

Minoston MP21Z

Minoston Z-Wave Outlet Mini Plug-in Socket (MP21Z) Instruction Manual

INTRODUCTION

This manual provides detailed instructions for the Minoston Z-Wave Outlet Mini Plug-in Socket (MP21Z). This device allows you to wirelessly control lamps and small appliances, integrate them into your Z-Wave smart home system, and extend your Z-Wave network range.

PRODUCT OVERVIEW

Key Features

- **800 Series Z-Wave Chip:** Enhanced signal coverage, faster communication, and improved reliability.
- **Z-Wave Plus Long Range (LR) Support:** Extends wireless coverage up to 1300ft with compatible hubs.
- **S2 Authenticated Security:** Provides advanced security for your smart home network.
- **SmartStart for Effortless Pairing:** Simplifies the inclusion process with compatible Z-Wave hubs.
- **Wireless Control:** Manage connected devices remotely via your Z-Wave hub and mobile application.
- **Built-in Repeater:** Acts as a signal repeater to strengthen your Z-Wave mesh network.
- **Timer and Schedule Functions:** Automate device operation to save energy and enhance convenience.
- **Compact Design:** Mini size ensures it does not block adjacent outlets.
- **High Capacity:** Supports loads up to 15A, 125 VAC.

Package Contents

- Minoston Z-Wave Outlet Mini Plug-in Socket (MP21Z) x 2
- Instruction Manual x 1

Product Diagram

This diagram illustrates the key components of the Minoston Z-Wave Mini Plug-in Socket.

Z-Wave Mini Plug



Schedule
Events



Signal
Repeater



Control
Anywhere



ON/OFF
Button



Image: Front view of the Minoston Z-Wave Mini Plug-in Socket, highlighting its compact design and indicating its capabilities for scheduling, signal repeating, remote control, and manual on/off operation.



Image: Side view of the Minoston Z-Wave Mini Plug-in Socket, showing its dimensions (1.14 inches depth, 1.89 inches height) and the location of the program button.

- **Program Button:** Used for manual ON/OFF control, Z-Wave inclusion/exclusion, and factory reset.
- **Z-Wave Controlled Outlet:** Standard 3-prong outlet for connecting appliances.

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 designed for indoor use in dry locations. Do not expose to rain, moisture, or extreme temperatures.
- **Electrical Rating:** Do not exceed the maximum load of 15A, 125 VAC (1875W). Overloading the device can cause overheating and fire.
- **Grounding:** Ensure the device is plugged into a properly grounded 3-prong outlet.
- **Appliance Compatibility:** Only connect appliances that are within the specified electrical rating. Do not use with medical or life-support equipment.
- **Cleaning:** Disconnect power before cleaning. Use a dry cloth only.
- **Disassembly:** Do not attempt to disassemble or repair the device. Refer all servicing to qualified personnel.

SETUP AND INSTALLATION

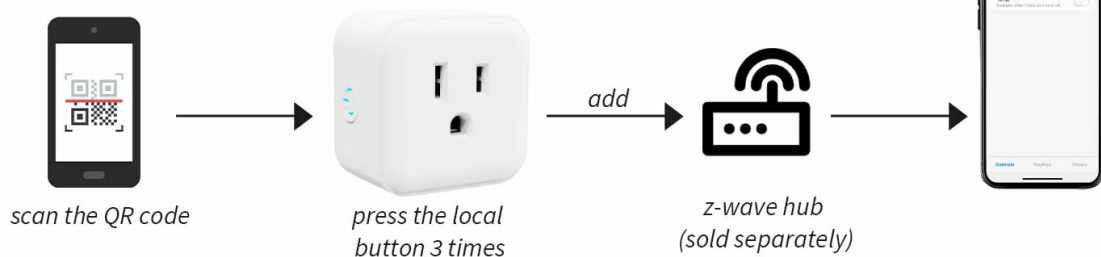
The Minoston Z-Wave Outlet Mini Plug-in Socket requires a Z-Wave certified hub (sold separately) for smart control and automation. It is compatible with most Z-Wave hubs, including SmartThings, Vera, Wink, Fibaro, HomeSeer, Ring, 2GIG, and Hubitat.

