

## Minoston MP31ZD

# Minoston 800 Series Z-Wave Plug Dimmer Smart Plug-in Outlet (MP31ZD) Instruction Manual

Model: MP31ZD

## 1. INTRODUCTION

The Minoston 800 Series Z-Wave Plug Dimmer Smart Plug-in Outlet (MP31ZD) is designed to provide intelligent control over your lighting. This device integrates into your Z-Wave network, allowing for remote dimming, scheduling, and voice control of connected lamps or dimmable LED lights. It features the Z-Wave 800 series chip for enhanced signal coverage and faster communication, along with S2 authenticated security and SmartStart for simplified pairing.

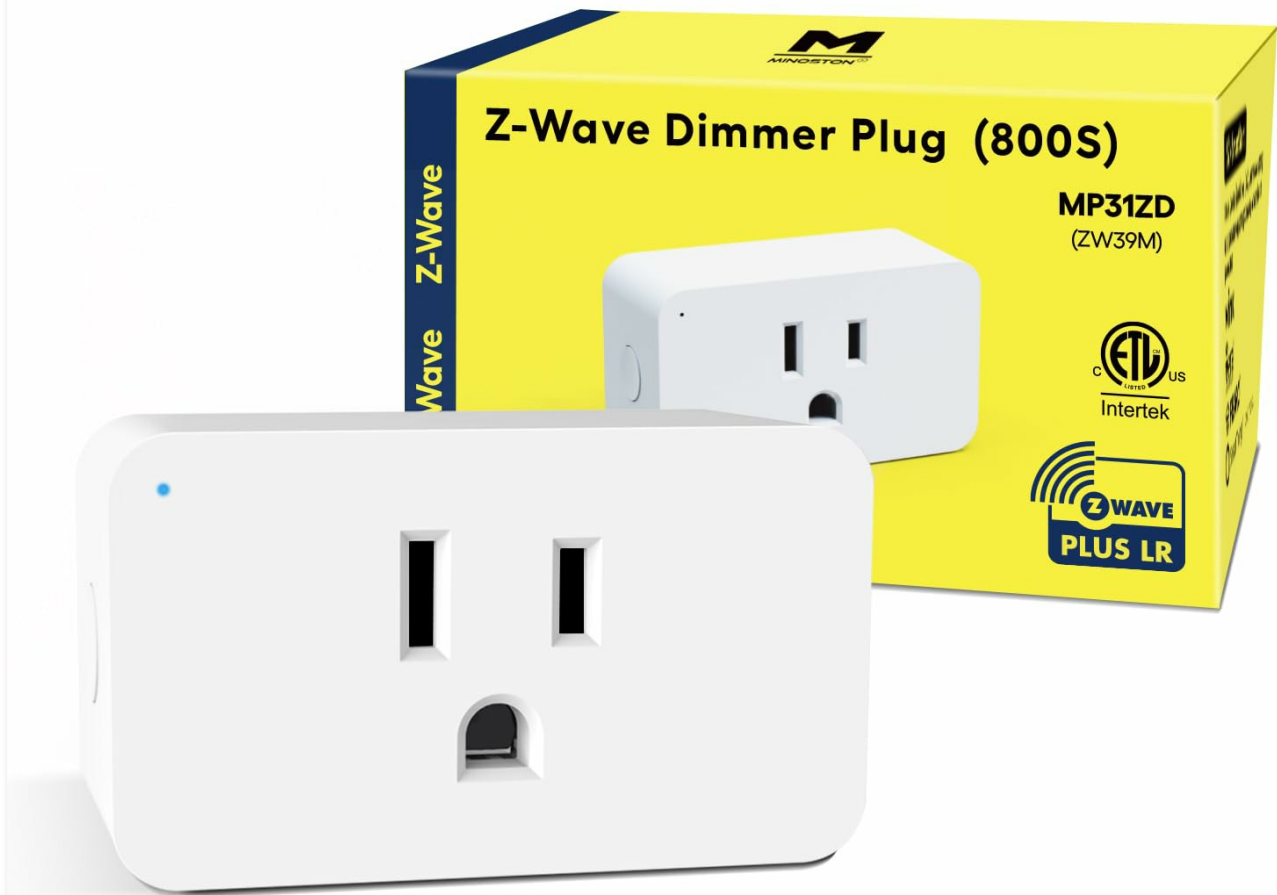


Image 1.1: Minoston MP31ZD Z-Wave Dimmer Plug and its packaging.

