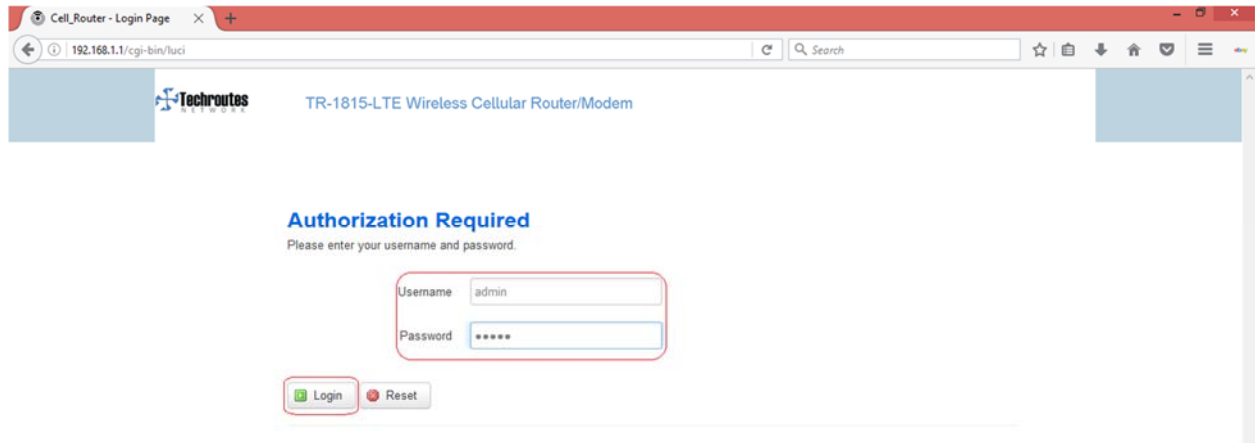


Login Page

Default login IP is 192.168.1.1

Username: admin

Password: admin



Cell Status

Status → Overview

The screenshot shows the 'Status' page of a Techroutes TR-1815-LTE router. The left sidebar contains a menu with 'Status' and 'Overview' highlighted. The main content area is titled 'Status' and contains two sections: 'System' and 'Mobile 1'. The 'System' section lists various system parameters, and the 'Mobile 1' section lists cellular status parameters. Red boxes highlight the 'Firmware Version' and 'Cellular Status' rows.

System	
Hostname	TR-1815-LTE
SN	660420156A0009EC
Firmware Version	3.2.100
Kernel Version	3.18.29
Local Time	Fri Apr 21 17:05:21 2017
Uptime	0h 15m 13s
Load Average	1.64, 0.62, 0.35

Mobile 1	
Cellular Status	Up
IP Address	10.229.38.2/255.255.255.252
DNS 1	97.253.25.102
DNS 2	97.253.25.103

This screenshot shows the 'Mobile 1' section of the TR-1815-LTE Overview page in more detail. The left sidebar now shows 'Logout' selected. The 'Mobile 1' section lists various cellular status parameters. Red boxes highlight the 'Cellular Status', 'IP Address', and 'Strength' rows.

Cellular Status	Up
IP Address	10.229.38.2/255.255.255.252
DNS 1	97.253.25.102
DNS 2	97.253.25.103
Cell Modem	TRICHEER_LM9248_NDIS (1C9E_9B05)
IMEI/ESN	862234024860928
Sim Status	SIM Ready
Strength	📶 31 / 31, dBm : -43
Selected Network	4G (LTE) only
Registered Network	Registered on Home network: "Reliance 4G RELIANCE 4G", 7,
Sub Network Type	LTE FDD
Location Area Code	FFFE
Cell ID	26630
Band	5,20539
RSRP	-71
SINR	194

WAN Configuration

Network → Mobile

- 1) Tick on Enable.
- 2) APN name as per your requirement.
- 3) Dialing Number *99#.
- 4) Authentication Method Select CHAP.
- 5) Username & Password as per your requirement.
- 6) Lock to Network LTE FDD. (Here You can select LTE FDD, LTE TDD & ALL)
- 7) Network Type select 4G (LTE) only.
- 8) Save & Apply.

