ZOOZ ZEN14

Zooz 800 Series Z-Wave Long Range Outdoor Double Plug ZEN14 Instruction Manual

1. PRODUCT OVERVIEW

The Zooz 800 Series Z-Wave Long Range Outdoor Double Plug ZEN14 is a smart outdoor plug designed to add Z-Wave control to two different outdoor devices. It features an IP65-rated weatherproof housing, making it suitable for outdoor use with items such as holiday lights, small pumps, and patio lighting. This device supports Z-Wave Long Range technology for extended network coverage and also functions as a signal repeater to boost your Z-Wave network.

Key Features:

- **Double Control:** Independently control two outdoor devices.
- **Outdoor Housing:** IP65 rated for safe outdoor use in various weather conditions.
- **Long Range Ready:** Utilizes Z-Wave Long Range for enhanced network coverage up to 1300 feet with compatible hubs.
- **Signal Repeater:** Extends the range and improves the reliability of your Z-Wave network.
- **Advanced Security:** Equipped with SmartStart and S2 Authenticated Security for secure pairing.

2. SAFETY INFORMATION

Please read this information carefully before installation and use to ensure safe operation.

- **Wattage Limits:** Do not exceed 150 W of LEDs or 960 W incandescent lighting between the two outlets combined.
- **Motor Loads:** Use with small motors under 1/3 HP only.
- **Total Load:** The maximum resistive load is 15A combined between both outlets.
- **Operating Temperature:** The device is designed to operate within 32-104° F (0-40° C).
- **Environmental Rating:** This plug is IP65 rated, indicating protection against dust and low-pressure water jets. It is suitable for outdoor use but should not be submerged in water.
- **Power Source:** Connect only to a 110-120 V AC, 60 Hz power source.
- **Installation:** Ensure the plug is securely connected to a suitable outdoor GFCI outlet.

3. Setup

A compatible Z-Wave hub is required to control this device. Smart speakers are not Z-Wave controllers and require a Z-Wave hub for voice command integration.

3.1 Compatibility

The ZEN14 is compatible with the following Z-Wave hubs:

- Z-Box Hub
- Home Assistant (Z-Wave JS)
- Hubitat
- SmartThings (requires a custom device driver, available on the Zooz support portal)

This device is NOT supported by Z-Wave alarm panels such as Alarm.com, ADT, or Ring.

3.2 Installation Steps

1. **Choose Location:** Select an outdoor location with a suitable GFCI outlet, ensuring the plug is protected from direct heavy rain or standing water.
2. **Plug In:** Insert the ZEN14 Double Outdoor Plug into the GFCI outlet. The angled plug design is intended for a better fit in various outlet configurations.
3. **Add to Z-Wave Network:**

   - Put your Z-Wave hub into inclusion (pairing) mode. Refer to your hub's manual for specific instructions.
   - The ZEN14 supports SmartStart. If your hub supports SmartStart, scan the QR code on the device or its packaging.
   - Alternatively, manually initiate pairing by pressing the Z-Wave button on the device.
   - Confirm successful inclusion on your Z-Wave hub.

4. **Connect Devices:** Plug your outdoor devices (e.g., lights, small pumps) into the two controlled outlets of the ZEN14.

Figure 1: Zooz ZEN14 Double Outdoor Plug with two controlled outlets and an angled plug for better fit. The image highlights the two outlets for independent control and the angled plug designed for convenient installation.

4. OPERATING INSTRUCTIONS

Once successfully paired with your Z-Wave hub, you can control the ZEN14 Double Outdoor Plug through your hub's interface or associated smart home application.

4.1 Outlet Control

The ZEN14 allows for independent control of its two outlets. You can turn each outlet ON or OFF separately via your Z-Wave hub. Note that this device provides ON/OFF control only and does not support dimming functions.

4.2 Z-Wave Long Range (Z-Wave LR)

If your Z-Wave hub supports Z-Wave Long Range, the ZEN14 can communicate over greater distances, up to 1300 feet line of sight, providing ultra-reliable direct hub-to-device communication. This is particularly beneficial for larger outdoor areas.