## 2. SAFETY INFORMATION

Please read and understand all safety precautions before installation and use. Failure to follow these instructions may result in fire, electrical shock, or injury.

- **Indoor Use Only:** This device is intended for indoor use in dry locations. Do not expose to rain, moisture, or extreme temperatures.
- **Electrical Rating:** Do not exceed the maximum electrical ratings of 200W Incandescent or 100W Dimmable CFL/LED. Overloading may cause overheating and potential damage.
- **Power Source:** Connect to a 125V AC power source only.
- **Maintenance:** Do not attempt to repair or modify this device. Refer all servicing to qualified personnel.
- **Cleaning:** Disconnect power before cleaning. Use a dry cloth only.

### 3. PACKAGE CONTENTS

Verify that all components are present upon opening the package:

- 1 x Minoston Z-Wave Dimmer Plug (MP31ZD)
- 1 x Instruction Manual

### 4. PRODUCT OVERVIEW

The Minoston MP31ZD is a compact Z-Wave dimmer plug designed for ease of use and integration into smart home systems. Its small form factor allows for two units to be plugged into a standard duplex outlet without obstructing the second receptacle.

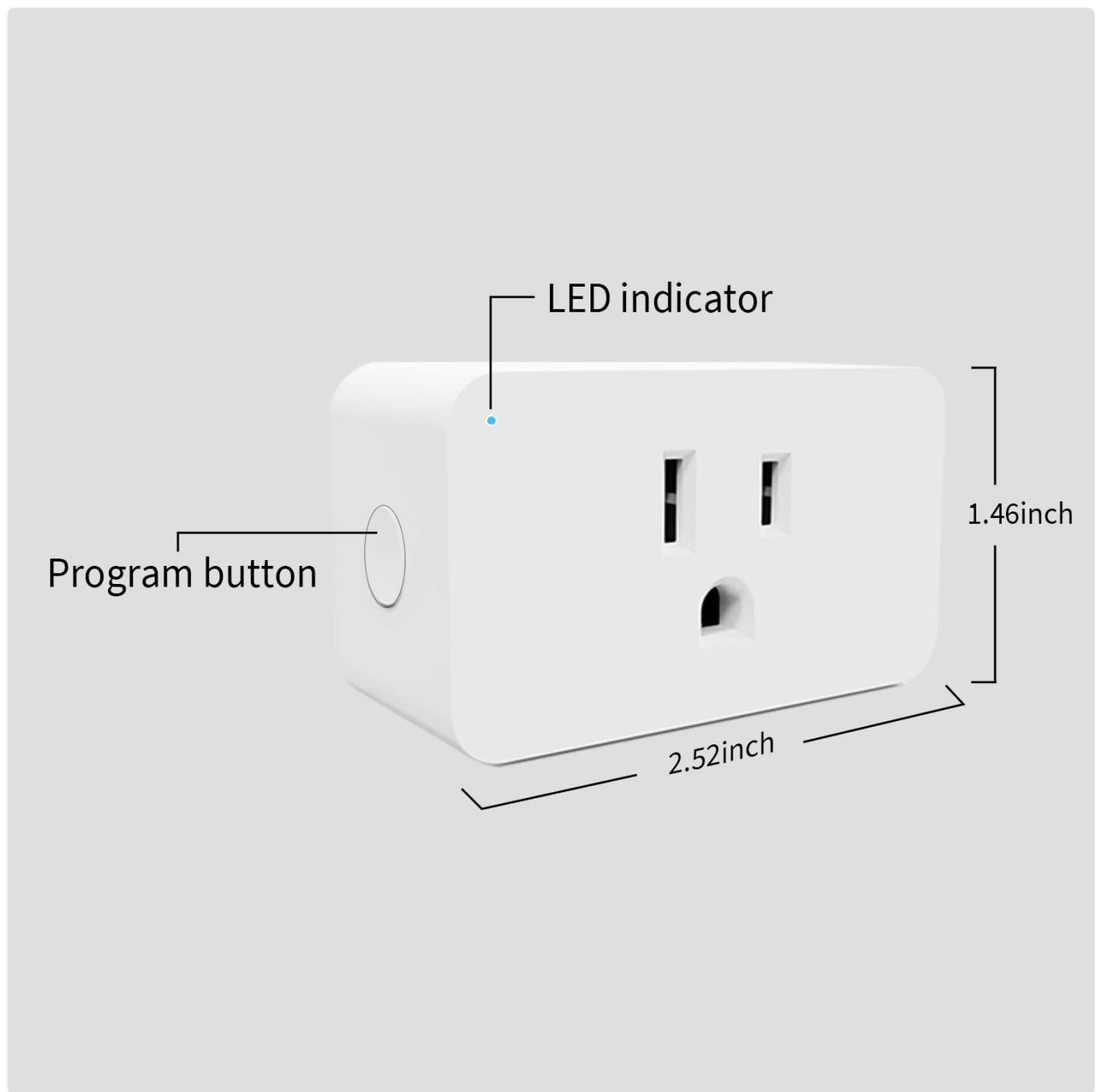


Image 4.1: Key components and dimensions of the Minoston MP31ZD.

