

# hAP be<sup>3</sup> Media



## hAP be<sup>3</sup> Media - MA53UG+HbeH

A powerful Wi-Fi 7 home router and media hub combining triple-band wireless, five 2.5G Ethernet ports, built-in Matter/Thread smart home support, and a quad-core ARM CPU for containers, storage, and advanced networking.

### Triple-band 2x2 MIMO Wi-Fi 7.

The hAP be<sup>3</sup> Media delivers true Wi-Fi 7 performance across the 2.4, 5, and 6 GHz bands. Expect higher throughput, lower latency, improved security, and better spectral efficiency. The wide 6 GHz band offers more clean spectrum, helping reduce congestion in busy environments.

Also, hAP be<sup>3</sup> Media supports Wi-Fi 7 Multi-Link Operation (MLO) in TR-MLMR (AP mode).

Whether you are running a multi-device home, a home lab, workstations, VR headsets, NAS backups, cloud sync, or high-resolution media streaming, everything can run simultaneously without competing for airtime. More bands mean more capacity, smoother performance, and a wireless experience that finally keeps up with modern workloads.

- 2.4 GHz antenna gain: 4 dBi
- 5 GHz antenna gain: 7.5 dBi
- 6 GHz antenna gain: 8 dBi

### 2.5 Gigabit Ethernet on all ports

That's right – no more bottlenecks! Ultra-fast ISP uplink, NAS servers, workstations – you can have it all!

### A modern home media center

With USB-C, two USB-A ports, and an microSD card slot, hAP be<sup>3</sup> Media becomes the heart of your local media storage. Use flash storage for backups, photos, home surveillance footage or a private family cloud.

Self-hosted password managers, documents and services – that is the way in 2026, if you care about privacy and security. Store automation data and container workloads without relying on external servers. Everything stays fast, local, and **fully under your control**. Also, with the MikroTik BackToHome app and the improved File share functionality in WinBox, you can share large files without worrying about expired links, delays or privacy.

### Matter matters: smart home integration has never been easier

With Wi-Fi 7, Bluetooth 5.4, and RouterOS v7, hAP be<sup>3</sup> Media provides a solid foundation for modern smart homes. A built-in Thread radio and full container support allow users to deploy Matter-over-Thread home automation solutions that remain local, private, and fully customizable.

### Impressive quad-core performance for container-heavy, creative workflows

Powered by a modern 1.5 GHz quad core CPU and built on an efficient ARM64 architecture, hAP be<sup>3</sup> Media is ready for far more than traditional networking. Containers, local dashboards, scripting, complex firewall rules, encryption, multiple VPNs, BGP and advanced routing all run smoothly on a single, compact device. This is performance you can rely on today, and capacity that will stay ahead of your everyday needs for years to come.

And if you think containers are complicated – think again! We've included a simple one-click setup page in WinBox where you can enable the desired container apps.

From visualizing network topology and hosting lightweight websites to running custom dashboards, security tools or even experimental local AI assistants, containers open the door to a whole new set of possibilities.

As always, the full feature set of hAP be<sup>3</sup> Media is available to you without any subscriptions or paywalls. You buy it – you own it, that's a MikroTik guarantee!


## Powering

- Number of DC inputs: 2 (DC jack, PoE-IN).
- PoE-in input Voltage: 24-57 V.
- DC jack input Voltage: 24-57 V.
- Power adapter nominal voltage 24 V.
- Power adapter nominal current 1.5 A.
- Max power consumption (without attachments) 20 W.
- Max power consumption 29 W.

## Setup

- Ensure your Internet Service Provider (ISP) allows hardware changes and automatically assigns an IP address;
- Connect the ISP cable to the Ethernet1 port;
- Connect the device to the power source;
- Connect to the device through any of the ports, excluding Ethernet1, or the wireless network "MikroTik-..." (ensure to check the wireless passwords on the sticker); **multiple configuration methods are available to ensure accessibility**;
- Establish a connection using a mobile application. Alternatively, use WebFig in a web browser or the "WinBox" configuration tool at <https://mt.lv/WinBox>;
- Start configuration within the chosen tool, using the default IP address 192.168.88.1. If the IP address is unavailable, use WinBox and choose the "Neighbors" tab to find the device;
- Proceed to connect using the MAC address. The username is "admin", and there is no password (or, for some models, check user and wireless passwords on the sticker);
- Click the "Check for updates" button and update RouterOS to the latest version;
- For a manual update of the device, visit [mikrotik.com](https://mikrotik.com), select your model, and locate the required packages in the "Downloads" section;
- Upload downloaded packages to the WebFig or WinBox "Files" menu and reboot the device;
- By upgrading your RouterOS software to the latest version, you can ensure optimal performance, stability, and security updates;
- In the "QuickSet" menu set up the following: Choose your country, to apply country regulation settings;
- Set up your wireless network password in the left field;
- Set up your router password in the bottom field.

