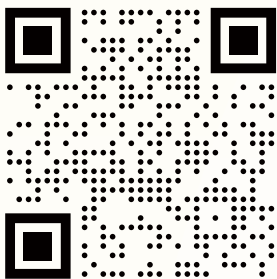# OUTDOOR ROUTER

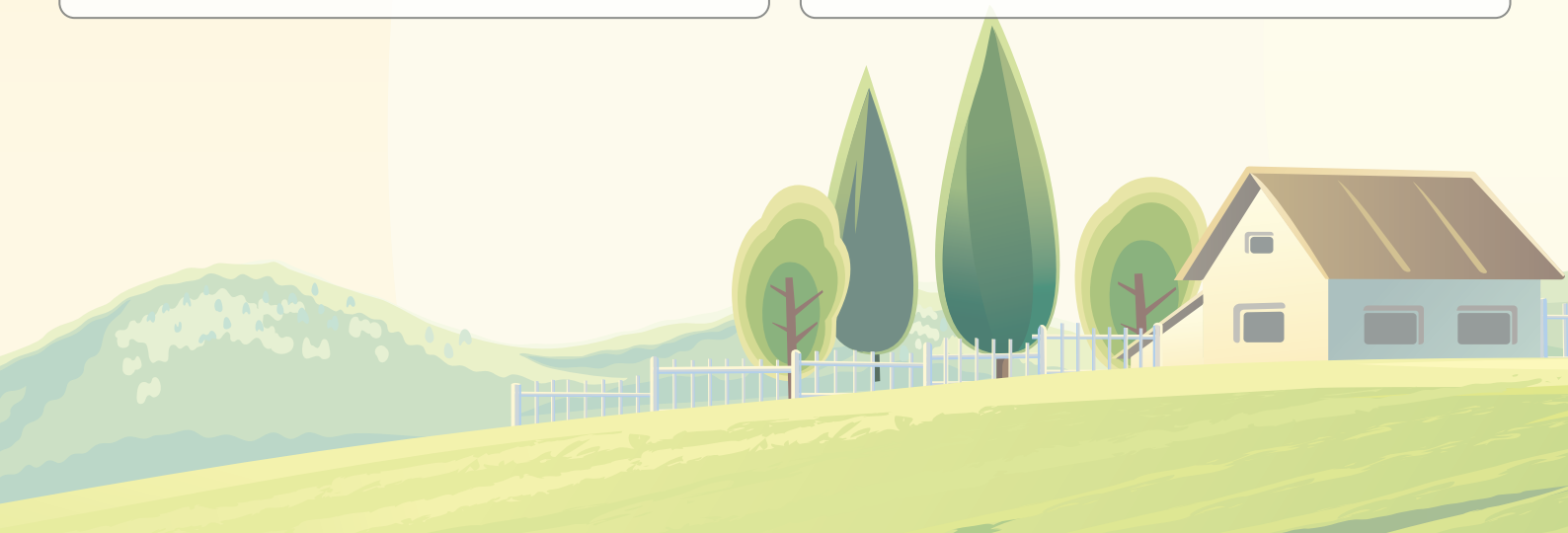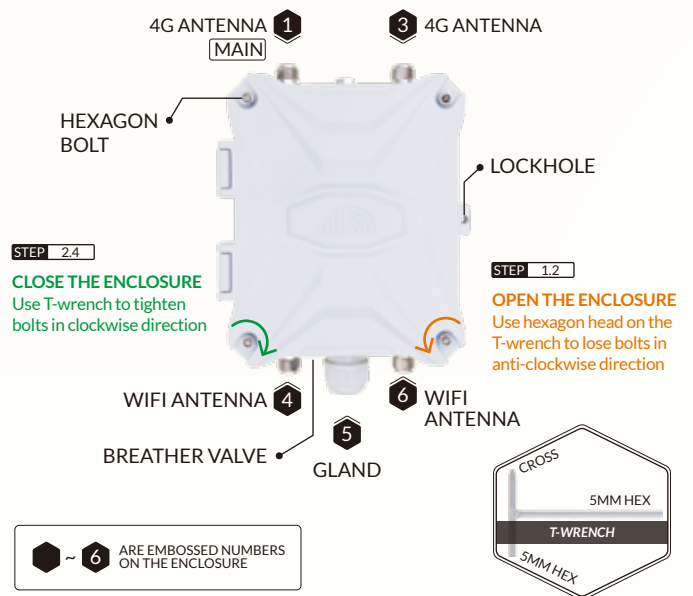## EZR34 SERIES QUICK GUIDANCE

EZR34.OutdoorRouter.xyz

Scan QR code or visit URL link to see the complete edition of the online manual.

