Default configurations

All MikroTik devices come with some kind of default configuration. There are several different configurations depending on board type:

- CPE Router;
- LTE CPE AP router;
- AP Router (single or dual-band);
- PTP Bridge (AP or CPE);
- WISP Bridge (AP in ap_bridge mode);
- Switch;
- IP Only;
- CAP.

You can run the command `/system default-configuration print` to see exact applied default configuration commands.

CPE Router

In this type of configurations, the router is configured as a wireless client device. WAN interface is a **Wireless** interface. WAN port has configured DHCP client, is protected by IP firewall and MAC discovery/connection is disabled.

List of routers using this type of configuration:

- RB 711,911,912,921,922 - with level3 license
- SXT
- QRT
- SEXTANT
- LHG
- LDF
- DISC
- Groove
- Metal

LTE CPE AP router

This configuration type is applied to routers that have both LTE and wireless interfaces. LTE interface is considered a WAN port protected by firewall and MAC discovery/connection disabled. IP address on WAN port is acquired automatically. Wireless is configured as an access point and bridged with all available Ethernet ports.

- wAP LTE Kit
- SXT LTE
- LtAP 4G kit
- LtAP LTE kit

AP Router

This type of configuration is applied to home access point routers to be used straight out of the box without additional configuration (except router passwords and wireless keys)

First Ethernet is always configured as WAN port (protected by a firewall, enabled DHCP client and disabled MAC connection/discovery). Other Ethernet ports and wireless interfaces are added to the local LAN bridge with 192.168.88.1/24 address set and configured DHCP server. In the case of dual-band routers, one wireless is configured as 5 GHz access point and other as 2.4 GHz access point.

List of routers using this type of configuration:

- RB 450,751,850,951,953,2011,3011,4011
- hEX,PowerBox
- mAP
- wAP,wAP R (without LTE card)
- hAP
- cAP
- OmniTIK
- CRS series with wireless interface

PTP Bridge

Bridged Ethernet with a wireless interface. Default IP address 192.168.88.1/24 is set on the bridge interface. There are two possible options - as CPE and as AP. For CPE wireless interface is set in "station-bridge" mode, for AP "bridge" mode is used.

List of routers using this type of configuration:

- DynaDish - as CPE
- Wireless Wire kit
- wAP 60G - with level3 license

WISP Bridge

The configuration is the same as PTP Bridge in AP mode, except that wireless mode is set to ap_bridge for PTMP setups. The router can be accessed directly using MAC address. If the device is connected to the network with enabled DHCP server, configured DHCP client configured on the bridge interface will get the IP address, that can be used to access the router.

List of routers using this type of configuration:

- RB 911,912,921,922 - with Level4 license
- Groove A, RB 711 A
- BaseBox, NetBox
- mANTBox, NetMetal
- wAP 60G AP - with level4 license
- LtAP

Switch

This configuration utilizes switch chip features to configure a basic switch. All ethernet ports are added to switch group and default IP address 192.168.88.1 /24 is set on master port.

List of routers using this type of configuration:

- FiberBox
- CRS without wireless interface

IP Only

When no specific configuration is found, IP address 192.168.88.1/24 is set on ether1, or combo1, or sfp1.

List of routers using this type of configuration:

- RB 411,433,435,493,800,M11,M33,1100
- CCR

CAP

This type of configuration is used when a device needs to be used as a wireless client device controlled by CAPsMAN.

When CAP default configuration is loaded, ether1 is considered a management port with DHCP client configured. All other Ethernet interfaces are bridged and wlan1 is set to be managed by CAPsMAN.

To load CAP configuration refer to Reset Button manual.