## Configuration

Full RouterOS documentation is located here: <https://mt.lv/help> 

The device comes pre-configured as a router: the WAN port (Ethernet1) is protected by a firewall and runs DHCP, while all other Ethernet ports and the wireless interface are part of the LAN bridge.

To set up the device, connect the ISP cable to the Ethernet1 port and plug the unit into a power source. Then access the device using any Ethernet port except Ethernet1, or join the default Wi-Fi network named "MikroTik-...". The Wi-Fi password is printed on the sticker attached to the device.

You can connect via the mobile app, WebFig in a web browser, or the WinBox tool (download from <https://mt.lv/WinBox>). Start configuration with the default IP address 192.168.88.1; if that address is unreachable, open WinBox, go to the "Neighbors" tab, and discover the device.

For recovery, the firmware can be reinstalled over the network using the [Reset button](#).

## Extension Slots and Ports

Parameter	Value
Product Code	MA53UG+HbeH
Architecture	ARM 64bit
CPU	IPQ-5322
CPU Core Count	4
CPU Threads Count	4
CPU Frequency	Up to 1.5 GHz
Switch Chip Model	QCA8386
RAM	2 GB
Storage	512 MB NAND
2.5G Ethernet Ports	5
USB Ports	3 × USB 3.0 Type-A (max 1.5 A)
Wireless 2.4 GHz	574 Mbit/s, 2 chains, 802.11b/g/n/ax/be, 4 dBi, IPQ-5322, Wi-Fi 6
Wireless 5 GHz	1200 Mbit/s, 2 chains, 802.11a/n/ac/ax/be, 7.5 dBi, QCM-8083, Wi-Fi 6
Wireless 6 GHz	2 chains, 802.11ax/be, 8 dBi, QXM-8086, Wi-Fi 6
WiFi Class	AX1800
Operating System	RouterOS v7
RouterOS License	Level 6
Operating Temperature	-30 °C to +50 °C
Cooling	Passive
DC Inputs	2 (DC jack, PoE-in)
DC Jack Voltage	24–57 V
PoE-in Standard	802.3af/at
PoE-in Voltage	24–57 V
Max Power Consumption	29 W
Max Power (no attachments)	20 W
Certifications	CE, FCC, IC, EAC, RoHS
Ingress Protection	IP20
CPU Temperature Monitor	Yes
Bluetooth	5.4

## Buttons and jumpers

The reset button has three functions:

- Hold this button during boot time until the green LED light starts flashing, release the button to reset RouterOS configuration.
- Keep holding the reset button until the LED turns solid, then release it to enable CAP mode. The device will then start searching for a CAPsMAN server.
- To reinstall RouterOS using the [Netinstall](#) utility, enter the device into BOOTP mode. There are two types of booters available: the regular booter and the backup booter.

- Regular booter - Power on the device, wait 1-2 seconds, then press and hold the Reset button. Wait until the System LED is blinking green, then turns solid "On". When the green LED turns "Off", release the Reset button - the device will enter BOOTP mode.
- Backup booter – Power off the device, press and hold the Reset button, then power it on. Wait until the System LED is blinking green, then solid "On". When the green LED turns "Off", release the Reset button - the device will enter BOOTP mode using the backup booter.

Regardless of the above option used, the system will load the backup RouterBOOT loader if the button is pressed before power is applied to the device. Useful for RouterBOOT debugging and recovery.

## Operating system support

The device supports RouterOS software version 7 or above. The specific factory-installed version number is indicated in the RouterOS menu /system resource. Other operating systems have not been tested.



*Information contained here is subject to change. Please visit the product page on [www.mikrotik.com](http://www.mikrotik.com) for the most up to date version of this document.*