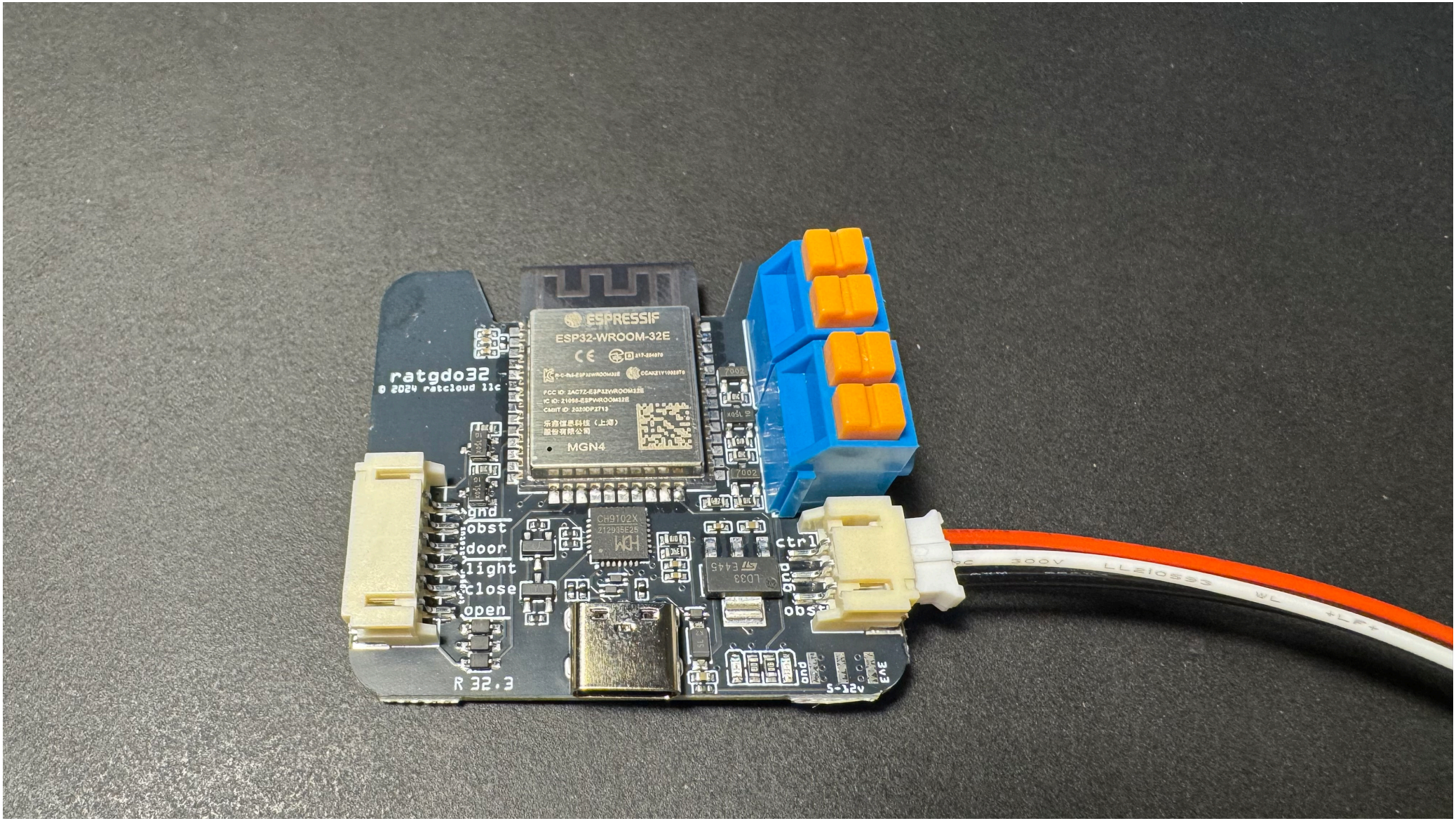
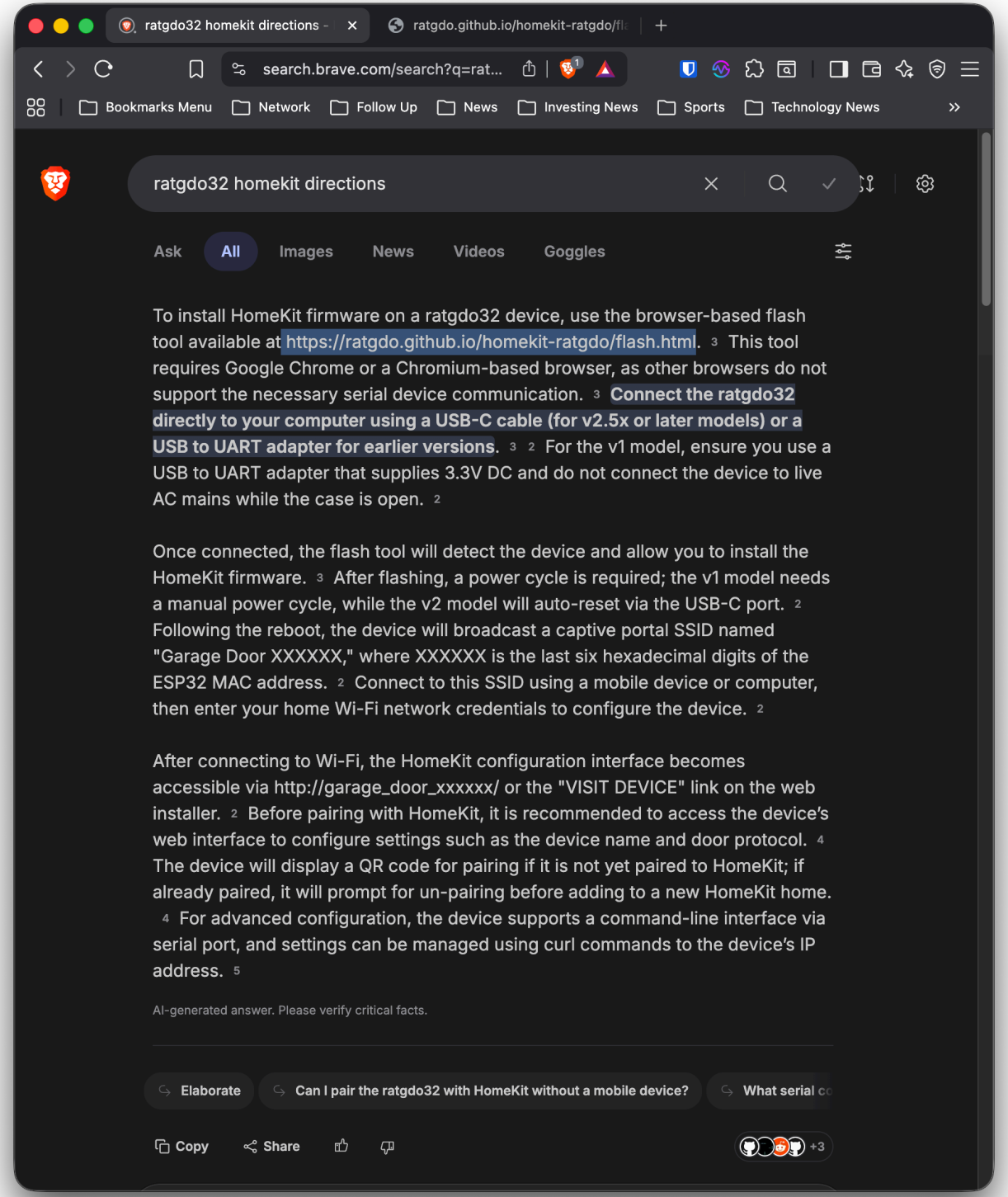
RATGDO32 is a garage door opener interface to HomeKit and Home Assistant

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To install HomeKit firmware on a ratgdo32 device, use the browser-based flash tool available at https://ratgdo.github.io/homekit-ratgdo/flash.html. 3 This tool requires Google Chrome or a Chromium-based browser, as other browsers do not support the necessary serial device communication. 3 Connect the ratgdo32 directly to your computer using a USB-C cable (for v2.5x or later models) or a USB to UART adapter for earlier versions. 3 2 For the v1 model, ensure you use a USB to UART adapter that supplies 3.3V DC and do not connect the device to live AC mains while the case is open. 2
