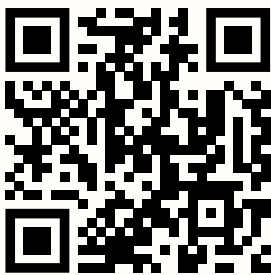# OUTDOOR ROUTER

EZR33T QUICK GUIDANCE
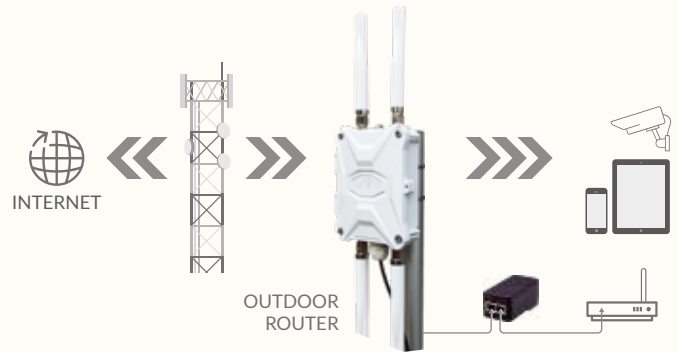### EZR33T SCHNELLLEITUNG

EZR33T.Router.Works

Scan QR code or visit URL link to see the complete edition of the online manual.
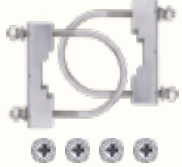
Scannen Sie den QR-Code oder besuchen Sie den URL-Link, um die vollständige Ausgabe des Online-Handbuchs zu sehen.

WORKING PRINCIPLE
WIE FUNKTIONIERT ES

INTERNET

OUTDOOR ROUTER

PACKAGE CONTENTS
PACKUNGSINHALT

STEP 1.1 Check and count the package contents.

Outdoor Router *Außen-Router*	2x 4G and 2x WiFi Omni Antennas *Rundum-Antennen*	10-Meter LAN Cable *LAN-Kabel 32,8-Fuß*
AC-PLUG FOR UK / EU US / AU PoE Injector *PoE-Injektor 48Volt*	L-Bracket & T-Wrench *Halterung & Schlüssel*	Mounting Kit *Montagesatz für außen*

Note: The PoE injector has either UK/EU/US/AU plug according to the destination. Please contact us immediately if any components are missing.

INTERFACE OVERVIEW
PORTS & SCHNITTSTELLEN

4G ANTENNA **1** MAIN   **3** 4G ANTENNA

STEP 1.2

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

HEXAGON BOLT

LOCKHOLE

CROSS

5MM HEX

T-WRENCH

5MM HEX

CLOSE THE ENCLOSURE
Close the lid & press by hand. Ensure no gap after closing. Use T-wrench to tighten all bolts in clockwise direction.

2.4G ANTENNA **4**   **6** 2.4G ANTENNA

5

BREATHER VALVE   GLAND
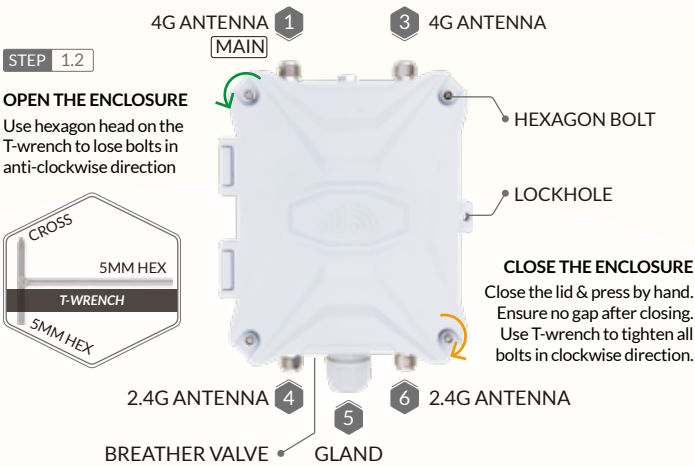
STEP 1.3

INSTALL ANTENNAS
ANTENNEN INSTALLIEREN

You can install the antennas after finishing the below step 2 or step 3.

The 4G-LTE antennas are marked **4G** and Wi-Fi antennas are engraved **2.4G**.

