NETTRIXX PRO multimedia

HIVE 6
ACCES POINT BOX

Art.nr. 650-000 / 001

Powerful Wi-Fi, installed in no time..

With the NETTRIXX HIVE 6, you can configure your network quickly and efficiently. This guide walks you step by step toward a stable, reliable, and optimally performing connection.

INSTALLATION GUIDE

Connecting with quality!

1/
Getting started with your **Hive 6**

Welcome

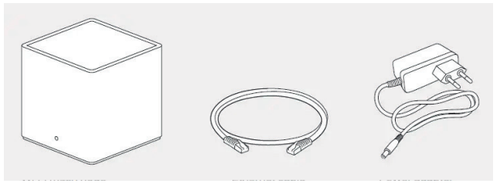
Welcome to the HIVE 6 Quick Start Guide! This guide is designed to help you set up and optimize your HIVE 6 device effortlessly. Whether you're **connecting your device as a simple access point, expanding your network with additional nodes, or configuring advanced gateway settings**, we've got you covered.

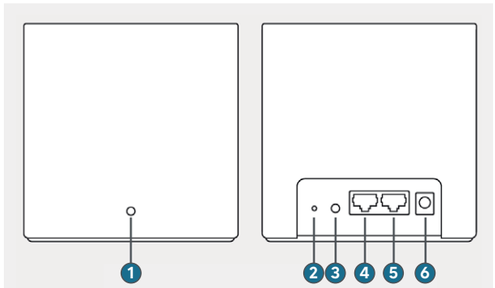
To ensure a smooth setup experience, **please follow the step-by-step instructions carefully**. Each section is tailored to different needs, from basic installation to troubleshooting common issues. By the end of this guide, your HIVE 6 device will be fully operational, providing a reliable and efficient Wi-Fi network for your home or office.

If you're ready, let's begin by setting up your HIVE 6 for the best performance!

What's in the box

- Wi-Fi mesh mode
- Ethernet cable
- Power adapter





1. LED-indicator
2. Reset button
3. Sync button
4. WAN/LAN-port*
5. LAN-port
6. Power connector

* If the node is used as a primary node, the left LAN port wil act as WAN.
For the additional nodes, both ports will act as LAN ports.

LED-statusindicatie

GREEN - SOLID
OK.

GREEN - FLASHING
Booting and connecting to the network.

BLUE - SOLID
New device is ready to pair.

BLUE - FLASHING
Pairing or upgrading, please do not turn off during this time

RED - SOLID
Device is not connected properly or an error is detected.

RED - FLASHING
Device has a weak signal, please place the node closer to another node to ensure optimal performance

2/
Simple Access Point Setup
(IInitial Setup)

Step 1

Power on the device and connect the WAN port to the home network.

- The HIVE 6 will boot up and, after approximately 3 minutes, display a solid BLUE LED. After 2 minutes, the device will reboot and, after a total of 7 minutes, display a solid GREEN LED.

Step 2

Placement for optimal Wi-Fi

- Position the HIVE 6 in an area that ensures strong Wi-Fi coverage for your home or office.

Step 3

Connect to your HIVE 6

- Use the QR code or the Wi-Fi password located on the device label to connect to your router/node.

3/ Adding Additional HIVE 6 Nodes

Step 1

Temporary Placement
Place the new Mesh node near the main HIVE 6 node (1–5 meters apart in the same room), or connect it using a cable (refer to Step 4 for wired pairing).

Step 2:

Power Up
Plug the new node into a power outlet.

Step 2:

Wireless Pairing
Press the **sync button (3)** on both the master node and the new node.

Wait for both nodes to display a **solid GREEN LED**, indicating successful pairing.

You can now disconnect the new node and move it to its final location and reconnect it to power. We recommend you place the additional node where there is still coverage from the main node to ensure good communication between the master and secondary node.

Check the LED status:

- **Solid GREEN:** The signal is strong.
- **Flashing or solid RED:** Move the node closer to the master node for better performance.

Stap 4:

Pairing with a LAN Cable (Optional)
Connect the new node to the same network as the master node using an Ethernet cable (either directly to the node or through a switch).

Wait for both the master and new node LEDs to turn **solid GREEN**.

That's it! Enjoy enhanced Wi-Fi coverage with your new HIVE 6 node.

