

The New FW for RNX-N150RT supports 3 modes:

Wireless Router: Provides Wireless Router and WDS functions

Wireless Repeater: Provides Universal Repeater and WDS Repeater functions

Wireless Bridge: Provides Wireless Bridge functions

Operation Mode Comparison	Wireless Router Mode	Wireless Repeater Mode	Wireless Bridge Mode
Methods:	Determines where data is supposed to go on the network and sends it on its way	Picks up a signal and rebroadcasts it	Connect two network segments. Could be used to set up a wired network where you can't lay a line to the main network for some reason
Can Create New SSID	✓	X	✓
Provides Internet via Wireless connection	✓	✓	✓
Provides Internet via Wired connection	✓	✓	✓
Able to link to Cable/DSL modem	✓	X	X
Wirelessly connects to Other SSID	✓ (WDS, may have Compatible issue with other chipset solution)	✓	✓ (May have Compatible issue with other chipset solution)
Setup Methods	Please see User Manual	Wireless Repeater	Wireless Bridge



Figure 1 Wireless Router Mode

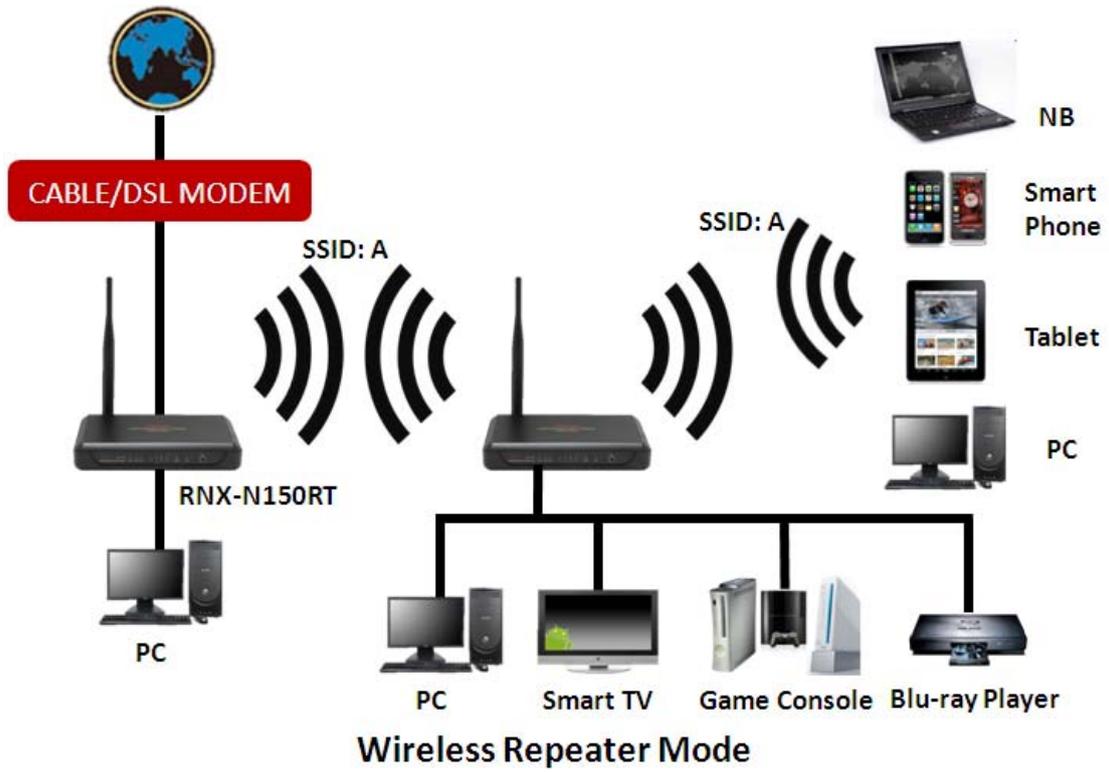


Figure 2 Wireless Repeater Mode

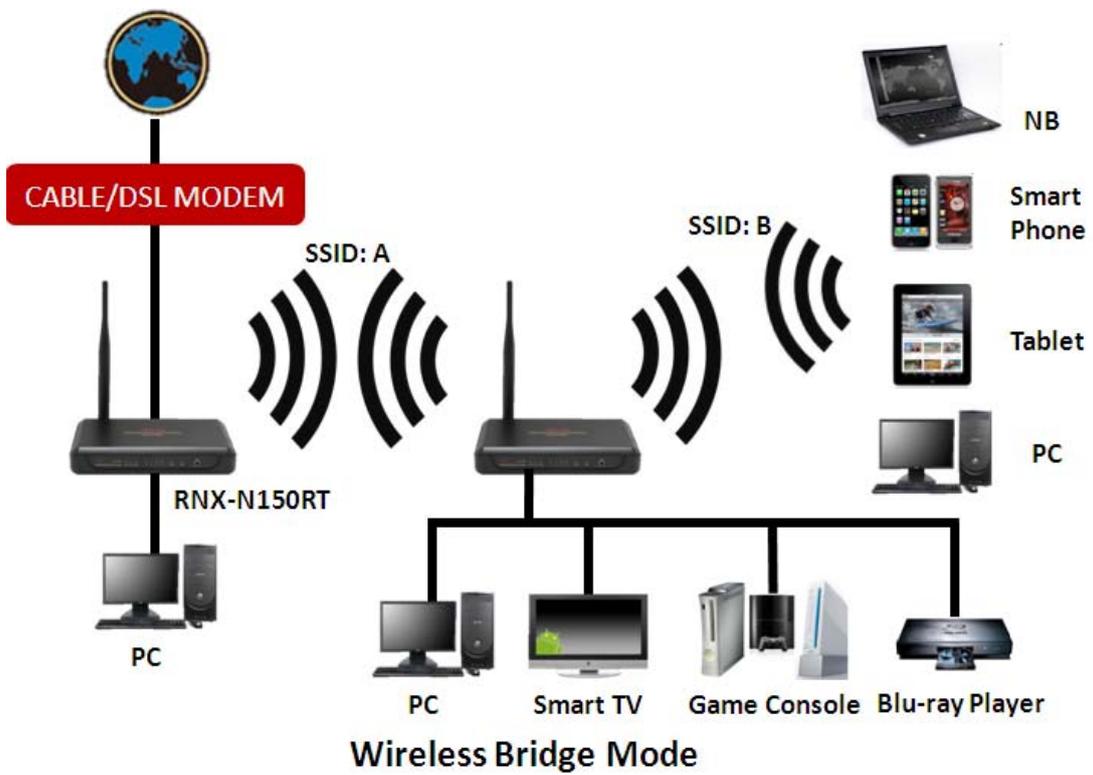


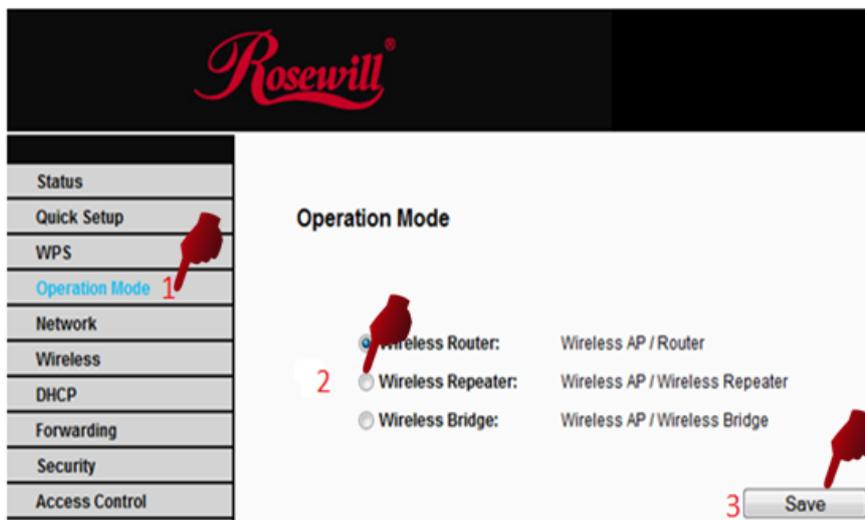
Figure 3 Wireless Bridge Mode

Changing the Operation Mode for RNX-N150RT (Using Wireless Repeater Mode as example)

Thank you for updating the New FW which provides you with 3 types of Operation Modes you can utilize: Please follow the steps here to set up the Repeater Mode:

Enter into the Web Utility page for RNX-N150RT (for detail, please see QIG. [2.4 Quick Installation Guide](#))

1. Under the web management page, click on "Operation Mode"
2. Select "Wireless Repeater"
3. Click "Save"



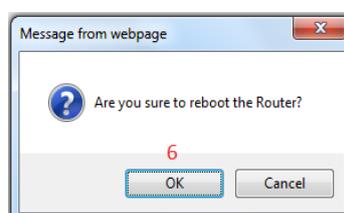
4. When see below appears in red, select "click here" to continue:



