UM-ZW xGen Z-Wave Module Installation Manual

Product Summary

The UM-ZW allows you to add and control Z-Wave certified devices on an xGen series control panel.

The maximum recommended data bus length is 800 m. The wireless receiver can be powered from the xGen control panel data bus.

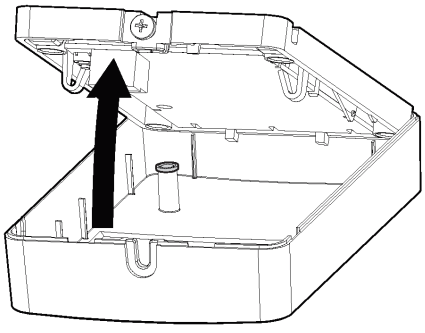
Installation Guidelines

When installing the receiver:

- Leave 10cm clear around all sides of the module for better signal reception.
- Avoid installing on or near metal surfaces such as filing cabinets and metal roller shutters.
- Avoid installing on or near electrical devices such as fridges, vacuum cleaners, air conditioners, computers, washing machines, and motors.
- Avoid areas that are damp and wet such as inside bathrooms and cool rooms.

Installing the Module

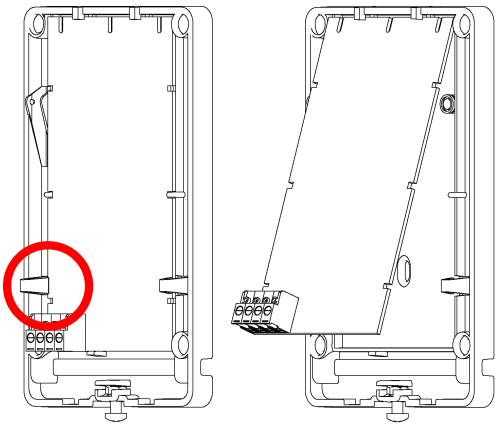
1. Turn the receiver face down, loosen the bottom screw, and lift the base upwards. This will ensure the internal tamper switch remains in place.



PLEASE READ THE ULTRASYNC MODULAR HUB REFERENCE GUIDE BEFORE USING THIS PRODUCT WHICH INCLUDES IMPORTANT SAFETY AND LEGAL INFORMATION INCLUDING WARNINGS, WARRANTY DISCLAIMERS, AND LIMITATIONS OF LIABILITY, AND COMPLETE INSTRUCTIONS ON HOW TO ENROLL AND CONFIGURE EXPANSION MODULES. THE REFERENCE GUIDE IS AVAILABLE AT:
http://www.interlogix.com/intrusion/product/ultrasync-modular-hub

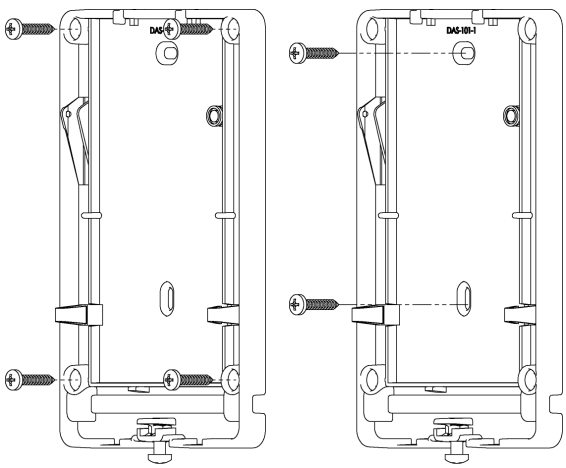
S'IL VOUS PLAÎT LIRE LE GUIDE DE REFERENCE POUR LE HUB UltraSync MODULAIRE AVANT D'UTILISER CE PRODUIT QUI COMPREND LA SÉCURITÉ IMPORTANT ET JURIDIQUES INFORMATIONS, Y COMPRIS LES AVERTISSEMENTS, GARANTIE EXCLUSIONS, ET LIMITATIONS DE RESPONSABILITÉ ET INSTRUCTIONS COMPLETES SUR COMMENT ENROLLER ET CONFIGURER LES MODULES D'EXPANSION. LE GUIDE DE RÉFÉRENCE
EST DISPONIBLE AU: http://www.interlogix.com/intrusion/product/ultrasync-modular-hub

2. Carefully remove the circuit board from the plastic housing by squeezing on the side tabs.



3. Feed the buss cable through one of the cable holes.

4. Screw the rear plastic housing to a fixed surface. Higher positions generally provide better signal reception.



5. Re-install the circuit board in to the plastic housing.

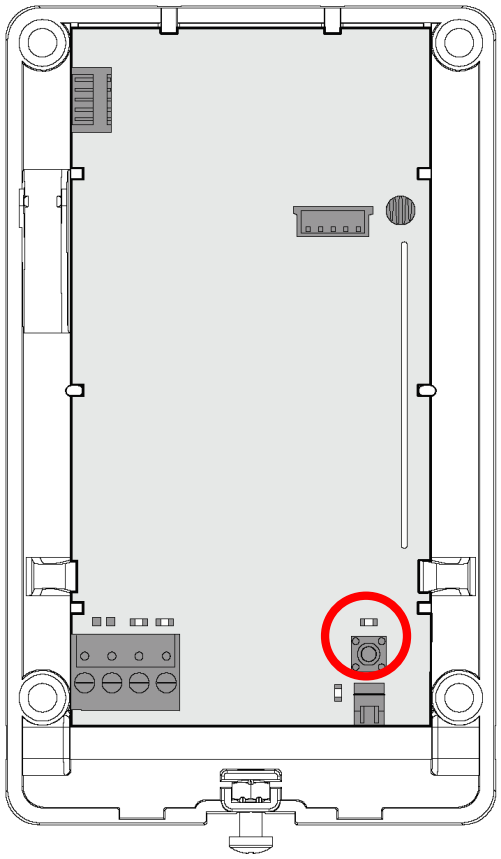
6. Connect the buss cable to J4 terminal header on the UM-ZW. Refer to control panel installation manual for cable requirements.

7. Install J3 TERM link if required. Refer to xGen Installation & Programming Guide.

8. Turn on the power to the control panel and wait for panel to complete initialisation.

9. The LED next to the ENROLL switch will blink three times each second to indicate it is not learnt in. Push and hold the ENROLL switch on the xGen panel for 3 seconds to perform enrollment.

10. The LED next to the ENROLL switch will blink once per second to indicate it is learnt in.



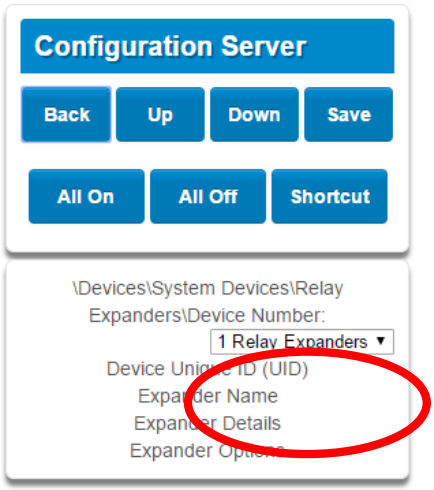
UM-ZW Device Programming

Programming is performed via the xGen control panel.