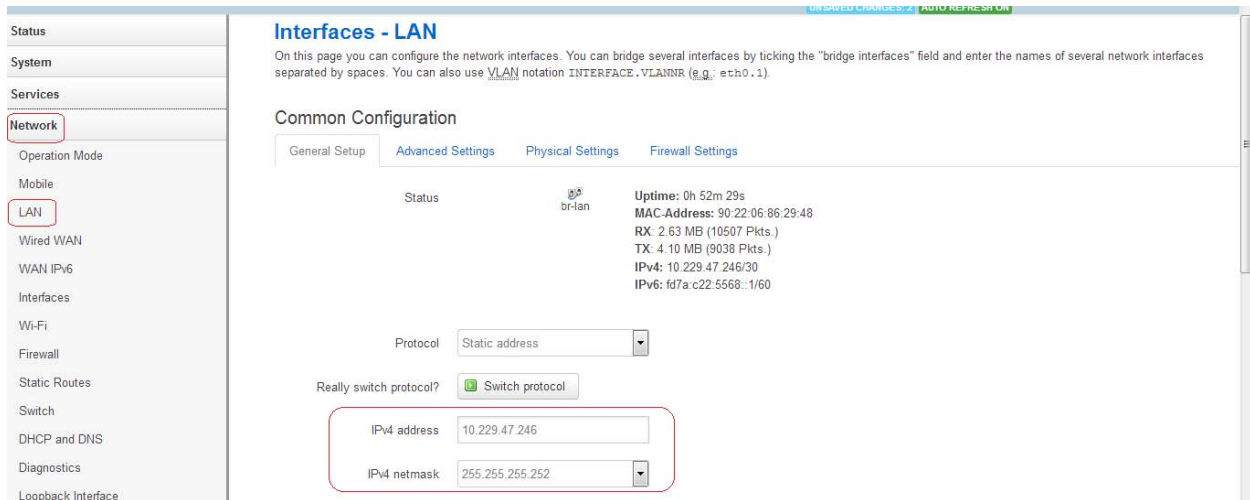
The screenshot displays the Network configuration interface for SIM 1. The left sidebar lists various network settings, with 'Mobile' selected. The main configuration area for SIM 1 includes the following fields:

- Enable:
- Mobile connection: DHCP mode (dropdown)
- PIN code: (text input)
- Dialing number: *99# (text input)
- APN: rcomsyn (text input)
- Authentication method: CHAP (dropdown)
- Username: 8080352714@rcomsyn.com (text input)
- Password: (password input with eye icon)
- Lock to network: LTE FDD (dropdown)
- Network Type: 4G (LTE) only (dropdown)
- MTU: 1500 (text input)
- Online mode: Keep Alive (dropdown)

LAN Configuration

Network → LAN

Here Configure LAN IP & Subnet and Save & Apply.



The screenshot shows the Mikrotik WinBox interface for configuring LAN settings. On the left is a sidebar menu with categories: Status, System, Services, Network (highlighted), Operation Mode, Mobile, LAN (highlighted), Wired WAN, WAN IPv6, Interfaces, Wi-Fi, Firewall, Static Routes, Switch, DHCP and DNS, Diagnostics, and Loopback Interface. The main content area is titled "Interfaces - LAN" and includes a help text: "On this page you can configure the network interfaces. You can bridge several interfaces by ticking the 'bridge interfaces' field and enter the names of several network interfaces separated by spaces. You can also use VLAN notation INTERFACE.VLANID (e.g.: eth0.1)." Below this is 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 status is "up", with an uptime of 0h 52m 29s. Statistics include MAC Address: 90:22:06:86:29:48, RX: 2.63 MB (10507 Pkts.), TX: 4.10 MB (9038 Pkts.), IPv4: 10.229.47.246/30, and IPv6: fd7a:c22:5568::1/60. The "Protocol" is set to "Static address". A "Really switch protocol?" dialog box with a "Switch protocol" button is visible. The "IPv4 address" is set to "10.229.47.246" and the "IPv4 netmask" is set to "255.255.255.252".

Nat Disable

Network → Operation mode configuration

Remove tick from NAT enable and Save & Apply.

The screenshot shows the configuration interface for a Techroutes TR-1815-LTE Wireless Cellular Router/Modem. The left sidebar contains a navigation menu with the following items: Status, System, Services, Network (highlighted), Operation Mode (highlighted), Mobile, LAN, Wired WAN, WAN IPv6, Interfaces, Wi-Fi, Firewall, Static Routes, and Switch. The main content area is titled 'Operation mode configuration' and includes the following settings:

- 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:**

At the bottom of the configuration area, there are three buttons: 'Save & Apply' (highlighted with a red box), 'Save', and 'Reset'.

