

# OUTDOORROUTER

## EZR35-5G QUICK GUIDANCE

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This quick guidance covers initial setup and basic operations.  
Scan the QR code or visit the URL below for the online manual.

[outdoor.router.works/ezr35-5g](https://outdoor.router.works/ezr35-5g)



## OUTDOORROUTER

For operations and features not covered in this guide,  
please check more instructions on the full online manual.

Our support team is ready to assist you with any questions.

### E-MAIL

[supports@outdoorrouter.com](mailto:supports@outdoorrouter.com)

### CONTACT US

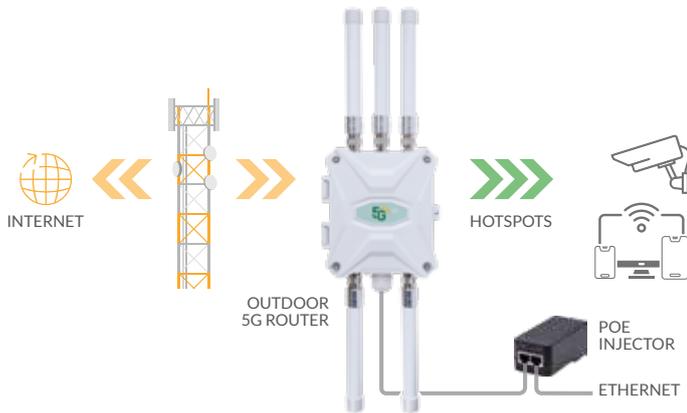
[www.outdoorrouter.com/contacts/](https://www.outdoorrouter.com/contacts/)

Dive deeper into the full online manual  
[outdoor.router.works/ezr35-5g](https://outdoor.router.works/ezr35-5g)

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### WORKING PRINCIPLE



### PACKAGE CONTENTS

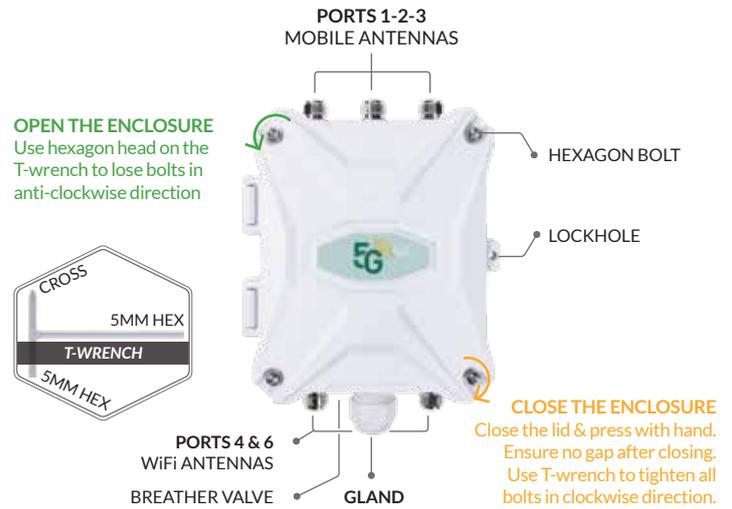
Review the list and images below to verify that all components are in the box. If anything is missing or damaged, please contact our support team.

- |                        |                          |
|------------------------|--------------------------|
| 1 x Outdoor Router     | 1 x L-Shape Bracket      |
| 3 x Mobile Antenna     | 2 x U-Bolts with Holders |
| 2 x WiFi Antenna       | 1 x T-Shape Wrench       |
| 1 x 10-meter LAN Cable | 1 x PoE Injector         |

Outdoor Router	5x Omni Antennas	10-Meter LAN Cable
PoE Injector	L-Bracket & T-Wrench	Mounting Kit

### INTERFACE OVERVIEW

PORTS 1~6 ARE EMBOSSED NUMBERS ON THE ENCLOSURE



### INSTALLATION

#### CHOOSE LOCATION

Good **mobile signal quality** is critical for fast and stable mobile internet. Install the router in a location with strong signals – ideally, an elevated open space, and away from barriers and other RF antennas.

#### INSTALL ANTENNAS

Install the 5G-NR antennas marked **MOBILE** on ports 1-2-3 on top.

The Wi-Fi antennas labeled **WIFI4-5** go on ports 4 & 6 on the bottom.



Align the antennas straightly to prevent breaking the center pins.



Turn the milled part on the antenna head clockwise to tighten them.