Z-Wave Network Inclusion (Pairing)

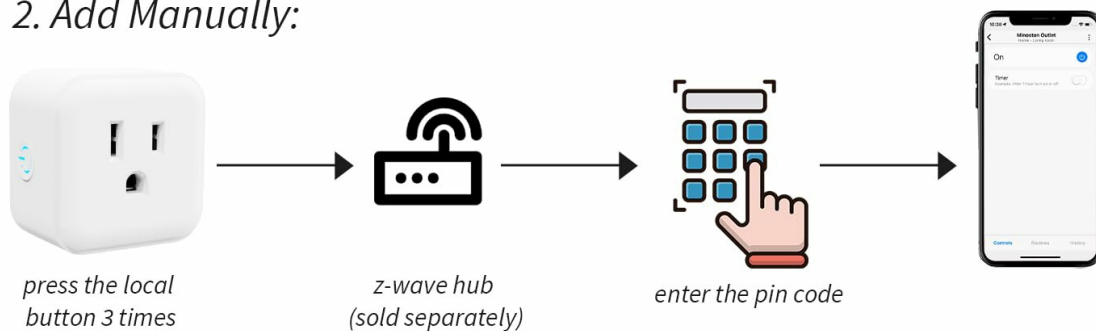
There are two primary methods to add your Minoston Z-Wave Mini Plug to your Z-Wave network:

How to add the mini plug to zwave hub:

1. Scan code to add:



2. Add Manually:



Compatible with SmartThings, Hubitat, Fibaro, Vera, Wink, Homeseer, etc.

Image: Step-by-step guide for Z-Wave inclusion, illustrating both QR code scanning and manual pairing methods with a Z-Wave hub.

Method 1: SmartStart Inclusion (Recommended for 800 Series Hubs)

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 (often found under "Add Device" or "SmartStart").
3. Scan the QR Code located on the product packaging or on the back of the device.
4. Plug the Minoston Z-Wave Mini Plug into a wall outlet. The device will automatically begin the inclusion process.
5. The device should appear in your hub's device list once successfully added.

Method 2: Manual Inclusion (Traditional Pairing)

1. Plug the Minoston Z-Wave Mini Plug into a wall outlet near your Z-Wave hub.
2. Put your Z-Wave hub into inclusion (pairing) mode. Refer to your hub's instruction manual for specific steps.
3. Press the program button on the Minoston Mini Plug **three times quickly**. The LED indicator will flash to confirm it's attempting to pair.
4. Once successfully paired, the LED indicator will stop flashing and remain solid (or turn off, depending on the hub's configuration).

5. The device should appear in your hub's device list.

Z-Wave Network Exclusion (Removing)

To remove the Minoston Z-Wave Mini Plug from your Z-Wave network:

1. Plug the Minoston Z-Wave Mini Plug into a wall outlet.
2. Put your Z-Wave hub into exclusion (removal) mode. Refer to your hub's instruction manual for specific steps.
3. Press the program button on the Minoston Mini Plug **three times quickly**. The LED indicator will flash to confirm it's attempting to exclude.
4. Once successfully excluded, the LED indicator will stop flashing.
5. The device will be removed from your hub's device list.

Factory Reset

A factory reset will restore the device to its default settings and remove it from any Z-Wave network. Only perform a factory reset when the primary controller is missing or inoperable.

1. Press and hold the program button for approximately 20 seconds.
2. The LED indicator will flash rapidly, then turn off, indicating a successful reset.

OPERATING INSTRUCTIONS

Manual Control

The program button on the side of the Minoston Z-Wave Mini Plug allows for manual control of the connected appliance.

- **Press the button once:** Toggles the connected appliance ON or OFF.

Wireless Control

Once successfully paired with your Z-Wave hub, you can control the Minoston Z-Wave Mini Plug wirelessly.

- **Via Z-Wave Hub Application:** Use your hub's mobile application to remotely turn the connected appliance ON or OFF from anywhere.
- **Voice Control:** If your Z-Wave hub is integrated with voice assistants like Alexa or Google Assistant, you can use voice commands to control the plug (e.g., "Alexa, turn on the Christmas tree").



Image: A coffee maker connected to the Minoston Z-Wave Mini Plug, demonstrating its use for scheduled operation. The plug is shown in the OFF state, with a scheduled ON time of 6:35 AM.

