

# Quick Start Guide

Dear Customer

Thank you for Purchasing the LTE WiFi Router. Have a wonderful experience with lightning speed downloads.

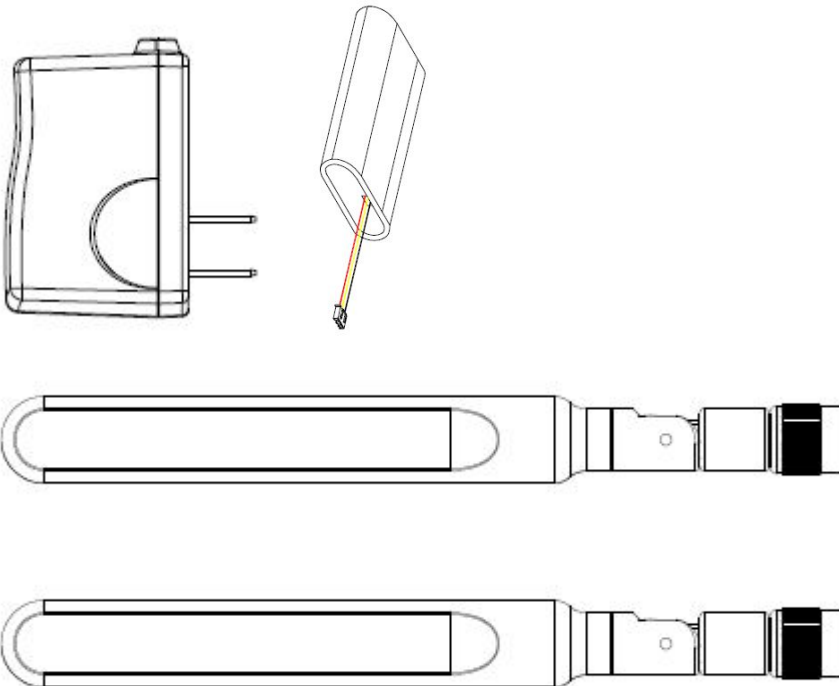
For information LTE stands for “Long Term Evolution” and CPE stands for “Customer Premises Equipment”.

## Before you Begin

Check the following items in this package:

### Accessories:

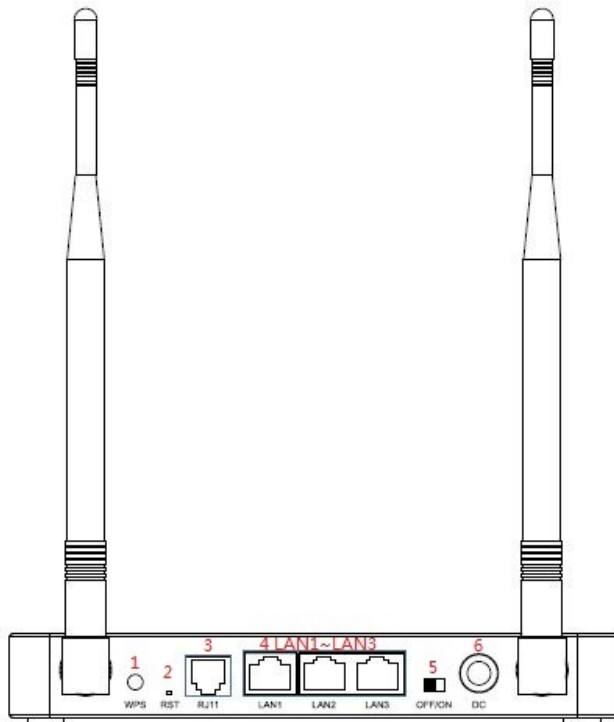
Item	Quantity
Antenna	2
POWER SUPPLY	1
Battery	1



## Getting to know the CPE

### Note:

The figures below are provided only for reference purposes. See the actual product for more details.



