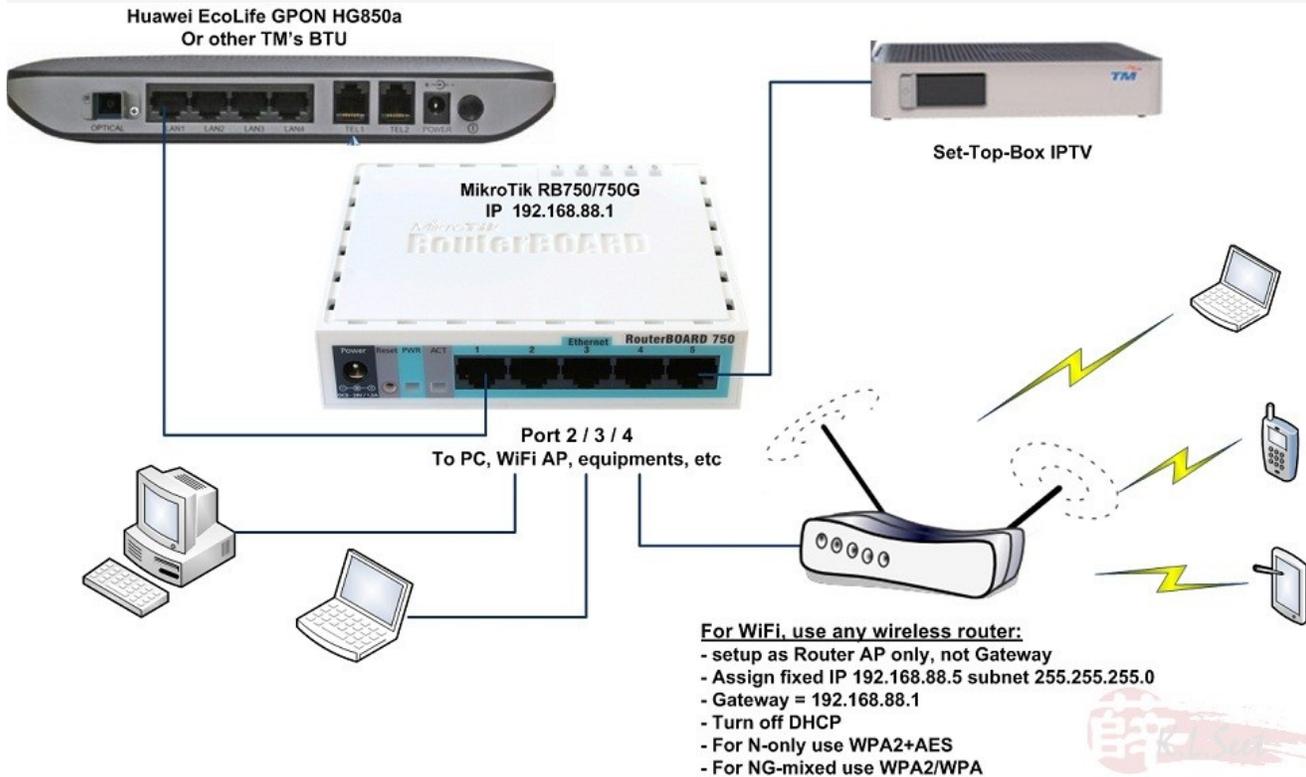


Setup UNIFI Mikrotik

BTU[Port1] --> [Port1]RB750/750G[Port2/3/4] --> <computer / laptop/ wifi AP>

RB750/750G[Port2/3/4] --> <computer / laptop/ wifi AP>

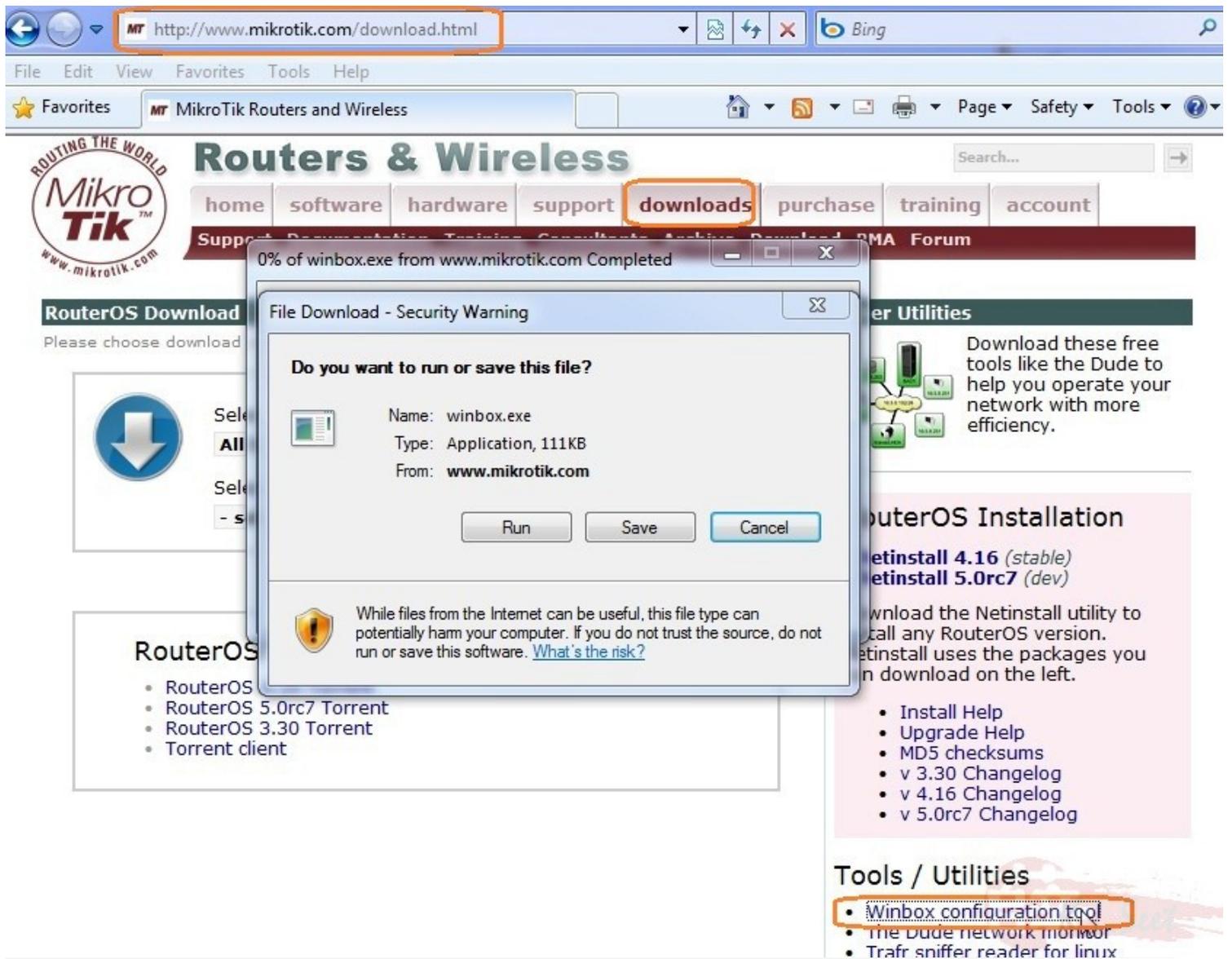
BTU[Port5] --> [LAN]Set-Top-Box IPTV



Setup for UniFi:

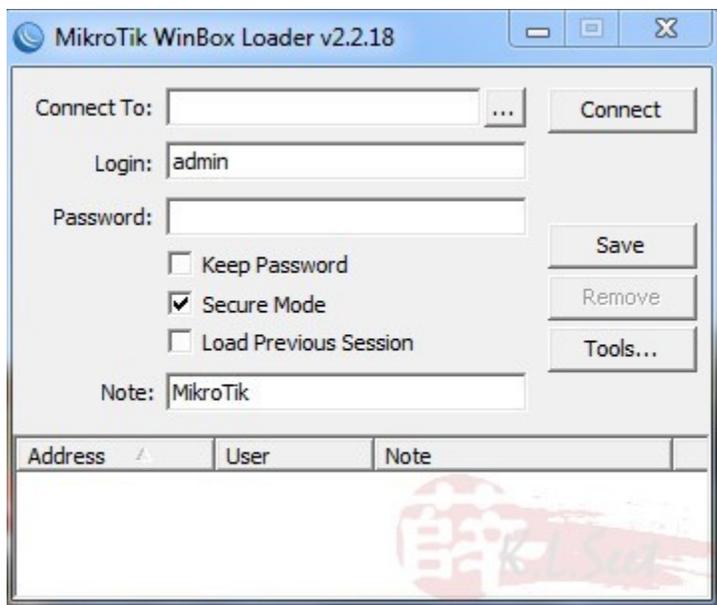
Hard reset the unit first!

Go to MikroTik download section, download the latest WinBox Tool to your computer

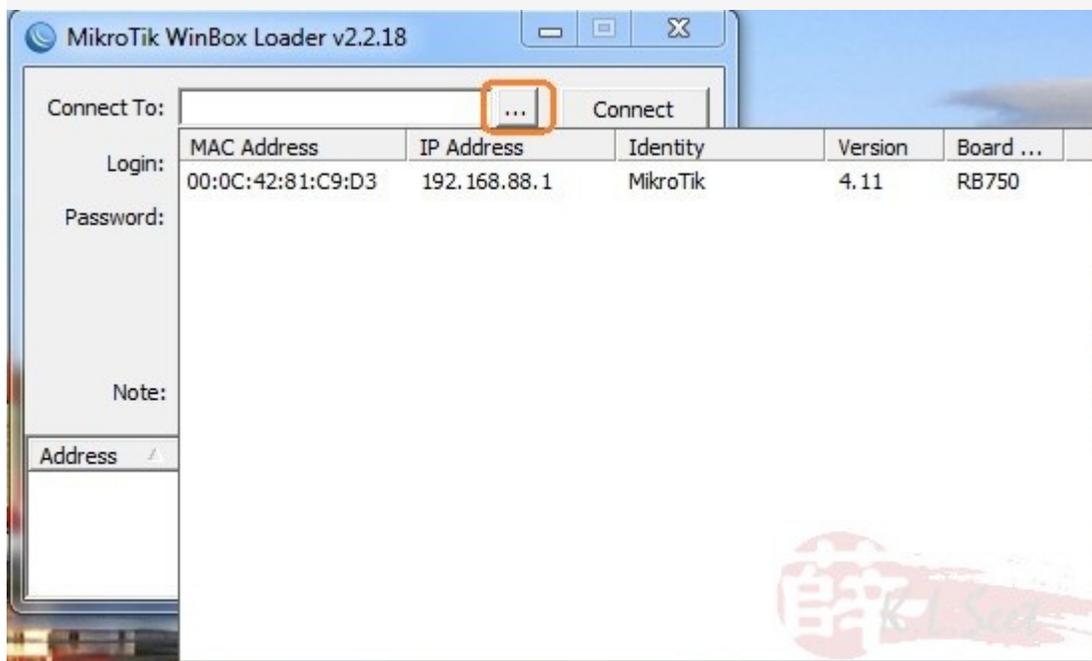


Connect your computer to either Port 2/3/4 of the RB750/750G

Then run the WinBox.exe

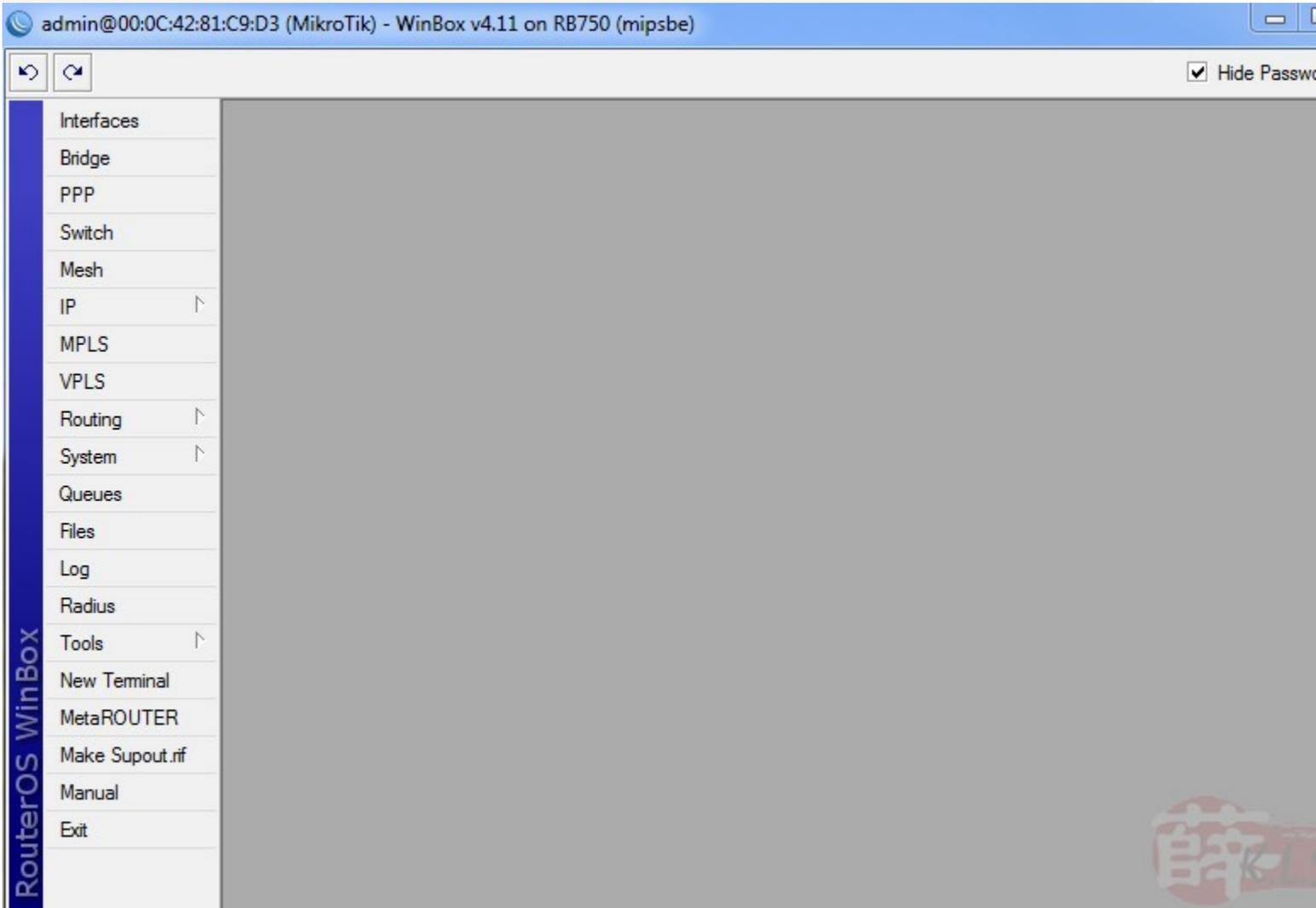
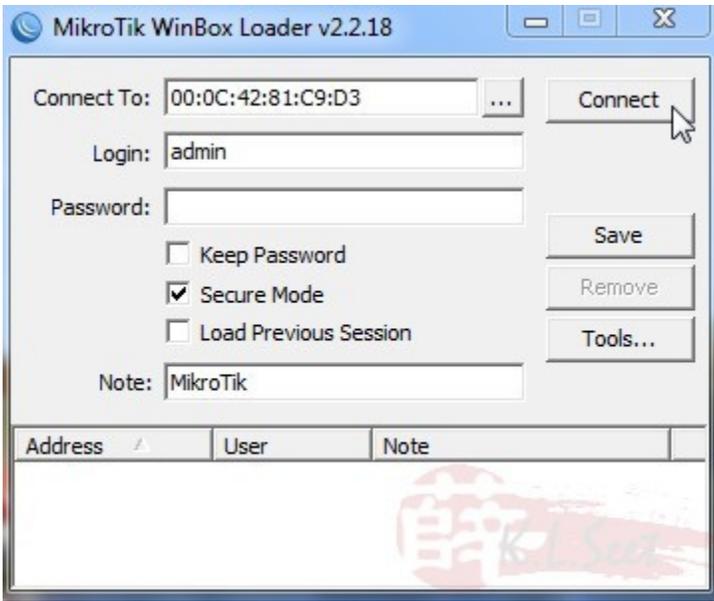