4G   2.4G

LOCATE ANTENNA SOCKETS

Locate embossed numbers **1~6** on the top & bottom sides

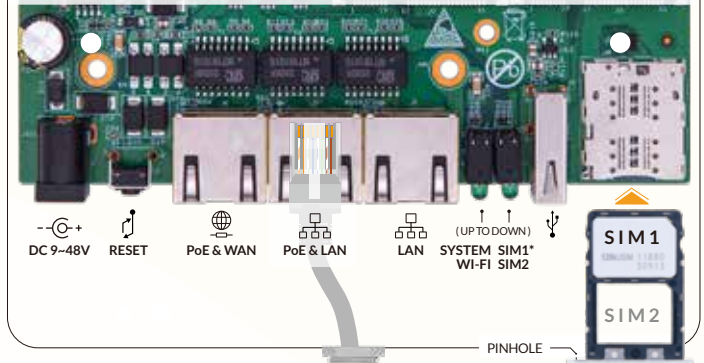1 & 3 are for **4G** antennas
4 & 6 are for **WIFI 2.4G** antennas

Put antennas aligned at corresponding sockets, turn the milled part on the antenna head in the clockwise direction to tighten them.

UPGRADEABLE
All of the base sockets are N-female. Ensure alternative antennas are with N-Male connectors.

INSERT SIM CARD & CONNECT PoE
SIM-KARTE EINLEGEN & PoE ANSCHLIESSEN

DC 9~48V	RESET	PoE & WAN	PoE & LAN	LAN	(UP TO DOWN) SYSTEM WI-FI	SIM1* SIM2	

SIM 1

SIM 2

PINHOLE

PIN   **SIM-CARD TRAY**
FOR NANO-SIM (0.5" x 0.3")

BARREL

Firstly, take off the **Cap** anti-clockwise from gland. Push from inside of **Barrel** to take out the **Stopper**.

STOPPER

Smaller

Ensure it has a strong mobile signal. The modem sensitivity is -101dBm, approx 2-bar on the phone.

STEP 2.2 **PoE**

CAP

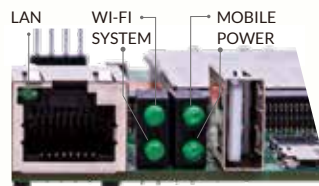Take one end of the LAN cable through the **Cap**.

Put the LAN cable through Barrel, plug in **PoE & LAN** port.

Clamp the **Stopper** on the LAN cable & settle it in the **Barrel**.

Turn the **Cap** clockwise to tighten it on **Barrel**.

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

SIM CARD 2.1 **STEP**

Please turn off the power while inserting or taking out a SIM card.

Use the **PIN** to push the **PINHOLE**, and the **SIM-Card Tray** pops out.

Insert a SIM card in the **SIM1** Slot.

Reposition the **SIM-Card Tray** in the slot and push it back.

LAN CABLE

INDICATORS

LAN   WI-FI SYSTEM   MOBILE POWER

The indicators turn on green color when a related function is activated. They flash when having data flow.