Scheduling and Scenes

Leverage your Z-Wave hub's capabilities to create schedules and scenes for automated control.

- **Schedules:** Set specific times for the plug to turn ON or OFF daily or weekly. This is useful for lights, coffee makers, or other routine appliances.
- **Scenes:** Combine the Minoston Mini Plug with other Z-Wave devices to create custom scenes (e.g., a "Good Morning" scene that turns on your bedroom lamp and coffee maker).

ADVANCED FEATURES

Z-Wave Repeater Functionality

The Minoston Z-Wave Mini Plug acts as a Z-Wave signal repeater. This means it re-transmits Z-Wave commands from your hub to other Z-Wave devices, extending the overall range and reliability of your Z-Wave mesh network. Place these plugs strategically to improve signal strength for devices further away from your hub.

Z-Wave Plus Long Range (LR)

This device supports Z-Wave Plus Long Range technology, offering significantly extended wireless range

(up to 1300ft) when used with a compatible Z-Wave LR hub. This is particularly beneficial for larger homes or outdoor Z-Wave applications.

S2 Security and SmartStart

The 800 series Z-Wave chip incorporates S2 Authenticated Security, providing a higher level of encryption and protection against unauthorized access. SmartStart simplifies the pairing process by allowing devices to be added to the network by scanning a QR code, eliminating the need for manual button presses during initial setup.

TROUBLESHOOTING

Device Not Responding

- **Check Power:** Ensure the plug is securely inserted into a live wall outlet.
- **Z-Wave Network:** Verify the plug is properly included in your Z-Wave network. If unsure, attempt exclusion and then re-inclusion.
- **Range:** The plug might be out of range of your Z-Wave hub or other repeaters. Try moving it closer or adding another repeater.
- **Overload:** Ensure the connected appliance does not exceed the 15A/1875W maximum load.
- **Factory Reset:** If all else fails, perform a factory reset and attempt re-inclusion.

LED Indicator Behavior

- **Solid ON:** Device is powered and connected.
- **Flashing (during pairing):** Device is attempting to include or exclude from the network.
- **No Light:** Device may not be receiving power or is in an OFF state (depending on hub configuration).

SPECIFICATIONS

Parameter	Value
Model Number	MP21Z
Power	125 VAC, 60 Hz
Maximum Load	15A (Resistive), 1875W
Z-Wave Frequency	908.42 MHz
Operating Temperature	32-104° F (0-40° C)
Dimensions (H x W x D)	1.89 x 1.89 x 1.73 inches
Material	Polycarbonate (PC)
Certifications	FCC, ETL Listed

WARRANTY AND SUPPORT

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

Related Documents - MP21Z

	<p>Minoston MP22Z Z-Wave Outdoor Smart Plug User Manual</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>Minoston MP31ZP Z-Wave Plug with Energy Monitor User Manual</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>Minoston MP21Z Z-Wave Mini Smart Plug User Manual and Setup Guide</p> <p>Comprehensive guide for the Minoston MP21Z Z-Wave mini smart plug, covering setup, network configuration, parameter settings, features, and safety precautions for smart home integration.</p>
	<p>Minoston MP22WH Wi-Fi Outdoor Smart Plug: Setup, Features, and Safety Guide</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>Minoston MP22WH Wi-Fi Outdoor Smart Plug User Manual and Setup Guide</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>Minoston MP22Z Z-Wave Outdoor Smart Plug User Manual</p> <p>Comprehensive user manual for the Minoston MP22Z Z-Wave Outdoor Smart Plug, detailing setup, operation, parameter settings, Z-Wave interoperability, and safety instructions for smart home integration.</p>



[pdf] User Manual Instructions

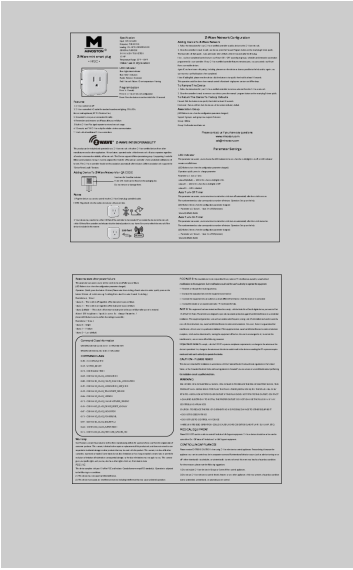
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MP21Z Smart Plug 1 Channel Manual Federal Communications Commission FCC

Statement FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user s authority to operate this equipment. This device complies with Part 15 of the FCC Rules...

