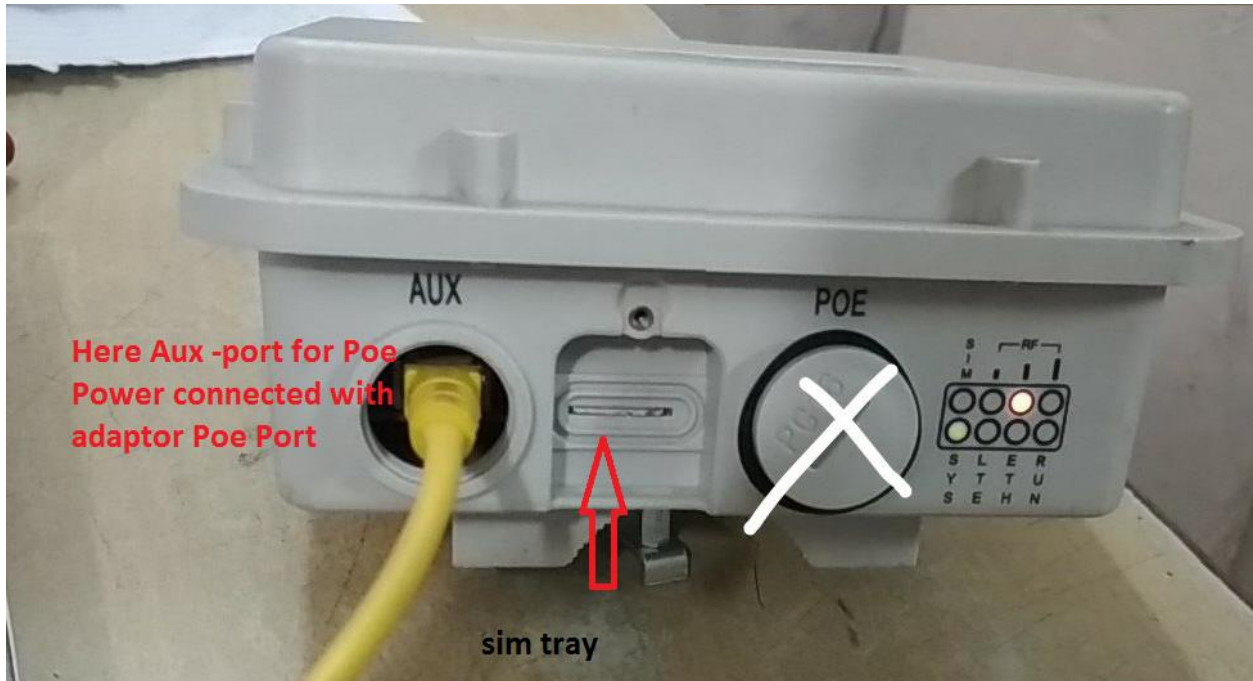


# TR-1902-LTE connectivity with Poe adaptor





## Login Page

Default login IP is 192.168.1.1 Username: admin Password: admin

Cell\_Router - Login Page x

← → ↻ Not secure | 192.168.1.1/cgi-bin/luci

**Techroutes**  
NETWORK

**TR-1902-LTE ROUTER**

**Authorization Required**  
Please enter your username and password.

Username

Password

Cell\_Router - Operation | x

← → ↻ Not secure | 192.168.1.1/cgi-bin/luci/stok=d0ad60458f9379460941af51747cd2e8/admin/network/opermode

**Technroutes** NETWORK **TR-1902-LTE ROUTER**

Status

System

Services

Network

Operation Mode

Mobile

LAN

Wired WAN

WAN IPv6

Interfaces

Wi-Fi

Firewall

Switch

DHCP and DNS

Diagnostics

Dynamic Routing

Loopback Interface

### Operation mode configuration

You may configure the operation mode suitable for you environment.

Operation mode

- Bridge mode  
All ethernet and wireless interfaces are bridged into a single bridge interface.
- Gateway mode  
The first ethernet port is treated as WAN port. The other ethernet ports and the wireless interface are bridged together and are treated as LAN ports.
- AP client mode  
The wireless ap client interface is treated as WAN port

Wired-WAN port role

- Wired-WAN port acts as WAN
- Wired-WAN port acts as LAN

NAT enable

Save & Apply Save Reset

Cell\_Router - General | x | www - Google Search | x

← → ↻ Not secure | 192.168.1.1/cgi-bin/luci/stok=087811b5edfe0daeb118c91bc8aa213d/admin/network/mobile

Network

Operation Mode

Mobile

LAN

Wired WAN

WAN IPv6

Interfaces

Wi-Fi

Firewall

Switch

DHCP and DNS

Diagnostics

Dynamic Routing

Loopback Interface

Hostnames

Guest LAN(Guest WiFi)

