

Connect Mikrotik to Modem

09 Aug 2025

Topology



Think:

- Make Mik Connect to Modem (SSID and password)
- Mikro Wen1 need to get the internet from Model
- Now we have internet in Mikrotik we want to provide the DHCP server to port ether2 to PC
- In Mikrotik need to have Nat to translate DHCP server to internet

1. Enable Wan

The screenshot shows the Mikrotik WinBox interface. On the left is a sidebar with various menu items: Quick Set, CAPsMAN, Interfaces, Wireless, Bridge, PPP, Switch, Mesh, IP, MPLS, Routing, System, Queues, Files, Log, RADIUS, Tools, New Terminal, Dot1X, and MetaROUTER. The main window displays the 'Wireless Tables' section. It has a tabbed interface with 'WiFi Interfaces' selected. Below the tabs is a table with columns: Name, Type, Actual MTU, Tx, Rx, Tx Packet (p/s), Rx Packet (p/s), FP Tx, FP Rx, and FP Tx Packet (p/s). The table contains one entry for 'wlan1'.

Name	Type	Actual MTU	Tx	Rx	Tx Packet (p/s)	Rx Packet (p/s)	FP Tx	FP Rx	FP Tx Packet (p/s)
wlan1	Wireless (Atheros AR9...	1500	31.1 kbps	27.6 kbps	72	48	0 bps	27.6 kbps	

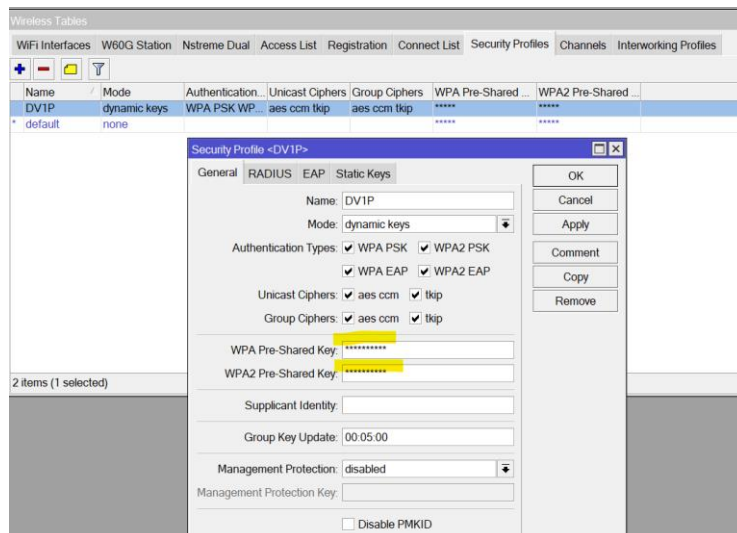
2. Connect Wen1 to Modem Wifi

The screenshot shows the 'Interface <wlan1>' configuration window in Mikrotik WinBox. The 'Wireless' tab is selected. The configuration fields are as follows:

- Mode: station
- Band: 2GHz-B/G/N
- Channel Width: 20/40MHz eC
- Frequency: 2457 MHz
- SSID: ZDV1
- Security Profile: DV1P
- Frequency Mode: regulatory-domain
- Country: etsi
- Installation: any
- ☒ Default Authenticate