PACKAGE CONTENTS

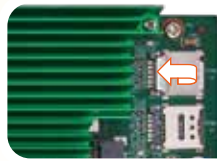**STEP 1.1** Check and count the package contents.

Outdoor Router	4G & WiFi Antennas	10-Meter LAN Cable
PoE Injector PLUG for UK / EU / US / AU	L-Bracket & T-Wrench	Mounting Kit

INTERFACE OVERVIEW

4G ANTENNA MAIN ①   ③ 4G ANTENNA

HEXAGON BOLT

LOCKHOLE

STEP 2.4
CLOSE THE ENCLOSURE
Use T-wrench to tighten bolts in clockwise direction

STEP 1.2
OPEN THE ENCLOSURE
Use hexagon head on the T-wrench to lose bolts in anti-clockwise direction

WIFI ANTENNA ④   ⑥ WIFI ANTENNA

BREATHER VALVE   ⑤ GLAND

● ~ ⑥ ARE EMBOSSED NUMBERS ON THE ENCLOSURE

CROSS
5MM HEX
T-WRENCH
5MM HEX

MOTHERBOARD
SIM CARD & PoE

50B3B4067BC4

RESET | WAN | PoE & LAN | DC

③ **BARREL**

STOPPER ④ *[Smaller]*

LAN CABLE

② **CAP** ⑤

RJ45 CONNECTOR ⑥

PoE INJECTOR
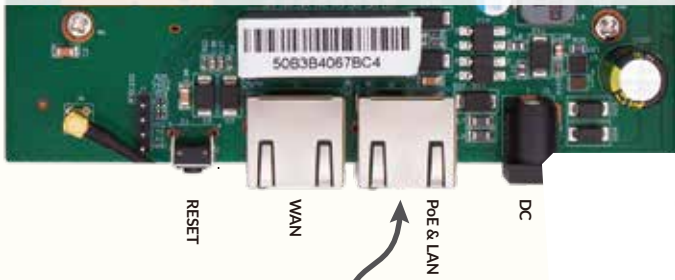
STEP 2.3 PoE

1. Take cap off from the gland. Push out the stopper from the inside of the gland.

2. Take one end of the LAN cable through the cap.

3. Put LAN cable through the barrel screw and plug in the **PoE & LAN port** on the motherboard.

4. Clamp the stopper on the LAN cable and settle it in the barrel.
   * *The smaller end faces the outside.*

5. Turn the cap in the clockwise direction to tighten it on the barrel screw.

6. Connect another end of the LAN cable to **PoE port** on the PoE injector.

7. *Connect AC plug on the PoE injector to electrical outlet until set up all the below steps (to 3.3).*

NOTE
To exchange the AC plug, press and hold the **Push** button then push the AC plug upword to take it off.

8. ETHERNET

i. Connect a computer to the LAN port on the PoE injector to get the Ethernet connection.
ii. To use another router, connect its WAN port to the LAN port on the PoE injector.

PUSH BUTTON

AC PLUG

STEP 2.4

Close the lid & press it with your hand. Use T-wrench to tighten four pieces hexagon bolts on the lid.

Ensure no gap after tightening the screws!

SIM CARD   STEP 2.1

TURN OFF POWER BEFORE INSERTING THE SIM CARD

1. Locate SIM#1 slot on top right corner Hold and slide left to open the SIM lid

2. Put a Nano SIM card in the SIM card slot The gold pins should be face down

3. Cover the SIM lid and slide right to lock it

* WARNINGS *
* Use activated SIM card in the router
* Make sure the SIM card is working well
* Insert SIM card in the SIM1 slot