ETHERNET

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

ALTERNATIVE POWER

You can replace PoE injector with an IEEE802.3af/at standard PoE switch and the DC socket takes 9~48Volt power.
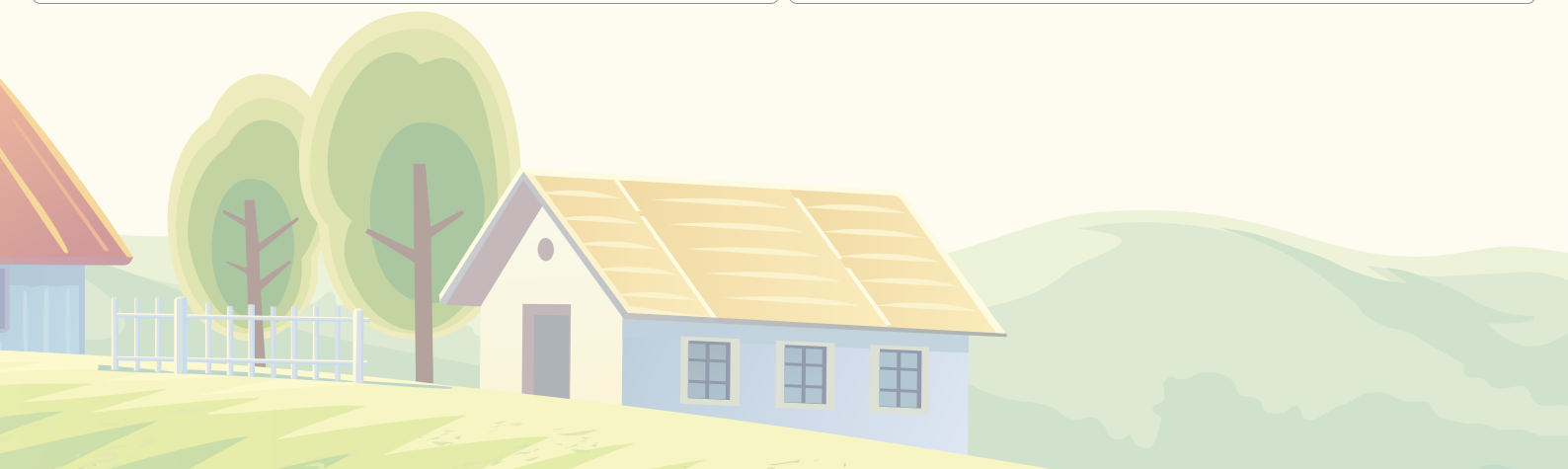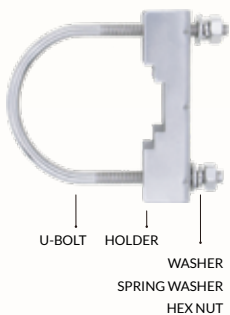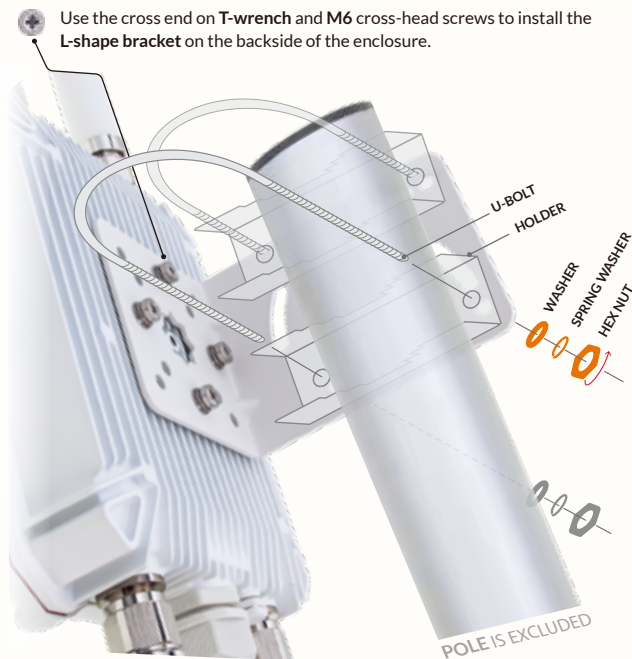
BRACKET & MOUNTING
HALTERUNG UND BEFESTIGUNG

STEP `3.1` **SIGNAL COVERAGE**

The cellular signal quality is crucial to mobile internet speed and stability. Ensure there is fair signal coverage. The router should install in a suitable location, such as elevated, near a window, and away from obstructions and other RF equipment.

Suggest using a smartphone and walking around to check the signal bars. To measure the signal quality accurately, please check tutorial at *https://www.outdoorrouter.com/signal/*.

STEP `3.2` **INSTALL ON A POLE**

Find a pole with Ø35~50mm diameter. The typical installation is on a vertical pole. Turn the bracket to be parallel with pole when install it horizontally.

Use the cross end on **T-wrench** and **M6** cross-head screws to install the **L-shape bracket** on the backside of the enclosure.

U-BOLT
HOLDER
WASHER
SPRING WASHER
HEX NUT

POLE IS EXCLUDED

U-BOLT   HOLDER
WASHER
SPRING WASHER
HEX NUT

Firstly, clasp the pole with U-bolts and holders, then attach the L-shape bracket to the holders.

On another side of the bracket, put **washers**, **spring washers**, and **hex nuts** on U-bolts.

Tighten the hex nuts with an M10 spanner.

POWER ON ROUTER

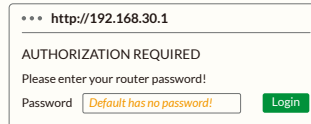Connect the AC plug on the PoE injector to the 110~240 Volt electrical outlet, and the router will boot up automatically.