Once connected, the flash tool will detect the device and allow you to install the HomeKit firmware. 3 After flashing, a power cycle is required; the v1 model needs a manual power cycle, while the v2 model will auto-reset via the USB-C port. 2 Following the reboot, the device will broadcast a captive portal SSID named "Garage Door XXXXXX," where XXXXXX is the last six hexadecimal digits of the ESP32 MAC address. 2 Connect to this SSID using a mobile device or computer, then enter your home Wi-Fi network credentials to configure the device. 2
After connecting to Wi-Fi, the HomeKit configuration interface becomes accessible via http://garage_door_xxxxxx/ or the "VISIT DEVICE" link on the web installer. 2 Before pairing with HomeKit, it is recommended to access the device's web interface to configure settings such as the device name and door protocol. 4 The device will display a QR code for pairing if it is not yet paired to HomeKit; if already paired, it will prompt for un-pairing before adding to a new HomeKit home. 4 For advanced configuration, the device supports a command-line interface via serial port, and settings can be managed using curl commands to the device's IP address. 5
AI-generated answer. Please verify critical facts.
Elaborate
Can I pair the ratgdo32 with HomeKit without a mobile device?
What serial c
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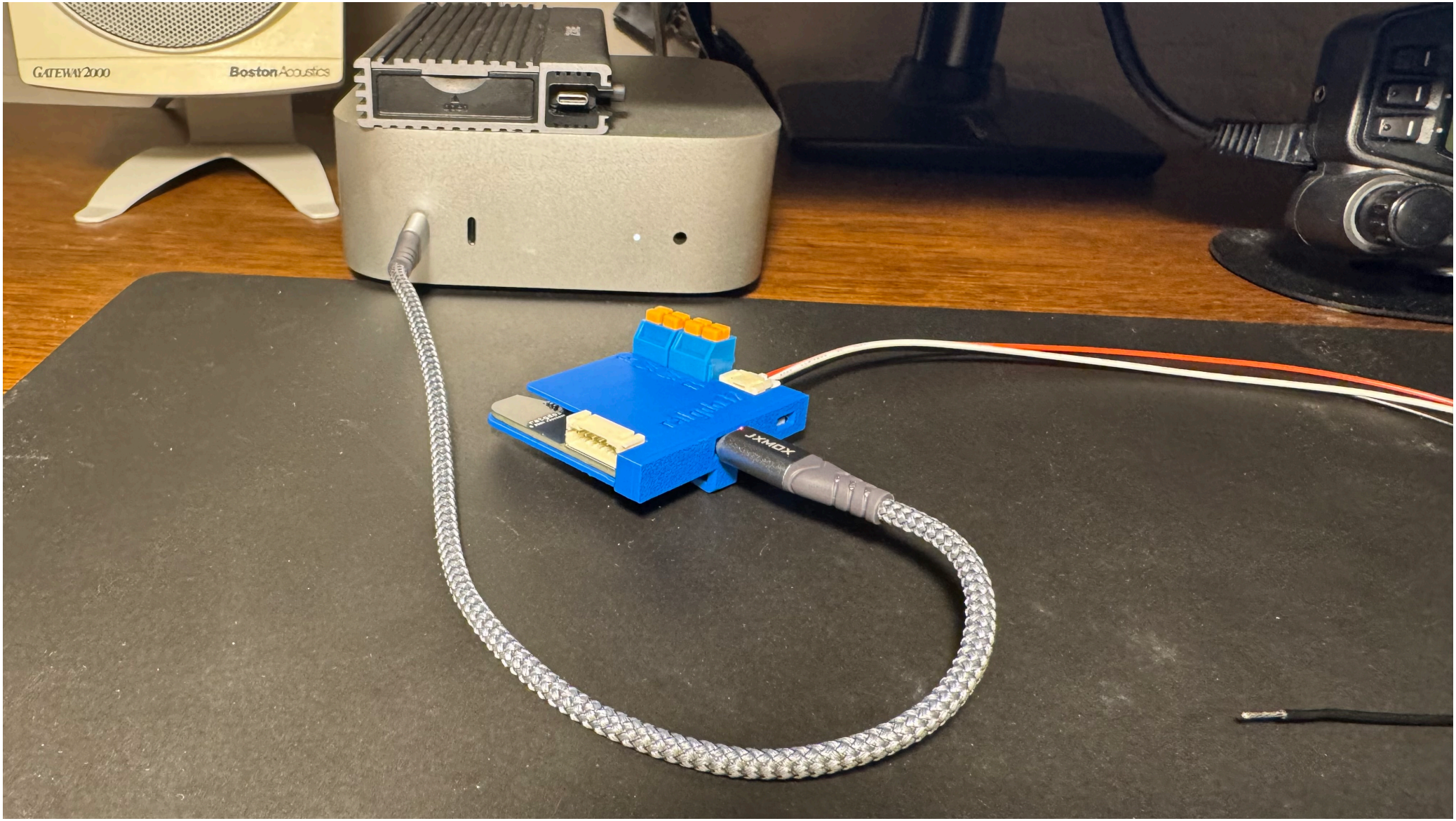
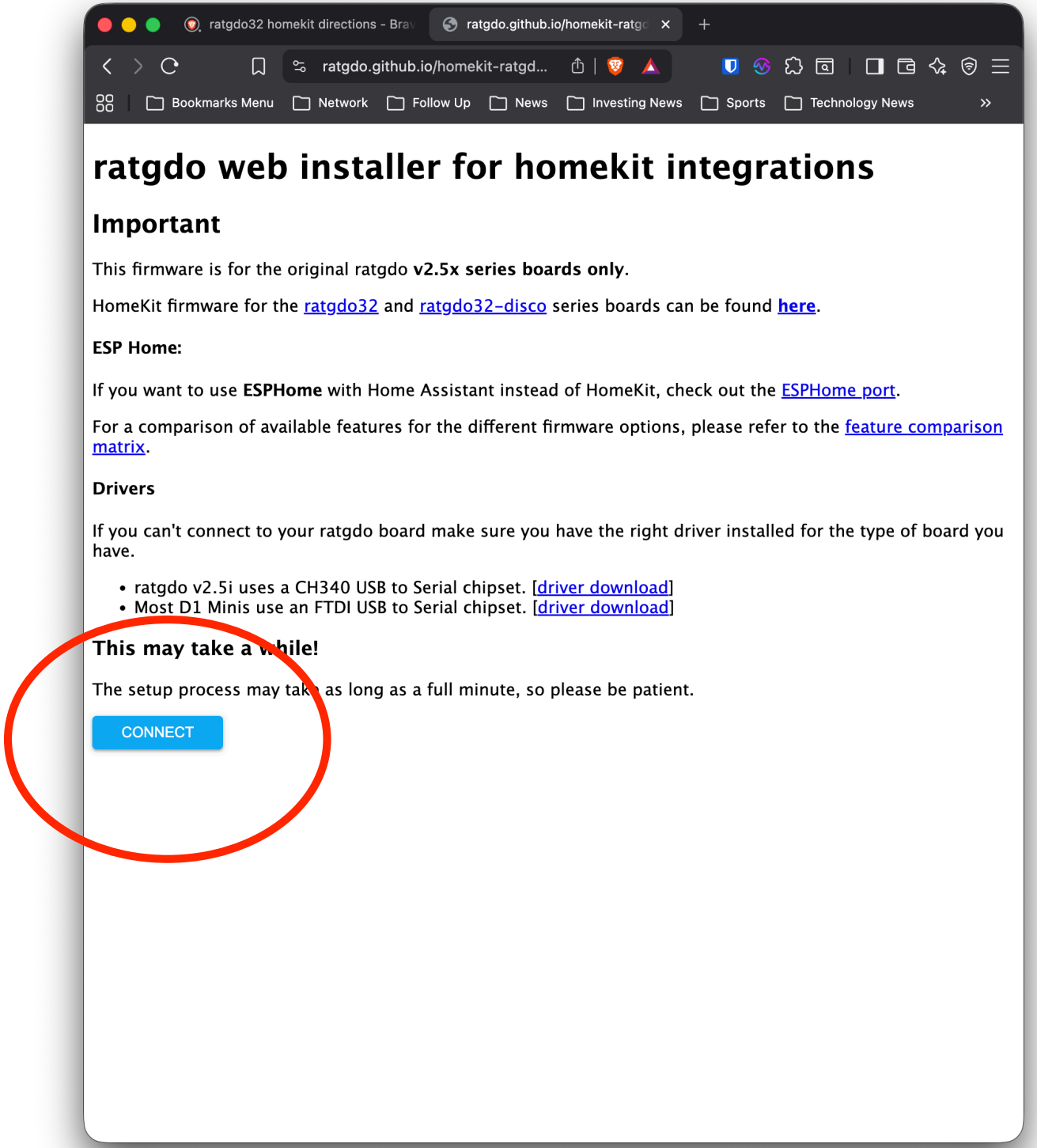
Flash firmware to RATGDO

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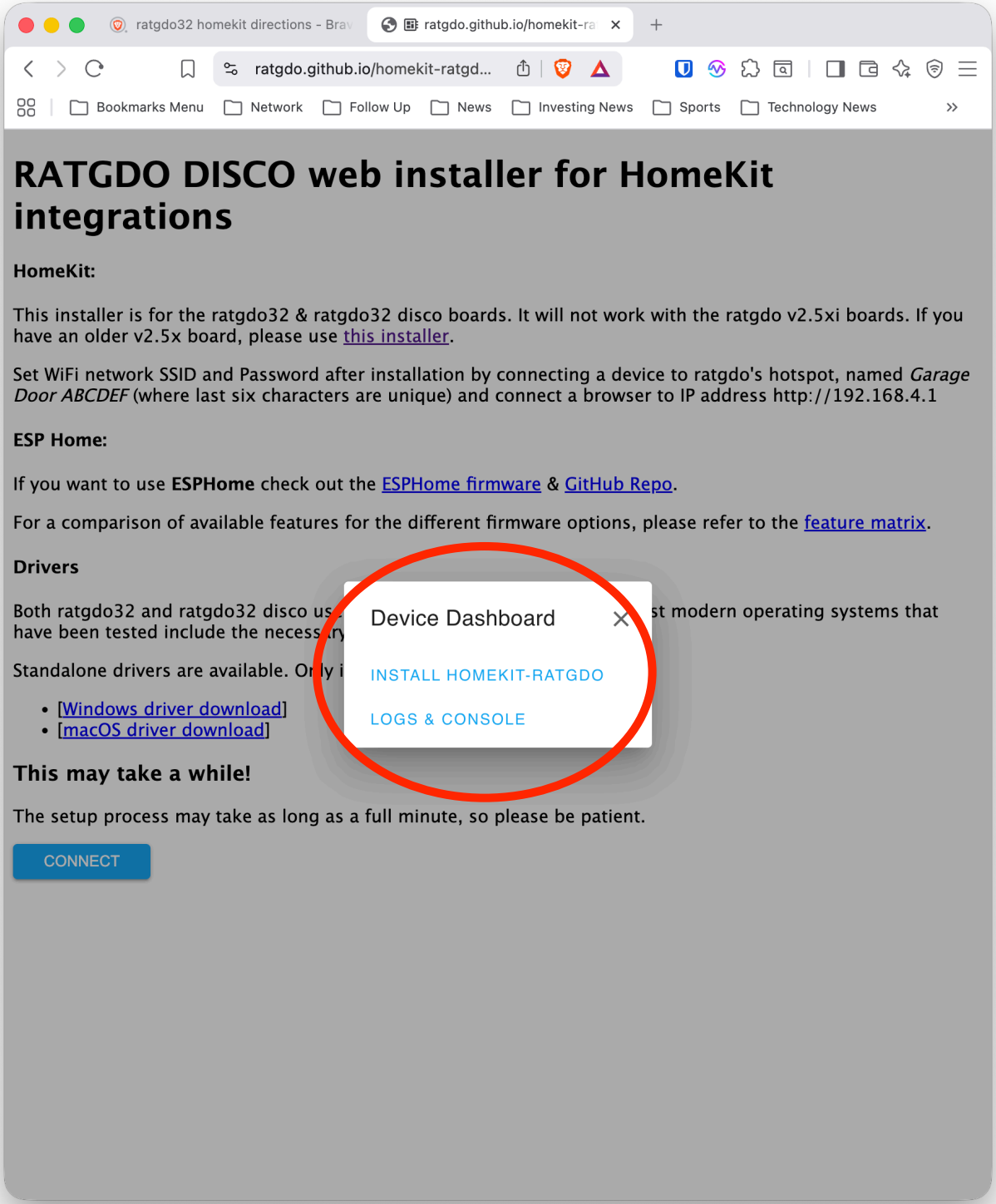
Important
This firmware is for the original ratgdo v2.5x series boards only.
HomeKit firmware for the ratgdo32 and ratgdo32-disco series boards can be found here.
ESP Home:
If you want to use ESPHome with Home Assistant instead of HomeKit, check out the ESPHome port.
For a comparison of available features for the different firmware options, please refer to the feature comparison matrix.
Drivers
If you can't connect to your ratgdo board make sure you have the right driver installed for the type of board you have.
ratgdo v2.5i uses a CH340 USB to Serial chipset. [driver download]
Most D1 Minis use an FTDI USB to Serial chipset. [driver download]
This may take a while!
The setup process may take as long as a full minute, so please be patient.
CONNECT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RATGDO DISCO web installer for HomeKit integrations
HomeKit:
This installer is for the ratgdo32 & ratgdo32 disco boards. It will not work with the ratgdo v2.5xi boards. If you have an older v2.5x board, please use this installer.
Set WiFi network SSID and Password after installation by connecting a device to ratgdo's hotspot, named Garage Door ABCDEF (where last six characters are unique) and connect a browser to IP address http://192.168.4.1
ESP Home:
If you want to use ESPHome check out the ESPHome firmware & GitHub Repo.