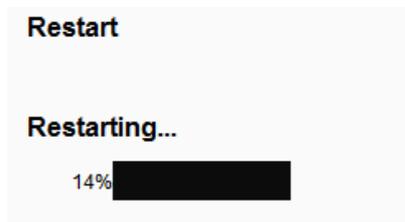
5. Click "Reboot"



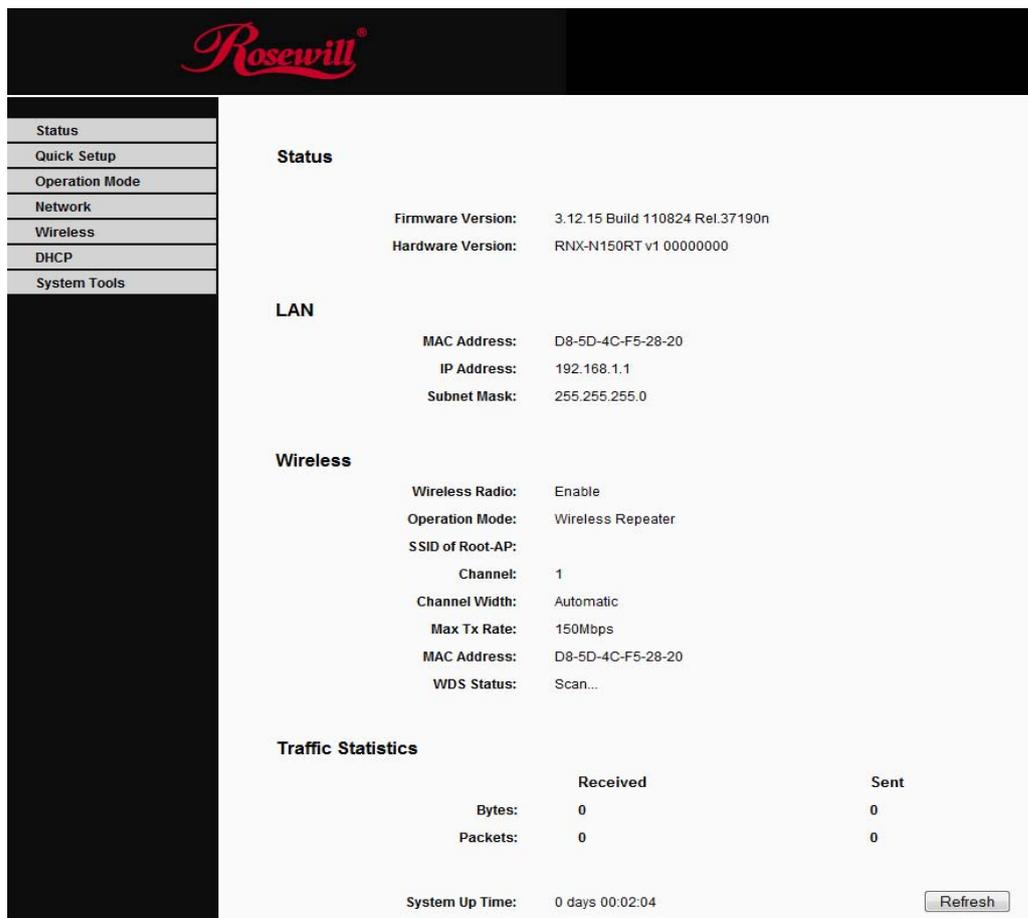
6. Select "OK"



- A bar will appear, please wait until "**Restarting**" hits 100%, then the Web Browser will reload automatically under the "**Wireless Repeater**" mode in 8.



- Here is what Wireless Repeater management page will look like after the reboot:



The screenshot shows the Rosewill management interface. On the left is a navigation menu with the following items: Status, Quick Setup, Operation Mode, Network, Wireless, DHCP, and System Tools. The main content area is titled "Wireless Repeater" and contains the following information:

Status

Firmware Version: 3.12.15 Build 110824 Rel.37190n
Hardware Version: RNX-N150RT v1 00000000

LAN

MAC Address: D8-5D-4C-F5-28-20
IP Address: 192.168.1.1
Subnet Mask: 255.255.255.0

Wireless

Wireless Radio: Enable
Operation Mode: Wireless Repeater
SSID of Root-AP:
Channel: 1
Channel Width: Automatic
Max Tx Rate: 150Mbps
MAC Address: D8-5D-4C-F5-28-20
WDS Status: Scan...

