device



Step 2

The other 3 rubber pads being attached on the opposite side of pole



Step 3

Wrap the plastic strap around the pole, pulling anticlockwise to tighten it.



Step 4

Using the clockwise pulling force to ensure it has been completely tighten and locked.

Metal Strap



Hardware Setup

Connect the Outdoor CPE Device to Passive PoE injector unit

Connect RJ-45 port, marked as “ODU”, of PoE injector to the RJ-45 port of OD unit by using standard Ethernet cable. (Note 1.)



Connect PC to PoE injector for configuring Outdoor CPE Device

Connect the other RJ-45 port, marked as “LAN”, of PoE injector to computer by using the device cable.

Connect the PoE injector to the power source to power up the Outdoor CPE

Power on ODU

- Put the power adaptor plug into the DC jack of PoE injector
- Plug the power adaptor to the electrical outlet
- When OD is powered on, “Power LED” (the 1st LED on back side of top cover) will be solid on.

Note 1: In OD-235/ 350 product package, Ethernet cable is NOT included.

Warning! Please use standard Ethernet (UTP, unshielded twisted pair) cable to install OD series.

Use PC to configure the ODU

When Outdoor CPE device normally boots-up, refer to User Guide to configure the ODU. After the ODU successfully connects to Base Station, service personnel can fine tune the azimuth and elevation of ODU to get optimum RSSI value.

Access the Web Management Page

The web-based configuration utility can be used for initial device installation, parameter configuration, and function management through the browser.

Ensure that the device is connected to the computer. Follow these steps to log in to the web management page:

1

Configure the computer's IP address so that the IP addresses of the computer and the device are in the same network segment.

Note:

The device's default IP address is 192.168.15.1, the subnet mask is 255.255.255.0, and the login password is admin. If the device operates in routing mode, it is recommended you automatically obtain the IP address and DNS server address.

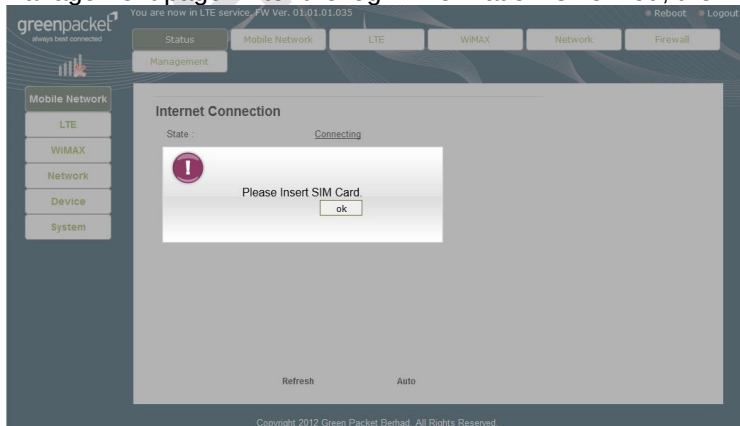
2

Open the browser, and enter **http://192.168.15.1** in the address box.



3

Enter administrator / administrator as the Admin name and Password to log in to the web management page. After the login information is verified, the web management page is loaded.



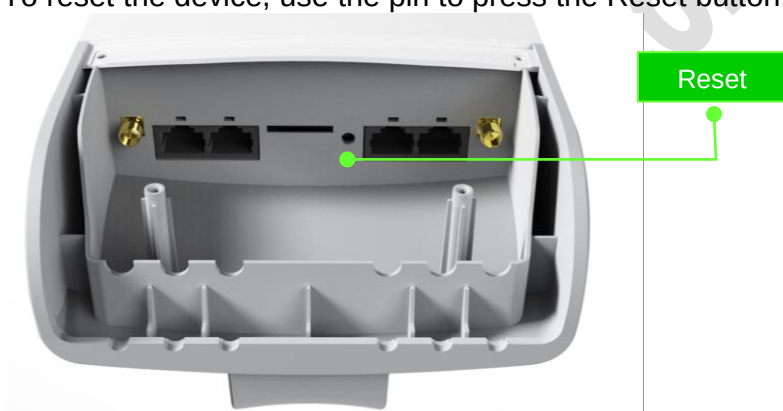
SIM card insertion

To insert SIM card, please make sure to follow the direction as below. The metal part of SIM card is facing upward.



Reset

To reset the device, use the pin to press the Reset button.



LED Indication



	BLINK	Power On	SIM Detected	SCAN	Auth.	DHCP IP	Weak	Good	Strong	F / W Upgrade
Power On	●	●	●	●	●	●	●	●	●	●
SIM Detected	○	○	○	○	○	○	○	○	○	○
SCAN	○	○	○	●	●	●	●	●	●	●
Auth.	○	○	○	○	●	●	●	●	●	●
DHCP IP	○	○	○	○	○	●	●	●	●	●
Weak	○	○	○	○	○	○	●	●	●	●
Good	○	○	○	○	○	○	○	●	●	●
Strong	○	○	○	○	○	○	○	○	●	●
F / W Upgrade	○	○	○	○	○	○	○	○	○	●

Claim FCC Regulations

FCC Regulations

- This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
- Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
- This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
 - Reorient or relocate the receiving antenna.
 - Increase the separation between the equipment and receiver.
 - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
 - Consult the dealer or an experienced radio/TV technician for help.

FCC RF Exposure Compliance

This equipment complies with radio frequency (RF) exposure limits adopted by the Federal Communications Commission for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator & your body.