4.3 Signal Repeater Function

The ZEN14 acts as a Z-Wave signal repeater, strengthening your Z-Wave mesh network. It relays signals from other Z-Wave devices, extending their range and improving overall network stability and speed. This helps in

achieving a lag-free wireless experience for all your Z-Wave devices.

4.4 Power Monitoring

The device provides various sensor outputs including electric consumption in amps, kWh, volts, and watts. This data can be accessed and monitored through your compatible Z-Wave hub, allowing for energy usage tracking of connected devices.

Figure 2: Zooz ZEN14 Double Outdoor Plug used for outdoor lighting in a patio setting. The image illustrates the application of the plug to control outdoor lights, enhancing the ambiance of an outdoor gathering.

5. MAINTENANCE

The Zooz ZEN14 Double Outdoor Plug is designed for durability and outdoor use. Minimal maintenance is required.

- **Cleaning:** Periodically wipe the exterior of the plug with a damp cloth to remove dirt or debris. Ensure the device is unplugged before cleaning. Do not use harsh chemicals or abrasive cleaners.
- **Inspection:** Regularly inspect the power cord and plug for any signs of damage, such as fraying or cracks. If any damage is observed, discontinue use and replace the device.

- **Environmental Conditions:** While IP65 rated, avoid prolonged exposure to extreme weather conditions outside the specified operating temperature range (32-104° F / 0-40° C) to maximize the lifespan of the device.

6. TROUBLESHOOTING

If you encounter issues with your ZEN14 Double Outdoor Plug, refer to the following common troubleshooting steps:

- **Device Not Pairing:**
  - Ensure your Z-Wave hub is in inclusion mode.
  - Try moving the plug closer to your Z-Wave hub during the pairing process.
  - Perform a factory reset on the ZEN14 (refer to your hub's or Zooz's support documentation for reset procedures) and attempt pairing again.
  - Verify your hub's compatibility with the ZEN14.

- **Intermittent Control or Range Issues:**
  - Ensure the plug is within range of your Z-Wave hub or another Z-Wave repeater.
  - Obstructions like thick walls or metal objects can reduce Z-Wave signal strength. Try repositioning the plug or adding more Z-Wave repeaters.
  - Rebuild your Z-Wave network's mesh routing table from your hub's settings.

- **Outlets Not Responding:**
  - Check if the plug is receiving power.
  - Verify that the connected devices are within the specified wattage and amperage limits.
  - Confirm that the plug is still properly included in your Z-Wave network.

- **Incompatible Hub:** If your hub is an Alarm.com, ADT, or Ring Z-Wave alarm panel, the ZEN14 is not supported. Consider using a compatible Z-Wave hub like Z-Box, Home Assistant, or Hubitat.

7. SPECIFICATIONS

Specification	Detail
Model Number	ZEN14 800LR
Z-Wave Region	US/CA/MX
Power	110-120 V AC, 60 Hz
Maximum Load (Combined)	960W incandescent, 150W LED bulbs, 15A resistive, 1/3 HP fan motors
Z-Wave Range	Up to 300 feet line of sight (standard), up to 1300 feet (Z-Wave Long Range)
Dimensions	5" tall, 3.5" wide, 1.75" deep
Cord Length	6.5"
Operating Temperature	32-104° F (0-40° C)
Installation and Use	Indoor or outdoor use, IP65 rated

Certifications	ETL Listed, S2 Security

Figure 3: Zooz ZEN14 Double Outdoor Plug showing ETL listing and S2 Security features. The image confirms the product's safety and security certifications, including ETL and S2 Security.

8. WARRANTY

Zooz offers an extended 5-year warranty for the ZEN14 Double Outdoor Plug. To qualify for this extended warranty, you must register your product within 30 days of purchase. Please visit the official Zooz support portal for warranty registration details and terms.

9. SUPPORT

For technical assistance, troubleshooting, or any questions regarding your Zooz ZEN14 Double Outdoor Plug, Z-Wave experts are available 7 days a week. You can find detailed support resources, FAQs, and contact information on the official Zooz support portal. Registering your product also grants you lifetime technical support.

Visit the ZOOZ Store on Amazon for more products and information.