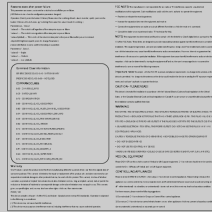
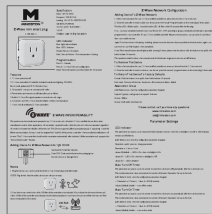
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[Minoston MP21Z Z-Wave Mini Smart Plug User Manual and Setup Guide](#)

Comprehensive guide for the Minoston MP21Z Z-Wave mini smart plug, covering setup, network configuration, parameter settings, features, and safety precautions for smart home integration.

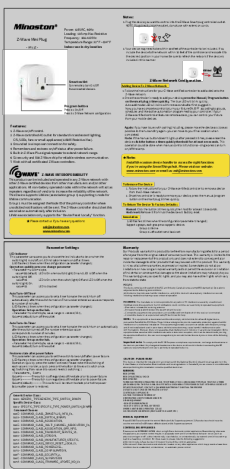
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[\[pdf\]](#) User Manual Specifications

MP21Z ZW36SU V1.0 manual 2022 3 7 MP21ZZW36SUV1 manu Index of 05 minoston |||

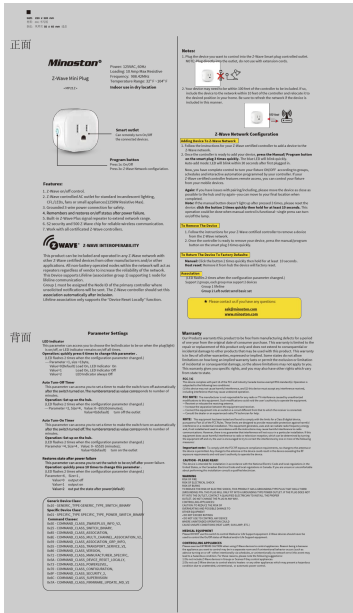
Z-Wave mini smart plug **MP21Z** Specification Input: 125VAC 60Hz Frequency: 908.42 MHz Loading: 15A 1875W RESISTIVE OR GENERAL PURPOSE 5A MAX 625W TUNGSTEN 1/3 HP Indoor use in dry location LED indicator Blue: Light status indicator Blue: ADD / Inclusion Purple: Remove / Exclusion Red: Network Fail...
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Z-Wave Mini Plug **MP21Z** Power: 125VAC, 60Hz Loading: 10 Amp Max Resistive Frequency: 908.42MHz Temperature Range: 32 F -104 F Indoor use in dry location Notes: 1. Plug the device you want to control into the Z-Wave Smart plug controlled outlet. NOTE: Plug directly into the outlet, do not use with...
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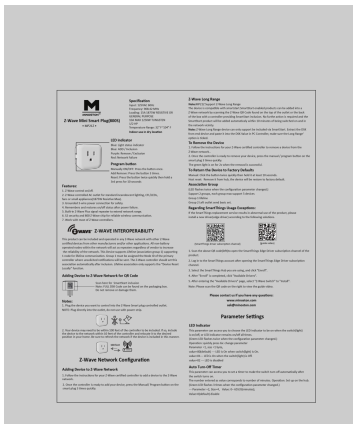


[pdf] User Manual Instructions

MP21Z ZW36S 2020 8 Manual minoston 12 55 x 65 mm Minoston operation could be done when manual control is functional single press can turn on off the lamp 1 Follow instructions for your Z Wave certified controller to add a device network 2 Once ready Program button smart plug 3 times quickly The blue LED will blink Note If doesn t light up after pressed please reset click then hold at least 10 seconds This

SIZE: 220 x 220 mm 55 x 65 mm Z-Wave Mini Plug **MP21Z** Power: 125VAC, 60Hz Loading: 10 Amp Max Resistive Frequency: 908.42MHz Temperature Range: 32 F - 104 F Indoor use in dry location Notes: 1. Plug the device you want to control into the Z-Wave Smart plug controlled outlet. NOTE: Plug direct...

