

How To Use A Teltonika RUTX11 To Bridge A Connection on 2.4Ghz and Re-Broadcast On 5Ghz

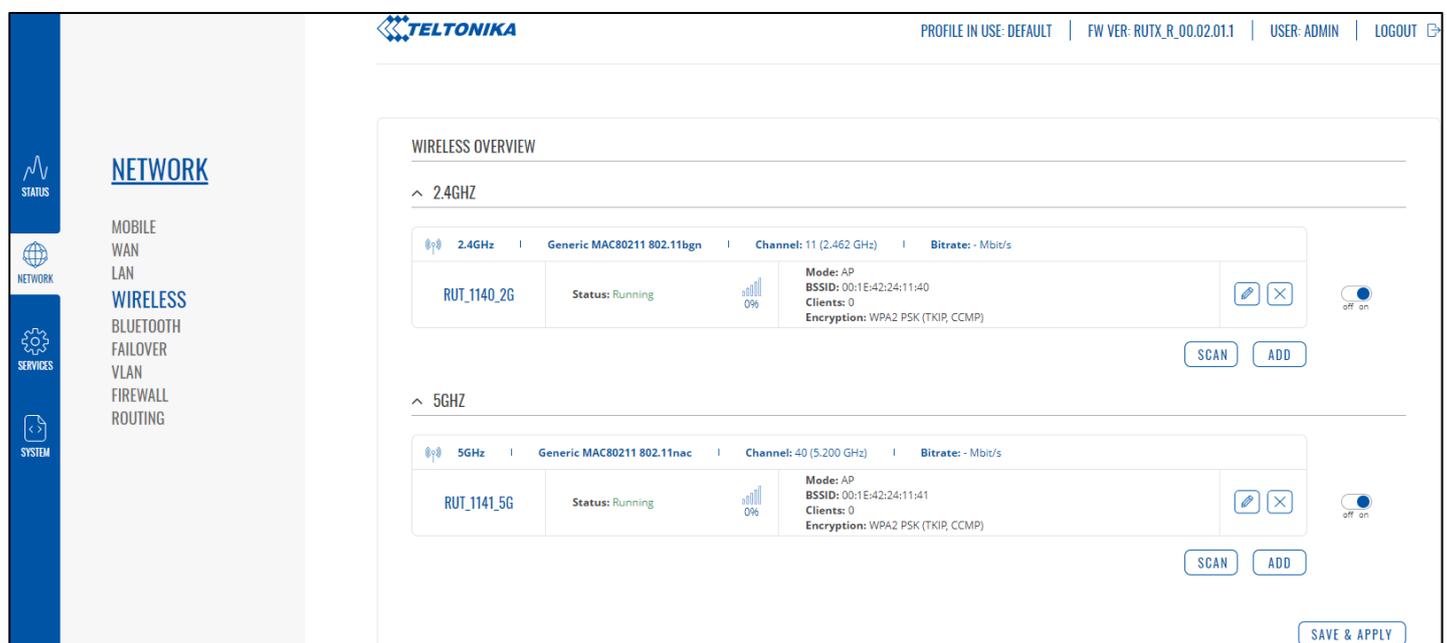
Before starting this process, please ensure that you have updated the Teltonika RUTX11 to the latest version of firmware, which can be found on the below page.

https://wiki.teltonika.lt/view/RUTX11_Firmware_Downloads

It is always a good practice to factory default a unit every time you update firmware.