4/ Advanced Gateway Setup

Option 1

Switching to Gateway Mode (L3)
If the HIVE 6 is already set up as an access point:

- The device will restart and must be connected to the network via the **WAN por**t, directly to the router.
- To enable Gateway Mode (L3), press and hold the SYNC button (3) for 30 seconds.
- The **HIVE 6 master node** can connect wirelessly to HIVE 6 slave nodes (refer to Chapter 3).
- Alternatively, the HIVE 6 can connect via a cable to a LAN switch, which can also connect to the HIVE 6 slave nodes (refer to Chapter 3).

Option 2

Connecting to a Bridge or ONT (Public IP)

Ensure the HIVE 6 is reset to its default settings and displays a **solid BLUE LED**.

Connect the **WAN port** directly to the bridge or ONT. The HIVE 6 will switch to Gateway Mode (L3) and restart.

After approximately 2 minutes, the device will restart, and the LED will turn **solid GREEN**.

5/ Troubleshooting Guide (F.A.Q.)

Differences Between Access Point Mode and Gateway Mode

Access Point Mode (L2): The HIVE 6 extends your existing network by creating a wireless connection. It relies on your main router for IP address management and internet access.

Gateway Mode (L3): The HIVE 6 acts as the primary router, managing IP addresses and connecting directly to your modem, bridge, or ONT for internet access.

Choose the appropriate mode based on your situation:

- **Want to extend your existing network?**
  Use Access Point mode..
- **Want to create a new network?**
  Use Gateway mode.

Troubleshooting

Master HIVE 6 Node Not Showing a Solid GREEN LED

Action: Verify the cable connection to your network/ router.

If the issue persists, reset the device to its default settings by pressing and holding the reset button (2) for 10 seconds.

HIVE 6 Node Blinking BLUE

Action: This indicates that an update is in progress.

Please wait for the device to complete the update and display a solid GREEN LED.

Note that the device may restart during the update, please do not disconnect the device during this process.

Master Node Showing Solid GREEN, Slave Node Showing Solid BLUE After EasyMesh Pairing

Action: Reset the slave node to its default settings by holding the reset button (2) for 10 seconds.

Place the master and slave nodes 1–5 meters apart, in clear view of each other, and pair them again.

Wait until both nodes show a solid GREEN LED.

Slave Node Shows Solid GREEN After Pairing but Turns Solid RED or Alternates Between GREEN and RED When Moved

Action: Move the slave node closer to the master node and wait for it to stabilize with a solid GREEN LED.

For persistent issues, reset the device(s) to their default settings by holding the reset button (2) for 10 seconds.

6/ Graphical User Interface (GUI)

Note: : The GUI enables advanced device configuration. This chapter provides an overview of the main functions. For additional details, consult online resources about the “LUCI GUI” in “OpenWRT.”

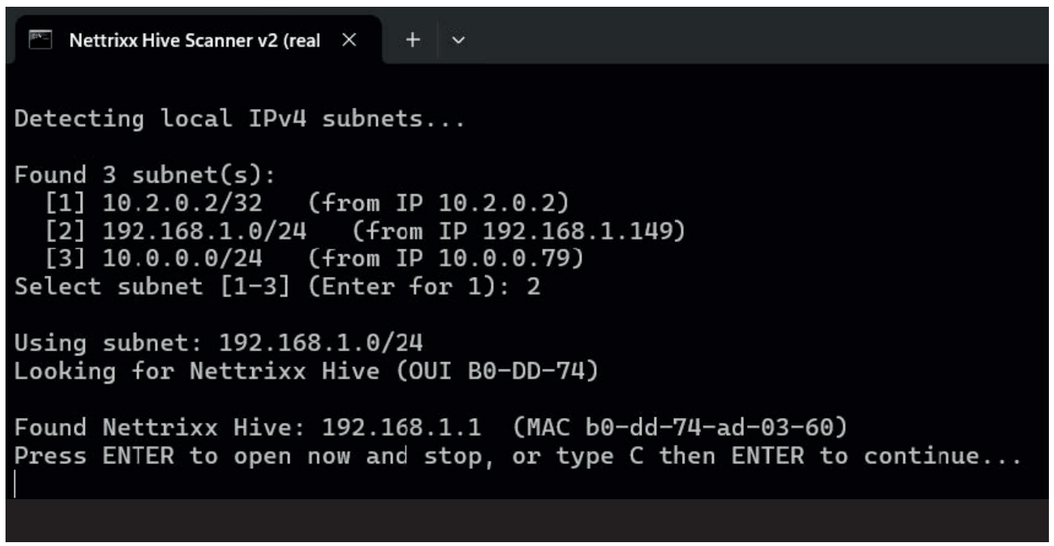
Accessing the GUI:

To access the GUI, you can use **Advanced IP Scanner** or our **scan tool v1.2.bat**, available for download on the Nettrixx website. This allows you to easily detect the device.

