

Remotec ZRC-90US

Remotec ZRC-90US / BW8510US Z-Wave Scene Master Instruction Manual

Model: ZRC-90US, BW8510US

Brand: Remotec

1. INTRODUCTION AND OVERVIEW

The Remotec ZRC-90US Scene Master is a Z-Wave Central Scene Controller designed to enhance your smart home experience. This device allows you to trigger various actions and scenes within your Z-Wave central controller with the simple press of a button. Featuring 8 distinct buttons, each supporting both a short press and a long press, the ZRC-90US can initiate up to 16 different control possibilities.

It serves as an efficient alternative to using a smartphone application for routine tasks, making smart home control accessible for all users, including children, elderly individuals, and guests who may not have access to your mobile application. The ZRC-90US includes a convenient snap-in wall mount, allowing it to be fixed in a preferred location or easily removed for handheld use.

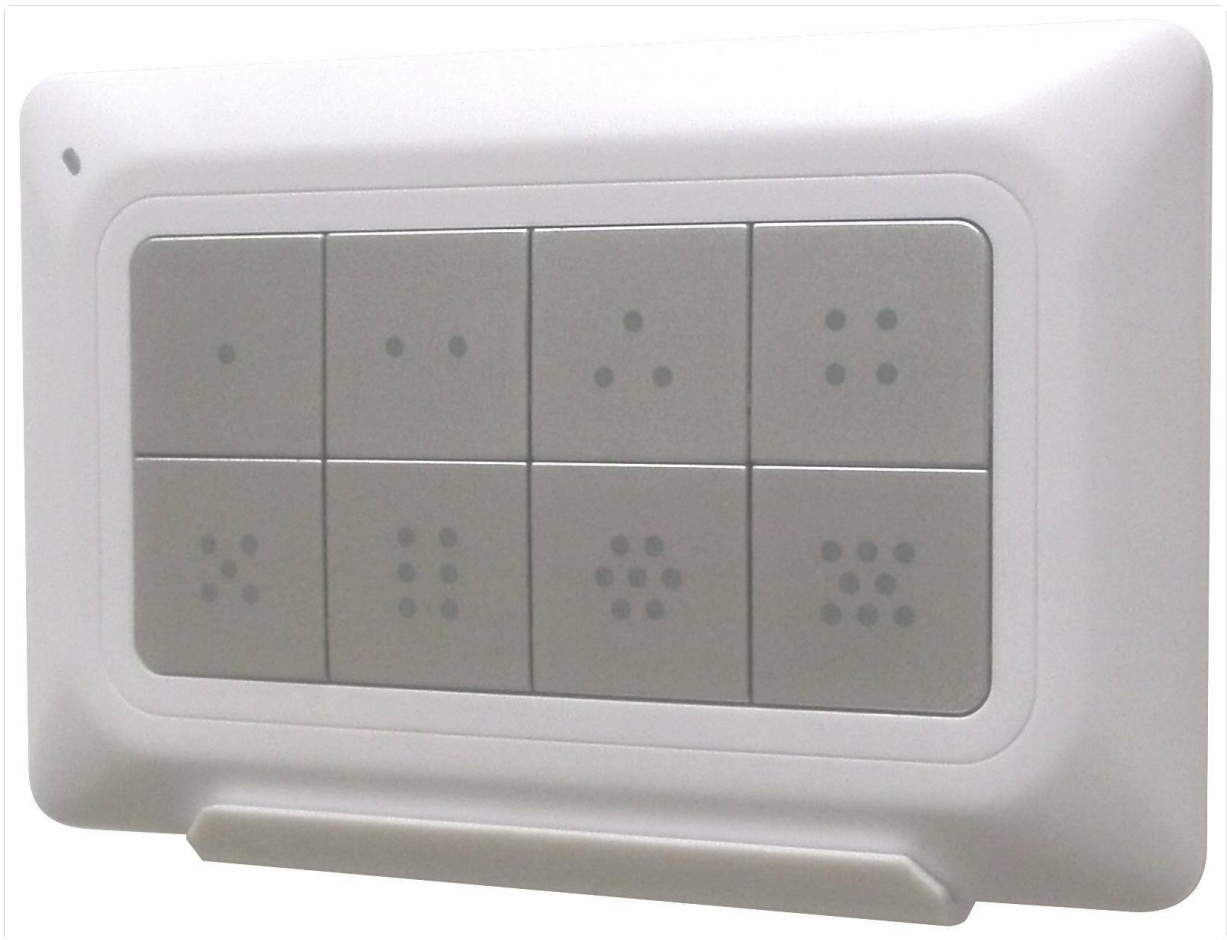


Image 1.1: The Remotec ZRC-90US Z-Wave Scene Master, a compact handheld controller with eight buttons.

2. PRODUCT FEATURES

- **Z-Wave Central Scene Controller:** Communicates with your Z-Wave hub to trigger predefined scenes and automations.
- **8 Programmable Buttons:** Each button can be configured for specific functions.
- **16 Control Possibilities:** Supports both short press and long press actions for each of the 8 buttons.
- **Snap-in Wall Mount:** Provides flexible placement options, allowing for fixed or portable use.
- **Z-Wave Certification ID:** ZC10-15100007, ensuring compatibility within the Z-Wave ecosystem.
- **Frequency Region:** U.S./Canada/Mexico (908.42 MHz).
- **Z-Wave Library Version:** 6.51.06.
- **Device Category:** Handheld Controller.
- **Supported Command Classes:** Device Reset Local, Association, AGI, Battery, Central Scene, Powerlevel, Wake Up.



Image 2.1: The Z-Wave Plus logo, indicating enhanced features and compatibility.

3. PACKAGE CONTENTS

Upon opening your Remotec ZRC-90US package, you should find the following items:

- Remotec ZRC-90US / BW8510US Z-Wave Scene Master
- Wall mount bracket
- Instruction Manual (this document)

4. SETUP AND INSTALLATION

4.1 Battery Installation

