



MikroLine - MUM 2013

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- MikroTik Certified Training Partner (2009)
- PPPPTK Yogyakarta

Wireless Advance Channel

Wireless Advance Channel

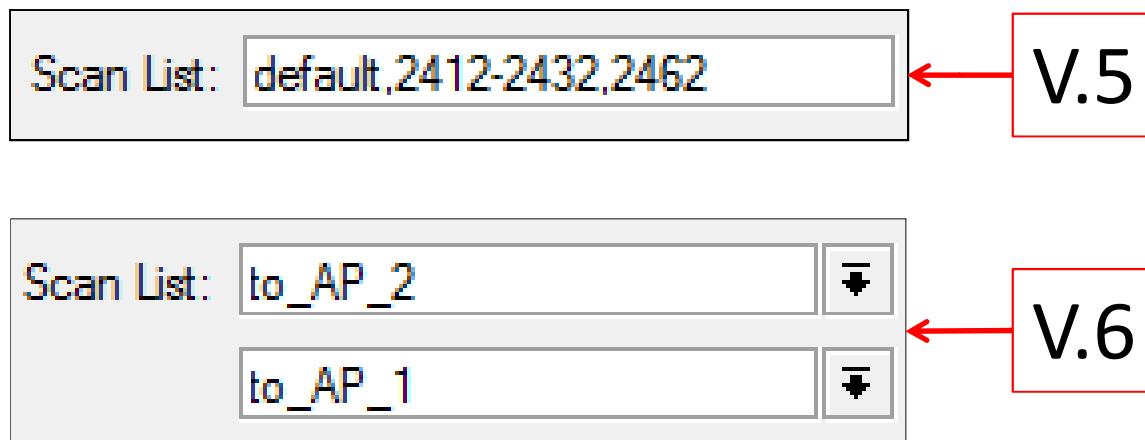
- RouterOS v6
- Atheros AR92xx
- Frekuensi 2192-2734 MHz dan 4800-6100 MHz

Wireless Advance Channel

- Pembedaan frekuensi 0,5 MHz
- Rentang channel 2,5-30 MHz, tahapan 0,5MHz

Wireless Advance Channel

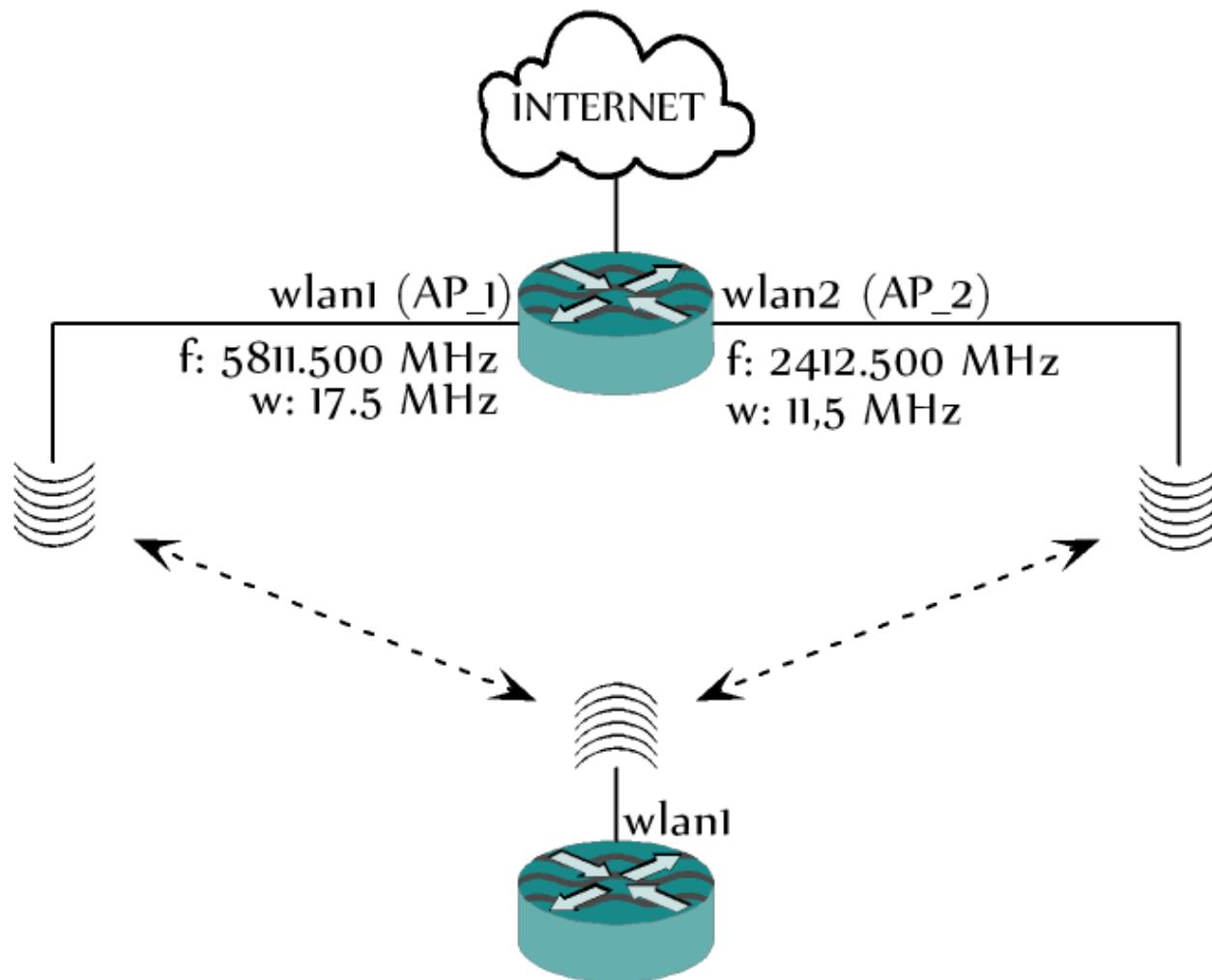
- Fitur custom 'scan-list'



