

# Changelog SLZB-OS

## ? v3.3.3.dev7 - Release Notes

### Improvements

- Improved firmware rollback mechanics after OTA update. The device will roll back to the previous firmware if a crash occurs within 30 seconds after the update.
- Increased tcp keep alive timeout to prevent socket drops on unstable networks.
- New BLE page and BLE proxy for U line and Ultima devices [documentation](#)
- New BLE Berry module for U line devices [documentation](#)
- All Berry scripts on U line and Ultima devices now use PSRAM by default and no longer crash when trying to access the file system.
- RAM optimization for U line and Ultima devices.
- Improved deinitialization for "Thread+OTBR running on device" mode.

### Fixes

- Fixed an issue where a user could accidentally copy the text of a crash message even if the crash did not occur.

### Zigbee Hub

- Fixed JSON validation for system\_control topic
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## ? v3.3.3.dev4 - Release Notes

### Improvements

- Added the ability to select a firmware update channel on the "Firmware update" page. After selecting, you will only see firmware of the selected channel in the coordinator interface. As of now, this only applies to the coordinator interface (in Home Assistant, you

can still see notifications about firmware of another channel)

- For coordinators with EFR32 radio modules, an option to clear NVM has been added to the firmware update dialog. This option is enabled by default to prevent problems when migrating between firmwares. You can still uncheck this in the dialog to not clear NVM.
- Automatic updates will now only use stable Zigbee firmware

## Fixes

- Fixed an issue where empty DNS could be assigned in some cases
- Fixed automatic OTA baudrate update issues
- Fixed IEEE read/write functionality for firmware 20260416 of the EFR32 radio module

## Zigbee Hub

- Fixed discovery payload for illuminance cluster
  - Minor improvements to electric valve support
  - Fixed handling of custom MQTT commands for cluster ON/OFF
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## ? v3.3.3.dev1 - Release Notes

### Improvements

- Experimental support for SLZB-OS configuration backup/restore
- Optimized the processing speed of SSE messages
- Added a button to copy the device log
- Added autocomplete for TIMER module
- SUN module redesigned [documentation](#)
- OTBR on device moves from **experimental** to **beta**
- U-series coordinators now store 12x larger device log in PSRAM (50KB vs 4KB)
- (SLZB-Ultima) New "Audio" page and MP3 audio player support!
- (SLZB-Ultima) Added new Berry audio player module [documentation](#)
- (SLZB-Ultima) Added optional argument for number of repetitions for sending IR command for berry IR module [documentation](#)
- (SLZB-Ultima) Improved stability of Z-Wave addon
- (SLZB-Ultima) Improved 4G modem processing
- (SLZB-Ultima) The IR receiver will be disabled while transmitter active
- Added 10s timeout for OTBR startup. If after that the radio module still does not respond - you will see an error on the OTBR page

# Fixes

- Fixed an OS crash that caused OTBR in some cases
- Fixed ZigBee network scanning not working if OTBR is running on radio module 2
- Fixed DNS issues for NAPT bridge mode
- Fixed SPAM in device log when using SMLIGHT SLZB integration

# Zigbee Hub

- Added experimental ZigBee Hub backup functionality
  - Added missing subscriptions to new zHub control topics. Now new topics will work (attribute read request, system\_control)
  - When creating a new random network, only channels 11, 15, 25 will be used
  - Automatic firmware updates of the radio module will be disabled if the Zigbee Hub is active
  - Fixed an issue that caused a ZigBee network start error when the network was actually started
  - Fixed issues with network key comparing
  - Fixed broken Zigbee buttons triggers
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# ? v3.3.1 - Release Notes

## Improvements

- OS will now reboot the EFR32 radios at startup

## Fixes

- Fixed broken static IP config for Trasparent WiFi bridge mode

# Zigbee Hub

- Added attribute read request for MQTT API: [documentation](#)
  - Added new system\_control MQTT API: [documentation](#)
  - Added test converter for "Moes ZS-EUB\_2gang"
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# ? SLZB-OS 3.2.9 - Release Notes

## Fixes

- Fixed Berry Telegram integration
- Fixed boot-loop in WiFi mode when activating OTBR on the device
- Fixed crash when ping is enabled for Wireguard