The ZRC-90US is battery-powered. To install or replace batteries:

1. Carefully open the battery compartment cover on the back of the device.
2. Insert the required batteries (type not specified, please refer to the device's battery compartment markings for correct type and polarity).
3. Close the battery compartment cover securely.

4.2 Wall Mount Installation

The included wall mount bracket allows for convenient placement of your Scene Master.

1. Choose a suitable location for the wall mount.
2. Secure the wall mount bracket to the desired surface using appropriate screws (not included) or adhesive.
3. Snap the ZRC-90US into the mounted bracket. The device can be easily removed from the bracket for handheld use.

4.3 Z-Wave Inclusion (Pairing)

To integrate the ZRC-90US into your Z-Wave network, you must perform an inclusion process with your Z-Wave central controller (hub).

1. Place your Z-Wave central controller into inclusion (pairing) mode. Refer to your controller's instruction manual for specific steps.
2. On the ZRC-90US, locate the 'L' button (often found within the battery compartment or on the side).
3. Press the 'L' button **three times** quickly. The device's LED indicator should confirm successful inclusion.
4. Once included, it is recommended to 'wake up' the device to ensure full communication with the controller. Press the 'W' button (often located in the battery compartment) multiple times until the device is updated by the controller.
5. Configure the button actions and scenes within your Z-Wave central controller's interface.

Note: Specific configuration steps for button actions (e.g., short press, long press) will vary depending on your Z-Wave hub's software and capabilities. Consult your hub's documentation for detailed scene creation and device configuration.



Image 4.1: Rear view of the Remotec ZRC-90US, showing the battery compartment and internal buttons like 'L' and 'W' for Z-Wave operations.

5. OPERATING INSTRUCTIONS

The Remotec ZRC-90US operates by sending Central Scene commands to your Z-Wave central controller based on button presses. The specific actions performed by these button presses are defined and configured within your Z-Wave hub's software.

