konnected

GDO blaQ

Smart Garage Door Opener Accessory
for Security+ and Security+ 2.0 garage openers
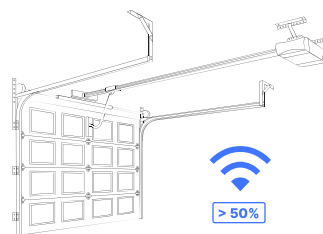
Made for **ESPHome**

Installation Guide │ GDOv2-Q

Make your garage door opener smart! The **Konnected Garage Door Opener** retrofits an older garage door opener, letting you open or close it and know if it's open in real-time with your favorite smart home app.

Works with most Chamberlain, LiftMaster, Craftsman and Merlin brand garage openers. Check the learn button color:

● Security+ 2.0 (2011-present)   ● Security+ (2005-2014)   ● Security+ (1997-2004)

Kit Contents

1. Smart Garage Door Opener
2. Power Adapter
3. Hook-Up Wire
4. Mounting accessories
5. Wall sticker

Scan for full documentation
→
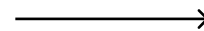
⚠ WARNING

To reduce the risk of injury to persons—

- Only install this product on a sectional garage door.
- Do not use this device with one-piece doors or swinging doors.
- Use only with garage door openers manufactured after 1993 with a functional obstruction sensor (beam).
- Do not disable the built-in audible and visual pre-closing warning.

IMPORTANT SAFETY INSTRUCTIONS

- Read and follow these instructions.
- Unplug all devices during installation to avoid the risk of electric shock and unwanted garage door movement.
- Do not install in a wet or damp location or allow to be exposed to moisture or weather.
- Secure all wires and cables to prevent them from falling in the path of the moving garage door or vehicles.
- When using a ladder, follow all warnings to avoid injury.
- Affix the warning sticker near the garage wall button.

AUTOMATE SMART 💡

This product provides the capability to automate the opening and closing of the garage door, potentially providing ingress to your home. YOU MUST EXERCISE CAUTION and due diligence when implementing such automations. ALWAYS THOROUGHLY TEST ALL AUTOMATIONS and ensure that the device's sensor is correctly and consistently reporting the state of the garage door.

STEP 1: Initial Setup

Connect to Wi-Fi

Connect your new GDO to Wi-Fi before installing it in the garage. Power on the device by plugging in the included power adapter. Using a smart phone or computer, connect to the WiFi network:

⊙ **konnected-xxxxxx**

if the Wi-Fi connection page doesn't open automatically, then open your browser and go to:

🌐 **http://192.168.4.1**

Select your Wi-Fi network and enter your password:

Find it Online

Download and install the Konnected app to easily discover and set up your GDO.

[Download on the App Store]   [GET IT ON Google Play]

ℹ You can also go to the device's IP address directly (without needing the Konnected app) by finding it in your router's app.

Go to **Add New Device** from the app menu to search for the device on your network.
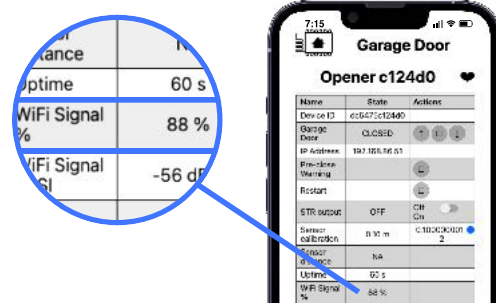

STEP 3: Physical Setup

Check Wi-Fi Signal in Garage

Move the device into the garage and plug it in.

> 50%

Tap **Open Web Page** to see the internal web interface of the Konnected GDO. Scroll down to **WiFi Signal %** to see the signal strength.