Wireless Advance Channel

- Variasi lebar channel, keleluasaan pengaturan throughput, sinyal strength
- Peningkatan security, station tidak akan menemukan AP jika frekuensi/channel width berbeda

Wireless Advance Channel



Wireless Advance Channel (AP1)

Wireless Tables

Interfaces Nstreme Dual Access List Registration Connect List Security Profiles **Channels**

+ 

#	List	Name	Frequency (MHz)	Width (MHz)	Band	Extension Channel
0	Akses_Poin	ch_AP_1	5811.500	17.500	5GHz-A	none

Wireless Channel <ch_AP_1>

List: Akses_Poin
Name: ch_AP_1
Frequency: 5811.500
Width: 17.500
Band: 5GHz-A

Interface <wlan1>

General Wireless HT WDS Nstreme

Mode: ap bridge
Band: 2GHz-B/G
Channel Width: 20MHz
Frequency: ch_AP_1
SSID: MikroTik
Scan List: default

MikroLine -

Wireless Advance Channel (AP2)

Wireless Tables

Interfaces Nstreme Dual Access List Registration Connect List Security Profiles **Channels**

+ 

#	List	Name	Frequency (MHz)	Width (MHz)	Band	Extension Channel
0	Akses_Poin	ch_AP_1	5811.500	17.500	5GHz-A	none
1	Akses_Poin	ch_AP_2	2411.500	11.500	2GHz-B/G	none

Wireless Channel <ch_AP_2>

List: Akses_Poin
Name: ch_AP_2
Frequency: 2412.500
Width: 11.500
Band: 2GHz-B/G

Interface <wlan2>

General Wireless HT WDS Nstreme

Mode: ap bridge
Band: 5GHz-A
Channel Width: 20MHz
Frequency: ch_AP_2
SSID: MikroTik
Scan List: default

MikroLine -

Wireless Advance Channel(Station)

Wireless Tables

Interfaces Nstreme Dual Access List Registration Connect List Security Profiles **Channels**

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#	List	Name	Frequency (MHz)	Width (MHz)	Band	Extension Channel
0	Kien	to_AP_1	5811.500	17.500	5GHz-A	none
1	Kien	to_AP_2	2412.500	11.500	2GHz-B/G	none