Traffic Statistics

	Received	Sent
Bytes:	0	0
Packets:	0	0

System Up Time: 0 days 00:02:04 [Refresh](#)

RNX-N150RT as Wireless Repeater Setup:

When Repeater Web Management show up, please follow below steps:

1. Click on **"Wireless"**
2. Select **"Wireless Settings"**
3. Choose between **"Universal Repeater"** or **"WDS Repeater"**
4. Select **"Search"**

Note:

Universal Repeater and WDS Repeater support different chipset solution. Universal Repeater can support most of the solution. Recommend first select using **"Universal Repeater"**.

Wireless Settings - Wireless Repeater

Region:

Warning: Ensure you select correct country to conform local law. Incorrect settings may cause interference.

Repeater Mode: Universal Repeater WDS Repeater

SSID of Root-AP:

BSSID of Root-AP: Example:00-1D-0F-11-22-33

Key Type:

WEP Index:

Auth Type:

Password:

Enable Wireless Radio

Enable SSID Broadcast

5. You will see a list of the Wireless Routers' Signals show up. Select your desired SSID.
6. Click **"Connect"**

AP List						
AP Count: 19						
ID	BSSID	SSID	Signal	Channel	Security	Choose
1	00:14:00:00:00:00	TP-LINK_10	11dB	1	ON	Connect
2	00:14:00:00:00:00	TP-LINK_10	4dB	1	ON	Connect
3	00:14:00:00:00:00	TP-LINK	36dB	1	ON	Connect
4	00:14:00:00:00:00	TP-LINK	38dB	1	OFF	Connect
5	00:14:00:00:00:02	TP-LINK	37dB	1	OFF	Connect
6	00:14:00:00:00:00	Adi_001	4dB	2	ON	Connect
7	00:14:00:00:00:00	00:14:00:00:00:00	10dB	2	ON	Connect
8	00:14:00:00:00:00	Adi_001	23dB	4	ON	Connect
9	00:14:00:00:00:00	Adi_001	23dB	6	ON	Connect
10	00:14:00:00:00:00	Rosewill_Gateway1	50dB	6	ON	Connect
11	00:14:00:00:00:00	Adi_001	12dB	6	ON	Connect
12	00:14:00:00:00:00	Adi_001	14dB	9	ON	Connect
13	00:14:00:00:00:00	Adi_001	4dB	9	ON	Connect
14	00:14:00:00:00:00	Adi_001	19dB	11	ON	Connect
15	00:14:00:00:00:00	Adi_001	25dB	11	ON	Connect
16	00:14:00:00:00:00	Adi_001	28dB	11	ON	Connect
17	00:14:00:00:00:00	Adi_001	46dB	11	ON	Connect
18	00:14:00:00:00:00	Adi_001	49dB	11	OFF	Connect

7. After Step 6, you will return to the setup page. Please choose your Key Type which is your desired SSID's encryption method
8. Entered your SSID's Password (We use **123456789** here as example for the password of **Rosewill_Gateway1**)
9. Click "**Save**" to continue.

Wireless Settings - Wireless Repeater	
Region:	United States
Warning:	Ensure you select a correct country to conform local law. Incorrect settings may cause interference.
Repeater Mode:	<input checked="" type="radio"/> Universal Repeater <input type="radio"/> WDS Repeater
SSID of Root-AP:	Rosewill_Gateway1
BSSID of Root-AP:	00:14:00:00:00:00 Example: 00-1D-0F-11-22-33
Key Type:	WPA-PSK/WPA2-PSK
WEP Index:	1
Auth Type:	Open
Password:	123456789
	<input checked="" type="checkbox"/> Enable Wireless Radio
	<input checked="" type="checkbox"/> Enable SSID Broadcast
	<input type="button" value="Save"/>

10. You will be asking to reboot, please follow the instruction of rebooting. Once Reboot complete, your RNX-N150RT's Wireless Repeater setup is complete!