#### Key Features:

- **Z-Wave 800 Series:** Utilizes the latest Z-Wave 800 series chip for improved signal range (up to 1300ft with Long Range support) and faster communication.
- **S2 Authenticated Security:** Enhances network security for reliable operation.
- **SmartStart:** Simplifies the pairing process with compatible Z-Wave hubs.
- **1-100% Dimming:** Allows precise control over light brightness for various dimmable light bulbs (incandescent, dimmable CFL/LED).
- **Built-in Repeater:** Extends the Z-Wave network range by repeating signals.
- **Compact Design:** Mini size prevents blocking adjacent outlets.
- **Voice Control:** Compatible with Amazon Alexa and Google Assistant when connected to a supported Z-Wave hub.
- **Scheduling & Timers:** Program lights to turn on/off or dim at specific times.

## NEW Z-WAVE 800 SERIES DIMMER PLUG



**Support Long Range**

**Extend the Wireless Coverage**

**Faster Communication**

**S2 Authenticated Security**

**SmartStart for Effortless Pairing**



**SmartStart + S2**

Image 4.2: Overview of the Z-Wave 800 Series features.

## 5. SETUP AND INSTALLATION

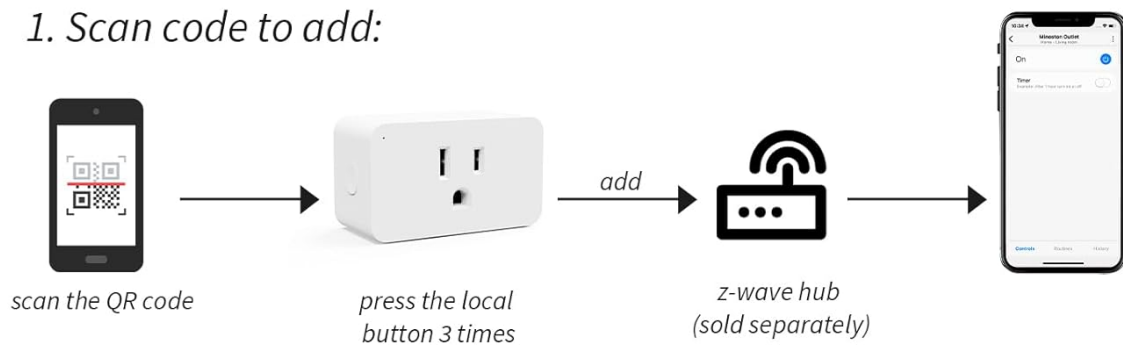
No wiring is required for the Minoston MP31ZD. Simply plug it into a standard wall outlet and connect it to your Z-Wave hub.