Click the radio button to search & select the RB750/750G device

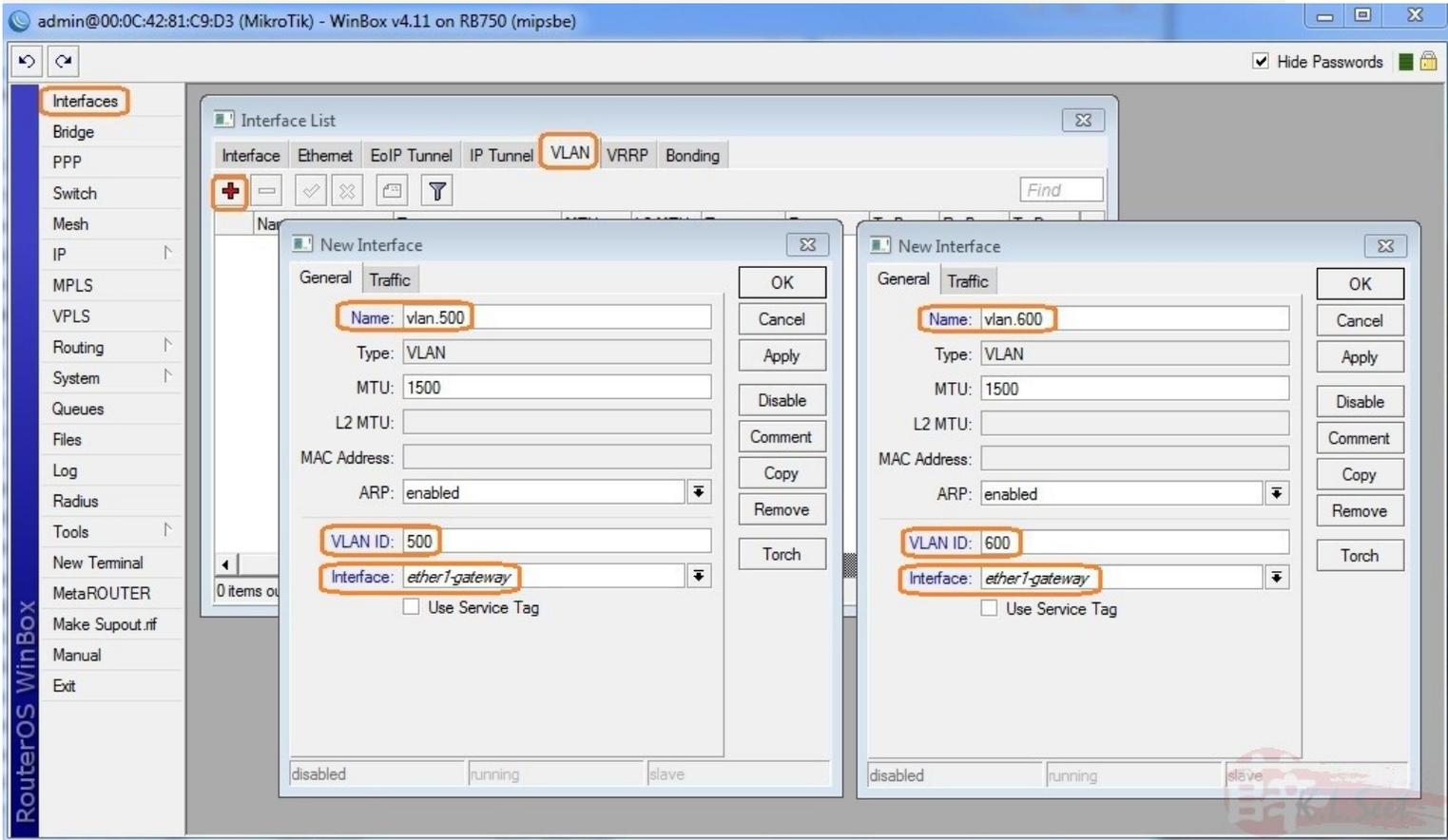


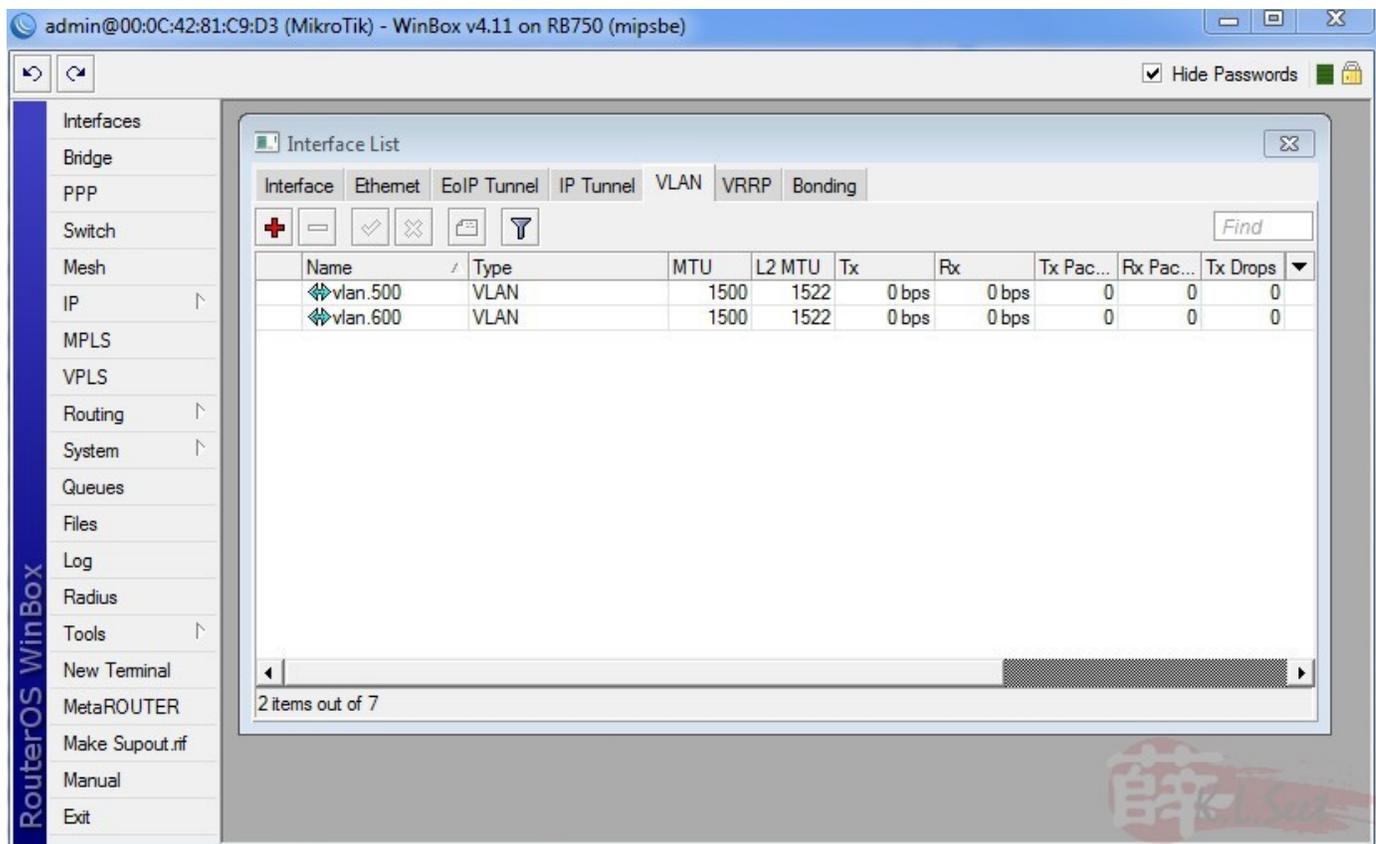
Enter default login: admin with *blank* password