## Zigbee Hub

- Added a new tab "[Exposes](#)"
  - Fixed crash when saving settings if Zigbee Hub is not enabled
  - Fixed LQI unit warning
  - Fixed Tuya DP sensor update
  - Fixed: ZigBee network always reset when saving settings, even if channel/panId or key was not changed
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# ? SLZB-OS 3.2.8 - Release Notes

## Highlights

- **Integrated [30+ services](#)** for local automatiations, including **WLED, Telegram, Weather, Slack, Wake-on-Lan, MS Teams, E-mail, OpenWRT**, and more.
- **AI is here:** Added AI Assistant to help users write automation scripts more easily. in Beta test. *Requires AI credentials (so far - Anthropic only).* [Watch the quick 4-minute YouTube overview](#) .
- **SLZB-xU devices** can now try a new **experimental mode** with native **OTBR app** running directly on the SLZB-xU device. *Mode is still experimental, and there is reported bug in some installations - the coordinator may become unavailable after some time. Pattern is unknown, that is why still experimental status.*

## Improvements

- Moved Ethernet processing to **Core 0** for better load balancing.
- Optimized the **scripts virtual machine** for better performance.
- For **U devices**, the **BT Proxy** option now links directly to the activation manual.

- IPv6 has been temporarily disabled for rework.
- All localizations except **EN** have been moved to a cloud server to reduce firmware size. On first opening the coordinator interface, the localization will load in the browser if internet access is available. Without internet access, **EN** will be used.

## Fixes

- Fixed crash on "Playground: AI Assistant" page.
- Fixed visibility of "Playground: AI Assistant" and "Scripts Integrations" pages.
- Fixed metadata overflow crashes for older `.gbl` update files.
- **MRW10/10U** now use the **Z-Wave packet parser**, improving socket stability.
- Fixed a crash in the **hard reset handler**.

## Zigbee Hub

- Replaced the **LQI** unit with "**none**".
  - Fixed logging of values for **Tuya DP**.
  - MQTT now sends correct values even for unsupported devices, allowing them to be used in automations.
  - Added support for new Zigbee devices.
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## ? SLZB-OS 3.2.7 - Release Notes

### Highlights

- **Integrated [30+ services](#)** for local automatiations, including **WLED, Telegram, Weather, Slack, Wake-on-Lan, MS Teams, E-mail, OpenWRT**, and more.
- **AI is here:** Added AI Assistant to help users write automation scripts more easily. in Beta test. *Requires AI credentials (so far - Anthropic only).* [Watch the quick 4-minute YouTube overview](#).
- **SLZB-xU devices** can now try a new **experimental mode** with native **OTBR app** running directly on the SLZB-xU device. *Mode is still experimental, and there is reported bug in some installations - the coordinator may become unavailable after some time. Pattern is unknown, that is why still experimental status.*

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## ? SLZB-OS 3.2.6.dev3 - Release Notes (dev)

### ?? Improvements

- SLZB-MRW10 and MRW10U: rewritten socket handling for ZWave to improve stability
- Add Window Covering cluster (0x0102) support to Zigbee Hub mode
- Add Occupancy Sensing cluster (0x0406) support to Zigbee Hub mode
- Added speed 2400 for USB page
- Updated localizations
- Updated datapoint /ha\_sensors
- Added presets for the SLZB-Ultima3 buzzer

### ? Fixes

- Fixed logging and sending Tuya DP data for Zigbee Hub mode
  - Fixed running multiple berry scripts
  - Fixed Wireguard (which was broken in a previous build)
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# ? SLZB-OS 3.2.6.dev2 - Release Notes (dev)

## ? Thread + OTBR running on the device - update

Many users have asked for the ability to set TLVs for this mode via SLZB-OS and now you can do this on [/otbr](#) page!

## ?? Improvements

- New Ambilight effects for [SLZB-Ultima3](#)
- New Berry modules and integrations ([documentation](#))

## ? Fixes

- Fixed Zigbee automatic update ignores speed change in new firmware
  - Fixed a crash in Berry error handler
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# ? SLZB-OS 3.2.6.dev0 - Release Notes (dev)

## ? New: Thread + OTBR running on the device (SLZB-xU only) - evaluation/beta mode.

You can now run **OpenThread Border Router (OTBR) directly on the SLZB device**, instead of running the OTBR add-on/app in Home Assistant.

### Why this could be a no-brainer:

- Home Assistant connects to OTBR via **network REST API**, so you no longer rely on the **Serial-over-IP** link used in *"Thread to external OTBR"* mode.
- This aims to improve reliability of Thread connectivity between Home Assistant and SLZB devices for those, who experiences issues with connectivity.