Loopback Interface Configuration

Network → Loopback Interface.

As per your requirement configure loopback IP & Net mask & Save & Apply.

The screenshot shows the configuration interface for a Techroutes TR-1815-LTE Wireless Cellular Router/Modem. The left sidebar contains a navigation menu with the following items: Status, System, Services, Network (highlighted), Operation Mode, Mobile, LAN, Wired WAN, WAN IPv6, Interfaces, Wi-Fi, Firewall, Static Routes, Switch, DHCP and DNS, Diagnostics, and Loopback Interface (highlighted). The main content area is titled "Loopback Interface Configuration" and features two input fields: "IP address" with the value "172.21.72.1" and "Netmask" with the value "255.255.255.255". Below these fields are three buttons: "Save & Apply" (highlighted), "Save", and "Reset".

Static Rules

Network → Static Routes.

Add route as per your requirement.

The screenshot shows the configuration interface for a Techroutes TR-1815-LTE Wireless Cellular Router/Modem. The left sidebar contains a navigation menu with the following items: Status, System, Services, Network (highlighted), Operation Mode, Mobile, LAN, Wired WAN, WAN IPv6, Interfaces, Wi-Fi, Firewall, Static Routes (highlighted), Switch, and DHCP and DNS. The main content area is titled "Routes" and includes a sub-section for "Static IPv4 Routes". Below this, there is a table with columns for Interface, Target, IPv4 Netmask, IPv4 Gateway, Metric, and MTU. Three routes are listed in the table, each with a red border around its input fields. An "Add" button is located below the table. Below the IPv4 routes, there is a section for "Static IPv6 Routes" with a table structure similar to the IPv4 one, but it is currently empty.

Static IPv4 Routes

Interface	Target	IPv4 Netmask	IPv4 Gateway	Metric	MTU
lan	0.0.0.0	0.0.0.0	10.239.28.125	0	1500
lan	10.239.28.123	255.255.255.255	10.101.141.17	0	1500
lan	10.239.0.152	255.255.255.252	10.101.141.17	0	1500

Static IPv6 Routes

Interface	Target	IPv6 Gateway	Metric	MTU
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Firewall

Network → Firewall → Traffic Rules.

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

The screenshot shows the configuration interface for a Techroutes TR-1815-LTE Wireless Cellular Router/Modem. The left sidebar contains navigation options: Status, System, Services, Network (highlighted), Operation Mode, Mobile, LAN, Wired WAN, WAN IPv6, Interfaces, Wi-Fi, Firewall (highlighted), and Static Routes. The main content area is titled 'Firewall - Traffic Rules' and includes a sub-header 'Traffic Rules' with a description: '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.' Below this is a table of traffic rules:

Name	Match	Action	Enable	Sort	
Allow-All-LAN-Ports	Any traffic From any host in wan To any host, ports 1-65535 in lan	Accept forward	<input checked="" type="checkbox"/>	↓ ↑	Edit Delete
Allow-DHCP-Renew	IPv4-UDP From any host in wan To any router IP at port 68 on this device	Accept input	<input checked="" type="checkbox"/>	↓ ↑	Edit Delete
Allow-Ping-WAN	IPv4-ICMP with type echo-request From any host in wan To any router IP on this device	Accept input	<input checked="" type="checkbox"/>	↓ ↑	Edit Delete
Allow-IGMP	IPv4-IGMP From any host in wan	Accept input	<input checked="" type="checkbox"/>	↓ ↑	Edit Delete

SNMP Configuration

Services → SNMP.

- 1) Tick on Enable SNMP.
- 2) Location as per your requirement.
- 3) Name as per your requirement.
- 4) Port 161 this is by default.
- 5) SNMP v1 and v2c Settings configuration SNMP Name & Set Host/Lan as per your requirement.
- 6) Save & Apply.

The screenshot displays the configuration interface for SNMP. On the left is a navigation menu with categories: System, Services, Network, and Logout. Under 'System', 'Services' is selected and highlighted, with 'SNMP' also highlighted. Under 'Network', 'Connect Radio Module' is visible. The main content area is divided into two panels:

General Settings

- Enable SNMP:
- Remote Access:
- Contact:
- Location:
- Name:
- Port:

SNMP v1 and v2c Settings

- Get Community:
- Get Host/Lan:
- Set Community:
- Set Host/Lan: