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## AEOTEC Z-Stick 10 Pro (ZWA060-A)

# AEOTEC Z-Stick 10 Pro USB Adapter Instruction Manual

Model: Z-Stick 10 Pro (ZWA060-A)

Brand: AEOTEC

## 1. INTRODUCTION

The AEOTEC Z-Stick 10 Pro is a versatile USB adapter designed to integrate Zigbee 3.0 and Z-Wave 800 Series devices into your smart home system. This dual-radio universal gateway offers enhanced connectivity and extended range, making it suitable for various home automation platforms such as Home Assistant, Zigbee2MQTT, Z-Wave JS, and Open Z-Wave.

Key features include:

- Dual Radio: Z-Wave Plus Long Range (800 series chip EFR32ZG23) and Zigbee 3.0 (EFR32MG21 chip).
- Extended Range: Up to 1 mile wireless range for Z-Wave Long Range.
- Broad Compatibility: Supports over 8000 smart home devices.
- Cloud-Free Operation: Enables local control on compatible systems.
- Compact Design: Minimizes obstruction of adjacent USB ports.
- Operating System Support: Compatible with Windows 10 and higher, Linux, and OSX.



Image 1: Overview of AEOTEC Z-Stick 10 Pro features and capabilities.

## 2. SAFETY INFORMATION

Please read and follow these safety guidelines to ensure proper operation and prevent damage to the device or

injury:

- Do not expose the device to moisture, extreme temperatures, or direct sunlight.
- Do not attempt to disassemble or modify the device. This will void the warranty and could lead to malfunction or electric shock.
- Use the device only with compatible USB ports and systems.
- Keep the device away from children.
- Ensure proper ventilation around the device during operation.

### **3. PACKAGE CONTENTS**

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The AEOTEC Z-Stick 10 Pro package typically includes:

- 1 x Z-Stick 10 Pro USB Adapter
- 1 x Instruction Manual (this document)

### **4. SETUP**

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#### **4.1 Connecting the Z-Stick 10 Pro**

Insert the Z-Stick 10 Pro into an available USB 2.0 Type A port on your host device (e.g., computer, Raspberry Pi, mini PC). The compact design ensures it does not obstruct adjacent USB ports.

# Build your own Smart Home Hub



Image 2: Z-Stick 10 Pro connected to a laptop.

## 4.2 Driver Installation

The Z-Stick 10 Pro functions as a USB-UART Bridge with an Enhanced COM Port. In most modern operating systems (Windows 10+, Linux, OSX), drivers are typically installed automatically upon connection. If the device is not recognized, you may need to manually install the Silicon Labs CP210x USB to UART Bridge VCP Drivers. These drivers can usually be found on the official Silicon Labs website or the AEOTEC support page.

## 4.3 Software Integration (Home Assistant, Zigbee2MQTT, Z-Wave JS)

The Z-Stick 10 Pro provides two serial ports for its Z-Wave and Zigbee radios. Configuration steps vary depending on your chosen smart home platform:

- **Home Assistant:** For Z-Wave, use the Z-Wave JS integration. For Zigbee, use either the ZHA (Zigbee Home Automation) integration or Zigbee2MQTT. You will need to identify the correct serial port paths for each radio within your Home Assistant configuration.
- **Zigbee2MQTT:** Configure the `serial` port in your Zigbee2MQTT `configuration.yaml` file to point to the Zigbee radio's serial port.
- **Z-Wave JS:** Configure the `port` in your Z-Wave JS server settings to point to the Z-Wave radio's serial port.

**Note for Virtual Machines (VMs) and Docker:** If running your smart home platform in a VM or Docker container, you must configure USB passthrough to ensure the host system correctly exposes the Z-Stick 10 Pro's serial ports

to the guest OS or container. Refer to your virtualization software's documentation for specific instructions on USB device passthrough.



Image 3: Z-Stick 10 Pro with Home Assistant on a Raspberry Pi.