### 1. WPS

Press WPS button for 5 seconds to open the PBC function

### 2. (RST) RESET

One can restore the default settings of the CPE by holding down this button for more than 10 seconds. Restoring the default settings of the CPE will override all the previous settings.

### 3. Phone Port

This Port is used for connecting Phone using a Phone cable

### 4. LAN1-LAN3 Indicators

This indicator is on when an Ethernet device has been connected to the relevant port.

### 5. ON/OFF switch

This Port is used for controlling the device to power on or power off.

### 6. Power Supply

This Port is used for connecting Power Supply.

### Others

When you open the back cover, you can insert the SIM card and install the battery.

### Placing the CPE

- Keep the CPE away from household electrical appliances that produce strong electric or magnetic fields such as microwave ovens, refrigerators or dish satellite antennas.

### **Connecting the CPE**

#### **Install the USIM card**

This CPE is specially designed for the 4G LTE network. Please check that you have a valid USIM card from the service provider.

- Open the bottom cover on the CPE
- Insert a valid USIM card into the USIM card slot.
- Insert a Battery into the Battery slot ,put the Bottom cover back.

#### **Remove the USIM card**

Push to eject the USIM card from the slot.

#### **Remove the Battery**

Push to eject the Battery from the Battery slot

### **Connecting External Device(s) to the CPE**

To use the Internet connection and configure the CPE settings, you must connect your CPE to a computer.

1. Insert the Power supply cable into the Power port.
2. Insert an Ethernet cable to one of the Ethernet ports.
3. Insert a phone cable to the phone port.
4. Plug the power supply into a power outlet.
5. Connect LAN devices such as computer or switches to the LAN ports of the CPE by using good quality Ethernet cables or use Wi-Fi.

### **Accessing the Web based Utility**

The web based utility of the CPE is a web browser based configuration interface that allows easy device set up, configuration and management through internet browser. For example on a PC with Windows XP or higher version:

1. Connect the hardware of the CPE correctly.
2. Set the IP address of the connected computer and ensure that the IP address of the computer is in the same segment as that of CPE.

**Note:**

By default the IP address of the CPE is 192.168.0.1, the subnet mask is 255.255.255.0 and the user log in password is admin and password is admin. It is recommended that the IP address and DNS settings are obtained automatically.

3. Run internet explorer. Enter <http://192.168.0.1>. In the address bar and press enter.

4. Enter the correct user name and password in login window and login. After the password verification, the web based utility functions can be performed.

5. The HOME screen of the CPE will be displayed

**For more information**

Refer to the user manual on home screen of the GUI of the CPE.

**FAQ:****The power indicator is not ON.**

- Check if the Power Supply is plugged properly into AC socket.
- Check if the LED on the POE power supply is Green indicating it is correctly plugged in AC.
- Check if the power adapter meets the requirement and specification
- Check if the Ethernet Cable used to carry power to CPE is a four pair cable.

**Web Based Utility cannot be accessed**

- Ensure that the CPE is on.
- Ensure that network cable between LAN port on POE power supply ( or wireless router) and computer is properly connected
- Ensure that IP address of the computer is correct

**Device cannot access the network**

- Check if the SIM card is inserted properly
- Check LTE network status from Web GUI and Minimum RSRP should be greater than -120 dBm for access to the network. Typically should be around -90 dBm.

**Device cannot access the internet**

- Check that Operator has provided internet access services
- Check that IP address is automatically taken
- Check that firewall rules are not blocking your internet service.

**Throughput performance is not OK**

- Ensure that there are not too many users under the same LTE Cell.
- Ensure the wireless environment is good.
- Check the value of SINR thru GUI. >10 dB is a good value for good throughput.

## FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates 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.

This device complies with Part 15 of 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.

Note: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate this equipment.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

The antenna(s) used for this device must be installed to provide a separation distance of at least 20 cm from all persons during normal operation.

Only approved antenna (provided by the manufacturer) could be used for this device to compliant FCC relevant requirements.