Click "Connect"

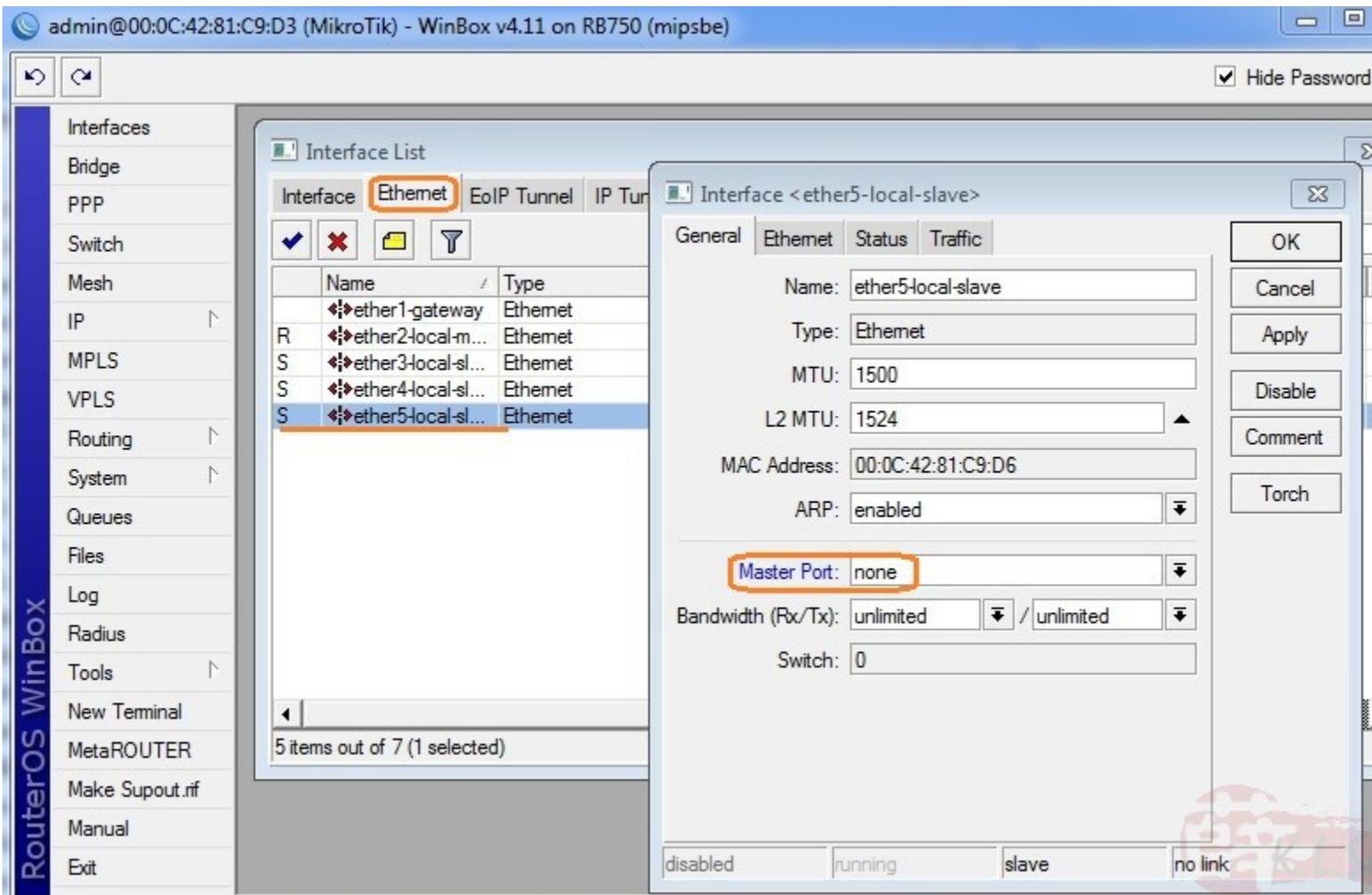


Go to "Interfaces" select "VLAN" tab, add the following vlan 500 & 600, click "OK" when done

