

# ZigBee Extender 3

## Installation Guide



### Package contents

- ZCA-ZXT30 ZigBee Extender 3
- One North American 5VDC power supply
- One wall mounting Velcro strip

### Features





The ZigBee Extender 3 operates as a ZigBee® (IEEE 802.15.4) router and mesh extender. The Extender is designed to improve ZigBee signal latency that can occur when ZigBee devices are installed on the fringes of a ZigBee mesh network. The Extender is also used to extend the ZigBee network into distant or hard-to-reach areas.

The ZigBee Extender 3 works with your Control4 system and should be located within 500 feet of another routing node. For optimal results, the Extender should be located in areas of the project where the mesh may be weak or non-existent. The Extender should not be placed next to a controller.

### Requirements

- Composer Pro 2.0 or higher


### Important safety instructions

-  **Warning!** You should install this device in accordance with all national and local electrical codes.
-  **Important:** This product is not intended for direct connections to AC mains (120V/220V). Refer to specifications for more details.
-  **Important:** Improper use or installation of this device can result in LOSS OF/DAMAGE TO PROPERTY.
-  **Important:** Using this product in any manner other than outlined in this document voids your warranty. Also, Control4 is NOT responsible or otherwise liable in any way for any damage resulting from the misuse of this product. See the warranty for details.

### Specifications

- Power source: 5VDC power supply
- Power usage: 65mA at 5V
- Device temperature range
  - Operational -20°F to 158°F (-28°C to 70°C)
  - Storage -20°F to 158°F (-28°C to 70°C)
- Humidity 5% to 95% non-condensing
- Dimensions: 2.80 × 1.75 × 0.57" (77.1 × 44.5 × 14.4 mm)
- The ZigBee Extender 3 is **not** waterproof and must be kept out of direct contact with water. The product must **not** be immersed.
- Communications: ZigBee (IEEE 802.15.4) 2.4 GHz, 15-channel, spread spectrum radio

### Installation

- 1 Place the Extender in a location that ensures:
  - Easy access to an outlet
  - ZigBee mesh networking efficiency **Note:** Make sure the Extender gets good ZigBee wireless reception by:
  - Ensuring it is within 500 feet of another ZigBee device.
  - Ensuring the device is not installed by other electrical equipment that may cause interference with the ZigBee signal (such as some cordless telephones or other devices that operate on the 2.4 GHz frequency).
  - Avoiding exposure to extreme environmental conditions.
- 2 Add the driver to your project.
- 3 Power up the Extender using the supplied 5V power supply.
- 4 In Composer, choose **Connections** and click the **Network** tab.
- 5 Click the unidentified "ZigBee Extender 3" device, then press the clear identification button on the top of the Extender four times to identify it to the system. The LED should start flashing yellow. Once the Extender is identified in the system, the LED will turn solid blue. If identification fails, the LED will blink green several times, then revert to solid green.
- 6 After the Extender's MAC ID address appears in the **Identify** dialog box, click **Close**. The dialog box closes.  
  
After a few seconds, the Extender's LED should change to a solid blue, indicating it is successfully identified in the Control4 project.

# Troubleshooting

## Button press guide

- 4 button presses to identify and join ZigBee network
- 9 button presses to reset to factory defaults
- 13 button presses to remove it from the network
- 15 button presses to reboot

## LED color codes

Button will be:

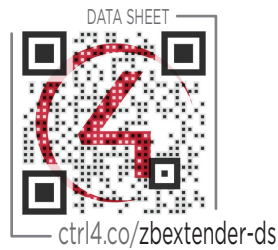
- Green** when unprovisioned.
- Yellow** when scanning for a network.
- Red** when it can't find a network.
- Blue** when it joins the network.

## Additional resources

The following resources are available for additional support:

- Control4 Knowledgebase and forums
- Control4 Technical Support
- Control4 website: [www.control4.com](http://www.control4.com)
- Composer documentation available at [ctrl4.co/docs](http://ctrl4.co/docs).

For the latest version of this document, open these URLs or scan the QR code on a device that can view PDFs.



## Regulatory/Safety information

To review Regulatory information for your particular Control4 products, see the information located on the Control4 website at [ctrl4.co/reg](http://ctrl4.co/reg).

## Patent information

Applicable patents are available at [ctrl4.co/patents](http://ctrl4.co/patents).

## Warranty

Visit [ctrl4.co/warranty](http://ctrl4.co/warranty) for details.