1. Log in to the xGen control panel.

2. Click *Advanced – Devices – System Devices – Relay Expanders.*

3. Select the UM-ZW device number from the drop down box:



4. Click *Expander Name* to set the module name. The default is "Z-Wave Expander".

5. Click *Save* to save changes.

6. Click *Back.*

7. Click *Expander Options.*

8. If tamper is required, tick *Tamper Enable.*

9. Click *Save* to save changes.

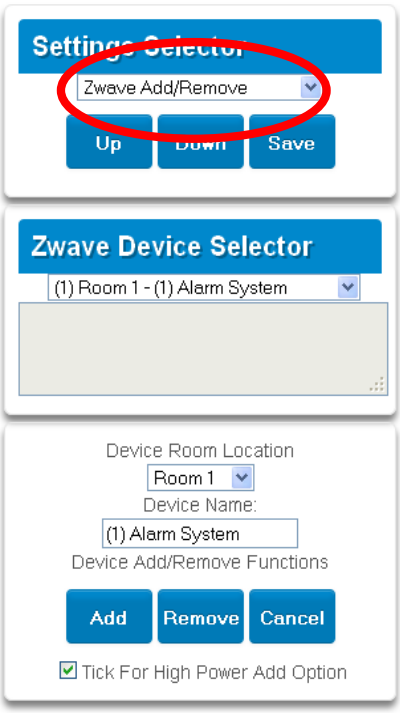
10. Re-install the front plastic housing taking care with the internal tamper switch, then tighten the bottom screw.

Adding Z-Wave Devices

1. Log in to the xGen control panel.

2. Click *Settings.*

3. Select *Z-Wave Add\Remove* in the drop down menu.



4. Click Add.

5. Initiate LINK or ADD mode on Z-Wave device. See your Z-Wave device's manual for instructions.

6. **Note:** If a Z-Wave device has been added before or to another system, you must first remove it before adding it to this system. To do this, click Remove, then activate LINK or REMOVE mode on the device.

7. Click Rooms.

8. Check you can see the device you just added. Click a button such as ON or OFF to verify you can control the device.

Automation Scenes

Once Z-Wave devices have been added, they can be switched on and off in response to system events. Refer to the *xGen Installation & Programming Guide* for instructions on creating automation scenes.

Supported Z-Wave Devices

Type	Description
Binary On/Off Switch	Non-secure mode, for controlling appliances such as lamps, TV, garage door opener, and other devices that connect to a power point.
Dimmer	Non-secure mode, for controlling brightness level of dimmable lights.
Door Locks	Secure mode only, supports locking, unlocking, PIN code share, and status.
Thermostat	Non-secure mode, control temperature set points, on, off, fan, mode, and temperature reading.

Note on Range

Z-Wave devices form a wireless mesh network where each device acts as a short-range repeater.

Battery powered devices are not recommended for use as repeaters due to limited battery life. To extend the range of your Z-Wave network, install mains powered Z-Wave devices such as an On/Off power point.

For example, when adding a door lock, ensure there is at least one mains powered Z-Wave device between the lock and the UM-ZW Z-Wave Module to provide more reliable wireless coverage.

Specifications

- Compatibility: xGen control panels
- Frequency: 908.42 MHz in US, 868.42 MHz in EMEA, 921.42 MHz in ANZ
- Required Power: 12.0 VDC (provided by panel)
- Current Draw: 80 mA maximum
- Operating Temperature Range 0° to 49°C (32° to 120°F)
- Storage Temperature: -34° to 60°C (-30° to 120°F)
- Maximum Humidity: 90% relative humidity non-condensing
- Dimensions: 155 mm H x 95 mm W x 68 mm D

Manufacturer	Placed on the market by: UTC Fire & Security Americas Corporation, Inc. 3211 Progress Drive, Lincolnton, NC, 28092, USA

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 when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

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.

This class B digital apparatus complies with Canadian ICES-3B.
Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Caution: Any changes or modifications not expressly approved by the party responsible for compliance to this equipment would void the user's authority to operate this device.

This Device complies with FCC & ISED radiation exposure limits.

This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions:
(1) This device may not cause interference; and
(2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :
1) l'appareil ne doit pas produire de brouillage;
2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Fire Statement	This product may be sold in the state of California for security and residential fire purposes only. It may not be sold or used in conjunction with commercial fire alarm systems per California Code of Regulations. For installations elsewhere, consult with local authorities. If prohibited for use with a commercial fire system, such as in the state of California, the Manual Fire SOS button on the keypad must be disabled in the panel (Settings – Areas).

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Contact Information

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For technical support, see www.interlogix.com/support

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Customer Support

For technical support, see www.interlogix.com/support