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### CONNECT PoE & INSERT SIM CARD



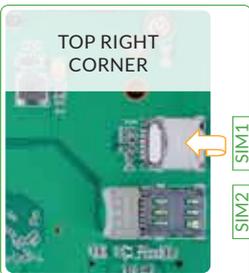
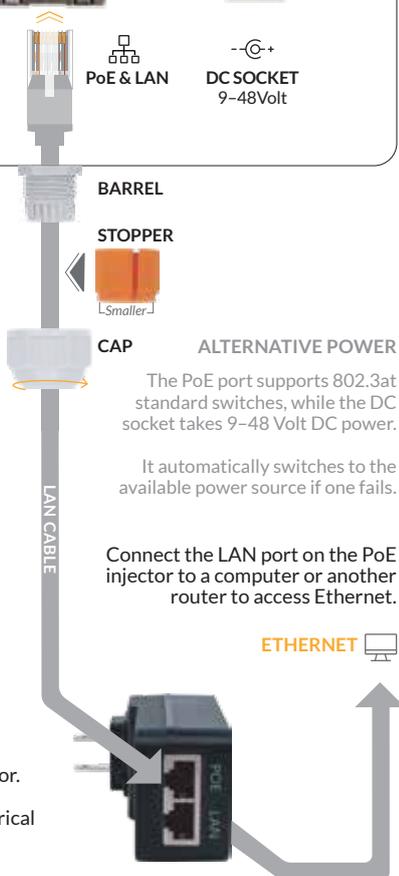
RESET INDICATORS SYSTEM POWER MOBILE WI-FI PoE & LAN DC SOCKET 9-48Volt

#### CABLE GLAND

- Loosen the top lid bolts and open the enclosure.
- Unscrew the cap to release it from the cable gland.
- Take out the stopper with pliers or push it inside.

#### PoE CONNECTION

- Feed one end of the LAN cable through the Cap.
- Thread the cable through the Barrel into the PoE & LAN port.
- Clamp the Stopper on the LAN cable and insert it into the Barrel.
- Tighten the Cap clockwise on the Barrel.
- Connect another end of the LAN cable to the PoE port on the injector.
- Plug the PoE injector into an electrical outlet to turn on the power.



#### INSERT SIM CARD

Turn off the power before inserting or removing the SIM card.

SIM card slots are in the top right corner. Gently slide the lid to the left to open the slot.

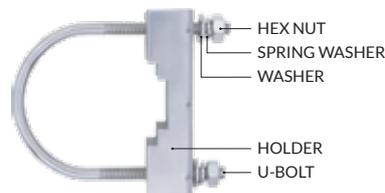
Insert a Nano SIM card into the SIM1 slot. Gold pins facing down and notch on the top right.

Cover the slot and slide lid to the right to secure it.

#### MOUNT ON A POLE

Locate a spot with robust mobile signals to guarantee excellent connectivity. Prepare a  $\varnothing 35-50$ mm pole and a pair of pliers or an M10 spanner.

- Use the M6 screws on the router's back to attach the L-bracket to the router. When installed vertically, the router should align parallel to the pole, with the L-bracket square to both.



Take apart washers, spring washers, and hex nuts from the U-bolts.

- Clasp the pole with the U-bolts and holders.
- Attach the L-shape bracket on the U-bolts.
- Put washers, spring washers, and hex nuts on U-bolts.
- Use pliers or an M10 spanner to turn the hex nuts and tighten them.



#### CONNECT & LOGIN

Connect the PoE injector to an electrical outlet and wait 2-4 minutes for the router to boot. Use a phone or computer to connect via LAN or Wi-Fi.

- Use a LAN cable to connect to the LAN port on the PoE injector.
- Or search and join either Wi-Fi hotspots below. The default encryption type is Open - no password is required.

**Outdoor-WiFi-xxxx-V4** --- (2.4 GHz)

**Outdoor-WiFi-xxxx-V5** --- (5.8 GHz)

Open a web browser, enter the router IP <http://192.168.30.1> in 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

No password is required initially. Use <http://> instead of <https://>.

Clean cache or change a browser if unable to open the login page.

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### FIRMWARE SYSTEM

The screenshot shows the 'OutdoorRouter' web interface with tabs for STATUS, SYSTEM, SERVICES, and NETWORK. The 'SYSTEM' tab is active, displaying two sections: 'System' and 'Device'.

System	
Hostname	OutdoorRouter
Model	EZR35-5G
Serial Number	ESxxxxxxx
Architecture	Arm v7 Processor rev4
Firmware Version	EV4054
Kernel Version	4.4.60
Local Time	Tue Mar 18 09:00:00
Uptime	12h 10m 30s
Load Average	1.87, 1.61, 1.5

Device	
Mobile Modem	RM520N
SIM Card	Primary SIM1
SIM Status	Connected
Failed Reason	--
Phone Number	xxx xxx
IMEI Number	xxx xxx
Mobile Operator	Operator Name
Mobile Connection	Connected
Roaming	Allowed
Global Cell ID	xxx xxx
Operator ID	xxx
Access Tech	LTE, 5G NR
RSRQ	-15
RSRP	-80.00
SNR	3.00

Below the Device table, there are three progress bars for memory usage: Total Available (208308 kB / 401412 kB (51%)), Free (196464 kB / 401412 kB (48%)), and Buffered (11844 kB / 401412 kB (2%)).

