About SLZB-OS

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1.1 Overview

SLZB-OS is the official firmware platform developed by **SMLIGHT** for its line of Zigbee and multi-radio Ethernet/USB/PoE adapters. It provides a web-based management interface that allows you to configure, monitor, and control your device from any browser on your local network — and, if desired, from remote locations via VPN or DDNS.
The system is designed for stability, performance, and seamless integration with modern smart home ecosystems such as **Zigbee2MQTT**, **Home Assistant (ZHA)**, and other MQTT-capable platforms.

1.2 Supported Devices

SLZB-OS runs on a variety of SMLIGHT hardware, including but not limited to:

- **SLZB-06x series:** SLZB-06, SLZB-06M, SLZB-06P7, SLZB-06P10, SLZB-06MG24, SLZB-06MG26
- **SLZB-MRx series:** SLZB-MR1, SLZB-MR2, SLZB-MR3, SLZB-MR4, SLZB-MRW10
- **SLZB-MRx series:** SLZB-MR1U
- **SLZB-USB-to-LAN adapter**
- **SLZB-UltimaX series**: SLZB-Ultima1, SLZB-Ultima2, SLZB-Ultima3, SLZB-Ultima4,
- **Future-ready models:** Support is regularly expanded via firmware updates.

> **Note:** Certain functions may differ depending on your device model and hardware capabilities (e.g., availability of PoE, dual-radio features, or USB passthrough).

1.3 Key Features

- **Zigbee network management** – Integrated Zigbee hub with support for popular coordinators and firmware.
- **Multiple connectivity options** – Ethernet, USB, Wi-Fi (where hardware supports it), and PoE.
- **Direct integration** – Works with Zigbee2MQTT and ZHA without additional bridges.

- **Advanced features** – Wi-Fi bridge, Bluetooth Proxy (ESPHome mode), dual-radio support, VPN, DDNS, automation scripts, and more.
- **31 interface languages** – making it accessible to users worldwide.
- **Advanced networking** – VPN client/server, DDNS support, static/DHCP IP configuration.
- **Custom automation** – Built-in scripts and triggers for device behaviors.
- **Security** – User authentication, password management, and remote access controls.
- **Diagnostics & logging** – View detailed logs and debug information for troubleshooting.
- **Firmware flexibility** – Easy updates via local file upload or online sources.

1.4 Accessing the Interface

1. Connect your SLZB device to your network via Ethernet, PoE, or USB (depending on model and mode).
2. Determine its IP address using your router's DHCP client list or a network scanning tool.
3. Open a web browser and enter the device's IP address in the format:

   `http://<device-ip-address>`
4. The SLZB-OS dashboard will load, showing system status and navigation menus.

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