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Drivers
Both ratgdo32 and ratgdo32 disco us
st modern operating systems that have been tested include the necess
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Standalone drivers are available. Or
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[Windows driver download]
[macOS driver download]
Device Dashboard
INSTALL HOMEKIT-RATGDO
LOGS & CONSOLE
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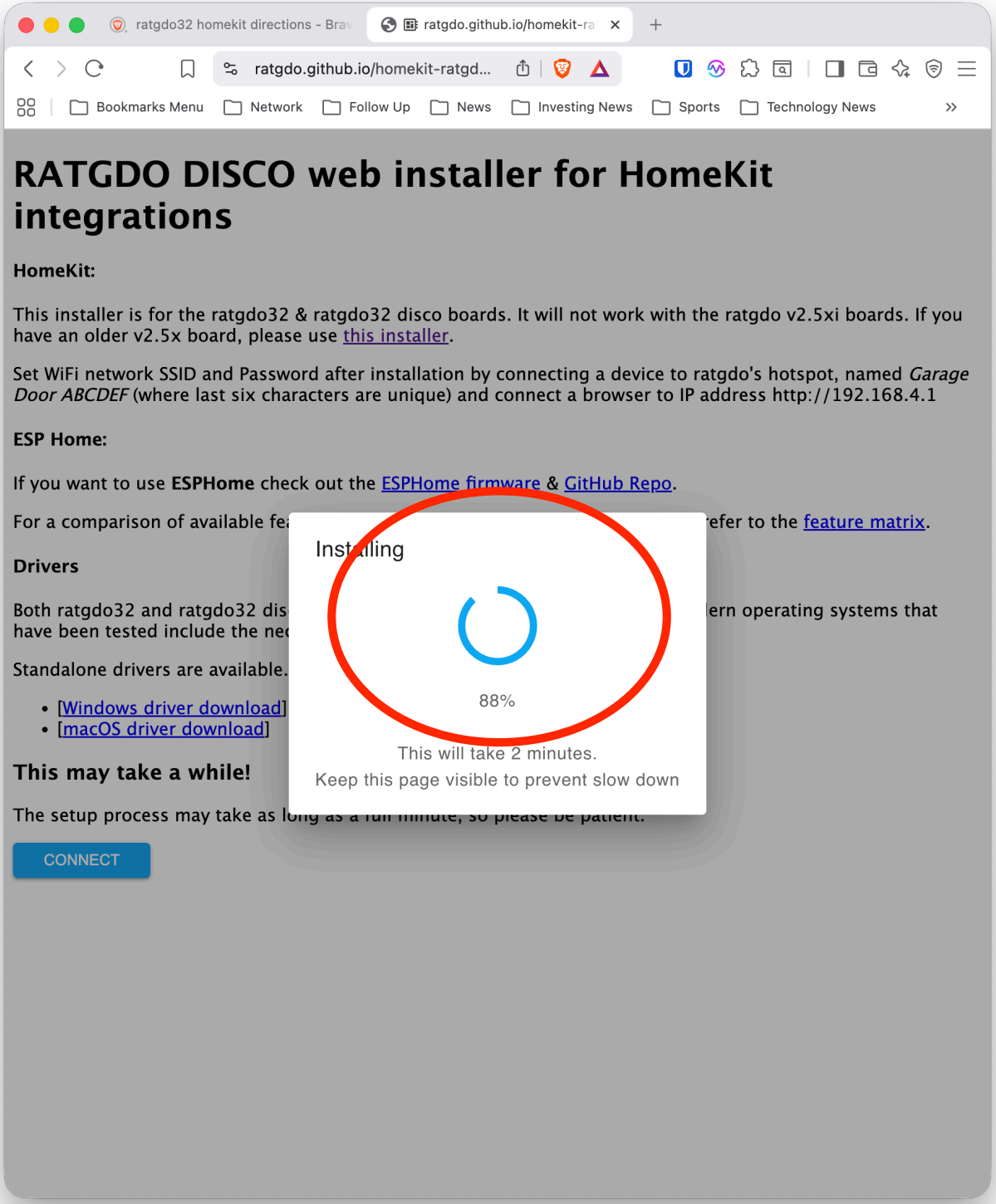
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[macOS driver download]
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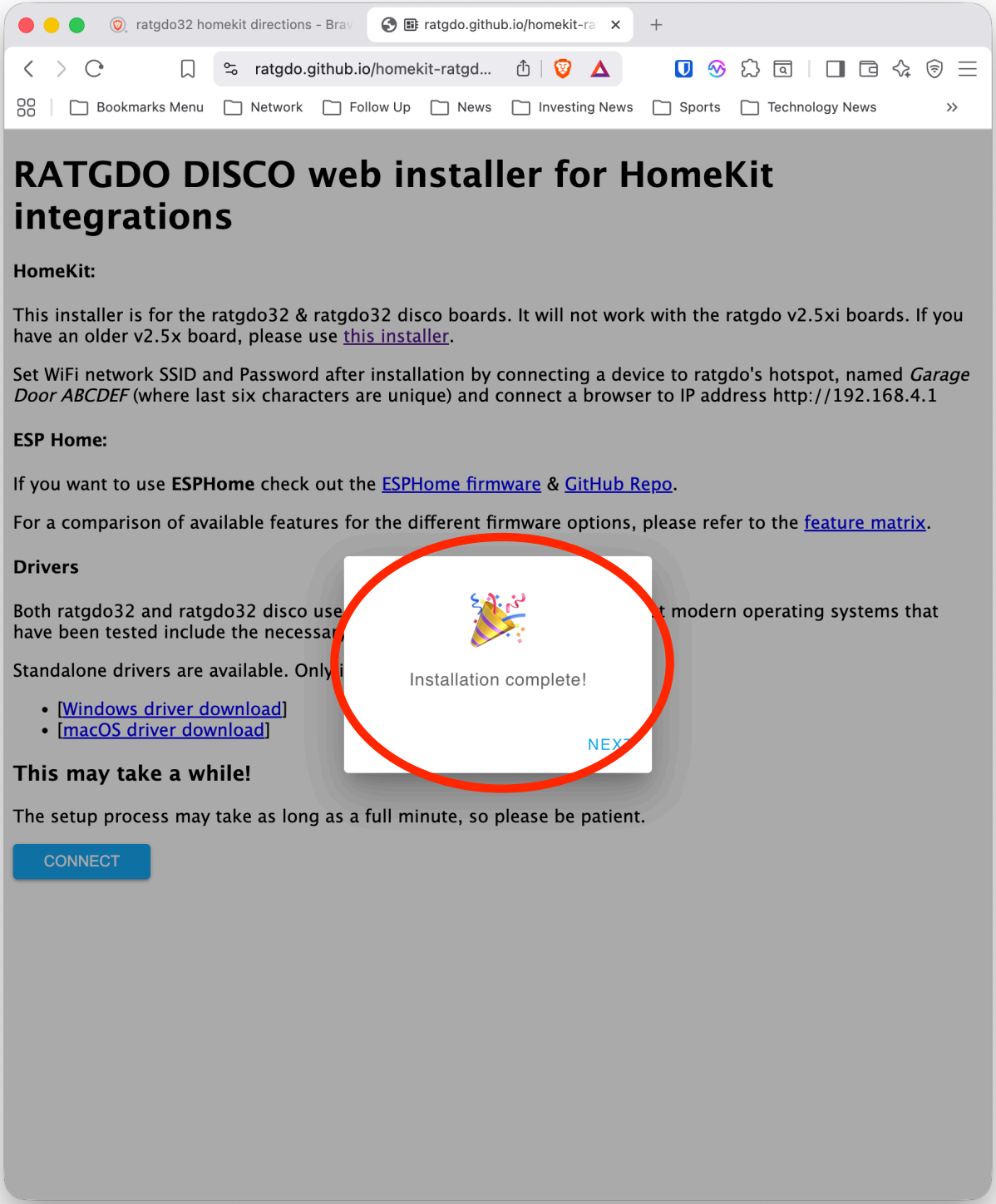
CONNECT
Installing
88%
This will take 2 minutes.