## 5.1 Pairing with a Z-Wave Hub

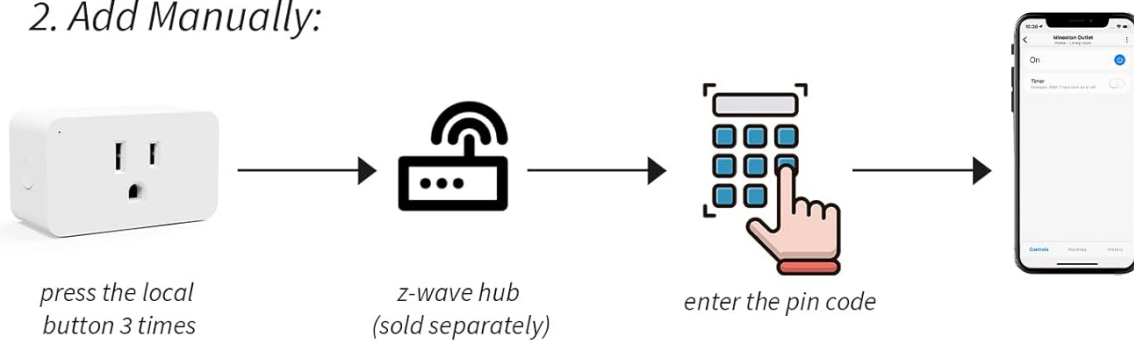
The MP31ZD supports SmartStart for easy pairing and can also be added manually.

### *Easy to Setup with Z-Wave Hub:*

#### *1. Scan code to add:*



#### *2. Add Manually:*



*Compatible with SmartThings, Hubitat, Fibaro, Home Assistant, HomeSeer, Z-Box, Wink, Vera, etc.*

Image 5.1: Setup methods for the Minoston MP31ZD with a Z-Wave hub.

#### **Method 1: SmartStart (Recommended)**

1. Ensure your Z-Wave hub supports SmartStart.
2. Open your Z-Wave hub's mobile application and select the option to add a new device or scan a QR code.
3. Scan the QR code located on the Minoston MP31ZD device or its packaging.
4. The device should automatically pair with your hub. Follow any on-screen prompts in your hub's application.

#### **Method 2: Manual Inclusion**

1. Plug the Minoston MP31ZD into a wall outlet.
2. Put your Z-Wave hub into inclusion (pairing) mode. Refer to your hub's manual for specific instructions.

3. Quickly press the program button on the side of the MP31ZD three (3) times.
4. The LED indicator on the plug will flash to confirm inclusion mode.
5. If prompted by your hub, enter the Device Specific Key (DSK) or PIN code found on the device or packaging.
6. The hub will confirm successful pairing.

**Note:** This Z-Wave dimmer plug is compatible with Z-Wave hubs such as SmartThings, Vera, Wink, Fibaro, Homeseer, Ring, 2GIG, and Hubitat (may require changing device type). It requires a Z-Wave certified hub for compatibility with Amazon Alexa and Google Assistant. It **cannot** connect directly with Echo Plus.