### Home Assistant setup:

- OTBR REST API is available at **http://device-ip:8080**

### Important notes / limitations:

- **Initial (beta) integration** — may have limitations or unexpected behavior.
- **IPv6 is required** and will be **force-enabled** when this mode is activated.
- "Thread + OTBR running on the device" mode can't work with **"router (standard)" mode for Ethernet ↔ WiFi bridge** and **Zigbee Hub mode**. To activate back these

features, device mode should be other than "Thread + OTBR running on the device".

- **"Transparent" mode for WiFi ↔ Ethernet bridge** is incompatible with "Thread + OTBR running on the device". If you need "Transparent" mode for WiFi ↔ Ethernet bridge - please use any of the previous versions of the SLZB-OS.
- **Availability:** only on **SLZB-xU series**.
- **Alternative:** you can still use **Thread + remote OTBR** mode (USB/Ethernet) if you prefer OTBR running elsewhere.

## ?? Improvements

- Added uptime info for **Socket2** and **Socket3** in **/ha\_sensors**

## ? Fixes

- Fixed a crash in **Zigbee Hub mode** when a received value is larger than expected
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# ? SLZB-OS v3.2.5.dev1 - Release Notes

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## ? New Features & Enhancements

- Zigbee Hub mode: support for Tuya datapoint data writes.  
**!BREACKING CHANGE!** Changed the format of the write topic Zigbee Hub for Tuya  
[Zigbee Hub MQTT API](#)
  - Zigbee Hub mode: Added support for MOES Star Feather (2-key models)
  - Berry: New BUZZER module for Ultima3 [documentation](#)
  - Berry: New BUTTON module [documentation](#)
  - Increased the web server authentication password limit length from 63 to 64 characters
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## ? Fixes & Improvements

- Fixed corrupted date/time in time settings
- Fixed script list reload on error
- Fixed crash when parsing metadata in .gbl files
- Fixed random ISR crash on startup
- Fixed wrong baudrate for CC26XX radio after factory IEEE read

- fixed EFR32 custom firmware flashing issues
  - Fixed LTE add-on start on Ultima3
  - Fixed Blue LED logic on Ultima3
  - Fixed AP delay if SSID and password are empty
  - Fixed memory leak in usb\_list API
  - Fixed web server lockup when option "Disable web server when socket is connected" is active
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## ? SLZB-OS v3.2.4 - Release Notes

The latest version of **SLZB-OS (v3.2.4)** brings improvements to MQTT integration, internal scripting (automations), Zigbee diagnostics, and overall system stability.

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### ? New Features & Enhancements

- Added **MQTT module** support for scripts, so internal automations can send/receive MQTT messages - [View usage examples](#)
  - Introduced **MQTT API support for SLZB-Ultima** - control IR receiver, Transmitter, Buzzer, WS2812 via MQTT (alongside with HTTP control method) - [Read MQTT API docs](#)
  - **MQTT can now be activated independently** of Zigbee Hub
  - Pinned socket tasks to **dedicated core** for improved performance
  - Zigbee channel scanning added for **MR devices** (on Z2M/ZHA page)
  - Display of **USB mode** added for non-U series devices
  - IEEE-related controls disabled for **Thread** or **Zigbee Router** firmware
  - Added **SSE module** for internal scripting
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### ? Fixes & Improvements

- Fixed possible **web server overflows** during reboot waits
- Fixed MQTT discovery crashes in **Zigbee Hub** mode
- Optimized overall **web server performance**
- Fixed incorrect **baudrate info** for radio3 on Ultima
- Fixed **syslog-related crashes**
- Hidden socket statuses for **USB mode on U devices**
- Fixed incorrect display of **Z-W add-on info** on Ultima
- Tuned **serial settings** for improved communication
- Fixed **router reconnect** issue on MR4
- Fixed incorrect baudrate / crash during **.gbl metadata parsing**

- Fixed **radio module OTA updates** in USB mode (U series)
  - Fixed **IEEE read issue** for MR1U
  - Fixed **bs-target display issue** in addons accordion
  - Fixed **socket time/status reporting**
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## ? SLZB-OS v3.2.0 - Release Notes

We're happy to announce the release of **SLZB-OS v3.2.0** - a stability-focused update with new device support, major improvements for U-series USB functionality, and multiple Zigbee Hub reliability enhancements.