Ensure that the signal strength is **at least 50%** for best results.

|	
tance	
Jptime	60 s
WiFi Signal	88 %
iFi Signal	-56 d
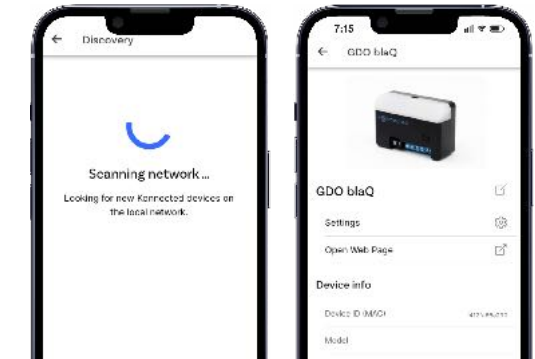
Mounting Option 1: Near the garage door motor

The GDO blaQ can be mounted on the ceiling, on the garage opener support beams, or on the garage opener itself and wired to the garage opener motor unit. Or, mount it on the wall and wire it to the wall button. Choose a location that has a nearby power outlet to plug it in, and mount it in an orientation so that the warning light is visible in the garage.
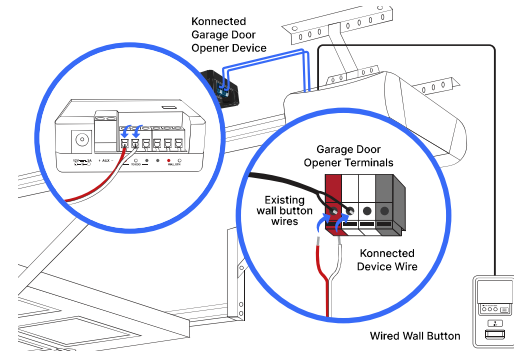
The simplest installation requires connecting only one pair of red and white wires. **Leave all existing wires in-place** and insert one end of the red and white wire into red and white terminals on back of the garage opener motor. Insert the other ends into the red and white terminals labeled TO GDO on the Konnected device. Secure the wire out of the way of the path of the moving garage door and mount the device using the included mounting screws or command strips.


Mounting Option 2: Near the wall button
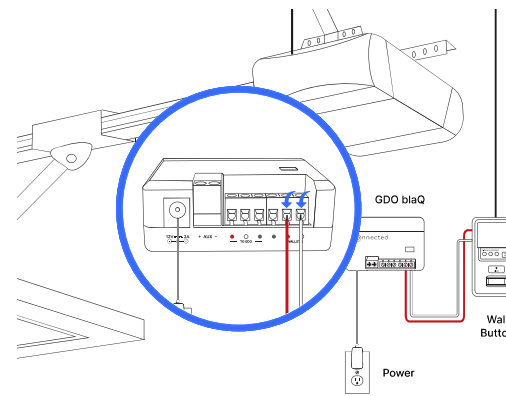
To mount on near the wall button, **leave all existing wires in-place** and connect one end of the red and white wires to the corresponding screws marked RED and WHITE (or R and W) on the back of the wall button, and the other end to the red and white terminals marked WALL BTN.

Optional: Additional Input

Either of he gray terminals may be used for an additional dry-contact input, such as a contact sensor or motion sensor. To connect a contact sensor, use the gray and white terminals. For a motion sensor, additionally connect to AUX +/- for power.

Optional: Pass-thru wiring

If it's too difficult to fit the additional wires for the GDO blaQ into the terminals with the existing button wires, the device is equipped with a pass-thru feature to make wiring cleaner.
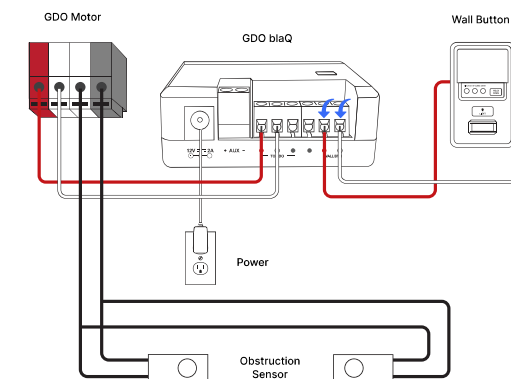
First, **remove** the wall button wires from the red and white terminals on the back of the motor unit and **reconnect them** to the red and white terminals labled WALL BTN on the Konnected device.