## 6. OPERATING INSTRUCTIONS

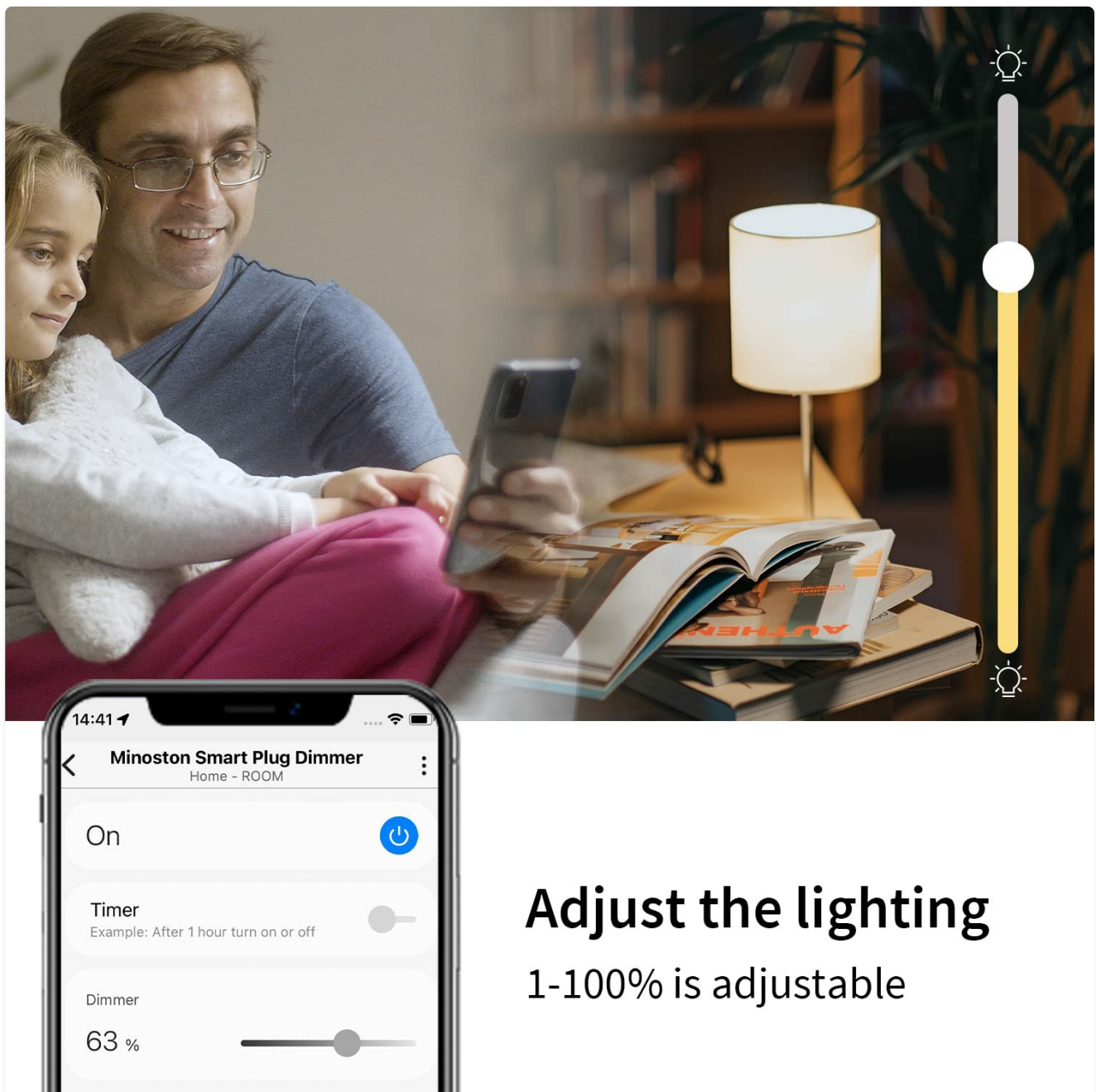
Once paired with your Z-Wave hub, the Minoston MP31ZD offers various control options.

### 6.1 Manual Control

The program button on the side of the device can be used for basic on/off control. A single press will toggle the connected light between on and off states.

### 6.2 Remote Control and Dimming

Use your Z-Wave hub's mobile application to control the connected light. You can turn it on/off and adjust the brightness from 1% to 100%.



**Adjust the lighting**  
1-100% is adjustable

Image 6.1: Adjusting light brightness via a mobile application.



# Control From Anywhere, Anytime

Worried that the lights didn't turn off when you left the house?  
No problem, just a tap on your phone to control.