Keep this page visible to prevent slow down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Drivers
modern operating systems that
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[Windows driver download]
[macOS driver download]
Installation complete!
NEXT
This may take a while!
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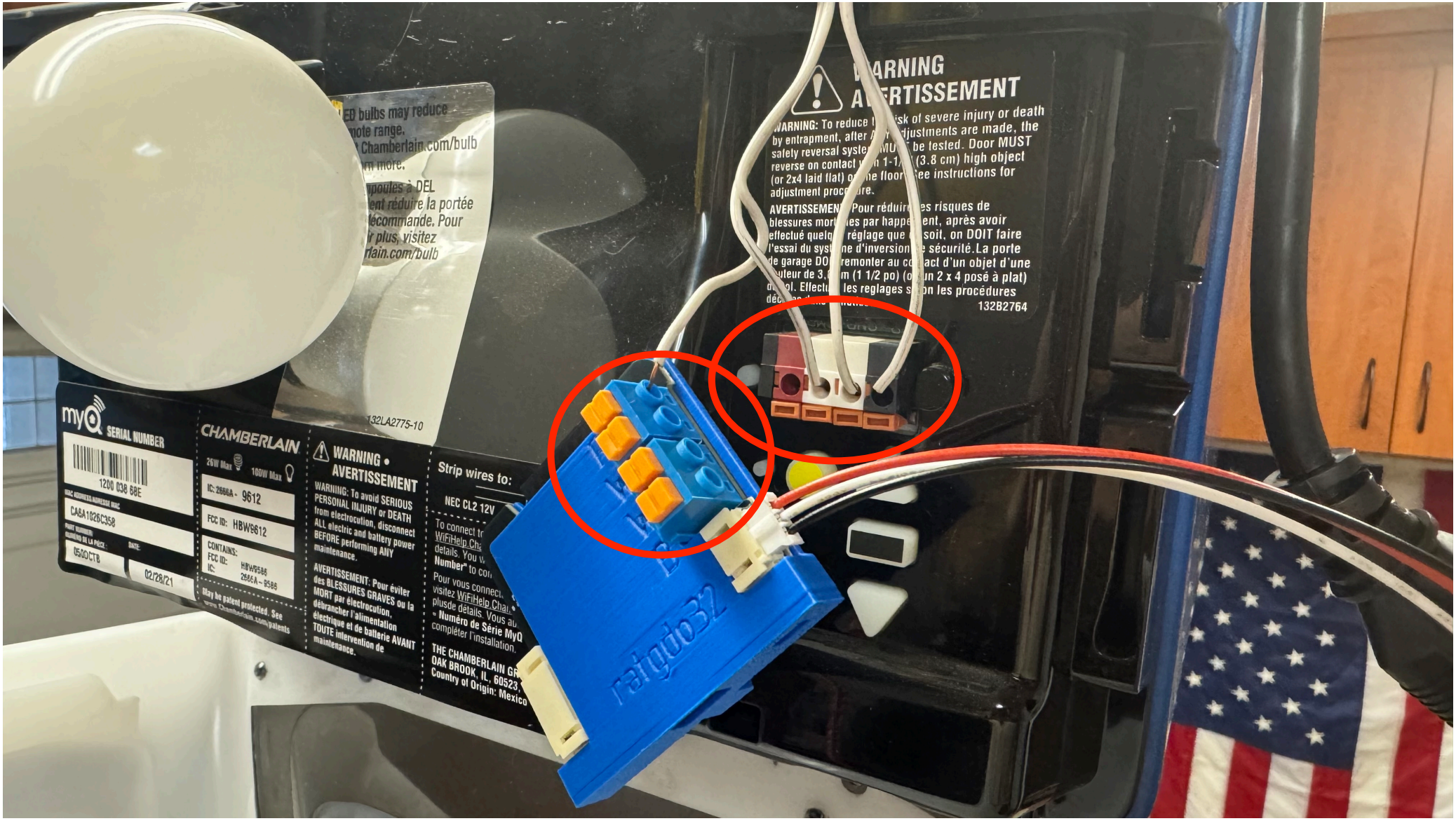
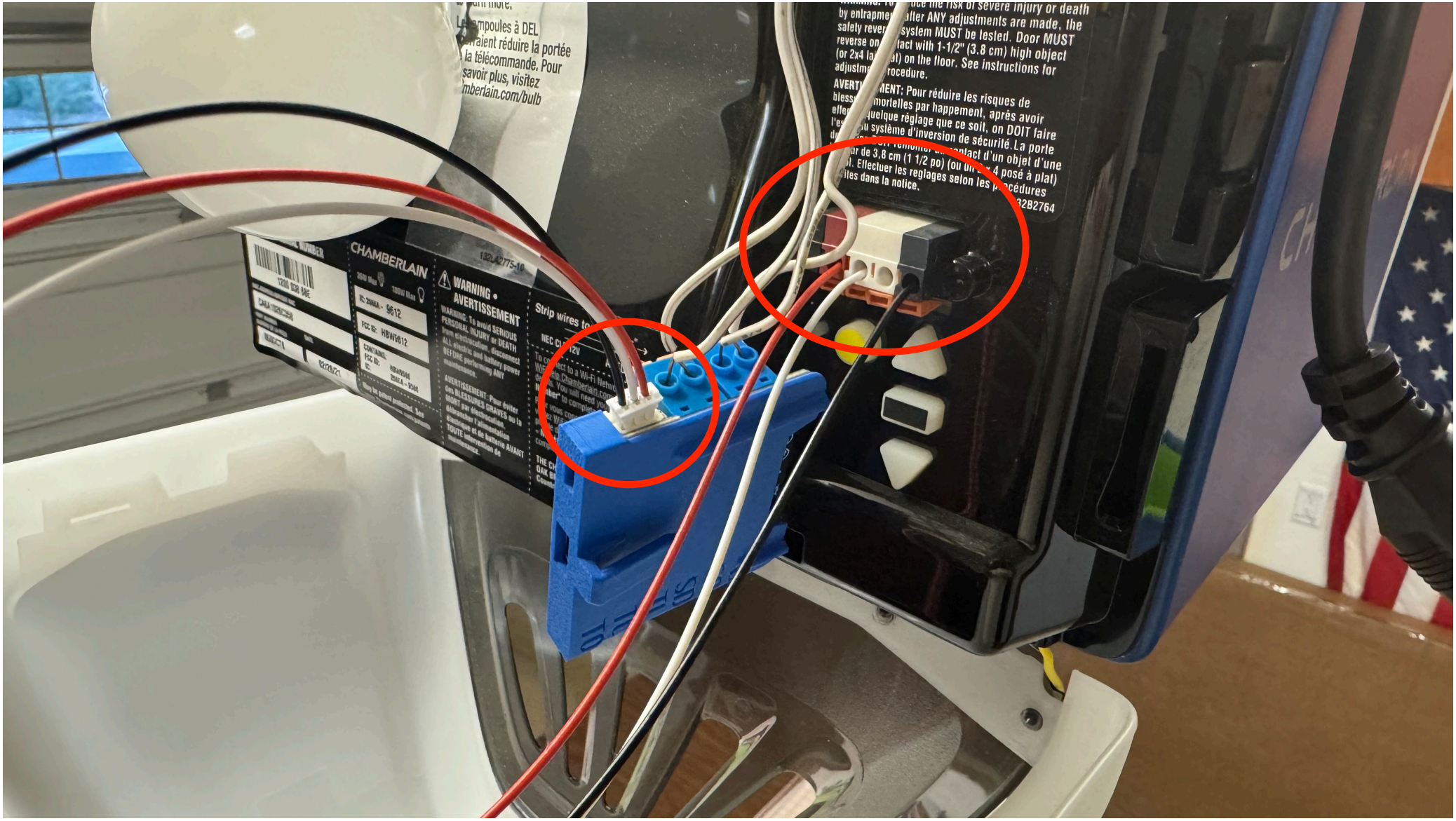
Garage Door 2AA62C
2510
2023
Firmware: v3.4.2
You have newest release
Up Time: 0:00:00:15
(days:hrs:min:sec)
WiFi SSID: Initrode
WiFi RSSI: -60 dBm, Channel 1
WiFi AP: 00:11:32:ED:FA:08