Then, connect the new red and white wire in their place, and connect the other ends to the red and white terminals labeled TO GDO. **Leave the existing wires for the obstruction sensor beam in place.**

Test Opening and Closing

Use your smart home app or the device's internal web page to test the open and close functions and check that the door status is read correctly. Open and close the door completely *without stopping* after setup. This is so the device can time how long it takes to open and close the door completely.
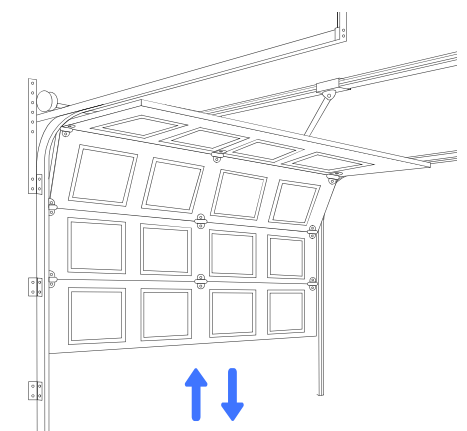
An audible & visual warning will activate for 5 seconds before the Konnected device triggers the garage door to close. This is a required safety feature and cannot be disabled.
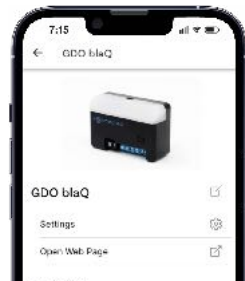
Cloud Setup
via Konnected App

Integration with SmartThings and Alexa is provided by the free Konnected Cloud service. Use the Konnected app to sign up for Konnected Cloud.

Get the App
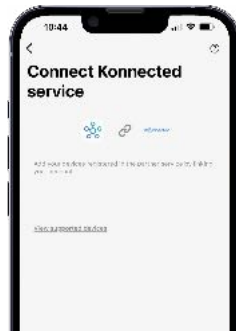

Tap **Settings** to configure your device for Konnected Cloud.

Then follow the steps in the app to **update the device firmware**.

Configure the Device
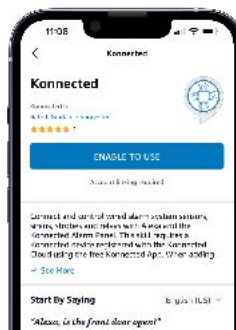

SmartThings

In the SmartThings app, tap the **+** icon and **Add device** > **Partner device** > **By brand** > **Konnected**

Follow the steps to link your Konnected Cloud account to SmartThings

amazon alexa

Install the **Konnected skill for Alexa** from the Alexa Skills store.

Follow the steps to link your Konnected Cloud account to Alexa.

Local Setup — Home Assistant

After connecting your GDO to WiFi, Home Assistant should discover it automatically.

Open Home Assistant (mobile app or web interface) and look for **New devices discovered** in the Notifications pane.
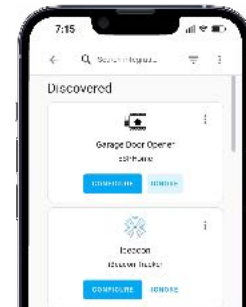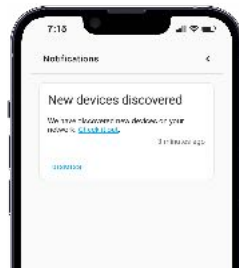
The GDO uses the built-in **ESPHome** integration. If it's not automatically discovered, go to Settings > Devices & Services > Add Integration > ESPHome to add it manually by IP address.

Now you can find the device named **Garage Door Opener** in Settings > Devices & Services > Devices.

The main control is the Garage Door entity. Tap Add To Dashboard for easy access.

Customization
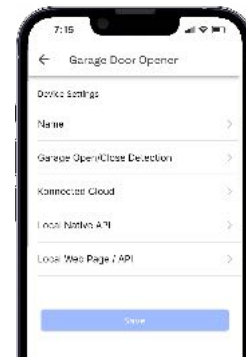
There are two ways to customize the settings of your new GDO.

Use the **Konnected App** to customize and update your GDO firmware using our service that builds ESPHome configs for you!

Or, install the **ESPHome Dashboard** Add-on for Home Assistant and *adopt* your device.

Check our support site for ESPHome config tips.