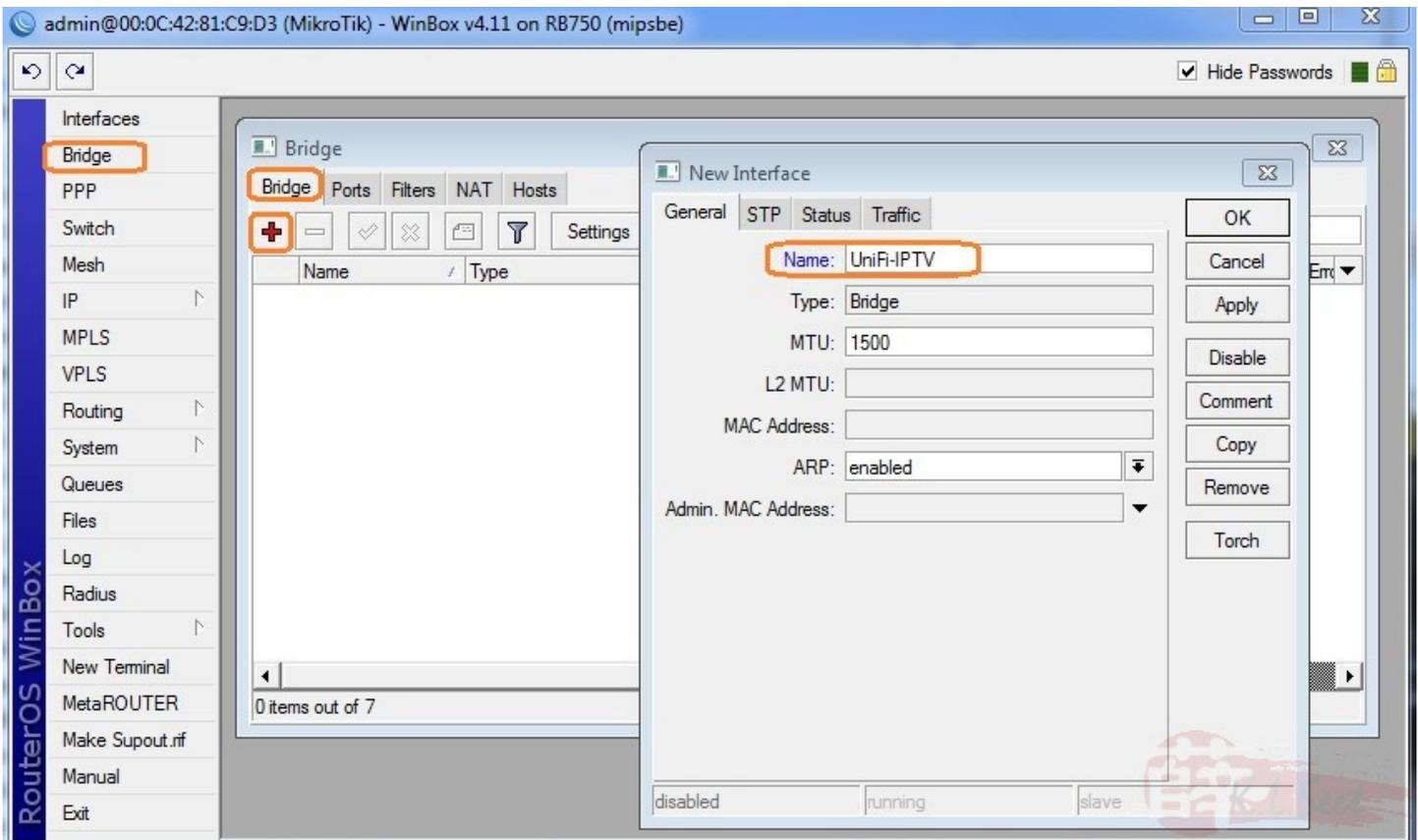




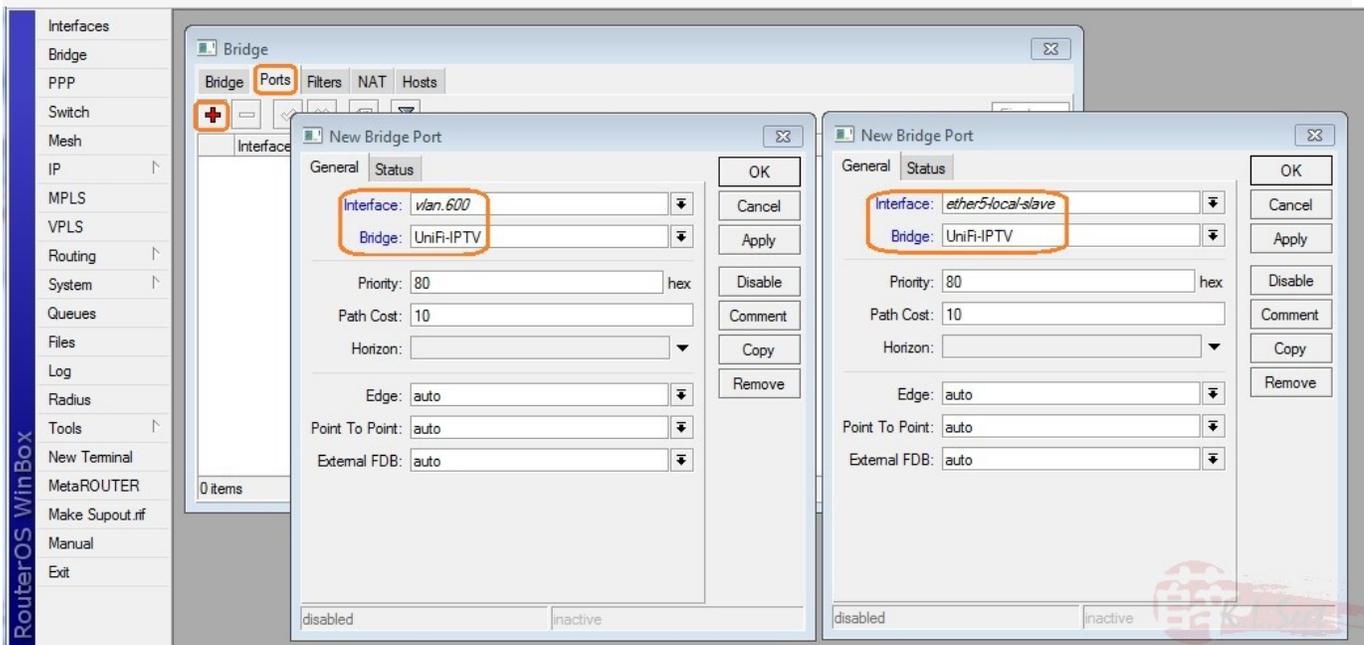
Select "Ethernet" tab, select "ether5" and setup "Master Port" as none, click "OK" when done