Wireless Channel <to_AP_1>

List: Kien 

Name: to_AP_1

Frequency: 5811.500 MHz

Width: 17.500 MHz

Band: 5GHz-A 

Wireless Channel <to_AP_2>

List: Kien 

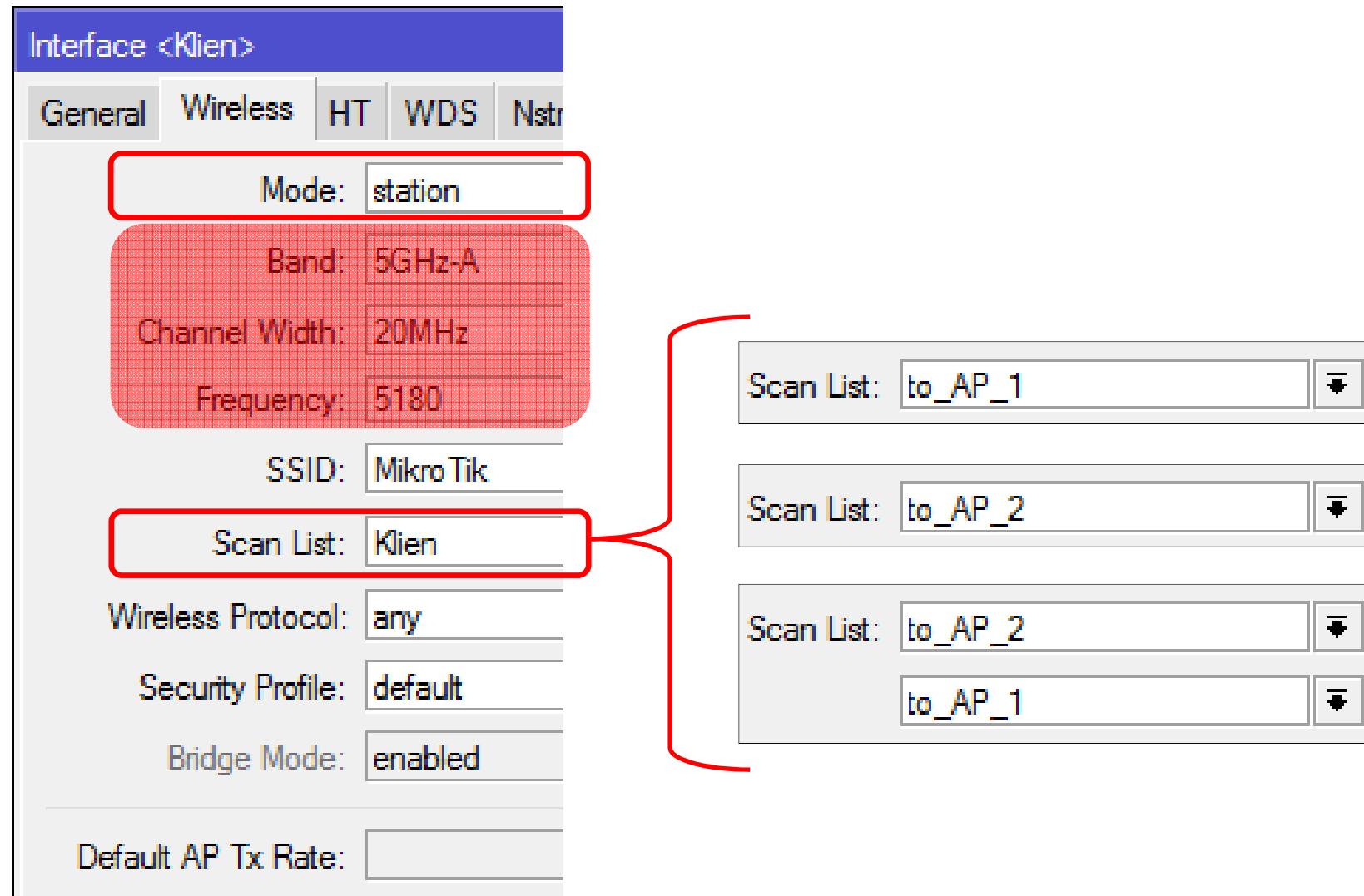