Konnected's GDO firmware is open-source!
konnected-io / konnected-esphome

Local Setup — Hubitat

Install the driver for the Konnected GDO blaQ using **Hubitat Package Manager**

Or download and import the *GarageDoorOpenerGDOv2Q.zip* file from our open-source drivers on GitHub: https://github.com/konnected-io/konnected-hubitat/releases

Next, in Hubitat got to Devices > Add a device. Then choose *Virtual*.
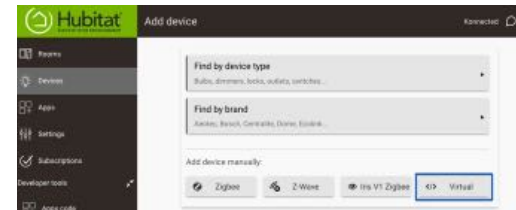
Fill in a Device Name. The Device Network Id should be auto-populated for you. Select Konnected Garage Door GDOv2-Q from the Type drop-down. It will appear at the bottom of the drop-down under the User heading.
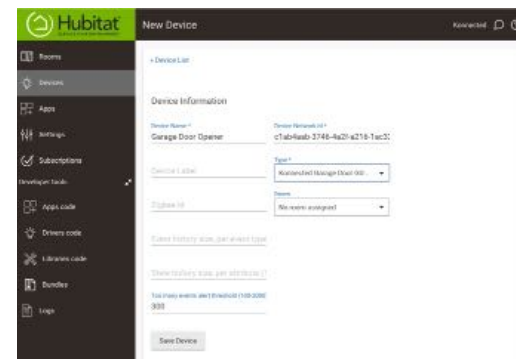
Find the IP Address of the device on your local network. You find this in the Konnected App, or by looking in your router's app or for a device named konnected-XXXXXX. Enter the IP address in the device's Preferences section and Save Preferences.
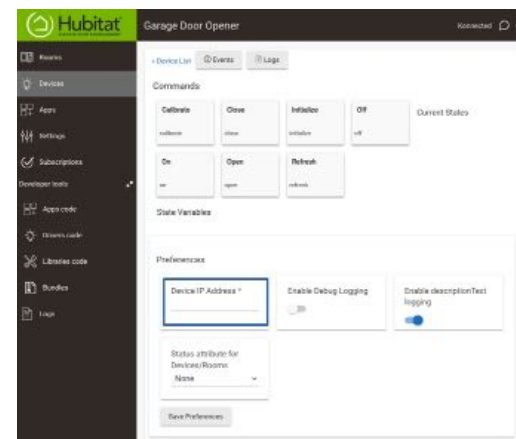
After saving the IP Address, Hubitat will connect to your device and automatically populate states! Your Garage Door Opener is ready to install and use.

Power In (Power Adapter Included)
Internal Sounder
AUX power out
Wire Terminals (see table below)

Built-In Warning LED Strobe Light
USB Port (For Servicing Firmware)

Input voltage	5-24 VDC (12V recommended)
AUX output voltage	Same as input (pass-through)
🔴 Red	Garage opener Security+ 1.0/2.0 communication serial bus
⚪ White	Ground / common
⚫ Gray	INPUT. Can be used for additional contact sensor, motion sensor, etc.
USB port	Micro-USB connector

Security+, Security+ 2.0, Chamberlain, myQ and LiftMaster are registered trademarks of The Chamberlain Group, Inc.

CRAFTSMAN is a registered trademark of Stanley Black & Decker, Inc.

Mounting Template
Cut out and tape to the ceiling or beams for mounting with screws. Or use 3M Command Strips for damage-free mounting on your garage opener.
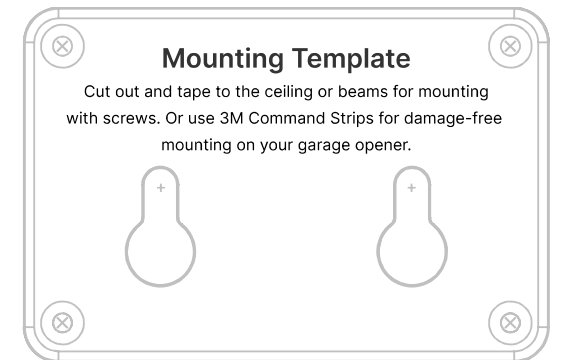
🔵 https://support.konnected.io
✉ help@konnected.io
💬 https://community.konnected.io

Proudly designed, assembled and tested in the USA from components sourced globally.