MAC Address: F0:24:F9:2A:A6:2C
IP Address: 192.168.1.60
mDNS Name: Garage-Door-2AA62C.local
Netmask: 255.255.255.0
Gateway IP: 192.168.1.1
Reboot RATGDO
Firmware Update
Reset HomeKit
Door State: Unknown
Remotes: Unknown
Door Protocol: Sec+ 2.0
Cycle Count: 0
Opening: Unknown
Obstruction: False (Message)
Light On: False
Motion: False
Battery: Unknown
Closing: Unknown
Light On
Close Door
Enable Remotes
For documentation and support see the GitHub page.
Copyright (c) 2023-25 homekit-ratgdo contributors.
Licensed under terms of the GPL-3.0 License.
freeHeap: 93772 minHeap: 93464
lastDoorChange: Unknown
lastReboot: 12/18/2025, 7:23:13 AM MST
Show system logs (crashCount: 0)

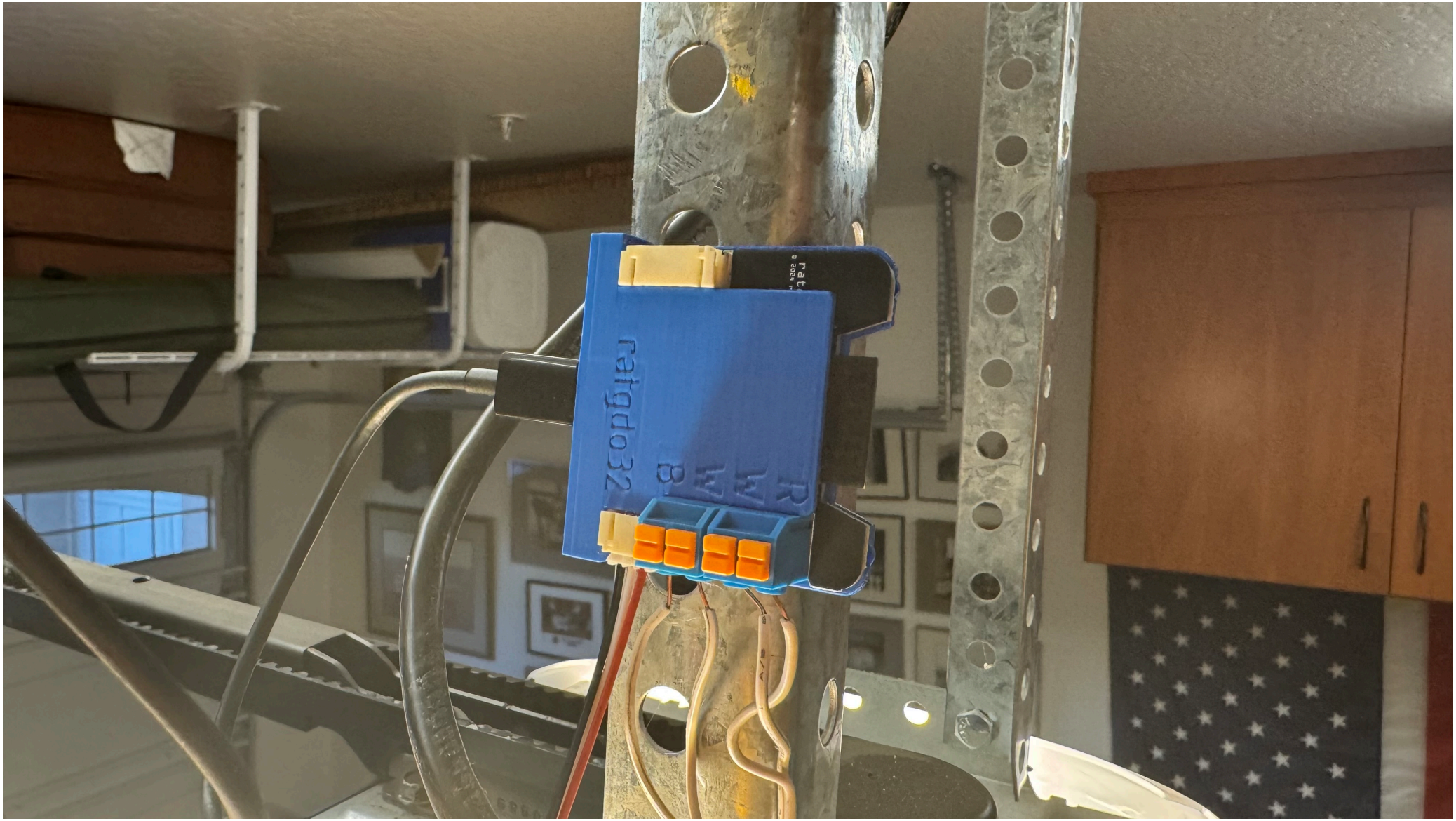
Move 4 wires from Opener to RATGDO

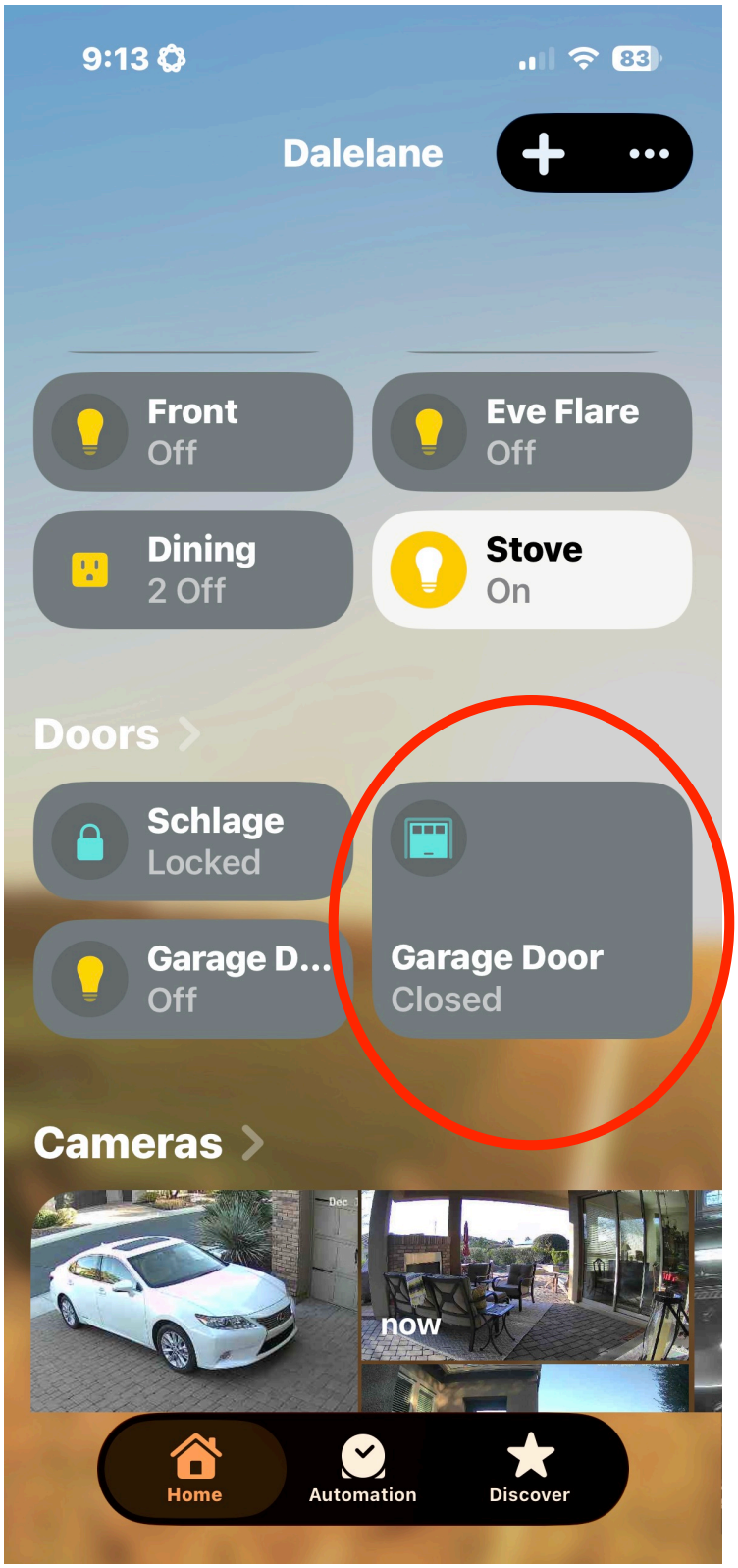


Connect 3 wires from RATGDO to Opener



Secure RATGDO to Opener Mount

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Off
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Doors
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Garage D...
Off
Garage Door
Closed
Cameras
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Automation
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