Name: to_AP_2

Frequency: 2412.500 MHz

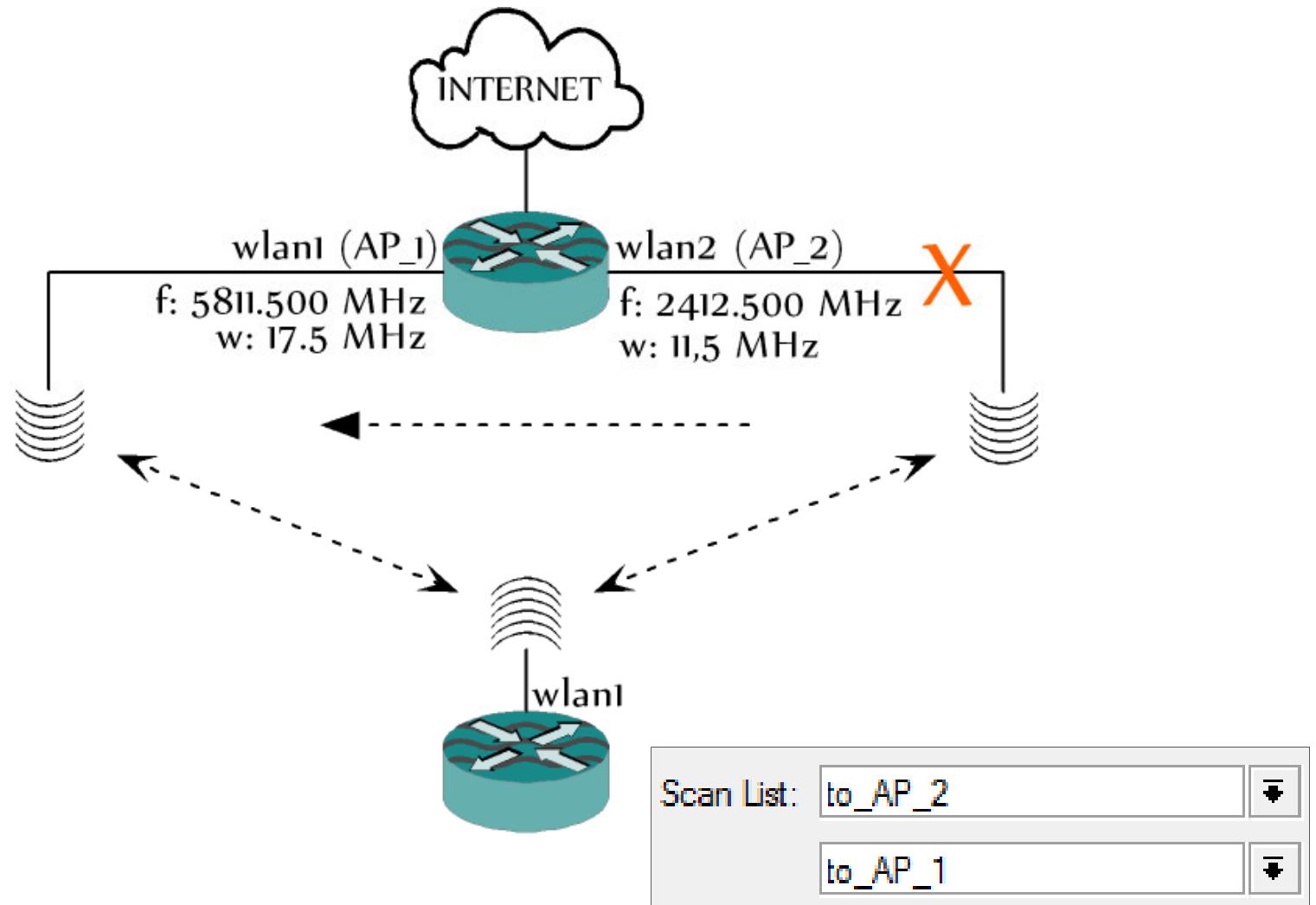
Width: 11.500 MHz

Band: 2GHz-B/G 

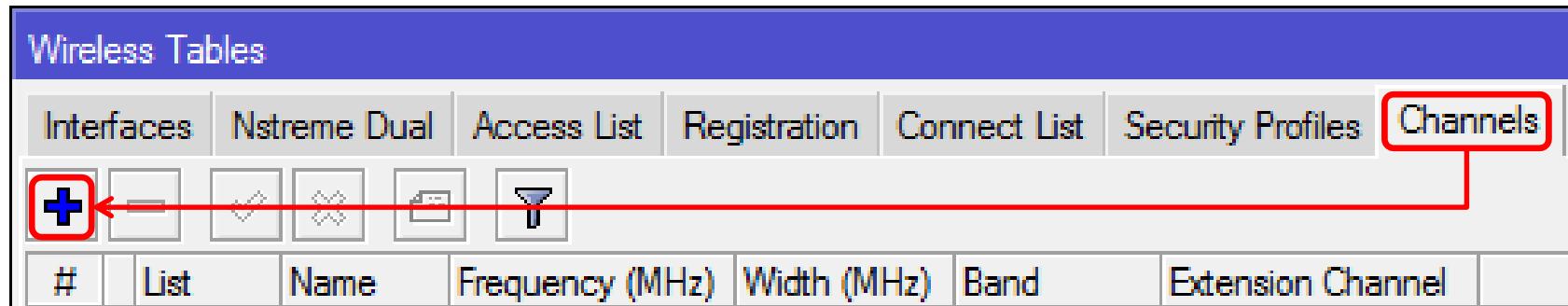
Wireless Advance Channel(Station)



