Federal Communications Commission Statement

This equipment has been followed with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try and correct the interferene by one of the following measures:

- Reorient or relocate the receiving antenna,
- Increase the separation between the equipment and receiver,
- Connect the equipment into and outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undersired operation.

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.

Limited Warranty

Vision Guarantees that every wireless repeater is free from physical defects in material and workmanship under normal usage for one year from the date of purchase. If the product proves defective during this one-year warrany period, Vision will replace it free of charge. Vision does not issue any refunds. This warnnty is extended to the original end user purchase only and is not transferable. This warranty does not apply to : (1) damage to units caused by accident, dropping or abuse in handling, or any negligent usage; (2) units which have been repaired, taken apart, or modified by an unauthorized personnel; (3) units not used in accordance with instruction; (4) damanges exceeding the cost of the produt; (5) transit damage, initial installation costs, removal cost, or reinstallation cost.

For information on addional devices, plesae visit us at www.visionsecurity.com.tw

The Ultimate in Security & Automation

Installation & Operation Manual

ZR1202IN-5
ZR1202MY-5
ZR1202EU-5
ZR1202RU-5
ZR1202US-5
ZR1202IL-5
ZR1202KR-5
ZR1202HK-5
ZR1202JP-5
ZR1202BR-5

Z-Wave Repeater

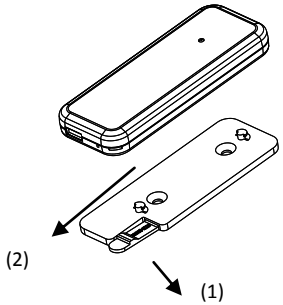
Introduction

Thanks for choosing the Vision's repeater of the home automation device. This module is a Z-Wave™ enabled device (interoperable, two-way RF mesh networking technology) and is fully compatible with any Z-Wave™ enabled network. Every main powered Z-Wave enabled device acts as a signal repeater and multiple devices result in more possible transmission routes which helps eliminate "RF dead-sports"

Z-Wave™ enabled devices displaying the Z-Wave™ logo can also be used with it regardless of the manufacturer, and ours can also be used in other manufacturer's Z-Wave™ enabled networks. This device take existing Z-WAVE signal, repeat and send it to a longer range where it is too far away for the controller (supporting FLiRS devices).

Product Description and Specification

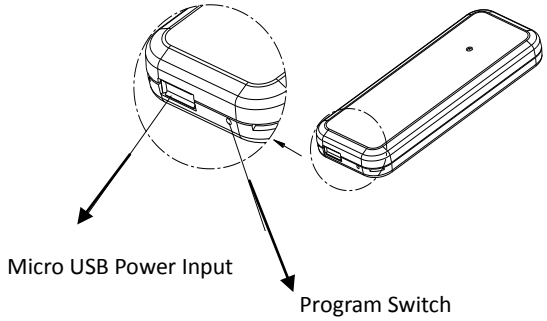
*** For indoor use only ***



Release the bracket:

(1) Press

(2) Slide down to release the bracket



Specification:	**Package Content:**
Protocol: Z-Wave™ (ZM4102) Frequency Range: 865.22MHz (ZR1202IN-5) 868.10MHz (ZR1202MY-5) 868.42MHz (ZR1202EU-5) 869.00MHz (ZR1202RU-5) 908.42MHz (ZR1202US-5) 916.00MHz (ZR1202IL-5) 979.70MHz (ZR1202KR-5) 919.80MHz (ZR1202HK-5) 920-928MHz(ZR1202JP-5) 921.42MHz (ZR1202BR-5) **Operating Range: Up to 200 meters** Operating Temp.: -15˚C~ 60˚C (5˚F ~140˚F) Operating Voltage: 5V/DC Current Consumption: 300mA (±50mA)	1pc ZR1202 Repeater module 1pc ZR1202 Repeater Bracket 1pc Adapter (Optional) 1pc Installation & Operation Manual

Z-Wave™ Command Class:

COMMAND_CLASS_ASSOCIATION_GRP_INFO

COMMAND_CLASS_ASSOCIATION_V2
COMMAND_CLASS_DEVICE_RESET_LOCALLY
COMMAND_CLASS_FIRMWARE_UPDATE_MD_V2
COMMAND_CLASS_MANUFACTURER_SPECIFIC_V2
COMMAND_CLASS_POWERLEVEL
COMMAND_CLASS_VERSION_V2
COMMAND_CLASS_ZWAVEPLUS_INFO

※Note: Suitable adapter specification:

-Micro USB Power Input
-Operating Voltage: 5V/DC
-Current Consumption: 500mA

Installation

Notice: If you are installing the entire Z-Wave™ system for the first time, please refer to the installation guide of Z-Wave™ Interface Controller before installing ZR 1202 Repeater Module.

1. Fix the repeater under the vertical way as high as possible then insert the suitable **Micro USB Power Adaptor** to the ZR1202 then it will go to the Learning Mode automatically. (The LED will start flash which means the repeater has not been "Include" yet.)
2. For "**Inclusion**" in (adding to) a network: Put the Z-Wave™ Interface Controller into "inclusion" mode and following its instruction to add the ZR1202 to your controller. To get into the "inclusion" mode, the distance between module and controller is suggested to be in one meter. Press the program switch on the ZR1202 three times in 3 seconds. The LED should stop flashing, if not, please try again.

   For "**Exclusion**" from (removing from) a network: Put the Z-Wave™ Interface Controller into "exclusion" mode, and following its instruction to delete the ZR1202 from your controller. Press the program switch on the ZR1202 three times in 3 seconds to be excluded.
   Note: LED setting light will flash continuously in Exclusion condition.
3. Use "Power Level Set" command for setting the strength of RF during one period.
4. Use "Power Level Test Node Set" command to test the direct signal for fixed node.
5. Support Repeaters for routing (FLiRS included)
6. Support Explorer Frame function
7. Press Program Switch for 5 seconds, the ZR1202 will reset back to factory default. (Remark: This is to be used only in the case of primary controller being inoperable or otherwise unavailable.)
8. Support OTA Firmware update from controller. Please refer to your controller manual. Once OTA function success, please make sure to exclusive the device & inclusive again before use the device.

★ **The ZR1202 operating range will be up to 200 meters open site under the correct installation!!**