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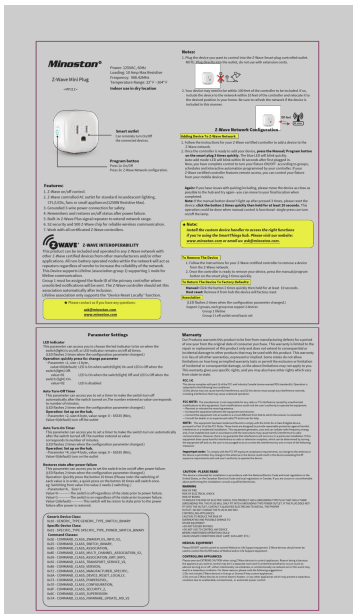


[pdf] User Manual Specifications

MP21Z 800 Series Manual ask@minoston minoston 100 feet 2 Your device may need to be within of the controller included If so include the cdn files myshoptline file store 1701829637050 |||

Z-Wave Mini Smart Plug 800S **MP21Z** Specification Input: 125VAC 60Hz Frequency: 908.42 MHz Loading: 15A 1875W RESISTIVE OR GENERAL PURPOSE 10A MAX 1250W TUNGSTEN 1/2 HP Temperature Range: 32 F-104 F Indoor use in dry location LED indicator Blue: Light status indicator Blue: ADD / Inclusion Purple...

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[pdf] User Manual

MP21Z ZW36S 2021 6 500 Series Manual Minoston Z Wave Mini Smart Plug for Indoor cdn files myshoptline file store 1701829637050 |||

Z-Wave Mini Plug **MP21Z** Power: 125VAC, 60Hz Loading: 10 Amp Max Resistive Frequency: 908.42MHz Temperature Range: 32 F -104 F Indoor use in dry location Smart outlet Can remotely turn On/Off the connected devices. Program button Press 1x: On/Off Press 3x: Z-Wave Network configuration. Features: 1...

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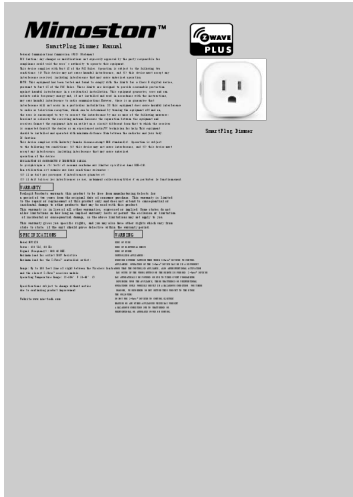


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MP21Z User Manual Outdoor Smart Plug User Manual FCC Federal Communications
Commission FCC Statement FCC Caution: Any changes or modifications not
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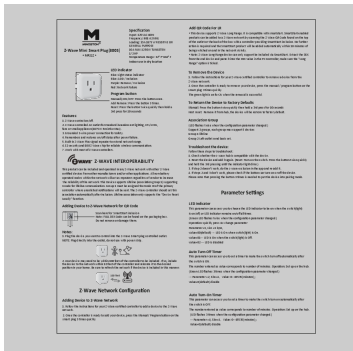


[\[pdf\]](#) User Manual Instructions Catalog

ZW31Smanual 20201026 xls Administrator SmartPlug Dimmer Manual Catalog of Certified Z Wave
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Statement Caution Any changes or modifications not expressly approved by the party responsible for 22
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SmartPlug Dimmer Manual Federal Communications Commission FCC Statement
FCC Caution: Any changes ... hould prove defective within the warranty period.
SPECIFICATIONS WARNING SmartPlug Dimmer Model:**MP21ZS** RISK OF FIRE
Power: 120 VAC, 60 Hz. RISK OF ELECTRICAL SHOCK Signal Frequency : 908.42
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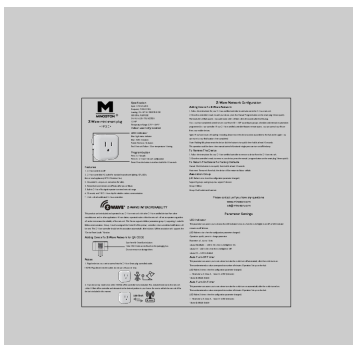
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MP21Z ZW36SU V1 0 2023 12 11 Smart Home Automation Z Wave Mini Plug 800S WAVE

INTEROPERABILITY Parameter 1 size byte SmartStart enabled products can be added to a network by
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Z-Wave Mini Smart Plug 800S **MP21Z** Specification Input: 125VAC 60Hz Frequency:
908.42 MHz Loading: 15A 1875W RESISTIVE OR GENERAL PURPOSE 10A MAX
1250W TUNGSTEN 1/2 HP Temperature Range: 32 F-104 F Indoor use in dry
location LED indicator Blue: Light status indicator Blue: ADD / Inclusion Purple...