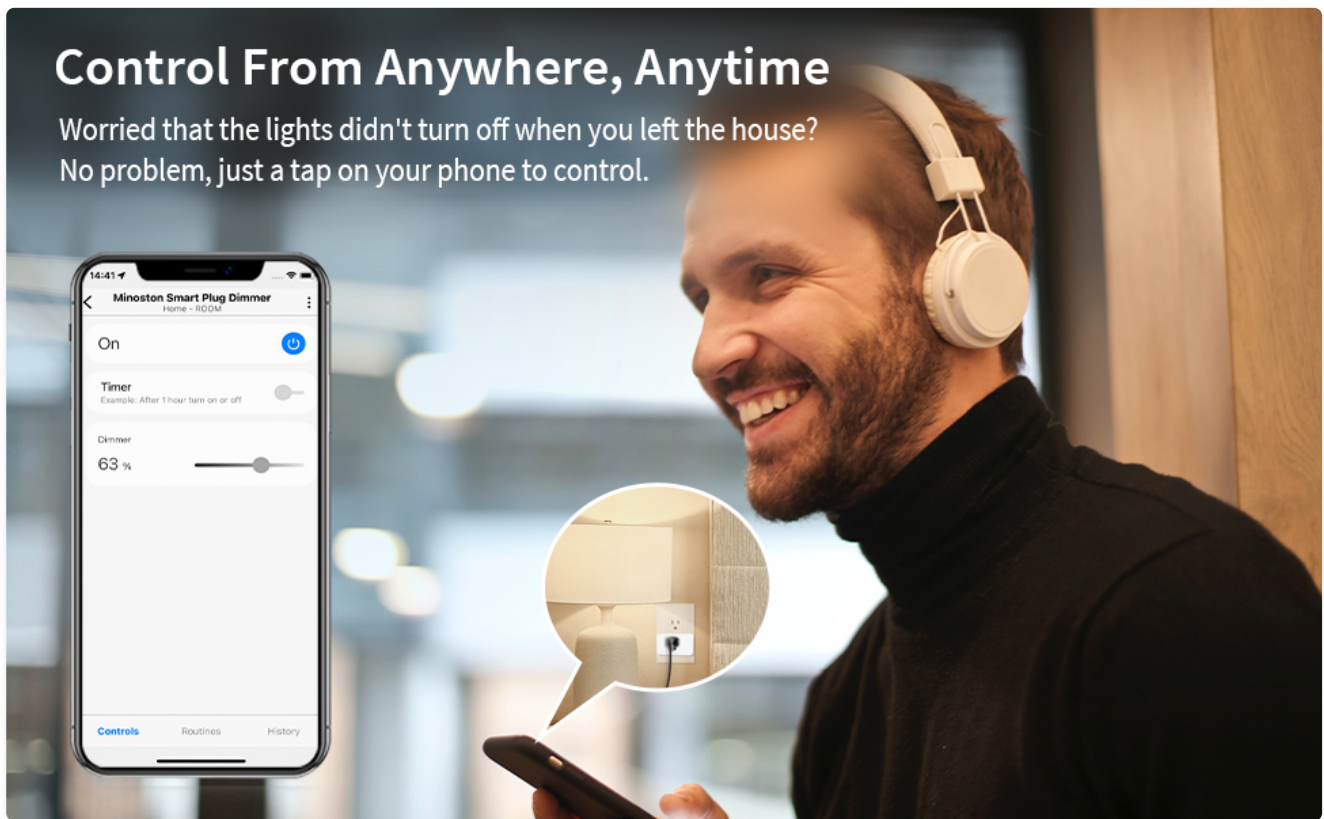


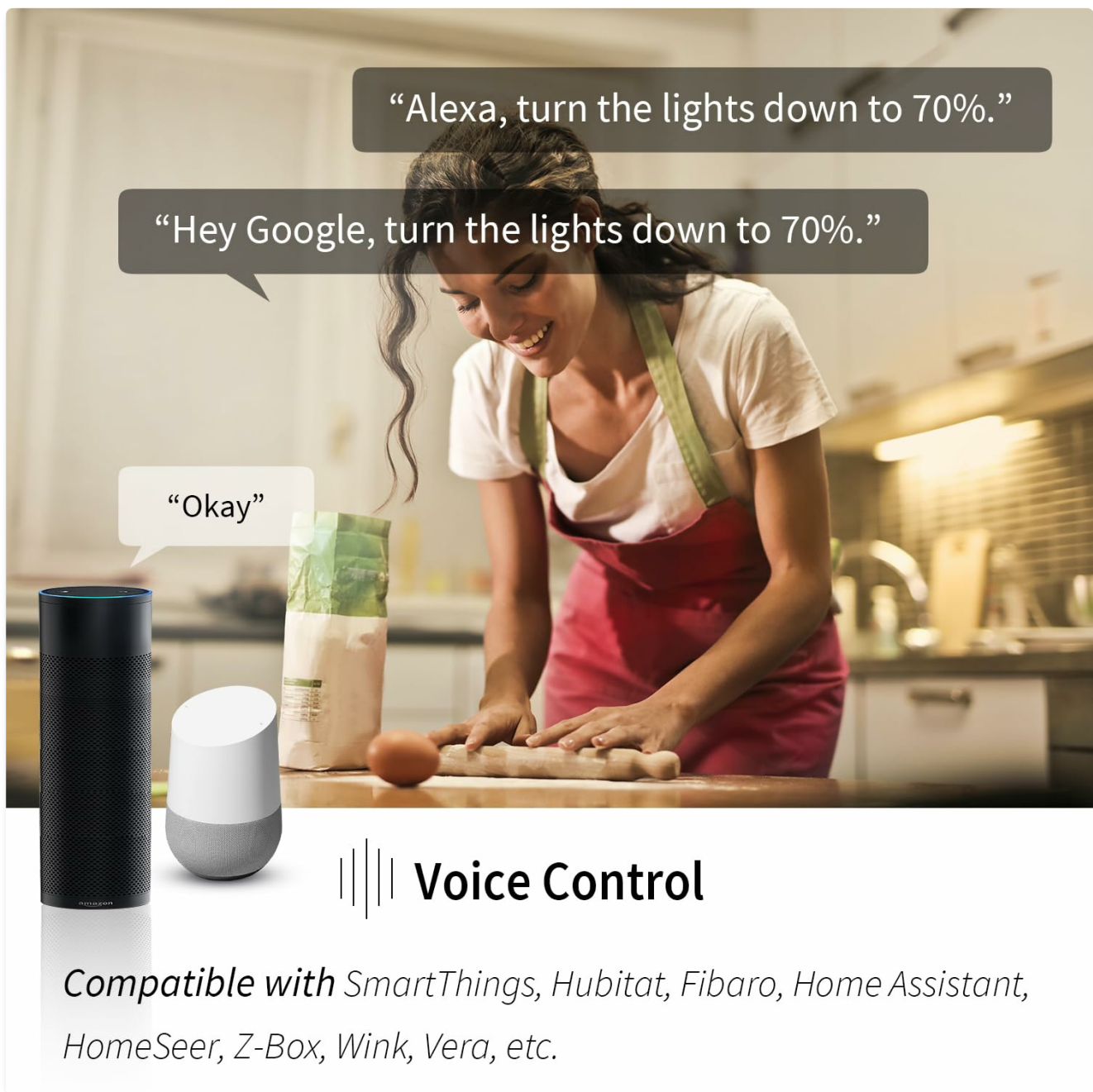
Image 6.2: Remote control functionality from any location.

## 6.3 Voice Control

If your Z-Wave hub is integrated with Amazon Alexa or Google Assistant, you can control the dimmer plug using voice commands.

- Example commands:
- "Alexa, turn the lights down to 70%."
- "Hey Google, set the light to the darkest setting."





## ||| Voice Control

*Compatible with SmartThings, Hubitat, Fibaro, Home Assistant, HomeSeer, Z-Box, Wink, Vera, etc.*

Image 6.3: Voice control integration with smart assistants.

### 6.4 Scheduling and Timers

Set up custom schedules and timers through your Z-Wave hub's application to automate your lighting.

- Example: Schedule lights to turn on at 6:00 PM and turn off at 11:00 PM.



## Set Schedules and Timers

Schedule your lighting or appliances for complete synergy with your daily routing.

Image 6.4: Setting schedules and timers for automated lighting.

## 7. MAINTENANCE

The Minoston MP31ZD requires minimal maintenance.

- **Cleaning:** Ensure the device is unplugged before cleaning. Use a soft, dry cloth to wipe the exterior. Do not use liquid cleaners or sprays.
- **Storage:** If storing the device for an extended period, keep it in a cool, dry place away from direct sunlight and moisture.
- **Firmware Updates:** Periodically check your Z-Wave hub's application for any available firmware updates for the device, as these can improve performance and add features.

