Manuals+ — User Manuals Simplified.

DEVELCO PRODUCTS H6500220-1 Zigbee Range Extender Installation Guide

Contents

DEVELCO
P R O D U C T S

DEVELCO PRODUCTS H6500220-1 Zigbee Range Extender Installation

INSTALLATION MANUAL

Product description

The Zigbee Range Extender expands the range of your solution and makes it possible to add more devices. The Zigbee Range Extender has a battery backup, so it will still be able to function in case of a power cut.

Disclaimers

CAUTION

- Shocking hazard! Do not plug into power if the products have any sign of damage or exposure of wires.
- Choking hazard! Keep away from children. Contains small parts.
- Please follow the guidelines thoroughly. The Zigbee Range Extender is a preventive, informing device, not a guarantee or insurance that sufficient warning or protection will be provided, or that no property damage, theft, injury, or any similar situation will take place. Develco Products´cannot be held responsible in case any of the above-mentioned situations occur.

Precautions

- **WARNING:** For safety reasons, always make sure to disconnect the Zigbee Range Extender from the power

socket before removing the front cover.

- Do not remove the product label as it contains important information.
- Be aware that electronics are sensitive to static electricity, so aim to discharge before touching, and avoid touching any components inside the device.
- Do not paint the device.
- Disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery can result in an explosion.
- Leaving a battery in an extremely high temperature surrounding environment can result in an explosion or the leakage of flammable liquid or gas.
- A battery subjected to extremely low air pressure may result in an explosion or the leakage of flammable liquid or gas.
- The socket-outlet shall be installed near the equipment and shall be easily accessible
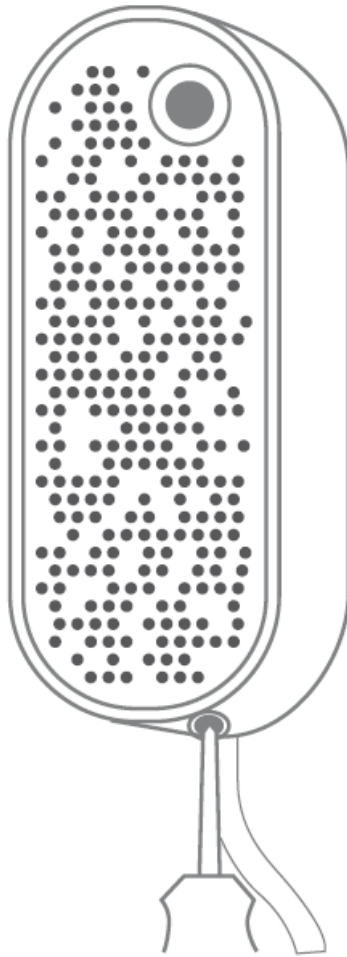
Placement