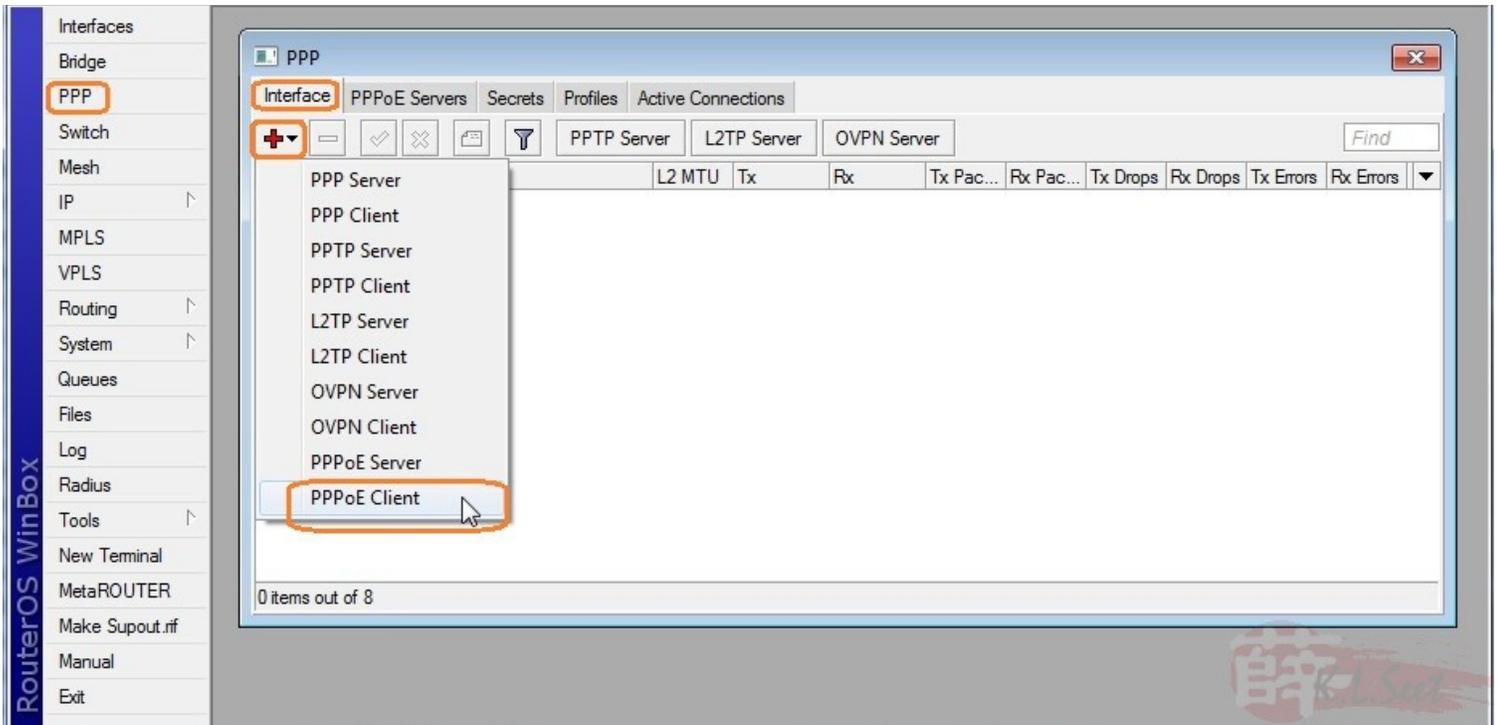
Go to "Bridge" and select "Bridge" tab, create a bridge called "UniFi-IPTV", click "OK" when done



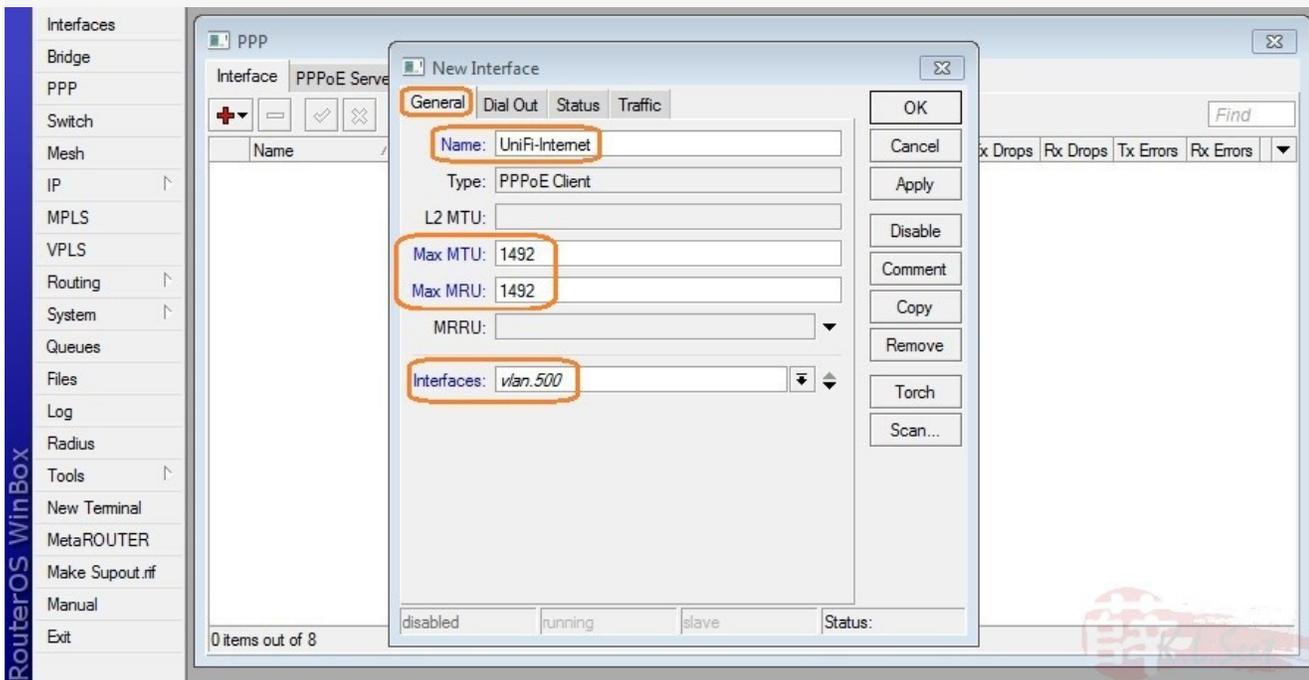
Click on "Ports" tab, create 2 ports as follow for IPTV, click "OK" when done



Go to "PPP" and select "Interface" tab, add and choose "PPPoE Client"



Enter the following at "General" tab



Enter your UniFi user ID & password at "Dial Out" tab, click "OK" when done

- Interfaces
- Bridge
- PPP
- Switch
- Mesh
- IP
- MPLS
- VPLS
- Routing
- System
- Queues
- Files
- Log
- Radius
- Tools
- New Terminal
- MetaROUTER
- Make Supout.nf
- Manual
- Exit

PPP

Interface PPPoE Servers

New Interface

General **Dial Out** Status Traffic

Service: [Dropdown]

AC Name: [Dropdown]

User: [YourUniFiUserID]@unifi

Password: [Masked]