## 8. TROUBLESHOOTING

If you encounter issues with your Minoston MP31ZD, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Device does not pair with Z-Wave hub.	Hub not in inclusion mode; device too far from hub; interference.	Ensure hub is in inclusion mode. Move device closer to hub. Try excluding the device first (see hub manual), then re-include.
Light does not dim or flickers.	Non-dimmable bulb; bulb incompatibility; load too low/high.	Ensure the connected bulb is dimmable. Check bulb compatibility with Z-Wave dimmers. Verify load is within 200W Incandescent / 100W Dimmable CFL/LED.
Voice control not working.	Hub not linked to voice assistant; incorrect device name; hub not supported.	Confirm your Z-Wave hub is properly linked to Amazon Alexa or Google Assistant. Check the device name in your voice assistant app. Ensure your hub supports voice assistant integration.
Device loses connection.	Z-Wave network issues; device too far from hub/repeater.	Check Z-Wave network health. Ensure there are enough Z-Wave repeaters (like other Z-Wave devices) between the plug and the hub.




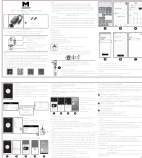
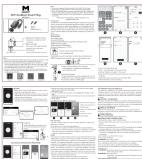


## 9. SPECIFICATIONS

Specification	Detail
Model Number	MP31ZD
Z-Wave Frequency	908.42MHz
Operating Voltage	125 Volts (AC)
Max Load (Incandescent)	200W
Max Load (Dimmable CFL/LED)	100W
Product Dimensions (L x W x H)	2.52 x 1.18 x 1.46 inches
Item Weight	2.08 ounces
Operation Mode	ON-NONE-ON
Contact Type	Normally Closed
Connector Type	Plug In
Terminal	Blade
Circuit Type	1-way
Actuator Type	Plug In
Contact Material	Copper
Certifications	FCC & ETL listed

## 10. WARRANTY AND SUPPORT

Minoston products are designed for reliability and performance. For warranty information or technical support, please refer to the contact details provided with your purchase or visit the official Minoston website. Keep your purchase receipt for warranty claims.

### Related Documents - MP31ZD

 	<p><a href="#">Minoston MP31ZP Z-Wave Plug with Energy Monitor User Manual</a></p> <p>User manual for the Minoston MP31ZP Z-Wave Plug with Energy Monitor. Details features, specifications, Z-Wave network setup, parameter configurations, and safety guidelines for smart home integration.</p>
	<p><a href="#">Minoston MP22Z Z-Wave Outdoor Smart Plug User Manual</a></p> <p>User manual for the Minoston MP22Z Z-Wave Outdoor Smart Plug, detailing setup, network configuration, parameter settings, and safety precautions for smart home integration. Includes Z-Wave Plus compatibility and weather-resistant design.</p>
	<p><a href="#">Minoston MP22WH Wi-Fi Outdoor Smart Plug: Setup, Features, and Safety Guide</a></p> <p>Comprehensive guide for the Minoston MP22WH Wi-Fi Outdoor Smart Plug, covering setup, app integration, features, specifications, and essential safety instructions for outdoor use.</p>
	<p><a href="#">Minoston MP22WH Wi-Fi Outdoor Smart Plug User Manual and Setup Guide</a></p> <p>Get detailed instructions for the Minoston MP22WH Wi-Fi Outdoor Smart Plug. This guide covers installation, app setup, Wi-Fi connection, voice assistant integration (Alexa, Google Assistant), device settings, and essential safety precautions.</p>
	<p><a href="#">Minoston MP31Z-800S Z-Wave Smart Plug User Manual</a></p> <p>User manual for the Minoston MP31Z-800S Z-Wave Smart Plug, detailing specifications, features, safety warnings, device setup, and technical command class information for Z-Wave networks.</p>
	<p><a href="#">Minoston Z-Wave Mini Smart Plug (MP26Z) User Manual and Specifications</a></p> <p>Comprehensive guide to the Minoston Z-Wave Mini Smart Plug (MP26Z), covering specifications, features, installation, troubleshooting, and parameter settings for smart home integration.</p>