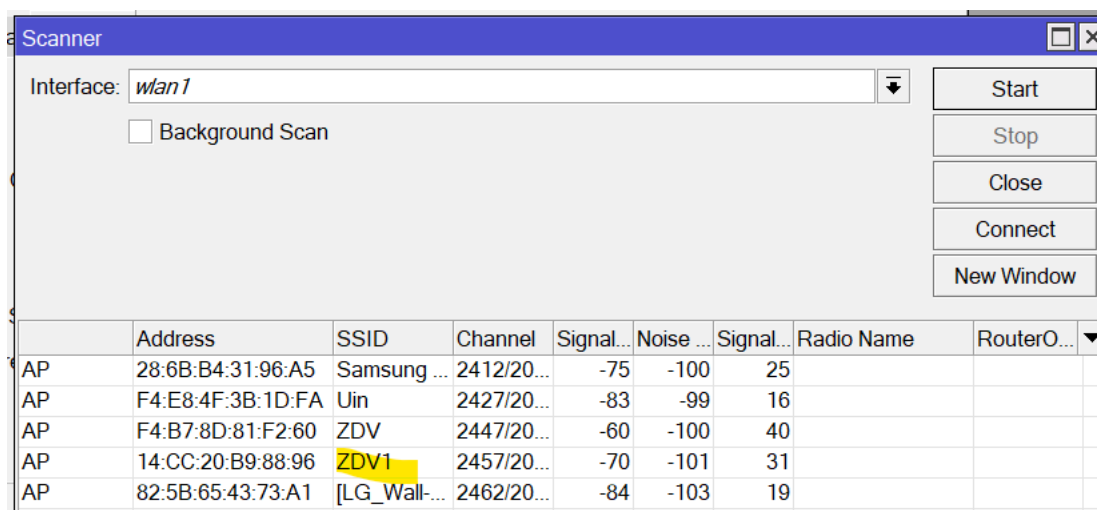
On the right side of the window, there are several buttons: OK, Cancel, Apply, Disable, Comment, Advanced Mode, Torch, WPS Accept, WPS Client, Setup Repeater, Scan..., Freq. Usage..., and Align....

3. Setup Security password

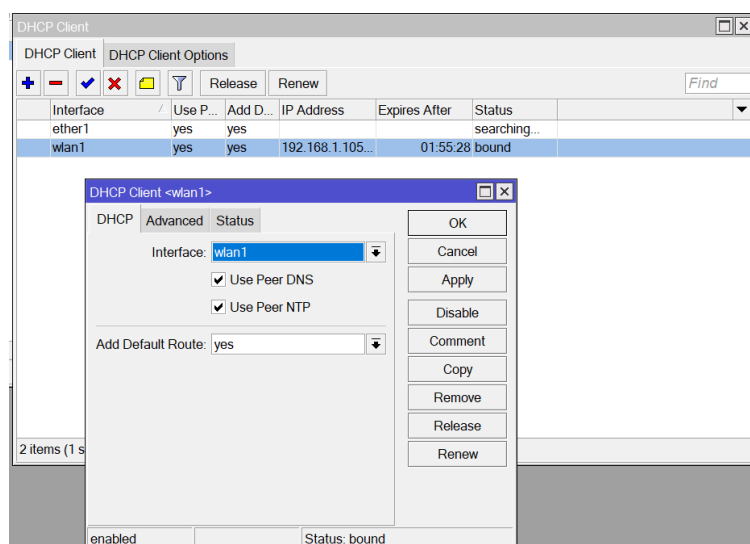


Password need to be the same our modem wifi pass

4. Scan and connect to wifi modem



5. After we connect to Modem we need to get the DHCP from the modem

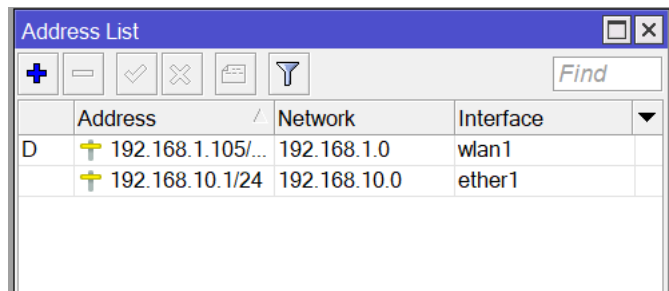


Status connection bound: then we can ping to the internet

6. Set up port the in Mikrotik to share the internet to computer

Create DHCP server

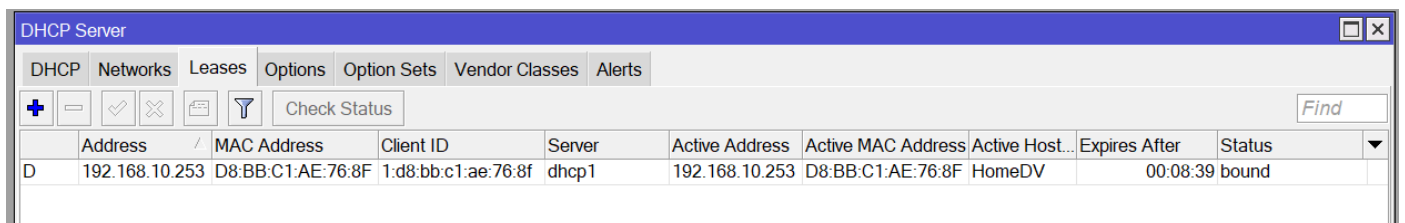
Prepare our Ip rang that we want the DHCP server to share on which port:



The screenshot shows the 'Address List' window in Mikrotik WinBox. It contains a table with columns: Address, Network, and Interface. There are two entries, both marked with a green plus icon.