STEP 2.2

Make sure the mobile carrier has a strong enough signal in your area

The modem sensitivity is -101dBm equals to approx. 2-bar on a phone

Refer to **https://ezen.link/signal-test**

ANTENNAS   STEP 2.5

Locate embossed numbers **1~6** on the top & bottom sides
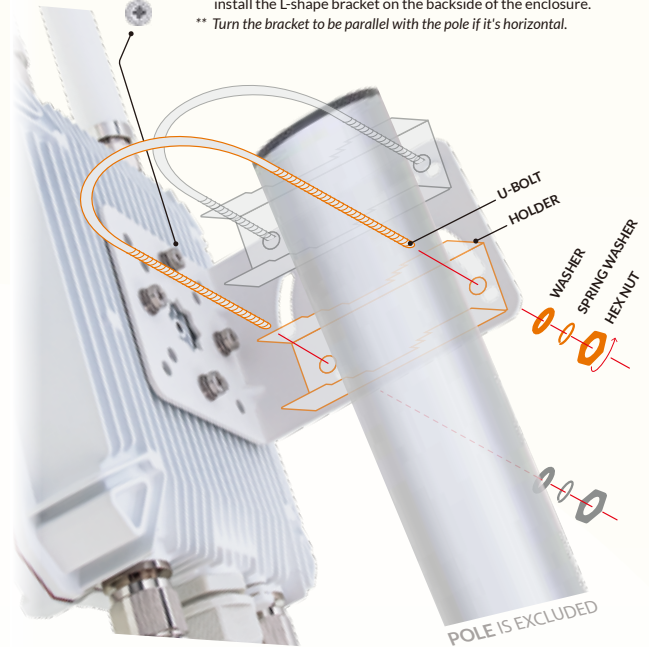
1 & 3 for 4G antennas

4 & 6 for WiFi antennas

Turn the hex part on the antennas in the clockwide direction to tighten them

---

BRACKET & MOUNTING

STEP 3.1 Walk around with a mobile phone and check the network type and signal bars. Then choose a location with a 4G LTE network reception and strong signal reception.

STEP 3.2 Use the cross end on T-wrench and M6 cross-head screws to install the L-shape bracket on the backside of the enclosure.
** *Turn the bracket to be parallel with the pole if it's horizontal.*

U-BOLT
HOLDER
WASHER
SPRING WASHER
HEX NUT

POLE IS EXCLUDED

U-BOLT HOLDER WASHER SPRING WASHER HEX NUT

STEP 3.3 INSTALL ON A POLE
Find a pole with diameter of Ø35~50mm.

1. Clasp the pole with U-bolts and holders, attach them on either side of the L-shape bracket.

2. On another side of the bracket, put washers, spring washers, and hex nuts on U-bolts. Tighten the nuts with an M10 spanner.

FIRMWARE CONFIGURATION

STEP 4.1

After turning on power *(step 2.3.7)*, use a phone or computer to join the Wi-Fi hotspot **Outdoor-WiFi-xxx** or connect the computer to the **LAN port** on the PoE injector *(step 2.3.8)*.

Open a web browser, enter the router IP **http://192.168.30.1** on the address bar.

Click the **Login** button to access the admin panel.

* *If unable to access, recheck the Wi-Fi and LAN connections and clean the web browser cache.*

• • • **http://192.168.30.1**

AUTHORIZATION REQUIRED
Please enter your router password!
Password *Default has no password!* [Login]
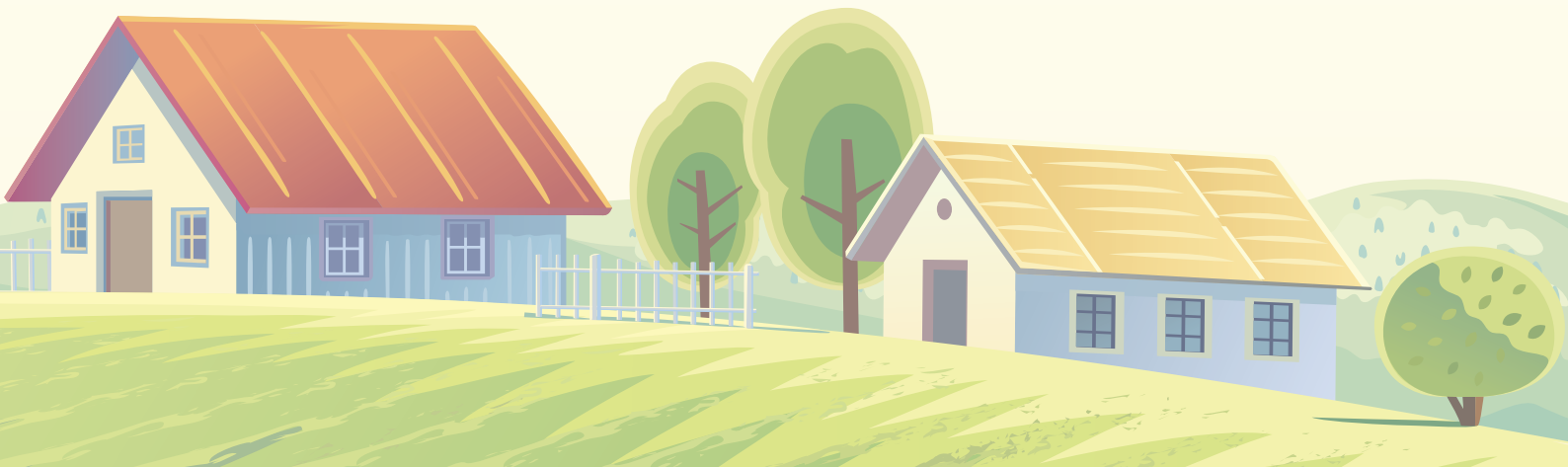
After accessing the router admin panel, navigate to *System > System* from the top menu. Under the tab of *General Settings*, click the *Sync with browser* button to sync the time.