FIRMWARE CONFIGURATION
FIRMWARE KONFIGURATION

STEP `4.1` **CONNECT BY WIFI OR LAN**

After turning on power, use a phone or computer to join the open Wi-Fi hotspot *Outdoor-WiFi-xxxx* or connect the computer to the **LAN port** on the PoE injector.

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.

> • • • **http://192.168.30.1**
>
> AUTHORIZATION REQUIRED
> Please enter your router password!
> Password *Default has no password!*   Login

* If unable to access the login page, change a web browser and recheck the Wi-Fi or LAN connection.

STEP `4.2` **SET ADMIN PASSWORDS**

After accessing the router, navigate to **System > System** from the top menu. Under the **General Settings** tab, click the **Sync with browser** button to sync the time.

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

STEP `4.3` **SET WIFI HOTSPOTS**

Go to **Network > Wireless**, there are two WiFi hotspots on the wireless overview.
[radio0]   Generic MAC80211 802.11bgn --- SSID: **Outdoor-WiFi-xxxx**

Click the **Disable (Enable)** buttons to turn off (on) the WiFi hotspots. **Associated Stations** are the active WiFi connections and their working status.

Click the Edit buttons on each SSID row to enter their configuration pages.

On the **General Setup** tab, you can monitor the hotspot's working status. Suggest using default settings of Mode, Channel, Width, and Transmit Power.

WIFI SSID & PASSWORD

Scroll down to **Interface Configuration**, and change WiFi SSID on the **ESSID** field.

Click the tab of **Wireless Security**, and choose *WPA*, *WPA2*, or *mixed mode* on the **Encryption** option. Input the WiFi password in the **Key** field.

Click the **Save & Apply** button on the bottom right corner. The WiFi hotspot takes 2~3 minutes to reboot. Then re-connect to the new hotspot.

WIFI COVERAGE

For better outdoor WiFi coverage, suggest installing the router in an open space with the fewest barriers nearby.

To cover indoor spaces, you can install the router near the windows or doors. You can also use an indoor router and link to the LAN port on the PoE injector.

SETUP LTE-MODEM

The default mobile modem settings can adapt to most operators. You can find the mobile modem **Device** information on the front page.

If the Mobile interface fails to connect, verify the mobile signal quality and check with the operator if the SIM card is enabled and has data allowance.

MOBILE INTERFACE

MOBILE

wwan0

Protocol: Mobile Data
Uptime: 12h 12m 12s
RX: 757.03 KB (1782 Pkts.)
TX: 1.66 MB (11551 Pkts.)
SIM: Primary SIM1
IPv4: 10.xx.xx.xx/xx

Go to **Network > Interfaces**. Check the protocol, uptime, data flow, SIM, and IP.

Click the **Edit** button to configure the advanced Mobile parameters.

Protocol	Use QMI or PPP protocol for traditional networks and virtual operators. ** Check the tutorial at https://www.outdoorrouter.com/protocol/*
Active SIM	Choose the SIM card slot that inserts a SIM card.
Auto Switch SIM Card	Enable it when inserting two SIM cards on both SIM1/2 slots. It switches to another slot when Active SIM Card is offline.

Primary SIM1 / Secondary SIM2

APN	Refer to operator's instructions to set APN, username, and password. ** Refer to the tutorial at https://www.outdoorrouter.com/apn/*
PIN	Leave it blank when using the default SIM card PIN code.
Authentication	Usually use **PAP** or **PAP/CHAP** authentication.
IP Type	Please choose **IPv4 only** or **both IPv4/IPv6**.

STEP 4.5 **LAN NETWORK**

Turn on DHCP mode on the phone or computer to obtain a local IP address from the 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	192.168.30.1	

STEP 4.6 **RECOVERY**

Reboot	Rebooting the router could solve glitches after a long period of work. Go to **System > Reboot** or replug the PoE injector to reboot it.
Soft Reset	If the router works unstable after changing settings, go to **System > Backup / Flash Firmware**. Click the **Perform Reset** button to reset it.
Hard Reset	To run a hard reset, tap and hold the **Reset** button for 5 seconds when the router is powered on. Release it and wait 5 minutes until boots up.

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

Thanks for reading! If you have questions while using the router, please check the online manual at `EZR33T.Router.Works`

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

OutdoorRouter
www.outdoorrouter.com

Feel free to contact us if you need any further assistance.
Bei fragen wenden sie sich bitte an nus.

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