

## TR-1905-LTE Router Installation Equipment's List

- 1) Rj45 Connector
- 2) Rj45 Rj11 Crimping Tool
- 3) Multitec Cutter for cutting CAT 5 Cable.
- 4) KD-1 Professional Punch down Tool
- 5) LAN Cable Tester with 9V battery
- 6) 1.5 meter Still Pole (Diameter 50mm approx.) & Clamp Bracket with Screw
- 7) Minimum 50 meter LAN Cable. (As per requirement)
- 8) Screwdriver Kit
- 9) Tie Cable 250mm
- 10) Laptop
- 11) Jio SIM
- 12) G-NetTrack Lite – Apps on Google Play
- 13) Drilling machine
- 14) Hammer
- 15) 1.5 inch Screw for router wall mount
- 16) Drill Machine

Rj45 Connector s, Crimping Tool, Multitec Cutter, Punch Down Tool, LAN Cable Tester.



Screwdriver Kit & Tie Cable.



Drill Machine.



Straight Cable & Cross Cable.

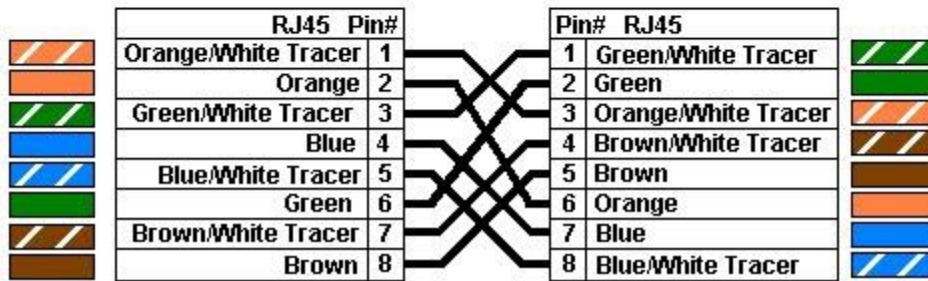
Color Standard  
EIA/TIA T568B

Ethernet Patch Cable



Color Standard  
EIA/TIA T568B

Ethernet Crossover Cable



Pole Mount Router Installation picture:



Wall Mount Router Installation picture:

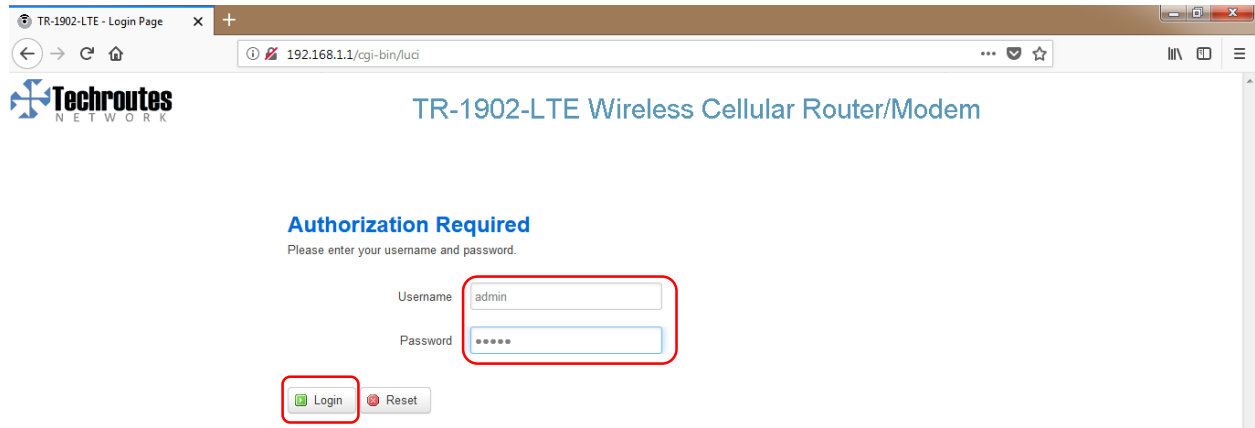


# Login Page

Default login IP is 192.168.1.1


Username: admin

Password: admin



# Cell Status

Status → Overview



## TR-1902-LTE Wireless Cellular Router/Modem

AUTO REFRESH ON

**Status**

Overview

Network

Firewall

Routes

System Log

Kernel Log

Reboot Log

Realtime Graphs

VPN

System

### Status


#### System

Hostname	TR-1902-LTE
SN	0086250003A9C04
Firmware Version	3.2.165
Kernel Version	3.18.29
Local Time	Fri Jun 29 10:21:33 2018
Uptime	0h 6m 19s
Load Average	0.48, 0.85, 0.47