Static Routes

CoS

Logout

SIM 1

Enable

Mobile connection DHCP mode

PIN code

Dialing number \*99#

APN Jionet

Authentication method None

Dual APN support

Lock to network All

Network Type automatic

MTU 1500

Online mode Keep Alive

Metric 0

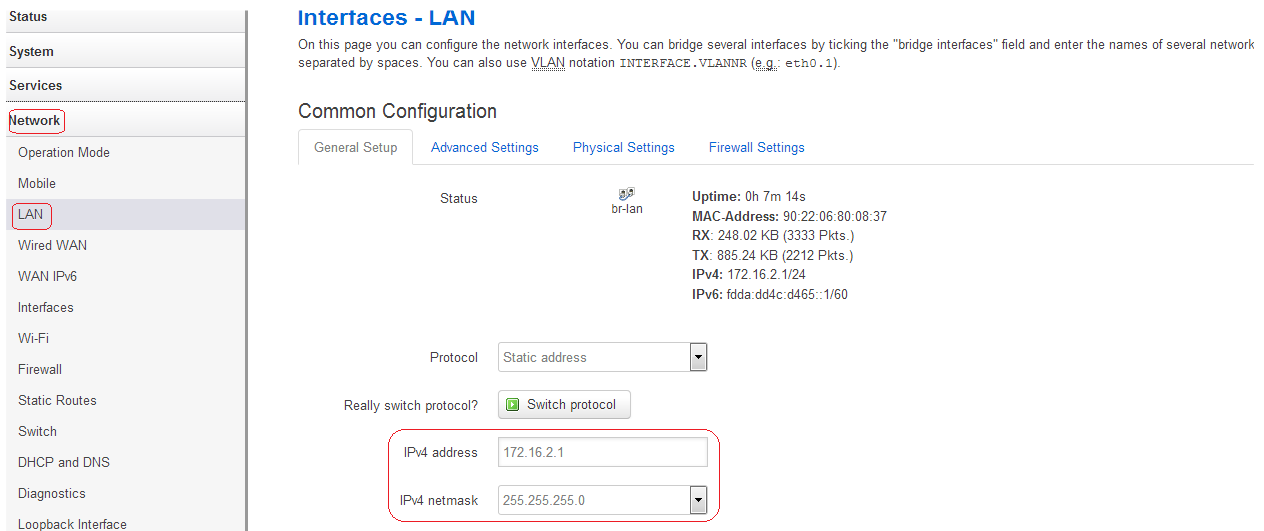
IPv4 netmask 255.255.255.0

Save & Apply Save Reset

# LAN Configuration

## Network → LAN

Here Configure LAN IP & netmask and Save & Apply.



The screenshot shows the Mikrotik WinBox interface for LAN configuration. On the left is a sidebar menu with 'Network' and 'LAN' highlighted. The main area is titled 'Interfaces - LAN' and contains a 'Common Configuration' section with tabs for 'General Setup', 'Advanced Settings', 'Physical Settings', and 'Firewall Settings'. The 'General Setup' tab is active, showing the configuration for the 'br-lan' interface. The 'Protocol' is set to 'Static address'. Below this, there is a 'Really switch protocol?' dialog with a 'Switch protocol' button. At the bottom, the 'IPv4 address' is set to '172.16.2.1' and the 'IPv4 netmask' is set to '255.255.255.0'. The status bar shows 'Uptime: 0h 7m 14s', 'MAC-Address: 90:22:06:80:08:37', 'RX: 248.02 KB (3333 Pkts.)', 'TX: 885.24 KB (2212 Pkts.)', 'IPv4: 172.16.2.1/24', and 'IPv6: fdda:dd4c:d465::1/60'.

## Firewall

Network → Firewall → Security.

- 1) Select Allow option from side box SSH access from WAN.
- 2) Select Allow option from side box Ping from wan to LAN.
- 3) Tick the box of Enable telnet

The screenshot shows a router's configuration interface. On the left, a sidebar menu includes 'Status', 'System', 'Services', 'Network', and 'Firewall'. The 'Security' tab is selected in the top navigation bar. The main content area is titled 'System Security Configuration' and contains the following settings:

- SSH access from WAN:** Allow
- Ping from WAN to LAN:** Allow
- Enable telnet:**
- HTTPS Access:**
  - HTTPS port:** 443
  - HTTPS access from WAN:** Allow
  - Remote network:** Any IP address

## Firewall

Network → Firewall → Traffic Rules.

1) Allow All LAN Ports Enable Check Box and Save & Apply.

2) Open ports on router for Telnet (Name: Telnet, Protocol: TCP+UDP, External Port: 23) first need to click on add button then Save & Apply.

3) Open ports on router for BGP (Name: BGP, Protocol: TCP+UDP, External Port: 179) first need to click on add button then Save & Apply.

General Settings Port Forwards **Traffic Rules** Source NAT DMZ Security

## Firewall - Traffic Rules

Traffic rules define policies for packets traveling between different zones, for example to reject traffic between certain hosts or to open WAN ports on the router.

### Traffic Rules

Name	Match	Action	Enable	Sort		
Allow- All-LAN- Ports	Any traffic From <i>any host in wan</i> To <i>any host, ports 1-65535 in lan</i>	Accept forward	<input checked="" type="checkbox"/>	+	-	<a href="#">Edit</a> <a href="#">Delete</a>
Allow- DHCP- Renew	IPv4-UDP From <i>any host in wan</i> To <i>any router IP at port 68 on this device</i>	Accept input	<input checked="" type="checkbox"/>	+	-	<a href="#">Edit</a> <a href="#">Delete</a>
Allow- SNMP- Remote- Access	Any UDP From <i>any host in wan</i> To <i>any router IP at port 161 on this device</i>	Accept input	<input checked="" type="checkbox"/>	+	-	<a href="#">Edit</a> <a href="#">Delete</a>

**Open ports on router:**

Name	Protocol	External port	
Telnet	TCP+UDP	23	<a href="#">Add</a>

**New forward rule:**

Name	Source zone	Destination zone	
New forward rule	lan	wan	<a href="#">Add and edit...</a>

[Save & Apply](#) [Save](#) [Reset](#)

Allow- SNMP- Remote- Access	Any UDP From <i>any host in wan</i> To <i>any router IP at port 161 on this device</i>	Accept input	<input checked="" type="checkbox"/>	+	-	<a href="#">Edit</a> <a href="#">Delete</a>
Telnet	Any TCP, UDP From <i>any host in wan</i> To <i>any router IP at port 23 on this device</i>	Accept input	<input checked="" type="checkbox"/>	+	-	<a href="#">Edit</a> <a href="#">Delete</a>

**Open ports on router:**

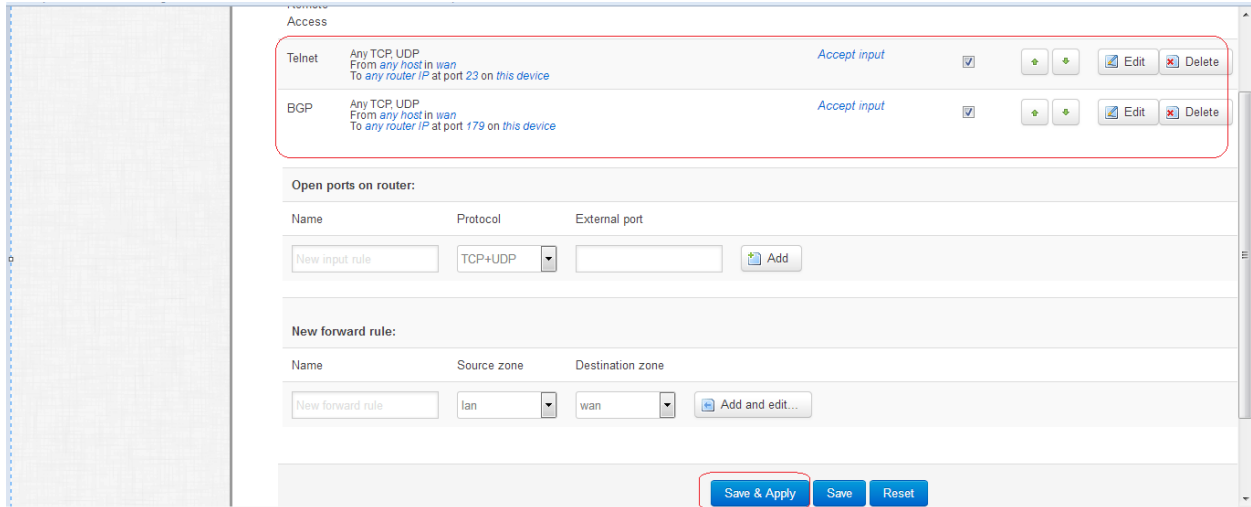
Name	Protocol	External port	
BGP	TCP+UDP	179	<a href="#">Add</a>

**New forward rule:**

Name	Source zone	Destination zone	
New forward rule	lan	wan	<a href="#">Add and edit...</a>

[Save & Apply](#) [Save](#) [Reset](#)

After click on add button you can see Telnet port and BGP port open in Traffic Rules.



## Dynamic Routing

Network → Dynamic Routing.

- 1) Tick the box of Enable Zebra.
- 2) Tick the box of Enable BGP.
- 3) Save and Apply.

The screenshot displays the 'Dynamic Routing' configuration page. On the left sidebar, the 'Network' menu is expanded, and 'Dynamic Routing' is selected. The main content area shows the following configurations:

- Zebra:** Enabled (checked), Password: zebra
- OSPF:** Not enabled, Password: [redacted]
- OSPF6:** Not enabled, Password: [redacted]
- RIP:** Not enabled, Password: [redacted]
- RIPng:** Not enabled, Password: [redacted]
- BGP:** Enabled (checked), Password: zebra

At the bottom right, the 'Save & Apply' button is highlighted, along with 'Save' and 'Reset' buttons.

# Telnet TR-1902 LTE Router via local LAN IP.

- 1) Local Username: router Password: admin!@#.
- 2) Again Tenet local LAN with BGP port no 2605 and type password zebra.
- 3) Here can do BGP Configuration via cmd.