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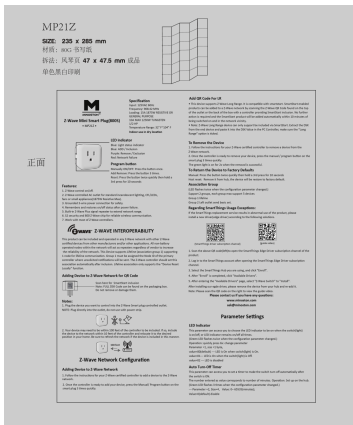


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MP21Z ZW36SU V1 0 2022 12 1 User Manual Minoston Z Wave Plus Outlet Mini Plug in Socket 15A
Hub Required Built Repeater Range Extender Work with SmartThings Wink Alexa Google Assistant FCC
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Z-Wave mini smart plug **MP21Z** Specification Input: 125VAC 60Hz Frequency: 908.42
MHz Loading: 15A 1875W RESISTIVE OR GENERAL PURPOSE 5A MAX 625W
TUNGSTEN 1/3 HP Temperature Range: 32 F-104 F Indoor use in dry location LED
indicator Blue: Light status indicator Blue: ADD / Inclusion Purple: Remove ...

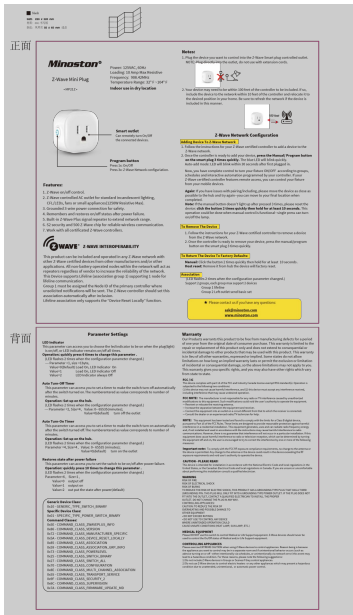
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[pdf] User Manual

MP21Z ZW36SU V1 0 2023 12 11 User Manual Minoston Z Wave Plus Outlet Mini Plug in Socket 15A Hub Required Built Repeater Range Extender Work with SmartThings Wink Alexa Google Assistant FCC ETL Listed A1mY7RvGiWL m media amazon images I |||
.1; SIZE: 235 x 285 mm 47 x 47.5 mm Z-Wave Mini Smart Plug 800S **MP21Z**
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RESISTIVE OR GENERAL PURPOSE 10A MAX 1250W TUNGSTEN 1/2 HP
Temperature Range: 32 F-104 F Indoor use in dry locaon LED indicator Blue: Light status...

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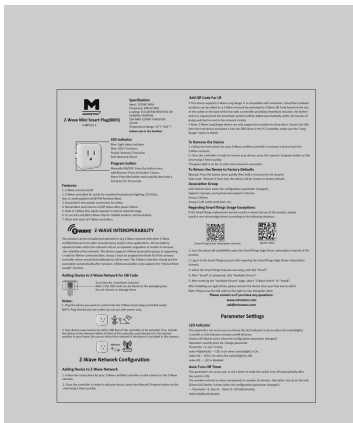


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SIZE: 220 x 220 mm 55 x 65 mm Z-Wave Mini Plug **MP21Z** Power: 125VAC, 60Hz
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104 F Indoor use in dry location Notes: 1. Plug the device you want to control into the
Z-Wave Smart plug controlled outlet. NOTE: Plug direct...

