

Specification:	Package Content
Protocol: Z-Wave™ (ZM5202) Frequency Range: 865.22MHz (ZM1611IN-5) 868.10MHz (ZM1611MY-5) 868.42MHz (ZM1611EU-5) 869.00MHz (ZM1611RU-5) 908.42MHz (ZM1611US-5) 916.00MHz (ZM1611IL-5) 920~923MHz (ZM1611KR-5) 919.80MHz (ZM1611HK-5) 922~926MHz (ZM1611JP-5) 921.42MHz (ZM1611BR-5) Operating Range: Up to 100 feet line of sight Loud Audible Alarm: 85db@1meter Operating Temp.: -15°C~ 60°C (5°F~140°F) Battery: 3pcs x AA Energizer Batteries	1pc ZM1611-5 U-Bell 1pc Adhesive tape 3pcs AA Energizer Batteries 1pc User Manual
The frequency and maximum transmitted power in EU are listed as below: ZM1611EU-5: 868.40 – 868.42 MHz: -3.52 dBm	

Z-Wave Command Classes:

COMMAND_CLASS_ASSOCIATION_GRP_INFO
 COMMAND_CLASS_ASSOCIATION_V2
 COMMAND_CLASS_BATTERY
 COMMAND_CLASS_DEVICE_RESET_LOCALLY
 COMMAND_CLASS_FIRMWARE_UPDATE_MD_V4
 COMMAND_CLASS_MANUFACTURER_SPECIFIC_V2
 COMMAND_CLASS_POWERLEVEL
 COMMAND_CLASS_SECURITY
 COMMAND_CLASS_SECURITY_2
 COMMAND_CLASS_SUPERVISION
 COMMAND_CLASS_TRANSPORT_SERVICE_V2
 COMMAND_CLASS_VERSION_V3
 COMMAND_CLASS_ZWAVEPLUS_INFO_V2
 COMMAND_CLASS_SOUND_SWITCH (Mapping COMMAND_CLASS_BASIC)

Z-Wave S2 Support Command Classes :

COMMAND_CLASS_ASSOCIATION_GRP_INFO
 COMMAND_CLASS_ASSOCIATION_V2
 COMMAND_CLASS_BATTERY
 COMMAND_CLASS_DEVICE_RESET_LOCALLY
 COMMAND_CLASS_FIRMWARE_UPDATE_MD_V4
 COMMAND_CLASS_MANUFACTURER_SPECIFIC_V2
 COMMAND_CLASS_POWERLEVEL
 COMMAND_CLASS_SOUND_SWITCH
 COMMAND_CLASS_VERSION_V3

ZM1611-5-5 | V1 | 1080705



Installation & Operation Manual

U-Bell

ZM1611IN-5
 ZM1611MY-5
 ZM1611EU-5
 ZM1611RU-5
 ZM1611US-5
 ZM1611IL-5
 ZM1611KR-5
 ZM1611HK-5
 ZM1611JP-5
 ZM1611BR-5

www.visionsecurity.com.tw



Introduction



Thanks for choosing the Vision's wireless U-Bell of the home security device. This U-Bell is a Z-Wave™ enabled device (interoperable, two-way RF mesh networking technology) and is fully compatible with any Z-Wave™ enabled network and it's security framework. 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 product is an innovative smart bell for identifying different event by specific melody. Melody everywhere to make your home your own, ubiquitous, unique & universal, support WAV Format up To 300 seconds under unlimited files on any Z-Wave™ enabled network.

When the device is secure included into Z-Wave network, above communication will be encrypted.

Limited Warranty

Vision Guarantees that every wireless U-Bell is free from physical defects in material and workmanship under normal use for one year from the date of purchase. If the product proves defective during this one-year warranty period, Vision will replace it free of charge. Vision does not issue any refunds. This warranty 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 use; (2) units which have been subject to unauthorized repair, taken apart, or otherwise modified; (3) units not used in accordance with instruction; (4) damages exceeding the cost of the product; (5) transit damage, initial installation costs, removal cost, or reinstallation cost. For information on additional devices, please visit us at www.visionsecurity.com.tw

Federal Communications Commission Statement

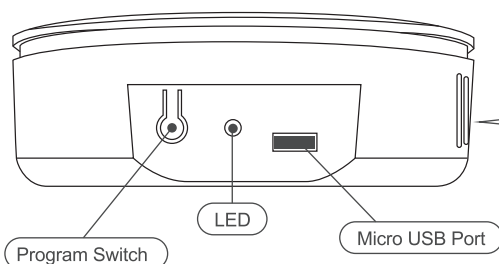
FCC Statement

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 undesired operation.