PLACE THE ZIGBEE RANGE EXTENDER
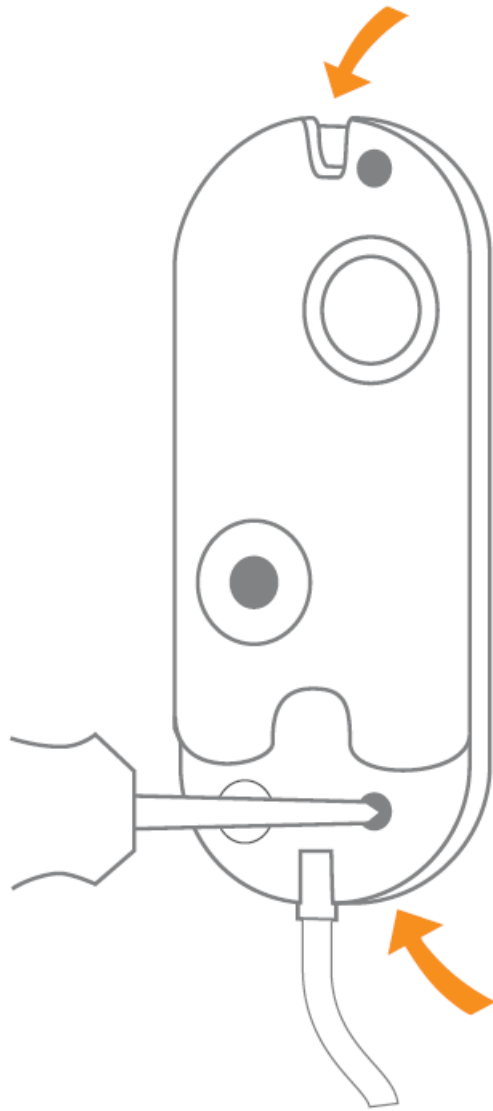
- Indoors at a temperature between 0-50°C.
- On a wall, where it is reachable for maintenance. It cannot hang on the cable.
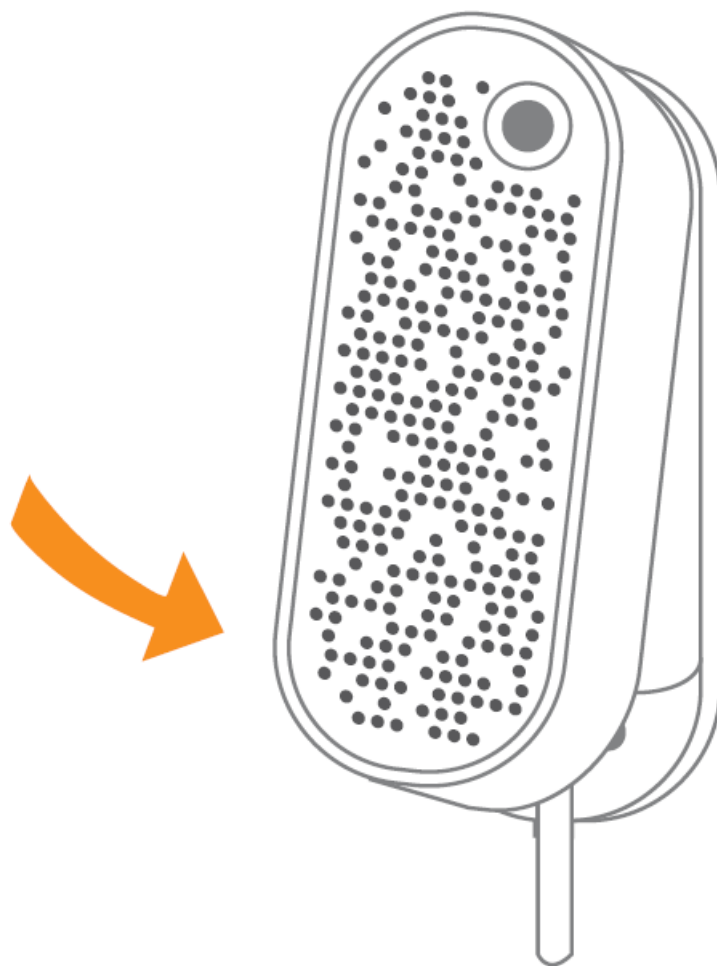
Getting started

1. Open the casing of the device by removing the screw at the bottom of the device (Thread size M3, Length 8mm).
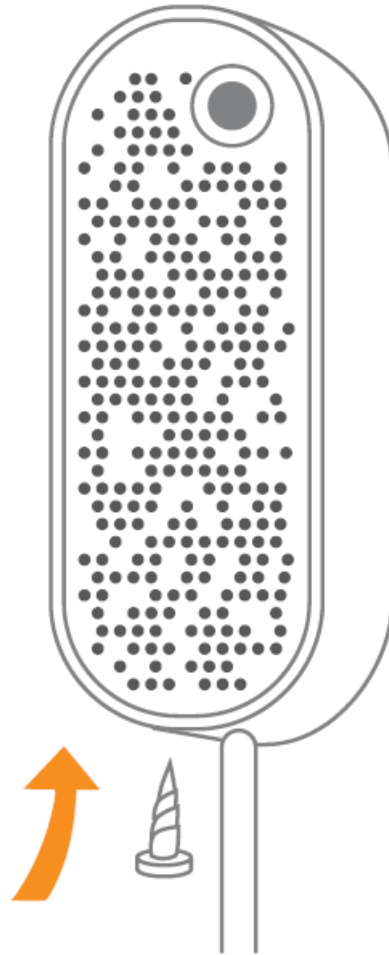
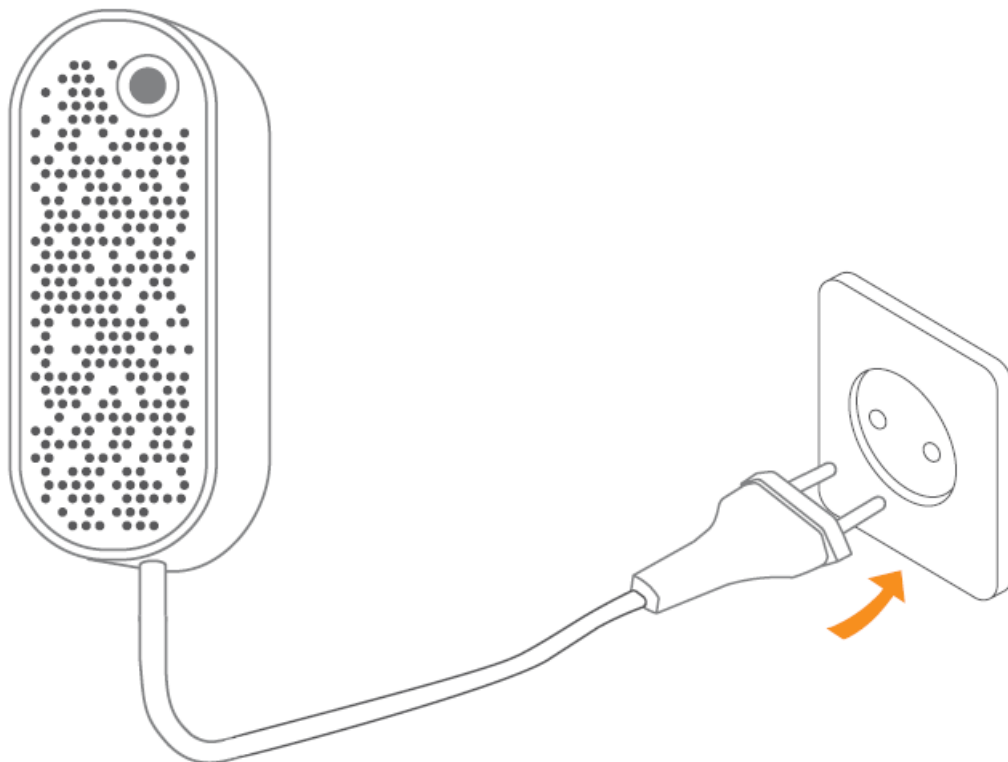2. Use the included screws to mount the range extender on the wall.