Wireless Advance Channel



Upgrade License Advance Channel



RouterOS WinBox Error

Couldn't add New Wireless Channel - license does not allow non-standard channel width (6)

OK

Upgrade License Advance Channel

License	
Software ID:	839Q-R8GQ
Upgradable To:	v7x
Level:	4
Features:	<input type="text"/>
Expires In:	<input type="text"/>

For already created software keys

- all keys **or** try search
- replacement key (0)
- request key from another account

If you are using a key that is not on your account, you can request it for your own use, export the key from your router, and upload it here, the key will then appear in a new virtual folder on your account, while still staying on the owners account, you will have full permissions to upgrade this key

Exported file: **No file selected.**

Or

Software ID: **839Q-R8GQ** (RouterBOARD only)

Request Key

Upgrade License Advance Channel

Key found!

Please confirm that you are using this key and that you want to have it on your account

OK **Cancel**

Process successful!

You can now find your key in folder '[mamad4web-qatotwh](#)'

Return To Main Menu

For already created software keys

- all keys **or** try search
- replacement key (0)
- request key from another account

My Key Folders

- root (9 keys)
 - [mamad4web-qatotwh \(1 keys\)](#)
 - [valens-gatotwh \(7 keys\)](#)

Advance Channel

My Keys

Folder: **mamad4web-gatotwh** Search

Select all:

Soft ID	Key	Status	Invoice	Level	Issued	Board	Note
839Q-R8GQ	-----BEGIN MIKROTIK SOFTWARE KEY----- k4Pgh4UNn1OeMjgSlxMWz+K2RhJNWvDZQRcwkG+eYZ Vfp+gHoUGHfL+upqXSGuGlacSVzDE+KpbRCguIPA== -----END MIKROTIK SOFTWARE KEY-----	Paid		WISP AP (Level 4)	2013-03-07	RouterBOARD	

- Already upgraded keys

Upgrade

Upgrade License Advance Channel

1

Upgrade Key

Soft-ID: 839Q-R8GQ



Custom frequency select \$0.00

Total:\$00.00

[Previous](#)

[Next](#)

2

Payment form

Level:

WISP AP (Level 4)

Features:

Custom frequency select

Total Price:

\$0

[Take Key](#)

[Previous](#)

