

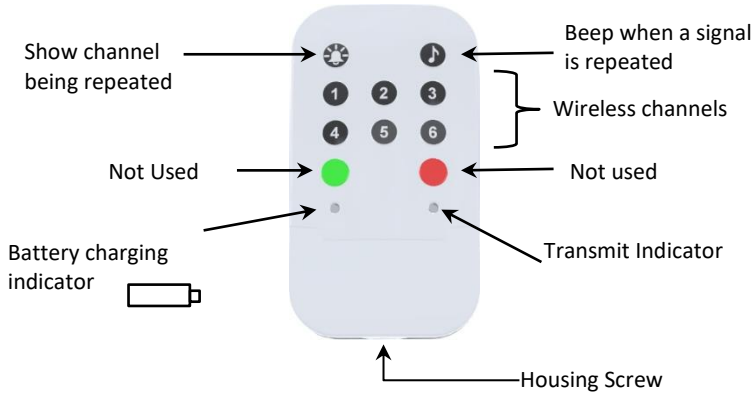


Xwave Repeater Operations Guide

Thank you for purchasing the Xwave repeater. The repeater works on the 433Mhz frequency range and only repeats the signals from a known Xwave device. The unit can also indicate that signals are being repeated by turning on the button that corresponds to the channel being repeated or a beep each time a signal is repeated.

Figure 1: Xwave repeater

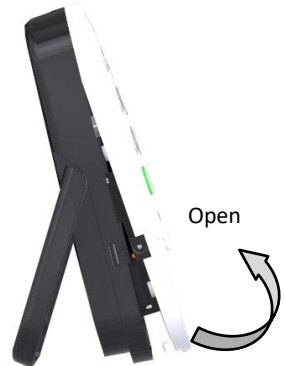
A.



B.



C.

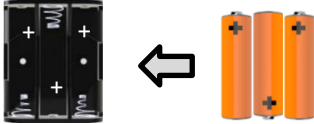


Adding Batteries

The 3 x AA rechargeable batteries need to be installed into the unit first.

1. Rotate the stand to access the screw. (Figure B & C above)
2. Remove the housing screw with a flat screw driver.
3. Open the housing by pulling the bottom of the white housing away from the black housing as there are clips at the top hold the housing together. (Figure C above)
4. Place the 3 AA batteries into the battery holder as indicated on the battery holder and figure 2.
5. Once the batteries are inserted clip the white front housing into top clips and bring the bottom of the front and back housing together and insert screw.

Figure 2: Batteries



Learning detectors into a channel

Six Xwave detectors can be learnt into any of the six channels. (One detector per channel.)

Note: Please see detector manuals for information on tampering.

1. Make sure the system is in idle mode by making sure none of the visual modes are selected. (See visual Indicators sections.)
2. Press the channel button for 3 seconds, until a beep is heard, and the button begins to flash.
3. Tamper the detector to be paired with this channel.
4. Button will stop flashing and illuminate for 5 seconds as a 1 second beep is heard to indicate detector has been learnt.
5. Programming will be exited.
6. Follow steps 1 to 5 for each channel being learnt.

Note: Programming will automatically be exited after 60 seconds of no activity or if the channel button is pressed for 3 seconds without a detector being tampered.

Delete a channel

1. Make sure the system is in idle mode by making sure none of the visual modes are selected. (See visual Indicators sections.)
2. To confirm a detector has been learnt into the channel, press and release the channel button and the channel LED will illuminate for 5 seconds.
3. Press channel button for 10 seconds, wait for the triple beep indicating that the channel is now detector free.
4. Delete mode is automatically exited when detector is deleted.


Visual Indications


Chime on Repeat

In the chime on repeat mode each channel that is set to chime, when repeated, will chime the number of times of the channel number and the zone LED will flash for 2 minutes.

Example: If zone 2 & 5 are selected to chime and channel 5's signal is repeated the unit will chime 5 times and when channel 2's signal is repeated the unit will chime 2 times and the zone LED will flash for 2 minutes.

TURN ON CHIME ON REPEAT

1. Make sure the system is in idle mode by making sure none of the visual modes are selected.
2. Press chime on repeat button  once. (All channels are selected by default.)
3. Button and channel LEDs will come on for 6 seconds to indicate chime on repeat has been switched on and zones can be selected to not chime if repeated.
4. Select channels not to chime:
 - a. Press each channel button, you wish not to chime, and the button LED will go off, indicating it has been deselected.

Note: You have 6 seconds to select or deselect a channel from chime on repeat mode being initiated and 6 seconds between each selection and deselection. If no channels are selected or deselected the unit will go into chime on repeat mode. Chime on repeat button  will illuminate and all zone LEDs will switch off.



TURN OFF CHIME ON REPEAT

1. Press chime on repeat button  once.
2. Chime mode is exited and all deselected chime on repeat channels are cleared.

Visual indication on repeat

The Xwave repeater can be set in a visual mode to visually indicate if a channel is being repeated.



TURN ON VISUAL INDICATORS

1. Press the visual indicator button  once.
2. The  button LED will flash for 6 seconds.

Note: During the 6 second period any channel you wish to not show, press their respective buttons and on each press a further 6 seconds will be initiated to give you time to select the next channel to be switched off.

3. After 6 seconds of no activity the visual indicator LED will remain on to indicate that the repeater is ready to indicate repeated channels.

TURNING THE VISUAL INDICATION MODE OFF

1. Press the visual indicator button  once.
2. The  LED will go off.

Information LED

The information LED will flash whenever a signal is repeated.

Battery conditions

- On = Battery low

Important NiMH battery charging considerations

- NiMH cells will not work in temperatures below 10 degrees Celsius.
- High temperatures result in higher self-discharge, i.e. hot vehicle
- Never mix batteries from different manufacturers or capacities.
- Never mix batteries of different chemistries, i.e. NiCd, NiMH, Lithium, Etc.
- Never remove batteries while charger is connected.
- Around 300-400 charge cycles is the limit for NiMH cells.
- Only use 1.2V NiMH AA cells with a capacity of 2100mAh or higher.
- Never connect the charger when non-rechargeable batteries are powering the unit.
- If there is a loss of AC power, disconnect charger to prevent surge from damaging the unit when power is restored (Suggestion: use the unit until its empty again, before re-connecting charger).

Technical specs

Wireless transmission Frequency: 433MHz

Wireless transmission distance: 100m line of sight

Batteries: 3 x 'AA' NiMH 1.2V, 2100mAh

DC charge input 12V, 1.5A

Current Draw:

Standby: 35mA

Alarm: 100mA