3. Attach the front cover to the device by hooking the front cover to the top of the mounted device and pushing the front cover against the device.

4. Insert a screw at the bottom of the device.

5. Insert the plug of the cable attached to the Zigbee Range Extender into a power socket
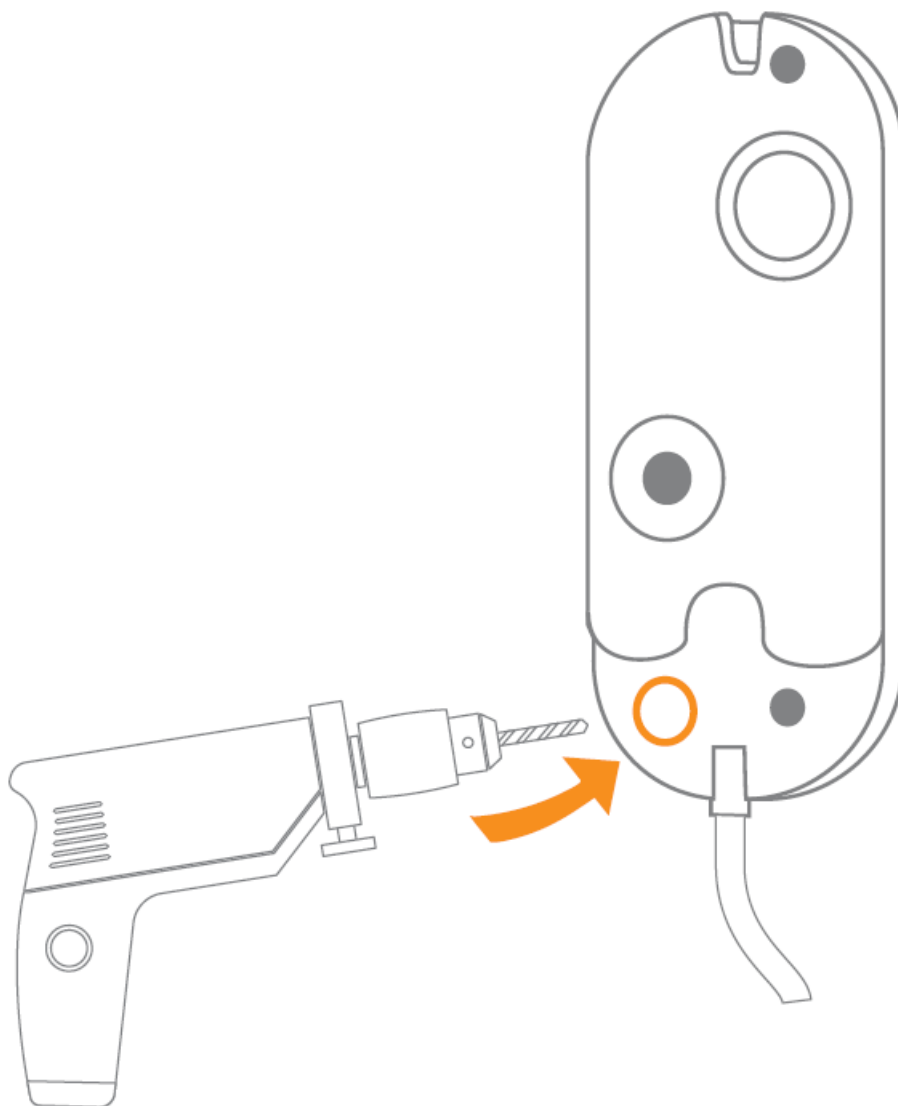

