

Zigbee network sniffing guide for SLZB-MRx and SLZB-06Mx adapters

Prerequisites

1. Coordinator

You will need coordinator with **EFR32** radio module from Silicon Labs.

You can use radio module1 on SLZB-MR adapters or single-radio adapters with EFR32 only: SLZB-06M, 06Mg24, 06Mg26 and their U versions.

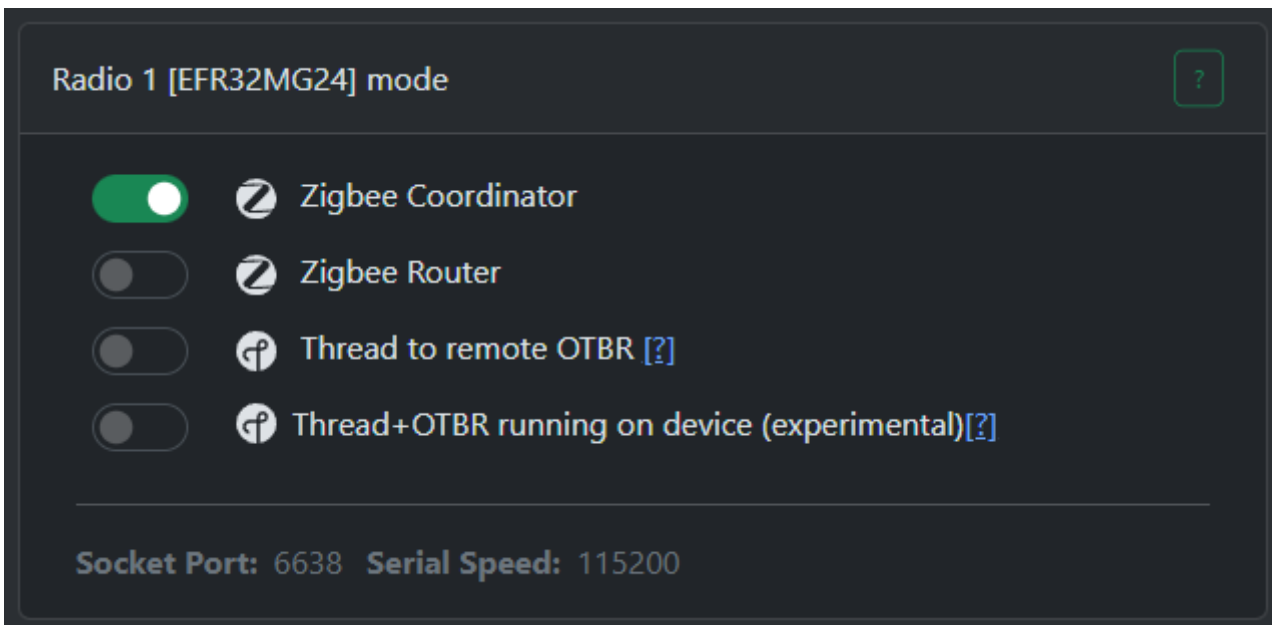
2. Host PC with internet access

Software preparation

1. Coordinator preparation

Go to "Mode" page and select "Zigbee Coordinator". Wait for the update to complete.

Make sure the coordinator radio module is not in use! Stop Z2M/ZHA before moving on to the next steps!



2. Preparing the PC

You must have NodeJS installed. If you don't have it, please download and install it first from this link <https://nodejs.org/en/download/current>

Open CMD or terminal and run the command: `npm install -g ember-zli` and wait for install to complete.

To start configuring the sniffer, run the command: `ember-zli sniff`

```
C:\Users\Tarik2142>ember-zli sniff
[2026-05-11 03:05:08.552] info: cli: Data folder: C:\Users\Tarik2142\ember-zli.
? Adapter connection type
> Serial
TCP ←
↑↓ navigate • select
```

Note the "Data Folder", this is where the capture files will be saved.

Select "TCP"

```
√ Adapter connection type TCP the command ember-zli sniff
? Try to discover adapter? (Y/n) n
```

Answer n

```
√ Adapter connection type TCP the command ember-zli sniff
√ Try to discover adapter? No
? TCP path ('tcp://<host>:<port>') tcp://192.168.1.23:6638
```

Enter the IP and port of your coordinator

```
✓ TCP path ('tcp://<host>:<port>') tcp://192.168.1.23:6638
[2026-05-11 03:13:55.493] info: zh:ember:ezsp: ===== EZSP starting =====
[2026-05-11 03:13:55.494] info: zh:ember:uart:ash: ===== ASH Adapter reset =====
[2026-05-11 03:13:55.503] info: zh:ember:uart:ash: Socket ready
[2026-05-11 03:13:55.503] info: zh:ember:uart:ash: ===== ASH starting =====
[2026-05-11 03:13:57.327] info: zh:ember:uart:ash: ===== ASH connected =====
[2026-05-11 03:13:57.356] info: zh:ember:uart:ash: ===== ASH started =====
[2026-05-11 03:13:57.357] info: zh:ember:ezsp: ===== EZSP started =====
[2026-05-11 03:13:57.385] info: ember: NCP EZSP protocol version (13) lower than Host. Switched.
[2026-05-11 03:13:57.397] info: ember: NCP version: {"ezsp":13,"revision":"7.4.4 [GA]","build":0,"major":7,"minor":4,"patch":4,"special":0,"type":170}
? Menu
> Start sniffing
  Exit
  Enable/disable the network coordinator
↑↓ navigate • Ⓚ select
```

Wait for connection.
Select "Start sniffing"

```
✓ Menu Start sniffing
? Destination (Note: if present, custom handler is always used, regardless of the selected destination)
> Wireshark
  PCAP file
  Log
```

Select "Wireshark" for Wireshark server or select "PCAP file" if if you want to save to a capture file.

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