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### ? Highlights

- **FULL support of SLZB-Ultima added** - [SLZB-Ultima](#)
  - Improved **USB capabilities for U series** (new alternative driver)
  - Better stability during **OTA updates** and **Zigbee Hub operation**
  - Updated dashboard layout
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### ? New Features

- Added **Full support for the new SLZB-Ultima device** - [Learn more](#)
  - New **alternative USB driver** can be selected on the "**USB**" page (U series)
    - Provides advanced USB capabilities
  - USB passthrough now supports **1200 baud**
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### ? Zigbee Hub Improvements

- Zigbee Hub now includes a **Reset option** if startup fails
  - Zigbee Hub now **stops automatically** when an OTA update is in progress
  - Added missing Zigbee Hub device configurations after reboot
  - Added Zigbee Hub reset option for recovery when startup fails
  - Fixed a Zigbee Hub crash that could occur in some situations on the **U series**
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### ? USB & Passthrough

- Added selectable **new alternative USB driver** on the USB settings page (U series)
  - USB passthrough now supports **1200 baud**
  - Zigbee OTA now working in **USB mode** on U series devices
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## ? Wi-Fi & Network

- Wi-Fi connection now checks **hidden SSIDs** when connecting
  - Fixed rare crash when using Wi-Fi in some cases
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## ?? OTA & System Stability

- Reboot confirmation modal is now shown **only when reboot is actually required**
  - Dashboard layout updated for improved usability
  - Fixed WDT (watchdog timer) triggering during OTA updates in some cases
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## ?? Other Fixes and Improvements

- Fixed Berry VM manager free logic
  - Fixed language cache issues
  - Fixed MR3U EFR32 bootloader issues
  - Fixed wrong IEEE writes after reboot for CC radio modules
  - SLZB-06Mg26U now uses a **separate Zigbee OTA firmware**
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## SLZB-OS v3.0.9

We're excited to release **SLZB-OS v3.0.9**, bringing major improvements to **Zigbee Hub, Thread,** and **network stability**, along with performance boosts, script engine fixes, and a few critical updates.

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## ?? BREAKING CHANGES - ONLY FOR ZIGBEE HUB MODE USERS - NO EFFECT ON ZIGBEE2MQTT OR ZHA USERS!!!

**If you use device as Zigbee coordinator (with Zigbee2MQTT or ZHA) / Thread router - it does not affect you. Again, this change is only for those who use device in a Zigbee Hub**

## Mode.

- **Zigbee Hub Users:** All Zigbee devices must be **re-paired** after this update due to core changes in the Zigbee stack and API.
  - **MQTT Broker Format Changed:**
    - Old format: `'mqtt://example.com'`
    - New format: `'example.com'` (or, IP format: `'127.0.0.1'`)You can now use DNS and DDNS hostnames for your MQTT broker.
  - Updated MQTT API for Zigbee Hub: [View the new MQTT API documentation](#)
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## ? Zigbee Hub Improvements

- Redesigned Zigbee Hub network startup - now significantly faster
- Hub now responds to **Time attribute** and **Identify queries**
- Fixed: Some Zigbee devices not sending reports in Hub mode
- Fixed: Zigbee Hub mistakenly available for EFR32 on MRx devices

## ? MQTT & DDNS Enhancements

- MQTT Broker now accepts plain domain names, not only IP addresses
- "IP Provider" setting for DDNS is now optional
- Fixed DDNS update interval and max value behavior
- Fixed excessive DNS requests from NTP client

## ? Performance & System Stability

- Increased socket task priority for better responsiveness
- Moved secondary tasks on U series to PSRAM for improved memory usage
- Improved Thread stability for U series devices
- Enhanced EFR32x bootloader activation routine
- Improved USB power switch logic on U series
- Fixed second radio status display in web interface header

## ? Berry Script Engine (zHub)

- Improved support for `sendTuyaData()`
- Fixed `readAttr()` not returning correct values

## ? Localization

- Updated and improved UI translations across supported languages

## ? How to Update SLZB?OS

You can update your coordinator using one of the following methods:

- **OTA Update (Recommended):**

Open the SLZB Web UI → Settings and Tools → Firmware updates → Check for updates (SLZB-05)

- **USB Update (Manual Flash):**

Go to [smlight.tech/flasher](https://smlight.tech/flasher), select your model, and follow the flashing instructions.

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