

# RouterBOARD hAP ac

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## Quick Setup Guide and Warranty Information

The hAP is a simple home wireless access point. It is configured out of the box, you can simply plug in your internet cable and start using wireless internet. We recommend you to set up a password to secure your device, follow these steps

## Connecting

1. Connect your Internet cable to port 1, and local network PCs to ports 2-5
2. Set your computer IP configuration to *automatic* (DHCP)
3. Wireless “access point” mode is enabled by default, connect to the wireless network “MikroTik”. Log into your router and configure a the Wireless password and router password to secure your wireless network and access to the router
4. Default IP address from the local network is 192.168.88.1, open this address in your web browser to start configuration. The username is **admin** and there is **no password**
5. The Ether5 port supports PoE output for powering other RouterBOARD devices. The port has auto detection feature, so you can connect Laptops and other non-PoE devices without damaging them. The PoE on Ether5 outputs approximately 2V below input voltage, and supports up to 0.7A (So provided 24V PSU will provide 22V/0.7A output to the Ether5 PoE port).

## Powering

The board accepts powering from the power jack or from the first Ethernet port (Passive PoE):

direct-input power jack (5.5mm outside and 2mm inside, female, pin positive plug)

accepts 11-57V DC

first Ethernet port accepts passive Power over Ethernet accepts 11-57V DC (compensate for loss on cable, so more than 12V recommended)

The power consumption under maximum load can reach 5W

## Booting process

Initial connection has to be done via the Ethernet cable. Open **192.168.88.1** in your web browser. **The username is admin** and there is no password. In case IP connection is not available, Winbox can be used to connect to the MAC address of the device. More information here: [http://wiki.mikrotik.com/wiki/First\\_time\\_startup](http://wiki.mikrotik.com/wiki/First_time_startup) In case you wish to boot the device from network, for example to use MikroTik Netinstall, hold the RESET button of the device when starting it until the LED light turns off, and unit will start to look for Netinstall servers.

## Extension Slots and Ports

Five individual 10/100/1000 Gigabit Ethernet ports, supporting automatic cross/straight cable correction (Auto MDI/X), so you can use either straight or cross-over cables for connecting to other network devices.

Integrated Wireless 2.4GHz and 5GHz 802.11a/b/g/n/ac, simultaneous triple band radio with onboard antennas, max gain 2dBi

Third chain of each band can have the antenna changed to a different one, there are two uFL connectors inside the case, each has a small antenna connected. You can unplug these antennas, and change the third chain to your own antenna. In most situations this is not required, so the connector is not easily accessible or marked.