RNX-N150RT as Wireless Bridge Setup:

When Wireless Bridge Web Management show up, please follow below steps:

1. Click on **"Wireless"**
2. Select **"Wireless Settings"**
3. Select **"Search"**

Wireless Channel: Auto

Wireless Mode: 11bgn mixed

Channel Width: Automatic

Max Transmit Rate: 150Mbps

Enable Wireless Radio

Enable SSID Broadcast

Wireless Bridge Setting

SSID of Bridge:

BSSID of Bridge: Example:00-1D-0F-11-22-33

Key Type: None

WEP Index: 1

Auth Type: Open

Password:

4. You will see a list of the Wireless Routers' Signals show up. Select your desired SSID.
5. Please remember your desired SSID's Channel
6. Click **"Connect"**

AP List						
ID	BSSID	SSID	Signal	Channel	Security	Choose
AP Count: 19						
1	08:00:0E:54:00:03	TP-LINK_7D	11dB	1	ON	Connect
2	08:00:0E:54:00:03	TP-LINK_7D	4dB	1	ON	Connect
3	08:00:0E:54:00:03	TP-LINK	36dB	1	ON	Connect
4	08:00:0E:54:00:03	TP-LINK	38dB	1	OFF	Connect
5	08:00:0E:54:00:03	TP-LINK	37dB	1	OFF	Connect
6	72:4F:03:78:4F:03	Acad AP	4dB	2	ON	Connect
7	08:00:0E:54:00:03	TP-LINK	10dB	2	ON	Connect
8	08:00:0E:54:00:03	TP-LINK	13dB	4	ON	Connect
9	08:00:0E:54:00:03	TP-LINK	23dB	6	ON	Connect
10	08:00:0E:54:00:03	Rosewill_Gateway1	50dB	6	ON	Connect
11	08:00:0E:54:00:03	TP-LINK	12dB	6	ON	Connect
12	08:00:0E:54:00:03	TP-LINK	14dB	9	ON	Connect
13	08:00:0E:54:00:03	TP-LINK	4dB	9	ON	Connect
14	08:00:0E:54:00:03	TP-LINK	19dB	11	ON	Connect
15	08:00:0E:54:00:03	TP-LINK	25dB	11	ON	Connect
16	08:00:0E:54:00:03	TP-LINK	28dB	11	ON	Connect
17	08:00:0E:54:00:03	TP-LINK	46dB	11	ON	Connect
18	08:00:0E:54:00:03	TP-LINK	49dB	11	OFF	Connect

7. After Step 6, you will return to the setup page. You can enter a different set of SSID for this Wireless Bridge.
 - 7-1. If you set a different SSID, please remember to set this SSID's security.
8. Select your SSID's Channel (Here we use "6" as shown previously in **Step 5**)
9. Please choose your Key Type which is your desired SSID's encryption method
10. Entered your SSID's Password (We use **123456789** here as example for the password of **Rosewill_Gateway1**)
11. Click "**Save**" to continue.

The screenshot displays the configuration interface for the Wireless Router RNX-N150RT. On the left is a navigation menu with the following items: Status, Quick Setup, Operation Mode, Network, **Wireless**, - Wireless Settings, - Wireless Security, - Wireless MAC Filtering, - Wireless Advanced, - Wireless Statistics, DHCP, and System Tools. A red arrow labeled '7-1' points to the 'Wireless' menu item.

The main content area is titled 'Wireless Settings - Wireless Bridge' and is divided into two sections:

- Wireless AP Setting:**
 - Local SSID: Rosewill_F52820 (Red arrow labeled '7' points to this field)
 - Region: United States (Red arrow labeled '8' points to this dropdown)
 - Warning: Ensure you select a correct country to conform local law. Incorrect settings may cause interference.
 - Wireless Channel: 6 (Red arrow labeled '8' points to this dropdown)
 - Wireless Mode: 11bgn mixed (Red arrow labeled '8' points to this dropdown)
 - Channel Width: Automatic (Red arrow labeled '8' points to this dropdown)
 - Max Transmit Rate: 150Mbps (Red arrow labeled '8' points to this dropdown)
 - Enable Wireless Radio
 - Enable SSID Broadcast
- Wireless Bridge Setting:**
 - SSID of Bridge: Rosewill_Gateway1 (Red arrow labeled '9' points to this field)
 - BSSID of Bridge: 6C-FD-B9-38-EC-7... (example:00-1D-0F-11-22-33) (Red arrow labeled '9' points to this field)
 - Search: [button]
 - Key Type: WPA-PSK/WPA2-PSK (Red arrow labeled '9' points to this dropdown)
 - WEP Index: 1 (Red arrow labeled '10' points to this dropdown)
 - Auth Type: Open (Red arrow labeled '10' points to this dropdown)
 - Password: 123456789 (Red arrow labeled '10' points to this field)
 - [button] Save (Red arrow labeled '11' points to this button)

12. You will be asking to reboot, please follow the instruction of rebooting. Once Reboot complete, your RNX-N150RT's Wireless Bridge setup is complete!