

## How to Set Up Bridge Mode Using a Teltonika RUT950 Router

This guide assumes that you have inserted a working **Data SIM** card, logged into the router's web interface and have successfully connected the router to the network provider.

Step 1: On the main **Status Overview** page, you need to choose the **Network** tab and select **WAN** from the drop-down menu.

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Status ▾ Network ▾ Services ▾ System ▾
Logout 

FW ver.: RUT9XX\_R\_00.06.04

### Overview

**System**   6.0% CPU load

Router uptime	0d 0h 3m 19s (since 2019-08-07, 08:36:14)
Local device time	2019-08-07, 08:39:33
Memory usage	RAM: 45% used <span style="display: inline-block; width: 100px; height: 5px; background: linear-gradient(to right, blue, grey);"></span> FLASH: 9% used <span style="display: inline-block; width: 100px; height: 5px; background: linear-gradient(to right, blue, grey);"></span>
Firmware version	RUT9XX_R_00.06.04

**Mobile**   -85 dBm 

Data connection	0d 0h 2m 19s (since 2019-08-07, 08:37:14)
State	Registered (home); 3 UK; 4G (LTE)
SIM card slot in use	SIM 1 (Ready)
Bytes received/sent *	8.4 KB / 6.5 KB

**Wireless**   ON 

SSID	🔒 RUT950_406B (AP)
Mode	1- AP; 4 CH (2.427 GHz)

**WAN**   Mobile 

IP address	10.167.139.235 <span style="float: right;"> Private IP address</span>
WAN failover status	Failover link is enabled

**Recent System Events**  

1	2019-08-07 08:39:00 - Web UI: Authentication was successful fr ...
2	2019-08-07 08:38:33 - Output: Digital 4PIN output off
3	2019-08-07 08:38:33 - Output: Digital OC output off
4	2019-08-07 08:38:32 - Output: Digital relay output off

**Recent Network Events**  

1	2019-08-07 08:37:43 - Mobile data connected, IP: 10.167.139.23 ...
2	2019-08-07 08:37:58 - Mobile data disconnected
3	2019-08-07 08:33:34 - Mobile data connected, IP: 100.106.132.8 ...
4	2019-04-05 10:23:41 - Joined 4G LTE

**Remote Management System**   ON 

Status	Enabled
Connection State	Error: Device is not registered in RMS. Please

**Local Network**  

IP / netmask	192.168.1.1 / 255.255.255.0
DHCP Leases	0

Step 2: On this page, you will need to change the **Operating Mode** from **WAN Failover** to **Load Balancing** by choosing this option from the drop-down box.

Then click the **Save** button.

Please note that it does take a few minutes to apply this setting.

 Status ▾ Network ▾ Services ▾ System ▾ Logout 

FW ver.: RUT9XX\_R\_00.06.04

/etc/config/load\_balancing 

## WAN

Your WAN configuration determines how the router will be connecting to the internet.

### Operation Mode

Main WAN		Interface Name	Protocol	IP Address	Sort	
 <input checked="" type="radio"/>	<input type="checkbox"/>	Wired (WAN)	DHCP	-		<input type="button" value="Edit"/>
 <input type="radio"/>	<input checked="" type="checkbox"/>	Mobile (WAN2)	None	10.167.139.235	<input type="button" value="↑"/> <input type="button" value="↓"/>	<input type="button" value="Edit"/>
 <input type="radio"/>	<input type="checkbox"/>	WiFi (WAN3)	DHCP	-	<input type="button" value="↑"/> <input type="button" value="↓"/>	<input type="button" value="Edit"/>

Step 3: On this page you will need change the **Mode** to **Bridge** and type in the **WAN MAC Address** of the router you are going to be bridging into the **Bind to MAC** field.

Once done click the **Save** button.

Again, this will take a few minutes to apply the settings.

 Status ▾ Network ▾ Services ▾ System ▾ Logout ↗

FW ver.: RUT9XX\_R\_00.06.04

General SIM Management Network Operators Mobile Data Limit SMS Limit SIM Idle Protection

Using Bridge Mode will disable most of the router capabilities and you can access your router's settings only through its static IP address.

### Mobile Configuration

Mobile Configuration

SIM 1 SIM 2

Connection type

Mode

Bind to MAC

APN

PIN number

Dialing number

MTU

Authentication method

Service mode

Deny data roaming

Use IPv4 only

#### Mobile Data On Demand

Enable

No data timeout (sec)

Step 4: You will now notice that on the **Status Overview** page, in the **WAN** section it will be now listing – **(bridge mode)** as the **IP address** and **WAN failover status** will state that **Failover link is disabled**.

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[Network](#)
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[System](#)
[Logout](#)

FW ver.: RUT9XX\_R\_00.06.04

### Overview

**System** 9.3% CPU load

Router uptime	0d 1h 1m 33s (since 2019-08-07, 08:36:15)
Local device time	2019-08-07, 09:37:48
Memory usage	RAM: 45% used      FLASH: 12% used
Firmware version	RUT9XX_R_00.06.04

**Wireless** ON

SSID	RUT950_406B (AP)
Mode	1- AP; 4 CH (2.427 GHz)

**Recent System Events**

- 1 2019-08-07 09:33:28 - Port: LAN3 cable is plugged in
- 2 2019-08-07 09:33:22 - Port: LAN3 cable is unplugged
- 3 2019-08-07 09:32:39 - CONFIG: Mobile configuration has been ch ...
- 4 2019-08-07 08:41:52 - CONFIG: Login Page configuration has bee ...

**Remote Management System**

Status	Enabled
Connection State	Error: Device is not registered in RMS. Please login to <a href="#">ms.teltonika.lt</a> and add this device to your

**Mobile** -81 dBm

Data connection	Connected
State	Registered (home); 3 UK; 4G (LTE)
SIM card slot in use	SIM 1 (Ready)
Bytes received/sent *	58.1 KB / 39.6 KB

**WAN** Mobile

IP address	-(bridge mode)
WAN failover status	Failover link is disabled

**Recent Network Events**

- 1 2019-08-07 09:33:05 - Mobile data connected, IP: 10.167.139.23 ...
- 2 2019-08-07 09:32:41 - Mobile data disconnected
- 3 2019-08-07 08:37:43 - Mobile data connected, IP: 10.167.139.23 ...
- 4 2019-08-07 08:37:58 - Mobile data disconnected

**Local Network**

IP / netmask	N/A / undefined
DHCP Leases	0

Step 5: Now that **RUT950** has been configured, that all you need to do is plug once end of an **Ethernet** cable into the **LAN** port on the **RUT950** and other into the **WAN** port of the nominated router.