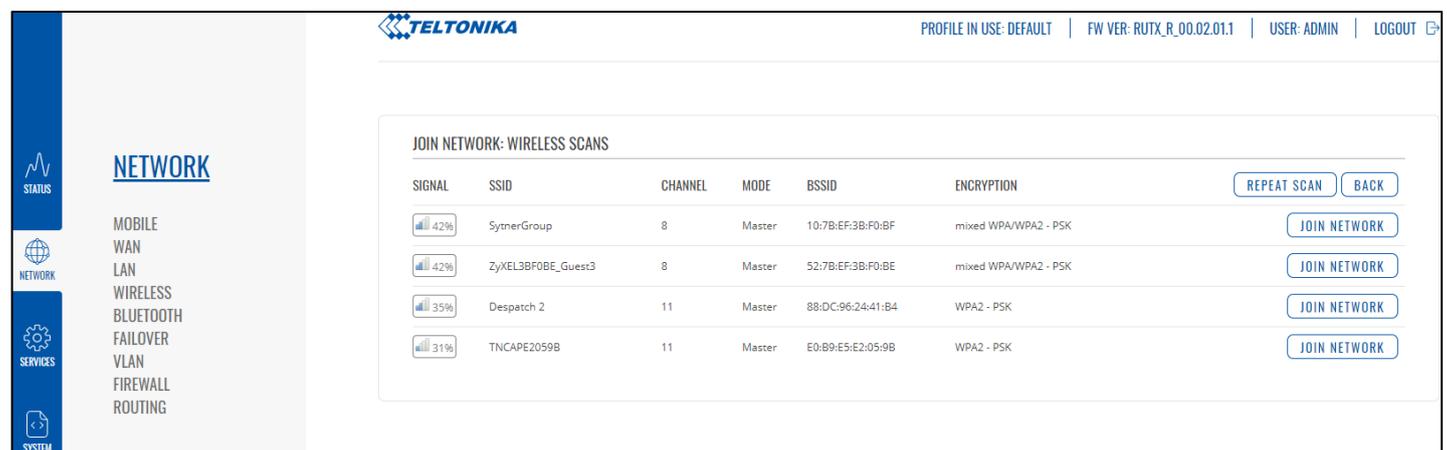
Step 1

Navigate to NETWORK / WIRELESS and click on the SCAN button in the 2.4Ghz wireless network section.



Step 2

Once the scan finishes, Click the JOIN NETWORK button that corresponds to the 2.4Ghz wireless network that you wish to bridge a connection to.



Step 3

Next, type in the passphrase for that wireless network, ensure that 'Name of the new network' is 'wwan' and then click the SUBMIT button.

The screenshot shows the Teltonika web interface. The top navigation bar includes the Teltonika logo, 'PROFILE IN USE: DEFAULT', 'FW VER: RUTX_R_00.02.01.1', 'USER: ADMIN', and 'LOGOUT'. The left sidebar contains menu items: STATUS, NETWORK, SERVICES, and SYSTEM. The 'NETWORK' menu is expanded, showing options: MOBILE, WAN, LAN, WIRELESS, BLUETOOTH, FAILOVER, VLAN, FIREWALL, and ROUTING. The main content area is titled 'JOINING NETWORK: "DESPATCH 2"'. It contains a form with the following fields: 'WPA passphrase' (password field), 'Name of the new network' (text field with 'wwan' entered), and 'Create / Assign firewall-zone' (dropdown menu with 'wan|wan', 'mob1s1a1', and 'mob1s2a1' options). At the bottom right of the form are two buttons: 'BACK TO SCAN RESULTS' and 'SUBMIT'.

Step 4

Then click the SAVE & APPLY button to confirm the configuration.

The screenshot shows the Teltonika web interface. The top navigation bar is the same as in Step 3. The left sidebar is the same, but the 'WIRELESS' menu item is highlighted. The main content area is titled 'DEVICE CONFIGURATION'. It has two sections: 'GENERAL SETUP' and 'INTERFACE CONFIGURATION'. The 'GENERAL SETUP' section includes an 'Enable' toggle (set to 'on'), 'Operating frequency' (Mode: N, Channel: 11 (2462 MHz), Width: 20 MHz), and 'Transmit Power' (100%). The 'INTERFACE CONFIGURATION' section includes 'Mode' (Client), 'ESSID' (Despatch 2), 'BSSID' (88:DC:96:24:41:B4), and 'Network' (wwan). At the bottom left is a '< BACK' button, and at the bottom right is a 'SAVE & APPLY' button.

Step 5

Next navigate to NETWORK / LAN and in the LAN SETTINGS section, click on the 'Pencil' icon.

TELTONIKA PROFILE IN USE: DEFAULT | FW VER: RUTX_R_00.02.01.1 | USER: ADMIN | LOGOUT

NETWORK

- MOBILE
- WAN
- LAN**
- WIRELESS
- BLUETOOTH
- FAILOVER
- VLAN
- FIREWALL
- ROUTING

^ LAN SETTINGS

LAN	Status: Running Uptime: 0h 2m 38s Bridged-interfaces: Yes	RX: 172.6 KB TX: 1.2 MB IPv4: 192.168.1.1/24	Protocol: static Device: br-lan MAC: 00:1E:42:24:11:3E		<input checked="" type="checkbox"/> off on
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^ ADD LAN INTERFACE

NAME

INTERFACE

Step 6

Scroll down to the bottom of this page to the RELAY CONFIGURATION section, enable it, make sure that the 'Interface' is using 'wwan,' and then click the SAVE & APPLY button to apply the configuration.

WIRELESS
BLUETOOTH
FAILOVER
VLAN
FIREWALL
ROUTING

SERVICES

SYSTEM

IPv4 gateway

IPv4 broadcast

Use custom DNS servers

^ DHCP SERVER

GENERAL SETUP

Enable DHCP

Start

Limit

Lease time

Units

^ STATIC LEASE

NAME	MAC	IP
This section contains no values yet		

^ ADD LEASE

NAME

^ RELAY CONFIGURATION

Enabled off on

Interface

Once done, you are all set up.