### TOP MENU

Use the top menu to access related tools of **Status**, **System**, **Services**, and **Network**.

### FRONT PAGE

The front page provides an overview and real-time monitoring of the router system, mobile modem, IP leases, and hotspots.

### ROUTER PASSWORD

Go to **System > Administration**, enter your password twice in the **Password** and **Confirmation** fields, then click **Save** to apply the change.

Keep your router password safe. If you forget it, **Reset** the router to get back in.

### WI-FI HOTSPOTS

Go to **Network > Wireless** to monitor and configure the hotspot settings.

[wifi0] Generic Atheros 802.11bgn ---- SSID: **Outdoor-WiFi-xxx-V4** [2.4 GHz]  
[wifi1] Generic Atheros 802.11aac ---- SSID: **Outdoor-WiFi-xxx-V5** [5.8 GHz]

Turn both of them ON/OFF by clicking **Enable/Disable** buttons.

The screenshot shows the 'Wi-Fi Hotspots' configuration page. It lists two hotspots: 'wifi0' and 'wifi1'. Each has a 'Restart' and 'Scan' button. Below the list, there are 'Disable' and 'Edit' buttons for each. An arrow points from the 'Edit' button to the 'Interface Configuration' section.

**Interface Configuration**

General Setup

Mode: Access Point

ESSID: Outdoor-WiFi-2557-V5

Wireless Security

Encryption: WPA / WPA2 / Mixed

Cipher: Auto

Key: Your-Wi-Fi-Password

### WI-FI SSID & PASSWORD

Click the **Edit** button on each Wi-Fi SSID to enter their configuration pages. Scroll down and find the **Interface Configuration** section.

Under the **General Setup** tab, change the hotspot name in the **ESSID** field.

Click the **Wireless Security** tab, select **Encryption** type, and input the Wi-Fi password in the **Key** field. Click the **Save & Apply** button to take effect.

### MOBILE MODEM

To access mobile data internet seamlessly, ensure a strong signal, a functioning SIM card with sufficient data allowance, and install qualified 5G antennas.

The default modem settings are compatible with most operators. It typically takes 1 to 2 minutes to establish a connection after restarting and booting.

The front page shows the SIM card and mobile modem status, including mobile connection, operator ID, access technology, and signal strength.

### MOBILE DEVICE STATUS

- Click to refresh modem status.
- Model number of the 5G modem
  - Active SIM card slot (default is SIM1)
  - Connection status of the SIM card
  - Error alert for failed dialing attempts
  - Unique serial number of the modem
  - Mobile service provider
  - Status of mobile internet connection
  - Cell tower the modem is connected to
  - MCC and MNC of the carrier
  - Yellow indicates fair signal strength
  - Green indicates good signal strength
  - Red signifies weak signal strength

### MOBILE INTERFACE

Go to **Network > Interface : Mobile** to view and configure modem settings.

The screenshot shows the 'MOBILE' status page. It displays a 'wwan0' interface with a signal strength indicator. To the right, there are statistics: Protocol: Mobile Data, Uptime: 1d 21h 21m 4s, RX: 6.76 MB (80472 Pkts.), TX: 6.78 MB (80687 Pkts.), SIM: Primary SIM1, IPv4: 10.22.146.123/29. There are 'Restart', 'Stop', and 'Edit' buttons.

Click the **Edit** button to adjust the mobile protocol and active SIM card. Tap the **SIM1** and **SIM2** tabs to input APNs.

Primary SIM1 Secondary SIM2

- APN** - Enter carrier's APN gateway address.  
**PIN** - Leave it empty if you are using the default SIM PIN.  
**Authentication** - Use PAP or PAP/CHAP both.  
**IP Type** - Select IPv4 only, or IPv4/6 both.

### RECOVERY

**Reboot** To solve glitches after a long period of working, reboot the router under **System > Reboot** or replug the power supply.

**Reset** Perform a soft reset to restore factory settings. Go to **System > Backup / Flash Firmware** and click the **Perform Reset** button.

To perform a hard reset, power up the router, press the **Reset** button and hold for 5 seconds until the **System** indicator flashes.

**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: [outdoor.router.works/ezr35-5g](https://outdoor.router.works/ezr35-5g)

Feel free to contact us if you need any further assistance!