This tutorial will demonstrate how to set up the radios.



Figure 1. Old Radio

Figure 2. New Radio

You need 2 radios to telecommunicate OCU with Uomo.

Radio need PoE. The Ethernet cable level must be higher than CAT 5e. (e.g., CAT 6)

Radio connecting to Uomo doesn't need PoE injector.

Radio connecting with OCU should be connected with the PoE injector.

One Ethernet cable from OCU must go to LAN part in the PoE injector.

One Ethernet cable from radio must go to PoE part in the PoE injector.

After connecting light will beep and 10~20 seconds later light will beep one more time.

It means booted after 2 times of beeping.

After 2 radios are booted, they'll recognize each other.

## Troubleshooting

If the radios are not working, run 'Winbox' to solve it.

## I. Radio for Uomo

When you first run 'Winbox' you'll see this window.

🔘 MikroTik	WinBox Loader v2.2.18	—		<
Connect To:	D4:CA:6D:0D:62:BE		Connect	
	admin	_		
Password:	Keen Password		Save	
	Secure Mode		Remove	
	Load Previous Session		Tools	
Note:	Uomo			
Address 🗠	User Note			

1. Click 🛄 button

🔘 MikroTik	WinBox Loader v2.2.1	18 — 🗆	×			
Connect To:	D4:CA:6D:0D:62:BE	Co	nnect			
	MAC Address	IP Address	Identity	Versi	Board Name	
Password:	D4:CA:6D:0D:6 D4:CA:6D:0D:6	192.168.200 192.168.200.2	Vomo MikroTik	6.12 6.12	RB Metal 9 RB Metal 9	
Note:						
Address						

- 2. Click 'MAC Address' or 'IP Address'.
- 3. Click 'Connect' button.

					<ul> <li>Inde Passw</li> </ul>
alck Set	CPE T Quick	Set			
lerfaces	Inte		Configuration		
reless	W AN MAC Address:	Darca (KD) (ID) (K2) (RE	Mode:	C Router @ Bridge	
idge	LAN MAC Address:	Dar Arth ID 62 AFF	Belden		
ър	Cret mile roomeest	and the second	Address Acquisition:	C Automatic @ Static	
witch	- Wireless		IP Address:	192, 168, 200, 10	
esh	Status:	connected to ess	Netmask:	255, 255, 255, 0 (/24)	Ŧ
PLO N	AP MAC:	D4:CA:6010D:67:EB	Gateway:	r	······
uting h	Network Name:	MikroTik	DNS Servers:		4
istem	Tx/Hx Signal Strength:	-85/~70 d8m	0.10 00.1010.	Bridge All LAN Ports	
IRLING	Tx/Rx CCQ:	10/12 %			
les	Signal To Noise:	42 dB	- System -	Data a Th	
9	Wireless Protocol:	802, 11	Houser Identity.	[MB/D LK	
adius					Check For Updates
ols h	Ry Signal: -70 dB		Password:		
ew Terminal	Tx Signal: -85 dB		Confirm Password:		
etaROUTER	P	Discount			
artition		Disconnect			Reset Configuration
ake Supout,rif					
anual					
dt .					
				Wind	iows 정품 인승

- 4. Click 'Quick Set' button in the left.
- 5. Check mode is 'CPE' in the top

- Configuration	
Mode:	C Router © Bridge
– Bridge –	
Address Acquisition:	C Automatic 💿 Static
IP Address:	192, 168, 200, 10
Netmask:	255, 255, 255, 0 (/24)
Gateway:	
DNS Servers:	<b>↓</b>
	Bridge All LAN Ports
– System –	
Router Identity:	MikroTik
	Check For Updates
Password:	
Confirm Password:	
	Reset Configuration

- 6. In the Configuration tap check 'Bridge' mode.
- 7. In the Bridge tap check 'Static' mode.
- 8. In the Bridge tap put 'IP Address' '192.168.200.10'

– Info ————	
WLAN MAC Address:	D4:CA:6D:0D:62:BF
LAN MAC Address:	D4:CA:6D:0D:62:BE
– Wireless ————	
Status:	connected to ess
AP MAC:	D4:CA:6D:0D:67:EB
Network Name:	MikroTik
Tx/Rx Signal Strength:	-86/-70 dBm
Tx/Rx CCQ:	8/13 %
Signal To Noise:	42 dB
Wireless Protocol:	802,11
Rx Signal: -70 dB Tx Signal: -86 dB	Disconnect

9. In the 'Wireless' tap you can see if radios are interconnected.

## II. Radio for OCU

When you first run 'Winbox' you'll see this window.

Connect To: D4:CA:6D:0D:62:BE Co admin Password: S Keep Password Secure Mode Re Load Previous Session	ave
admin       Password:       Image: Keep Password       Image: Keep Password	Save
Password: S Keep Password Re Secure Mode Re Load Previous Session Ta	ave move
Keep Password      Secure Mode      Load Previous Session	emove
Secure Mode	move
Load Previous Session	
,	ols
Note: Uomo	
Address 🛆 User Note	

1. Click 🔜 button

NikroTik	WinBox Loader v2.2.1	8 —	×			
Connect To:	D4:CA:6D:0D:62:BE	Co	nnect			
	MAC Address	IP Address	Identity	Versi	Board Name	
Password:	D4:CA:6D:0D:6 D4:CA:6D:0D:6	192.168.200 192.168.200.2	Uomo MikroTik	6.12 6.12	RB Metal 9 RB Metal 9	
Note:						
Address 🛆						

- 2. Click 'MAC Address' or 'IP Address'.
- 3. Click 'Connect' button.