6. When the device is powered up, the Zigbee Range Extender will start searching (up to 15 minutes) for a Zigbee network to join. While the device is searching for a Zigbee network to join, the yellow LED flashes.
7. Make sure that the Zigbee network is open for joining devices and will accept the range extender.
8. When the LED stops flashing, the Zigbee Range Extender has successfully joined the Zigbee network.

9. If the scanning has timed out, a short press on the menu button will restart it

ALTERNATIVE INSTALLATION OPTION

Another installation option is to replace the included cable with an alternative cable. If the installation consists of an in-wall cable, drill a hole in the marked area, through which the cable needs to be inserted, and connect the cable to the Zigbee Range Extender. The cable is fastened with 2 screws (Thread size M3, Length 6mm).

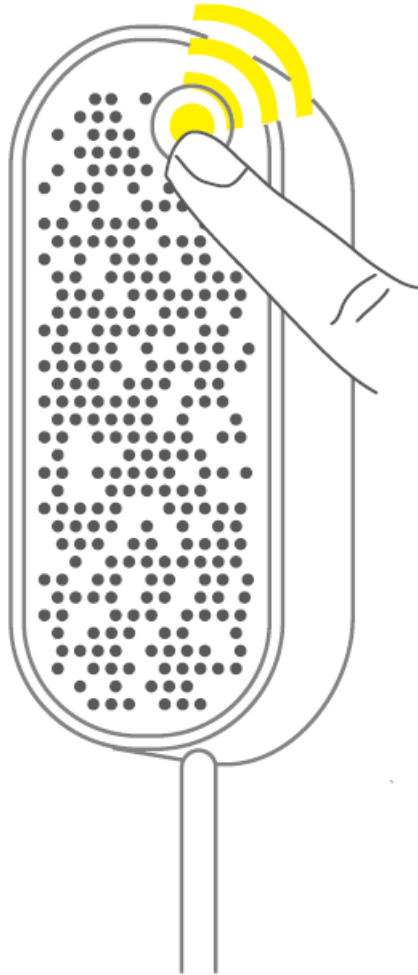**WARNING:** This installation should be carried out by a professional

Resetting

Resetting is needed if you want to connect your Zigbee Range Extender to another gateway or if you need to perform a factory reset to avoid abnormal behavior

STEPS FOR RESETTING

1. Connect the Zigbee Range Extender to a power outlet.
2. Press and hold the menu button the device

3. While you are holding the button down, the yellow LED first flashes once, then two times in a row, and finally numerous times in a row.
4. Release the button while the LED is flashing numerous times in a row.
5. After you release the button, the LED shows one long flash, and the reset is completed

Modes

SEARCHING GATEWAY MODE

The yellow LED flashes

MAINS POWERED

The green LED is on

BATTERY BACKUP (MAINS FAILURE)

The green LED flashes. This means that there is a mains failure, e.g. due to a power outage, and the device runs on battery for up to 14 hours

Fault finding and cleaning

- In case of a bad or wireless weak signal, change the location of the device. Otherwise, you can relocate your gateway or strengthen the signal with a range extender.

- If the search for a gateway has timed out, a short press on the button will restart it.

Disposal

Dispose the product properly at the end of its life. This is electronic waste which should be recycled. Disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, that can result in an explosion

FCC statement

Changes or modifications to the equipment not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

NOTE: 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.

This device complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. The antenna used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation

IC statement

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions

1. This device may not cause interference.
2. This device must accept any interference,

including interference that may cause undesired operation of the device. This equipment complies with IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator and your body.

ISED statement

Innovation, Science and Economic Development Canada ICES-003 Compliance Label: CAN ICES-3 (B)/NMB-3(B).

CE certification

The CE mark affixed to this product confirms its compliance with the European Directives which apply to the product and, in particular, its compliance with the harmonized standards and specifications

IN ACCORDANCE WITH THE DIRECTIVES

- Radio Equipment Directive (RED) 2014/53/EU
- RoHS Directive 2015/863/EU amending 2011/65/EU

All rights reserved

Documents / Resources

DEVELCO PRODUCTS H6500220-1 Zigbee Range Extender [pdf] Installation Guide
H6500220-1 Zigbee Range Extender, H6500220-1, Zigbee Range Extender, Range Extender, Extender

Manuals+,