## 5. OPERATING INSTRUCTIONS

### 5.1 Adding Devices (Pairing)

Once the Z-Stick 10 Pro is configured with your smart home platform, you can begin adding Z-Wave and Zigbee devices:

1. Put your smart home platform (e.g., Home Assistant, Zigbee2MQTT, Z-Wave JS UI) into inclusion/pairing mode for the desired protocol (Z-Wave or Zigbee).
2. Follow the manufacturer's instructions for your specific Z-Wave or Zigbee device to put it into pairing mode. This usually involves pressing a button on the device.
3. The device should appear in your smart home platform. Follow the on-screen prompts to name and configure it.



Image 4: Examples of compatible Z-Wave and Zigbee devices.

## 5.2 Network Management

Your smart home platform will provide tools for managing your Z-Wave and Zigbee networks. This includes:

- **Exclusion/Removal:** To remove a device, put your platform into exclusion mode and activate the device's exclusion function.
- **Network Healing/Repair:** Z-Wave networks benefit from periodic network healing to optimize routing.
- **Firmware Updates:** Some platforms allow over-the-air firmware updates for connected devices.

The Z-Stick 10 Pro supports Z-Wave Long Range, which can extend your network's reach significantly. Ensure your Z-Wave devices also support Long Range for optimal performance.



Image 5: Cloud-free operation and Z-Wave Long Range capability.

## 6. MAINTENANCE

### 6.1 Firmware Updates

AEOTEK periodically releases firmware updates for the Z-Stick 10 Pro to improve performance, add features, or address issues. It is recommended to keep your device's firmware updated. Firmware update tools and instructions are typically available on the official AEOTEK support website. Note that firmware updates may require specific procedures for each radio (Z-Wave and Zigbee).

### 6.2 Device Care

To ensure the longevity of your Z-Stick 10 Pro:

- Keep the device clean and free from dust. Use a soft, dry cloth for cleaning.
- Avoid physical impact or dropping the device.
- Store in a cool, dry place when not in use.

## 7. TROUBLESHOOTING

If you encounter issues with your Z-Stick 10 Pro, consider the following:

- **Device Not Recognized:**
  - Ensure the Z-Stick is fully inserted into the USB port.
  - Check if the necessary USB-UART drivers are installed (refer to Section 4.2).
  - If using a VM or Docker, verify USB passthrough is correctly configured.
- **Pairing Issues:**

- Ensure both the Z-Stick's radio and the device are in pairing mode simultaneously.
- Check the distance between the Z-Stick and the device during pairing. Try pairing closer to the adapter.
- Verify the device is compatible with either Z-Wave or Zigbee protocols.

- **Network Instability or Range Issues:**

- Ensure the Z-Stick is not obstructed by metal objects or other electronics that could cause interference.
- Perform a Z-Wave network heal/repair from your smart home platform.
- Consider adding Z-Wave or Zigbee repeater devices to extend network coverage, especially for devices far from the Z-Stick.

- **Z-Wave JS Update Issues:** Some users have reported needing to disable the dongle before updating Z-Wave JS to prevent crashes. If you experience this, temporarily disable the Z-Wave JS integration or stop the Z-Wave JS server before updating.

For more detailed troubleshooting and support, please visit the official AEOTEC support website or community forums for your smart home platform.

## 8. SPECIFICATIONS

<b>Brand</b>	AEOTEC
<b>Model Number</b>	ZWA060-A
<b>Hardware Interface</b>	USB 2.0 Type A
<b>Wireless Protocols</b>	Zigbee 3.0, Z-Wave 800 Series (Z-Wave Plus Long Range)
<b>Compatible Operating Systems</b>	Windows 10 and higher, Linux, OSX
<b>Compatible Devices</b>	Locks, Sensors, Smart Home Devices, Smart Lights, Thermostats (over 8000 devices)
<b>Item Weight</b>	0.03 Kilograms
<b>UPC</b>	810667025649
<b>Manufacturer</b>	Aeotec

# The best out of 2 Smart Home ecosystems.



Image 6: Z-Stick 10 Pro compact design comparison.

## 9. WARRANTY AND SUPPORT

The AEOTEC Z-Stick 10 Pro comes with a manufacturer's warranty. Please refer to the official AEOTEC website for detailed warranty terms and conditions. For technical support, firmware downloads, and additional resources, visit the AEOTEC support portal:

[AEOTEC Support Website](#)

You can also find community support and guides on forums dedicated to Home Assistant, Zigbee2MQTT, and Z-Wave JS.

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