					U INCOVA
ck Set	Home AP 🛛 🐨 Oulck Set				
faces	Winless		Internet		
less	Network Name: MikroTik	•	Address Acquisition:	C Automatic C PPPoE @ Static	
ge	Fragmeneut 912	I MH+	IP Address:	192, 168, 200, 2	
	Pandr 201a D/C/N	[*] [*]	Netmask:	255, 255, 255, 0 (/24)	
tch	Country in country and	•	Gateway:	192, 168, 200, 1	
sh	Country, Induction Party Sec		DNS Servers:		14
P	Ilea Access List (ACL)				
.5			MAC Address:	D4:CA:6D:00:62:BE	
ing r	Security: WPA. WPA2			Firewall Bouter	
tem r	- Guest Wireless Network			<ul> <li>Discovery</li> </ul>	
ues	Guest Network:	•	<ul> <li>Local Network</li> </ul>		
	Windows Climits		IP Address:	192, 168, 200, 2	
	- Writess Clerks		Netmask:	255, 255, 255, 0 (/24)	
e h	MAC Address / III ACL Last IP Optime Signal Stell	•		DHCP Server	
Terminal				NAT DUP-D	
ROUTER					
tion			- System		
e Supaut,rif			Router Identity:	ocu	
ual					Check For Updates
			Descounds		
			Caster Deserved		
			Confirm Password:		
	Sianal Stranath: -24 dD				Reset Configuration
	Orginal Soleliget: - re ob				
		Copy To ACL Remove From ACL			
					Windows 정품 인증

- 4. Click 'Quick Set' button in the left.
- 5. Check the mode is 'Home AP' or 'PTP AP Bridge' in the top.

– Internet –		
Address Acquisition:	n: O Automatic O PPPoE 💿 Static	
IP Address:	s: 192, 168, 200, 2	
Netmask:	k: [255,255,255,0 (/24)	Ŧ
Gateway:	y: 192, 168, 200, 1	
DNS Servers:	s:	\$
MAC Address:	s: D4:CA:6D:0D:62:BE	
	✓ Firewall Router	
	✓ Discovery	
– Local Network ———		
IP Address:	s: 192, 168, 200, 2	
Netmask:	k: [255,255,255,0 (/24)	Ŧ
	DHCP Server	
	🗌 NAT	
	UPnP	
– System –		
Router Identity:	y: OCU	
	Che	ck For Updates
Password:	d:	
Confirm Password:	d:	
	Rese	et Configuration

- 6. In the 'Internet' tap check 'Static'.
- 7. In the 'Internet' tap put '192.168.200.2' in the 'IP Address'
- 8. In the 'Internet' tap put '192.168.200.1' in the 'Gateway'

9. In the 'Local Network' tap put '192.168.200.2' in the 'IP Address'

admin@D4:CA:6D:0	ID:62:8E (MikroTik) - WinBox v6.12 on R8 Metal 9HPn (mipsbe)	-	0 X
Safe Mode		✓ Hide Pass	swords 📕 🖻
here a contract and the contract of the contra	Home AP T Ouick Set		
im Interfaces	- Wireless	- Internet	OK
1 Wreless	Network Name: Mikro Tik	Address Acquisition: C Automatic C PPPoE & Static	Cancel
Bridge	Frequency: 912	IP Address: [192,168,200,2	Apply
R PPP	Band: 2GHz-B/G/N	Netmask: 255, 255, 0 (/24)	
Switch	Country: no_country_set	Gateway: 152, 168, 200, 1	
IN ID N	MAC Address: [D4:CA:50:00:52:8F	DNS Servers:	
2 MPLS D	Use Access List (ACL)		
2 Bouting	Sacuritar II WDA II WDA2	PRIC AUDINS (DECEMBER )	
⊚ System It	George Intra Intra	Discovery	
Cueues	Guest Wireless Network	Level Based	
Files	Guest Network:	Local remote	
E Log	- Wireless Clients	Metmodel 202 22 22 22 0 / 20	
🧟 Radius	MAC Address / In ACL Last IP Uptime Signal Stren	Premiesk- cost cost cost of (24)	
🔀 Teols 🗈 🗎		NAT	
📰 New Terminal		UPnP	
MetaROUTER		- System	
Partition		Bouter Identity: OCU	
🛄 Make Supout,ri	f .	Check For Underson	
Manual		Circle for optimise	
Exit		Password:	
		Confirm Password:	
	Signal Strength: -74 dB	Reset Configuration	
	Conu To 4CL Bernove From 4CL		
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8			
×			
S		Windows 정품 인증	
ar c			
9			
2			
	L Duick Set		

10. In the left you can check whether radios are interconnected.

## III. Cannot connect to radio using Winbox.

In this case you should reset the radio.

There's reset button the bottom.



Click reset button using sharp stick before insert Ethernet cable.

Insert Ethernet cable while click the reset button.

First light will beep and start to blink.

After 8 seconds, stop clicking the reset button.

If you succeeded, now you can connect to the radio using 'Winbox' tool.

Default IP is '192.168.88.1'