Router password

Go to *System > Administration*, input new custom *router password* twice, and save settings.
Keep the new password in a safe place.

Go to *Network > Wireless*, click the *Edit* button on *SSID: Outdoor-WiFi-xxx* *(Mode: Master)*.
Scroll down to *Interface Configuration*, change Wi-Fi SSID on *ESSID* field.
Click the tab of *Wireless Security*, choose *WPA-PSK/WPA2-PSK* on *Encryption*.
Input the Wi-Fi password on the *Key* field, then save settings.
V4 is the 2.4GHz hotspot, and **V5** is the 5.8GHz hotspot.

Wi-Fi SSID & password

MOBILE MODEM

1. Status   On the front page, check the modem status and the signal strength on the right-side **DEVICE** section.

2. Interface   Go to Network > Interfaces, check the IP and traffic flow of the **MOBILE** interface.

3. APN   It is non-necessary to change APN unless the mobile carrier requires to do so.
Click the *Edit* button on the **MOBILE** interface to change the APN settings.
* Check the APN tutorial on https://ezen.link/APN.

4. Protocol   It is also not necessary to change the protocol unless default one is no supported.
* Check the protocol tutorial on https://ezen.link/protocol.

5. Debug

Status	Solution
Disabled	*Check if the SIM card is locked.*
Connection attempt failed	*Re-insert the SIM card and check the signal strength.*
Network device is not present	*The Guardian module is resetting. Wait for 2-3 minutes.*
Connected but no internet	*Check if the data plan supports use on a 4G router.*

LOCAL NETWORKS

Turn on DHCP mode on the phone or computer to obtain a local IP address from the 4G router. To use a static IP address, please comply with the below format.

Computer IP	192.168.30.100~249 *(pick one IP from 100~249)*
Subnet mask	255.255.255.0 *(24 on Windows)*
Gateway (Router IP)	192.168.30.1

RECOVERY

Reboot

The router might have glitches after running for days or weeks.
Reboot the router could solve most of the issues.
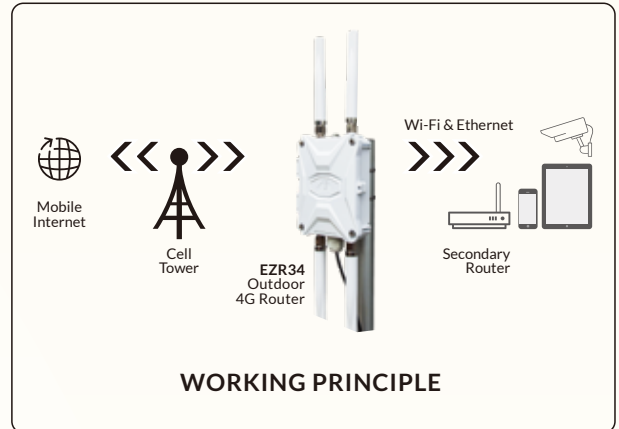You may go to *System > Reboot* or unplug the PoE injector to reboot the router.

Soft Reset

If the router works unstable after made changes to the firmware, please go to *System > Backup / Flash Firmware*. Click the *Perform reset* button to run a soft reset.

Hard Reset

If unable to access the router admin panel, please run a hard reset.
When the device is powered on, tap and hold the *round Reset button* for 5 seconds.
Then release it and **wait for 4 minutes** to boot up.

! IMPORTANT ! DO NOT TURN OFF POWER WHILE RESETTING THE ROUTER!

Mobile Internet — Cell Tower — **EZR34** Outdoor 4G Router — Wi-Fi & Ethernet — Secondary Router

WORKING PRINCIPLE

Thanks for reading! If you have questions while using the router, please check the online manual at `ezr34.outdoorrouter.xyz`

Please feel free to contact us if you need any further assistance.