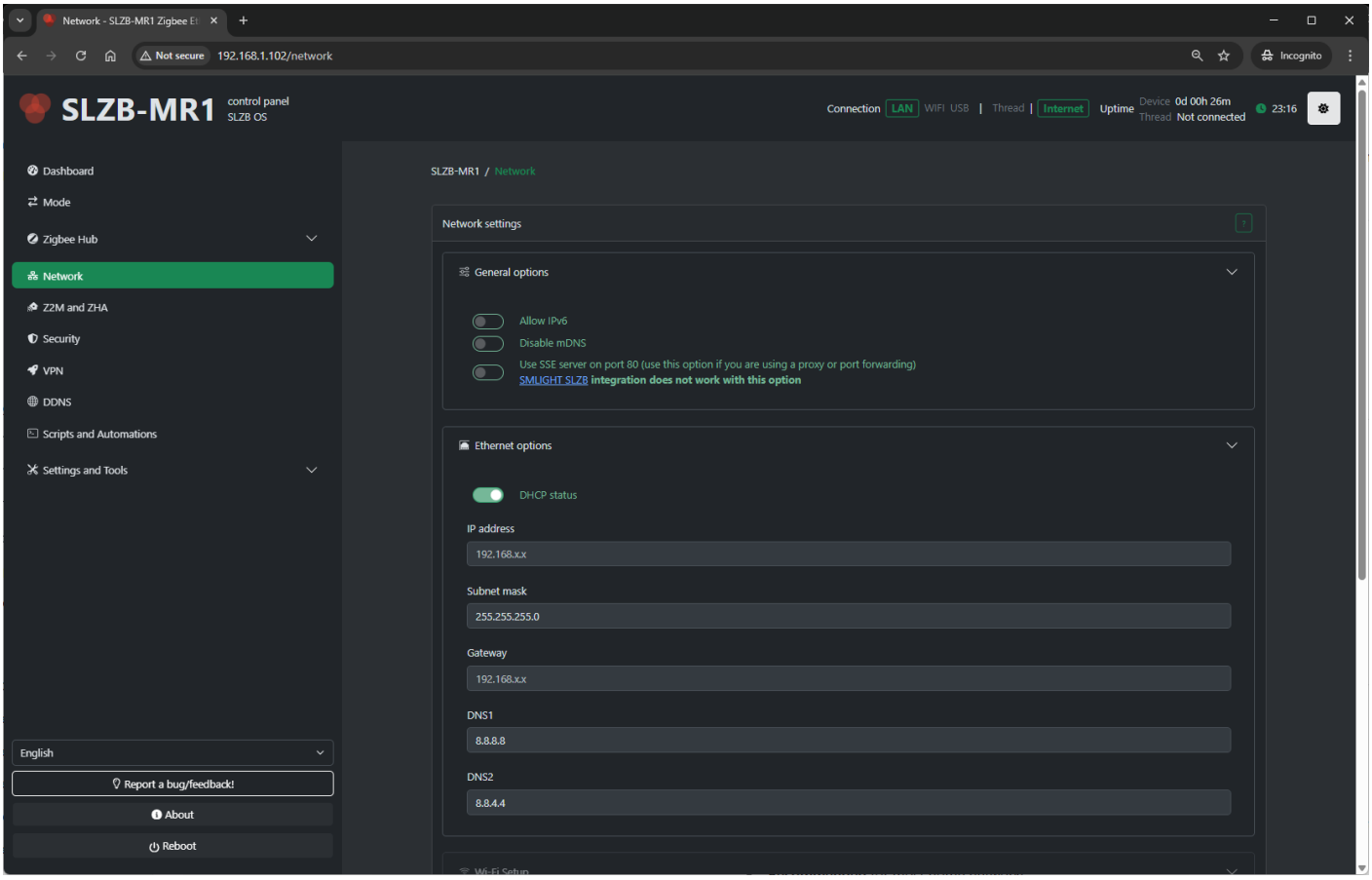
Network

5. Network Settings

The **Network** page in SLZB-OS manages how your device connects to your local network and, if required, to the internet.
The available sections may vary depending on the selected **Mode** and hardware capabilities (Ethernet, Wi-Fi).



5.1 Information Block

At the top of the page you may see an **info notice** if certain network interfaces are inactive.
Example:

> *“Wi-Fi page is inactive because Wi-Fi mode is not activated.”*
> To enable it, change the device’s mode to one that supports Wi-Fi (see **Mode** page).

5.2 Connection Overview

A visual diagram shows the main connections:

- **LAN** – Wired Ethernet connection.
- **Wi-Fi** – Wireless interface (if enabled).

5.3 LAN / Ethernet Settings

Ethernet is the primary connection method for most SLZB devices.

5.3.1 DHCP (Dynamic Host Configuration Protocol)

- **Enable** to have the SLZB device automatically receive network settings (IP, subnet mask, gateway) from your router.
- **Recommended** for most home networks.

5.3.2 Static IP Configuration

If DHCP is disabled, manually configure:

1. **IP Address** – The fixed address the device will use. Must be unique on your network.
2. **Subnet Mask** – Defines which IP addresses are considered local (e.g., `255.255.255.0`).
3. **Gateway** – The IP address of your router or gateway to access external networks.
4. **DNS Server(s)** – Optional; used to resolve domain names. Defaults to your gateway if not set.

>

> **Tip:** Use a static IP if you run integrations that need a consistent address (e.g., Home Assistant with static MQTT host).

5.4 Wi-Fi Settings

(Visible only when Wi-Fi mode is active)

5.4.1 Scan for Wi-Fi Networks

- Searches for available networks.
- Displays SSID, signal strength, and security type.

5.4.2 Connect to Network

- **SSID** – Chosen from scan or entered manually.
- **Password** – Required for secured networks.
- **Security Type** – WPA/WPA2, WPA3 (depending on hardware/firmware).

5.4.3 IP Configuration

- Same as Ethernet — can use **DHCP** or set **Static IP**, **Subnet**, **Gateway**, **DNS**.

5.5 Applying Changes

1. Adjust the settings for the interface you are using (Ethernet/Wi-Fi).
2. Click **Save** or **Apply**.
3. The device may briefly lose connectivity while settings are applied.
4. Verify new settings on the **Dashboard** or via your router.

5.6 Troubleshooting

- **No connection after static IP set** – Ensure the IP, subnet, and gateway match your network’s addressing scheme.
- **Wi-Fi not available** – Check mode selection; only certain modes enable Wi-Fi.
- **PoE not powering device** – Confirm your switch/injector supports the correct PoE standard for your SLZB model.
- **Can’t reach device** – Use a network scanner or check router’s DHCP leases to find its IP.

Revision #1
Created 2025-08-14 20:16:15 UTC by Support3
Updated 2025-08-14 20:18:27 UTC by Support3