Profile: default

Dial On Demand

Add Default Route

Use Peer DNS

- Allow -

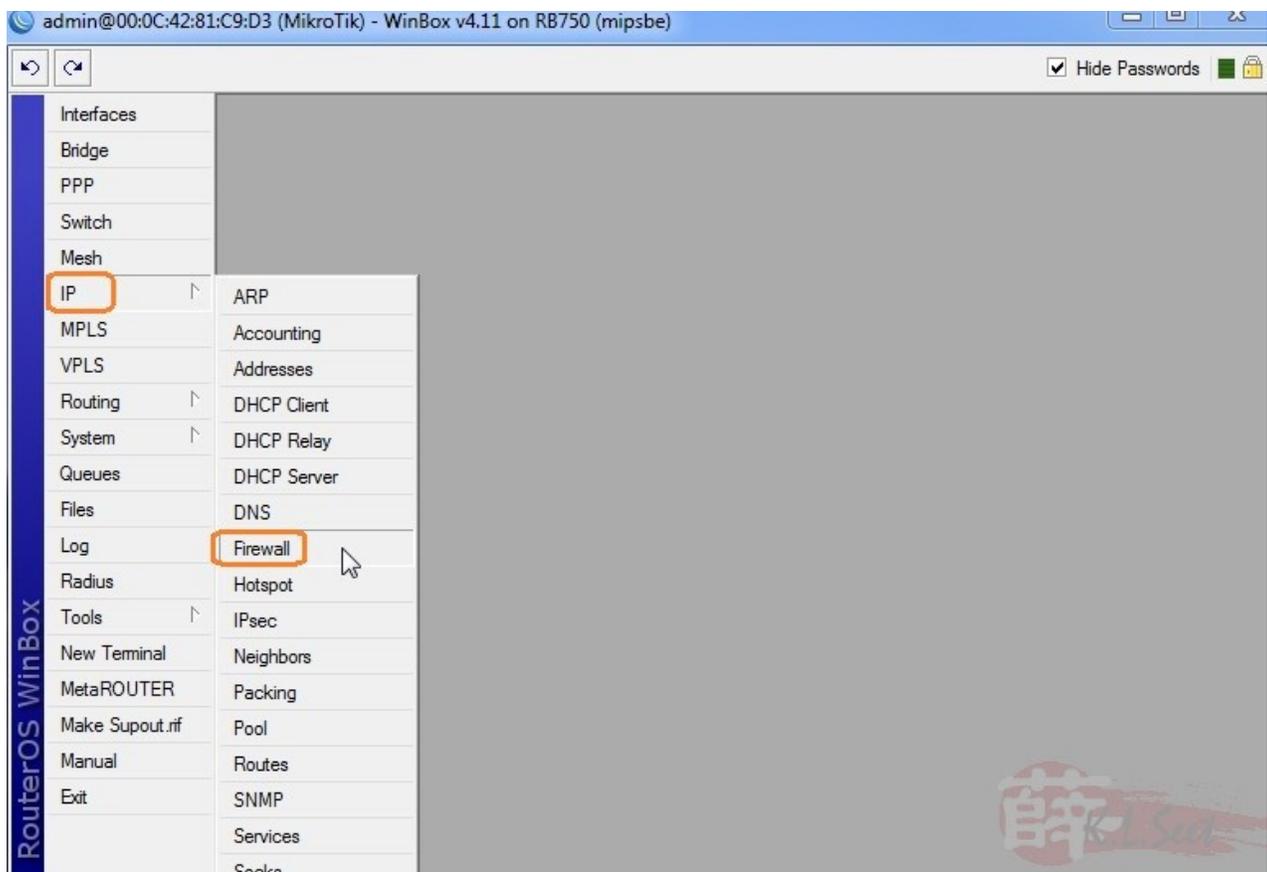
pap chap

mschap1 mschap2

disabled running slave Status:

OK Cancel Apply Disable Comment Copy Remove Torch Scan...

Go to "IP --> Firewall"



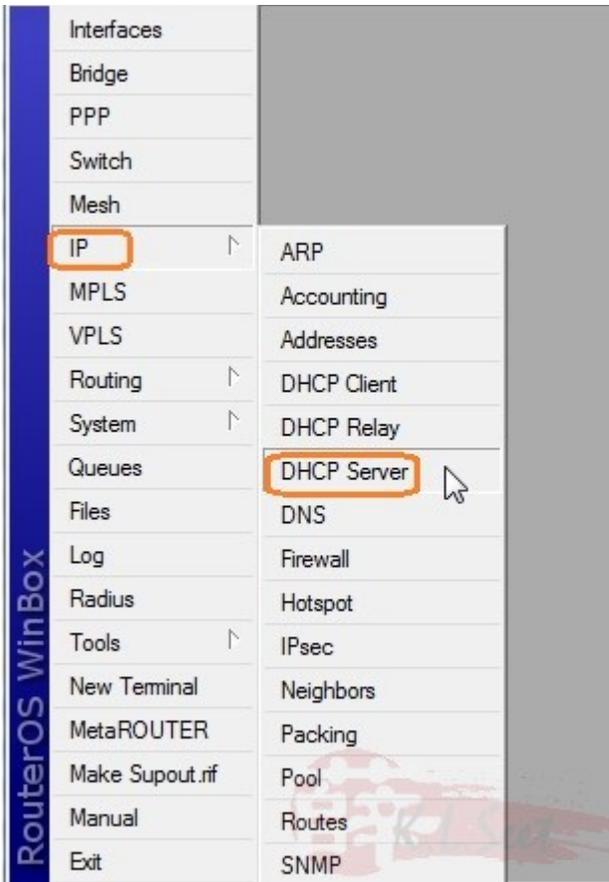
Click on "NAT" tab, add/change the NAT as follow, click "OK" when done

23Apr2011 Update - [Thanks Rizvanrp for highlighting the Out-Interface setting](#) in order for the port forward to work properly!

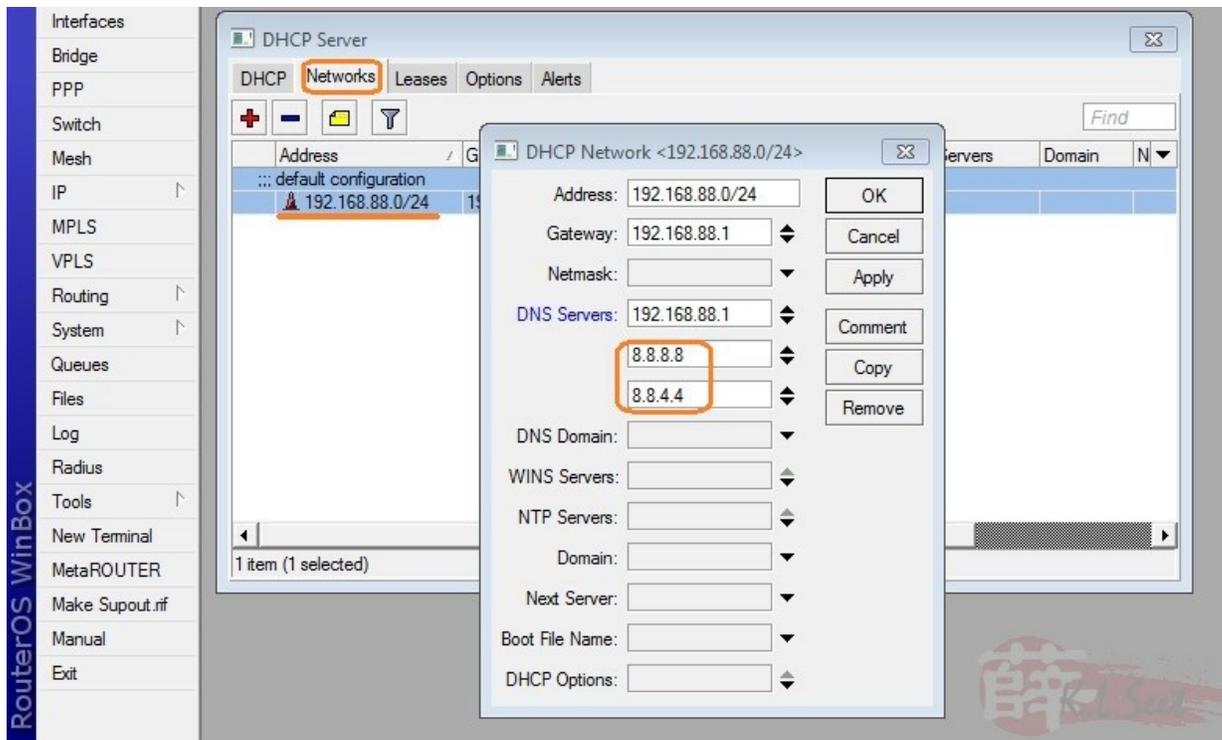
- Interfaces
- Bridge
- PPP
- Switch
- Mesh
- IP
- MPLS
- VPLS
- Routing
- System
- Queues
- Files
- Log
- Radius
- Tools
- New Terminal
- MetaROUTER
- Make Supout.nif
- Manual
- Exit