5.1 Button Functions

Each of the 8 buttons on the ZRC-90US supports two types of presses:

- **Short Press:** A quick press and release of a button.
- **Long Press:** Pressing and holding a button for a few seconds until the LED indicator responds (typically a blue light flash).

These 16 distinct events (8 buttons x 2 press types) can be mapped to various scenes, routines, or direct device controls within your Z-Wave network. For example, a short press of Button 1 could turn on your living room lights, while a long press of Button 1 could activate a 'movie night' scene.

5.2 Configuring Actions

All button actions are configured through your Z-Wave central controller's user interface. After successful inclusion, your hub should recognize the ZRC-90US as a Central Scene Controller. You will then be able to create automations or scenes that are triggered by the specific Central Scene commands sent by the ZRC-90US when its buttons are pressed.

6. Z-WAVE SPECIFICS

6.1 Z-Wave Exclusion (Removing from Network)

To remove the ZRC-90US from your Z-Wave network:

1. Place your Z-Wave central controller into exclusion (removal) mode. Refer to your controller's instruction manual for specific steps.
2. On the ZRC-90US, press the 'L' button **three times** quickly. The device's LED indicator should confirm successful exclusion.

6.2 Device Reset Local

A Device Reset Local command can be used to reset the ZRC-90US to its factory default settings and remove it from any Z-Wave network. This should only be used when the primary controller is missing or

inoperable.

To perform a Device Reset Local, consult the specific instructions provided by Remotec or your Z-Wave hub's documentation, as this procedure can vary.

6.3 Wake Up Functionality

The ZRC-90US is a battery-powered device and may enter a low-power sleep mode to conserve battery life. To ensure it communicates with the controller for configuration updates or status checks, you may need to manually 'wake up' the device. This is typically done by pressing the 'W' button (often located inside the battery compartment) multiple times.

7. TROUBLESHOOTING

If you encounter issues with your Remotec ZRC-90US, consider the following troubleshooting steps:

- **Device Not Responding:**

- Check battery levels and replace if necessary.
- Ensure the device is within range of your Z-Wave central controller.
- Verify that the device is properly included in your Z-Wave network. If unsure, attempt re-inclusion.
- Perform a 'wake up' by pressing the 'W' button to ensure communication.

- **Button Presses Not Triggering Scenes:**

- Confirm that the scenes or automations are correctly configured in your Z-Wave central controller.
- Ensure the controller is receiving the Central Scene commands from the ZRC-90US. Some controllers may require specific settings (e.g., changing 'device_json' or adding variables) to fully support Central Scene devices. Refer to your hub's community forums or support documentation for advanced configuration.
- Test with a simple scene to isolate the issue.

- **Inclusion/Exclusion Issues:**

- Ensure the controller is in the correct inclusion/exclusion mode.
- Perform the button presses (3x 'L' button) quickly and accurately.
- Try performing the inclusion/exclusion closer to the Z-Wave central controller.

8. SPECIFICATIONS

Attribute	Specification
Model Numbers	ZRC-90US, BW8510US
Brand	Remotec
Z-Wave Certification ID	ZC10-15100007
Frequency Region	U.S./Canada/Mexico (908.42 MHz)

Z-Wave Library Version	6.51.06
Device Category	Handheld Controllers
Dimensions (Approx.)	4.76 x 3.15 x 1.73 inches (12.09 x 8.00 x 4.39 cm)
Item Weight	3.52 ounces (99.79 grams)
Power Source	Battery-powered (Battery type not specified, check device compartment)
Operating Temperature	0°C to 40°C (32°F to 104°F) (Typical for indoor electronics)

9. SAFETY INFORMATION

- Do not expose the device to moisture or extreme temperatures.
- Do not attempt to disassemble or modify the device. This will void the warranty and could cause damage.
- Dispose of batteries according to local regulations. Do not mix old and new batteries or different types of batteries.
- Keep the device out of reach of children.
- Use only as intended for Z-Wave home automation control.

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided at the time of purchase or visit the official Remotec website. You may also contact your retailer for assistance.