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[pdf] User Manual Specifications

MP21Z ZW36SU V1 0 2023 12 11 User Manual Minoston Z Wave Plug Outlet 800 Series Zwave Mini Smart in Socket 15A Hub Required Built Repeater Range Extender Compatible with SmartThings Wink FCC ETL Listed Tools Home Improvement 91Ut74Z0 XL m media amazon images I |||
Z-Wave Mini Smart Plug 800S **MP21Z** Specification Input: 125VAC 60Hz Frequency: 908.42 MHz Loading: 15A 1875W RESISTIVE OR GENERAL PURPOSE 10A MAX 1250W TUNGSTEN 1/2 HP Temperature Range: 32 F-104 F Indoor use in dry location LED indicator Blue: Light status indicator Blue: ADD / Inclusion Purple...
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[pdf] User Manual Instructions Catalog

MP21Z manual xls Administrator Mini Smart Plug Manual Catalog of Certified Z Wave Products 03 0LQL

6PDUW 30XJ 0DQXDO Minoston ON OFF control with the front panel push button Device Reset Locally

Notification Only report when Switch Module has been triggered Federal Communications Commission

FCC Statement Caution Any changes or modifications not expressly approved 17 ago 2020 — Author

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MP21Z Mini Smart Plug Manual Federal Communications Commission FCC

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party responsible for compliance could void the user s authority to operate this

equipment. This device complies with Part 15 of the FCC Rules. O...

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[pdf] Decleration of Conformity

FACSIMILE TRANSMISSION User Family declaration NIE TECH CO LTD ZW36S Mini Smart Plug

2AQRZW36S zw36s

Declaration on model difference We, NIE-TECH Co., Ltd the undersigned hereby

confirm that these mode ... name Trade name FCC ID INPUT Model No. Mini Smart

Plug Minoston 2AQRZW36S AC120V,60Hz ZW36S,**MP21Z** Confirmed by: Client s

signature: Client s name / title: Jianghai Nie /Manager Date:2020-08-2...

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[pdf] Catalog

Mini Smart Plug Catalog of Certified Z Wave Products 24 ago 2020 — ZC10 20086962 products z

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Z-Wave Protocol Implementation Conformance Statement Mini Smart Plug General

Information Product Identifier: Brand Name: Product Version: Z-Wave Certification #:

MP21Z Minoston HW: 255 FW: 1.255 ZC10-20086962 Product Features Color

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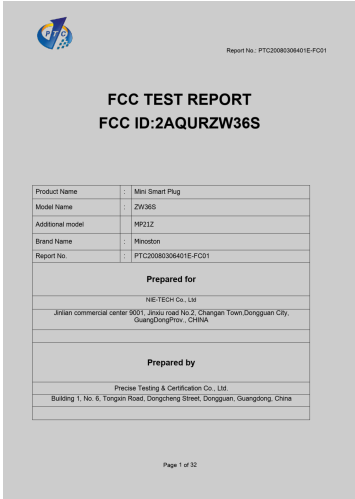
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ZC12 21040214 products z wavealliance org 4137 pics
Z-Wave Protocol Implementation Conformance Statement S2 SmartPlug Dimmer
General Information Product Identifier: Brand Name: Product Version: Z-Wave
Certification #: **MP21ZS** Minoston HW: 1 FW: 1.00 ZC12-21040214 Product Features
Color Firmware Updatable Loads Controlled Switch Load Capacity Watt...
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[Z-Wave Mini Smart Plug MP21Z Conformance Statement](#)

This document provides the Z-Wave Protocol Implementation Conformance Statement for the Minoston Mini Smart Plug, model MP21Z. It details the product's Z-Wave features, technical specifications, and supported command classes.
lang:en **score:20** filesize: 38.64 K page_count: 2 document date: 2025-08-01



[pdf] Test Report

Administrator Test reports NIE TECH CO LTD ZW36S Mini Smart Plug 2AQRZW36S zw36s
Report No.: PTC20080306401E-FC01 FCC TEST REPORT FCC ID:2AQRZW36S
Product Name Model Name Additional model Brand Name Report No. : Mini Smart Plug : ZW36S **MP21Z** : Minoston : PTC20080306401E-FC01 Prepared for NIE-TECH Co., Ltd Jinlian commercial center 9001, Jinxiu road No.2, Changan Town,Donggua...
lang:en **score:18** filesize: 2.35 M page_count: 32 document date: 2020-08-28