The screenshot shows the Mikrotik WinBox interface. On the left is a sidebar menu with various configuration options. The main window displays the Firewall configuration. A table lists Firewall rules with columns for #, Action, Chain, Src. Address, Dst. Address, Proto..., Src. Port, Dst. Port, In. Inter..., Out. Int..., and Bytes. A 'NAT Rule <>' dialog box is open, showing the 'Action' tab. The 'Action' dropdown menu is set to 'masquerade', and this text is circled in orange. The dialog box also has tabs for General, Advanced, Extra, Action, and Statistics. On the right side of the dialog box, there are several buttons: OK, Cancel, Apply, Disable, Comment, Copy, Remove, Reset Counters, and Reset All Counters.

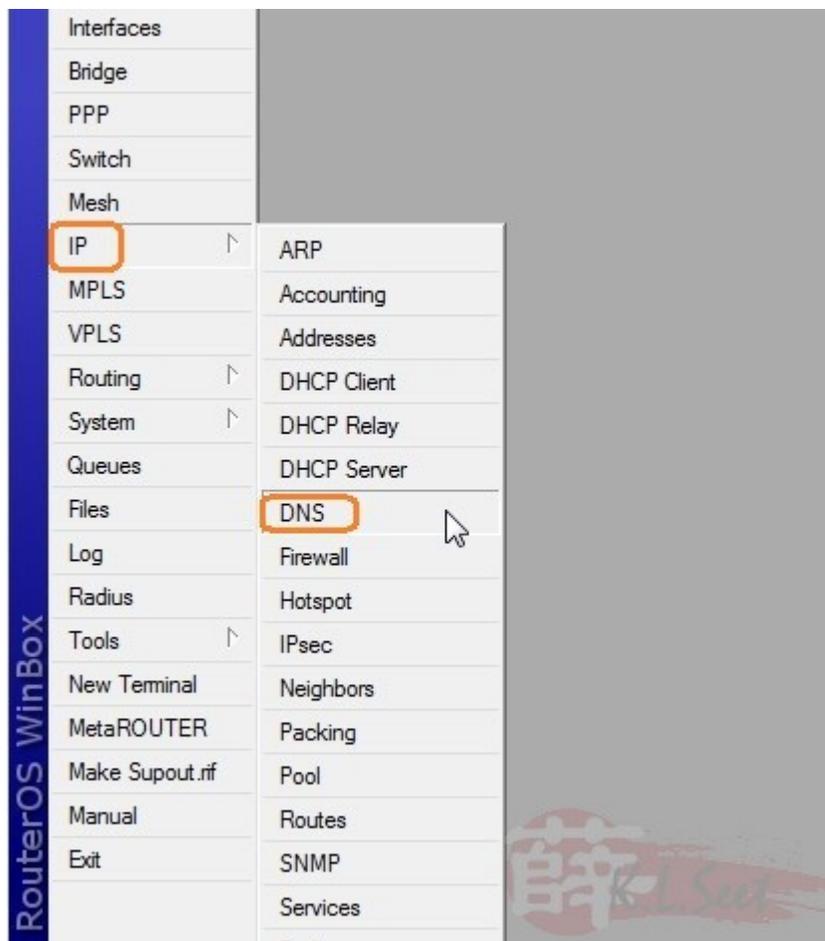
Go to "IP --> DHCP Server"



Select "Network" tab, enter Google DNS (or your preferred DNS) as follows, click "OK" when done
Can also consider OpenDNS = 208.67.222.222 & 208.67.220.220



Go to "IP --> DNS"



Enter Google DNS (or your preferred DNS) at "Settings" tab, click "OK" when done

Can also consider OpenDNS = 208.67.222.222 & 208.67.220.220

RouterOS WinBox

Interfaces
Bridge
PPP
Switch
Mesh
IP
MPLS
VPLS
Routing
System
Queues
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Make Supout.rif
Manual
Exit

DNS

Static Cache

+ - ✓ ✕ ⏏ Settings Find

#	Name	Address	TTL (s)
0	router	192.168.88.1	1d 00:00:00

1 item

DNS Settings

Servers: 8.8.8.8
8.8.4.4

Allow Remote Requests

Max UDP Packet Size: 512

Cache Size: 2048 KB

Cache Used: 6

OK
Cancel
Apply

Setup completed, connect cables per following connection diagram.

System connected!

Interfaces

Bridge

PPP

Switch

Mesh

IP

MPLS

VPLS

Routing

System

Queues

Files

Log

Radius

Tools

New Terminal

MetaROUTER

Make Supout.rif

Manual

Exit

Interface List

Interface Ethernet EoIP Tunnel IP Tunnel VLAN VRRP Bonding



Find

	Name	Type	L2 MTU	Tx	Rx	Tx Pac...	Rx Pac...	Tx Drops	Rx Drops	Tx Errors	Rx Errors
R	UniFi-IPTV	Bridge	1522	0 bps	8.7 Mbps	0	805	0	0	0	0
R	UniFi-Internet	PPPoE Client		1362 bps	48.7 kbps	4	6	0	0	0	0
R	ether1-gateway	Ethernet	1526	2.3 kbps	8.9 Mbps	4	811	0	0	0	0
R	vlan.500	VLAN	1522	2.3 kbps	49.5 kbps	4	6	0	0	0	0
R	vlan.600	VLAN	1522	0 bps	8.7 Mbps	0	805	0	0	0	0
R	ether2-local-m...	Ethernet	1524	114.9 kbps	5.4 kbps	13	9	0	0	0	0
S	ether3-local-sl...	Ethernet	1524	0 bps	0 bps	0	0	0	0	0	0
S	ether4-local-sl...	Ethernet	1524	0 bps	0 bps	0	0	0	0	0	0
R	ether5-local-sl...	Ethernet	1524	8.8 Mbps	0 bps	805	0	0	0	0	0

9 items