Network

Logout

#### Mobile 1

Cellular Status	Up
IP Address	10.16.64.2/255.255.255.252
DNS 1	
DNS 2	
Cell Modem	SLM730_SLM750 (05C9_F001 )
IMEI/ESN	888621029221474
Sim Status	SIM Ready
Strength	 31 / 31, dBm: -51
Selected Network	4G (LTE) only
Registered Network	Registered on Home network: "RELIANCE 4G", 7.
Sub Network Type	TDD LTE
Location Area Code	35
Cell ID	5008410
Band	40,38800
ICCID	8991150194051546803F
RSRP	-51 dBm
RSRQ	-6 dB
RSSI	-35 dBm
SINR	30.0 dB
MSISDN/IMSI	CFUN=1 OK / 405151001954680

# 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 community & Set Host / LAN as per your requirement.
- 6) Save & Apply.

**SNMP Configuration**

**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

Trap receiver IP



# Nat Disable

Network → Operation mode configuration

Remove tick from NAT enable and Save & Apply.

The screenshot shows the configuration interface for a TR-1902-LTE Wireless Cellular Router/Modem. The left sidebar contains a menu with items: Status, System, Services, Network, Operation Mode, Mobile, LAN, Wired WAN, WAN IPv6, Interfaces, Wi-Fi, Firewall, and Switch. The 'Network' and 'Operation Mode' items are highlighted with red boxes. The main content area is titled 'Operation mode configuration' and includes a sub-header 'UNSAVED CHANGES: 1'. Below this, there is a description: 'You may configure the operation mode suitable for you environment.' The configuration options are as follows:

- 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

At the bottom of the configuration area, there is a checkbox labeled 'NAT enable' which is currently unchecked and highlighted with a red box. Below the configuration area, there are three buttons: 'Save & Apply' (highlighted with a red box), 'Save', and 'Reset'.

# Mobile 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) Network Type select 4G (LTE) only.
- 7) Save & Apply.

**Mobile Configuration**

SIM 1

Enable

Mobile connection: DHCP mode

PIN code:

Dialing number: \*99#

APN: rcomboi

Authentication method: CHAP

Username: 9322682986@rcomcentrex.com

Password:

Dual APN support:

Network Type: 4G (LTE) only

MTU: 1500

Online mode: Keep Alive

Metric: 0

IPv4 netmask:

# LAN Configuration

Network → LAN

Here Configure LAN IP & Subnet and Save & Apply.

The screenshot shows the Techroutes web interface for a TR-1902-LTE Wireless Cellular Router/Modem. The left sidebar has 'Network' and 'LAN' highlighted. The main content area is titled 'Interfaces - LAN' and includes a 'Common Configuration' section with tabs for 'General Setup', 'Advanced Settings', 'Physical Settings', and 'Firewall Settings'. The 'Advanced Settings' tab is active, showing the 'Static address' protocol selected. The 'IPv4 address' is set to 192.168.1.1 and the 'IPv4 netmask' is set to 255.255.255.0. A 'Switch protocol' button is visible, and a status section shows router details like MAC address and uptime.

# Loopback Interface Configuration

Network → Loopback Interface.

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

The screenshot shows the Techroutes web interface for a TR-1902-LTE Wireless Cellular Router/Modem. The left sidebar has 'Network' and 'Loopback Interface' highlighted. The main content area is titled 'Loopback Interface Configuration' and features two input fields: 'IP address' with the value 172.21.129.191 and 'Netmask' with the value 255.255.255.255. Below these fields are three buttons: 'Save & Apply', 'Save', and 'Reset'.

# Static Rules

Network → Static Routes.

Add route as per your requirement.

The screenshot shows the configuration page for the TR-1902-LTE Wireless Cellular Router/Modem. The left sidebar contains a menu with 'Network' and 'Static Routes' highlighted. The main content area is titled 'Routes' and includes a description: 'Routes specify over which interface and gateway a certain host or network can be reached.' Under 'Static IPv4 Routes', there is a table with the following data:

Interface	Target	IPv4-Netmask	IPv4-Gateway	Metric	MTU	
lan	192.168.20.0	255.255.255.0	192.168.1.2	0	1500	Delete

Below the table is an 'Add' button. Under 'Static IPv6 Routes', there is a message: 'This section contains no values yet' and an 'Add' button. At the bottom of the configuration area are 'Save & Apply', 'Save', and 'Reset' buttons.

# Firewall

Network → Firewall → Security.

Tick on Enable telnet and Save & Apply.

The screenshot shows the configuration page for the TR-1902-LTE Wireless Cellular Router/Modem, specifically the 'System Security Configuration' section. The left sidebar has 'Firewall' highlighted. The main content area includes 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

At the top of the configuration area are tabs for 'General Settings', 'Port Forwards', 'Traffic Rules', 'Source NAT', 'DMZ', and 'Security'. At the bottom are 'Save & Apply', 'Save', and 'Reset' buttons.