	Address	Network	Interface
D	192.168.1.105/...	192.168.1.0	wlan1
	192.168.10.1/24	192.168.10.0	ether1

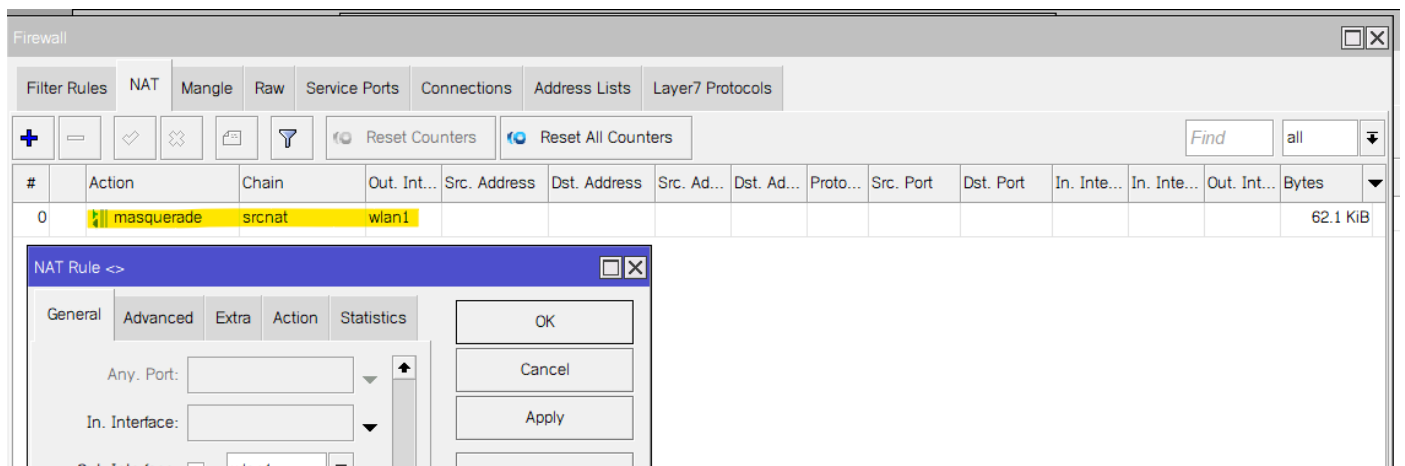
7. Setup DHCP server



The screenshot shows the 'DHCP Server' window in Mikrotik WinBox. It has tabs for DHCP, Networks, Leases, Options, Option Sets, Vendor Classes, and Alerts. The 'DHCP' tab is active, showing a table with columns: Address, MAC Address, Client ID, Server, Active Address, Active MAC Address, Active Host..., Expires After, and Status. There is one entry.

	Address	MAC Address	Client ID	Server	Active Address	Active MAC Address	Active Host...	Expires After	Status
D	192.168.10.253	D8:BB:C1:AE:76:8F	1:d8:bb:c1:ae:76:8f	dhcp1	192.168.10.253	D8:BB:C1:AE:76:8F	HomeDV	00:08:39	bound

8. Setup NAT



The screenshot shows the 'Firewall' window in Mikrotik WinBox with the 'NAT' tab selected. A rule named 'masquerade' is highlighted in the list. Below it, the 'NAT Rule' configuration window is open, showing the 'General' tab. The 'Chain' is set to 'srcnat' and the 'Out. Interface' is set to 'wlan1'.

#	Action	Chain	Out. Int...	Src. Address	Dst. Address	Src. Ad...	Dst. Ad...	Proto...	Src. Port	Dst. Port	In. Inte...	In. Inte...	Out. Int...	Bytes
0	masquerade	srcnat	wlan1											62.1 KiB

General	Advanced	Extra	Action	Statistics
Any. Port: []				
In. Interface: []				
Out. Interface: wlan1				

Now we can ping to the internet from PC !