The tool will identify the configured IP interfaces on your computer. Select the interface to which the Hive is connected. The tool will then perform a scan and locate the device. Once the device is found, press any key and a browser window will automatically open with the device’s GUI.

You can also manually open a browser window and enter the device’s IP address. A login window will then appear.

Log in using the username admin and the Wi-Fi password, both of which can be found on the label on the device.



Dashboard

The dashboard is the main screen and displays key information about the device’s status, including:

- **Network connection:**
  Displays the IP address.
- **Device information:**
  Provides system details.
- **Wireless connections:**
  Shows connected devices.

For more detailed information, click the **Status tab** and select **Overview**.

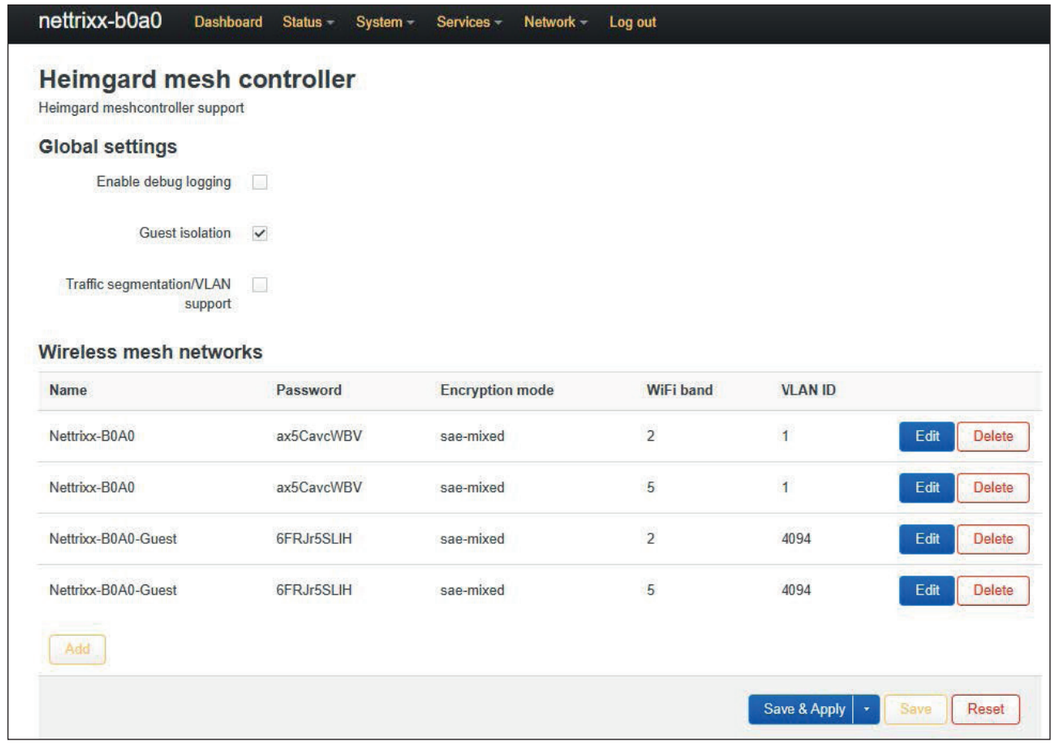
Wi-Fi Settings (SSID)

To manage Wi-Fi settings::

1. Click on the **Services** tab and select **Mesh Controller**.
2. A list of all configured Wi-Fi networks will be displayed..
3. Click the Edit button to change the following info on the main network:
   a. SSID-name
   b. Password
   c. Encryption mode
   d. Wi-Fi band
4. Click **Save**, followed by **Save and Apply**.

Note: If connected wirelessly, you may lose connection temporarily.