FCC Caution

“the user that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.”

FCC Statement in User's Manual (for class B) FCC Section 15.105 “Federal Communications Commission (FCC) Statement”
 This equipment has been tested and found to comply 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 instructions, 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 to correct the interference by one or more of the following measures:
 -- Reorient or relocate the receiving antenna.
 -- Increase the separation between the equipment and receiver.
 -- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
 -- Consult the dealer or an experienced radio/TV technician for help.

**Note:**

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 ZM1611-5.

1 LED Status for Z-Wave Network:

After power on and press the Program Switch, the LED will flash for 30 seconds if the U-Bell has not been included yet. After power on and press the Program Switch, the LED will go off if the U-Bell has been included.

- 2 For "Inclusion" in (adding to) a network:** Put the Z-Wave™ Interface Controller into "inclusion" mode, and following its instruction to add the ZM1611-5 to your controller. To get in the "inclusion" mode, press and hold the program switch of ZM1611-5 for 3 seconds at least & release to be included. After setting, the LED should go off, if not, please try again. (After sending one time's Z-Wave NIF and not be included then it will send 4 times NWI in every 30 seconds for auto inclusion. The LED will flash again if the U-Bell has not been included or the LED will go off after inclusion.)

For "**Exclusion**" from (removing from) a network: Set up the Z-Wave™ Interface Controller into "exclusion" mode, and following its instruction to remove the ZM1611-5 from your controller. Press and hold the program switch of ZM1611-5 for 3 seconds at least & release to be excluded. The LED will flash again after exclusion.

For "**Association**": The Z-Wave™ interface controller set "Association", and following its instruction to associate the ZM1611 with other device. Support grouping identifier=1 (Lifeline). Support one association group (=5 nodes). "Association" is used for other grouping devices chain reaction.

- 3** Command Class "Sound Switch Number Get" for getting the total melody number report, the maximum supported melody number is 254.
- 4** Command Class "Sound Switch Tone Info Get" for getting the specific melody number information.
- 5** Reset: Press and hold the Program Switch for 5 seconds "at least", power on until the LED turns on then release the switch, U-Bell will send Command Class Device Reset Locally for Reset Process. (Remark: This is to be used only in the case of primary controller being inoperable or otherwise unavailable.)
- 6** Support OTA Firmware update from controller. Please refer to your controller manual. Once OTA function success, we recommend you exclusive the device & inclusive again before use the device.
- 7** Support SECURITY S0, SECURITY S2 UNAUTHENTICATED & SECURITY S2 AUTHENTICATED.
- 8** Support SmartStart, please scan the QR Code on U-Bell for SmartStart. QR code and PIN is located on the device, also there is a Full DSK string on the enclosed DSK card. Please keep DSK card carefully for future inclusion needed.
(P.S.: Z-Wave SmartStart aims to shift the tasks related to inclusion of an end device into a Z-Wave network away from the end device itself, and towards the more user-friendly interface of the gateway.)

- 9** A Security Enabled Z-Wave Controller must be used to fully utilize the products.
- 10** All the rest commands depend on Z-Wave standard.

Operation

1 Melody Selection:

* Manual: Press the program switch once for playing the default melody or stop the melody while playing under one time pressing, press twice quickly for changing the default melody to the next melody and playing.

* Command Class by Gateway: Use "Sound Switch Configuration Set Command" for setting "Volume & Default Melody" by following:

- Volume: 0 ~ 100 or 0xFF (Restore most recent non-zero volume level)

Volume	Actual Speaker Volume
0	0% (Will Not Play Melody)
1~100	100%

- Default Tone ID: 1 ~ maximum supported melody number. (Maximum: 254) or "0" (Keep same default melody).

2 Melody Play:

* Play: Command Class "Sound Switch Tone Play Set (1 to the maximum supported melody number)". Command Class "Basic Set (1 to the maximum supported melody number)".

* Stop: Command Class "Sound Switch Tone Play Set (0)". Command Class "Basic Set (0)".

* Play Default Melody: Command Class "Sound Switch Tone Play Set (0xFF)". Command Class "Basic Set (0xFF)".

3 Battery Capacity Detection:

* Use "Battery Get" command to have the battery capacity back in % (hexadecimal)

* Auto Battery Capacity Detection under a wake up situation by pressing the button or RF connection (but not under the melody playing situation.)

* Low Battery Report. (Low Voltage: 3.7V±0.1V)

4 File Transmission:

* Use micro USB cable for file transmission."

* Support XP、WIN7、WIN8 & WIN10

* Press the Program Switch or Power On again for completing the File Transmission.