Upgrade License Advance Channel

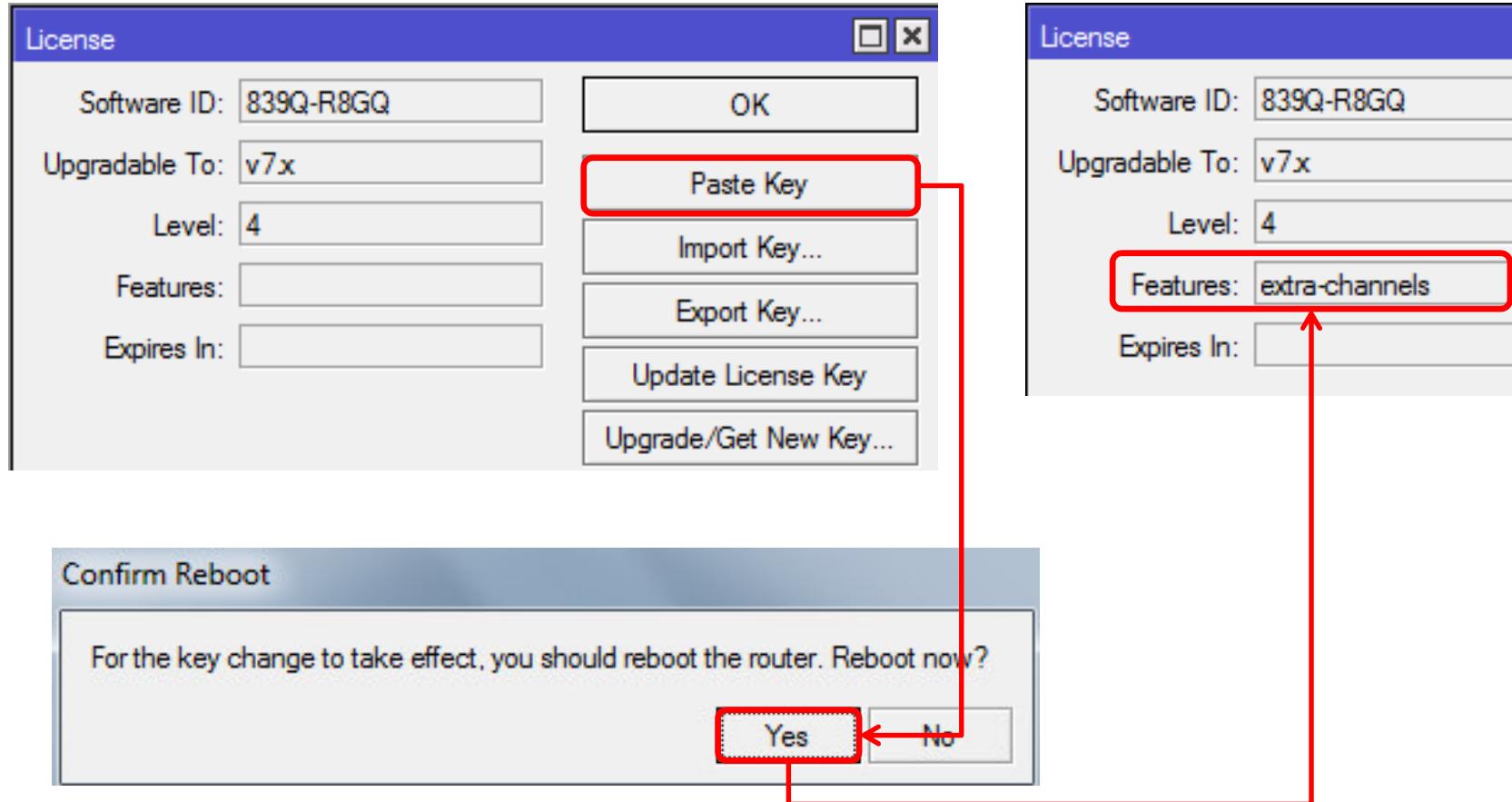
Issued licences

Successfully issued licenses

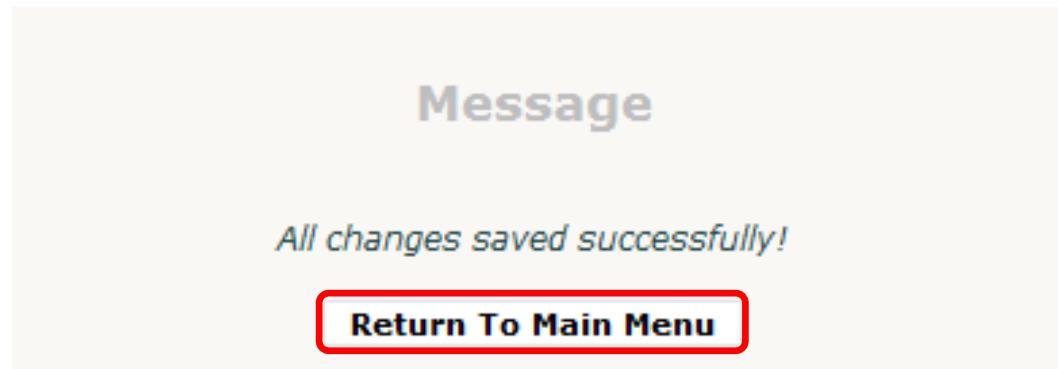
	Soft ID	Key	Note
<input checked="" type="checkbox"/>	839Q-R8GQ (root)	-----BEGIN MIKROTIK SOFTWARE KEY----- y8O6u3UCrXC0gmcimwuBd5hRFBo2X4NhIjevkwq3tmj u0YREkBeVbVgATBjow91wvQLZGUBbsgtDX6e2ZL... -----END MIKROTIK SOFTWARE KEY-----	Copy Select All

Save Changes and Finish

Upgrade License Advance Channel



Upgrade License Advance Channel



Terima kasih

www.mikroline.com/mum