Important: Do not change the VLAN ID.

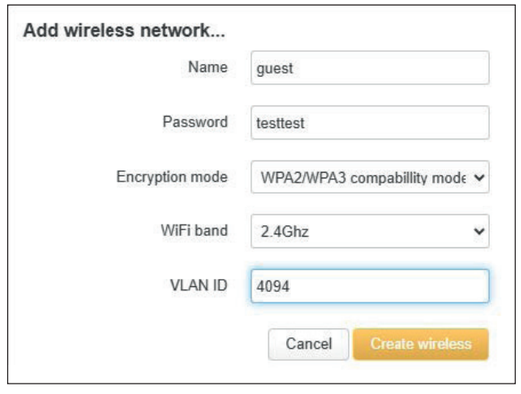


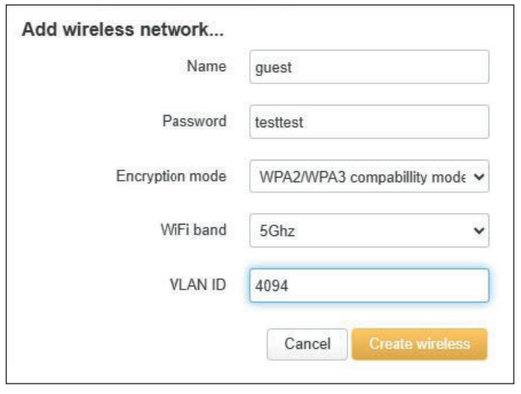
Configuring the Guest Wi-Fi Network (SSID)

To enable and configure a guest Wi-Fi network:

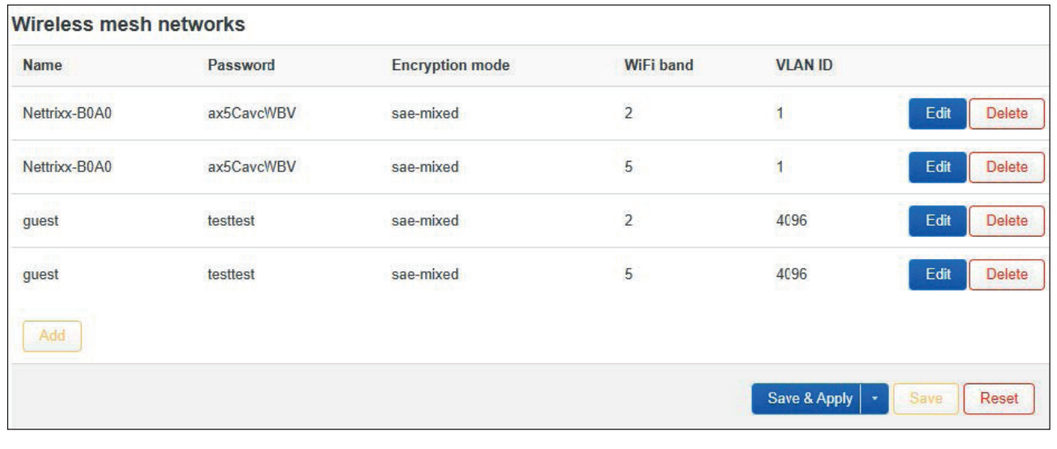
1. Remove the existing guest networks by clicking **delete** on both 2.4 and5 Ghz followed by **save and apply**.

2. Click Add and create new guest networks on 2.4 and 5 GHz with **VLAN 4094**, each time followed by Create Wireless.





2. Click **save & apply**.



Connect with quality

Simple and reliable networking solutions for optimal connectivity.

Congratulations!

You have successfully set up and configured your HIVE 6 device. Whether you've deployed it as an access point, expanded your network with additional nodes, or enabled advanced gateway settings, your HIVE 6 is now optimized for reliable and efficient Wi-Fi coverage.

If you encounter any issues, refer to the Troubleshooting Guide for quick solutions. For further customization, explore the Graphical User Interface (GUI) to fine-tune your network settings.

Thank you for choosing us. Enjoy seamless connectivity and enhanced network performance!

NETTRIXX PRO multimedia

Nettrixx Multimedia

Industriepark Kolmen 1225
3570 Alken
+32 (0)11 49 68 11
info@nettrixx.be
www.nettrixx.be