

INNOVO

Redbox Fury – User Guide

A WiFi garage-door controller with up to 5 doors, optional temperature/humidity sensing, Home Assistant integration, and a single-light status indicator.

Firmware 2026.06.23.27

What it is

A quick orientation before you set it up.

At a glance

- **Up to 5 doors** — doors 1–4 have control relays; door 5 is a sensor-only input.
- **Per-door state sensors** (open/closed) and adjustable cycle/momentary behavior.
- **Optional RS485 temp/humidity** module (XY-MD02 or InnovoHT) with calibration offsets.
- **Home Assistant** over the local network (ESPHome) — no cloud required to use it.
- **Status light** that tells you connection, door, and update state at a glance.

Important — secondary control only. The Redbox Fury is **not** a life-safety device and is not for emergency/egress functions. It works **alongside** your existing manufacturer controls and never replaces them. Full terms appear during setup.

1 · Onboarding the device

First-time setup happens on the device's own WiFi — one session, three screens.

1

Power the device on.

After ~10 s it broadcasts a WiFi network named `Innovo Redbox Fury WiFi Setup`. The status light flashes red while it waits.

2

Connect your phone/laptop to that network.

A setup page opens automatically (captive portal). If it doesn't, open a browser to `192.168.4.1`.

3

Step 1 — accept the Terms (safety acknowledgment).

4

Step 2 — register

the device to your dealer account (required).

5

Step 3 — choose your WiFi and enter the password, then Connect

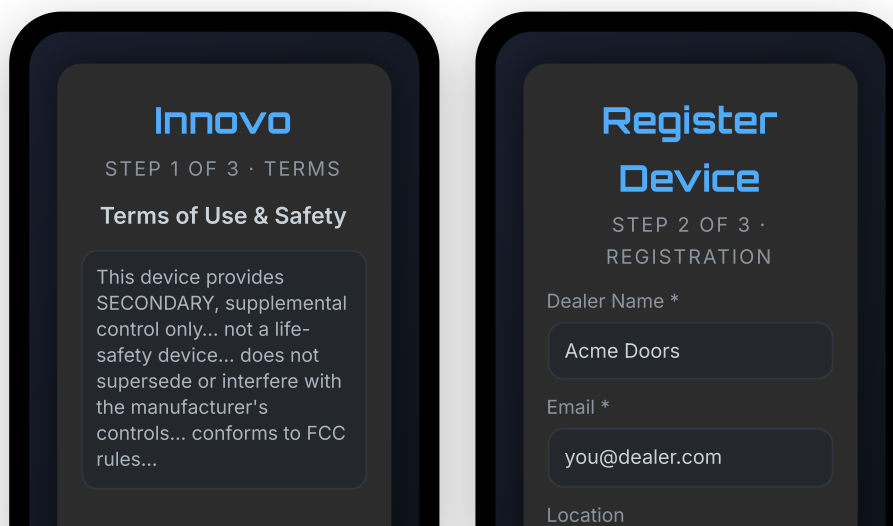
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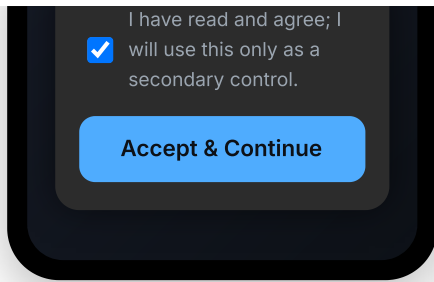
6

Done.

The device joins your WiFi, registers to the cloud automatically, and the status light turns solid **green** (on WiFi) then **blue** once Home Assistant connects.

What you'll see (actual setup screens):

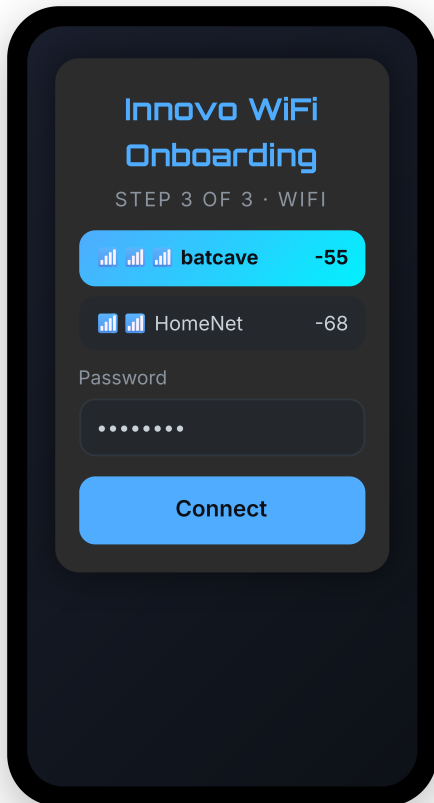




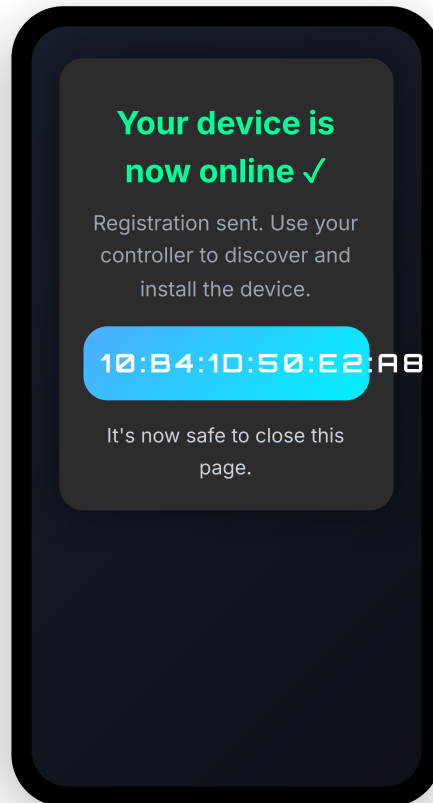
EULA
read & accept to proceed



Registration
links the device to you



WiFi
pick network + password



Done
joined + registered

If WiFi creds are wrong the device returns to the `WiFi Setup` network so you can try again — no factory reset needed.

2 · Adding to Home Assistant

The device speaks ESPHome on your local network — Home Assistant usually finds it on its own.

Automatic (easiest)

1 Open Home Assistant

→

Settings → **Devices & Services**

.

2 Look for a "Discovered" ESPHome device

named `innovo-redbox-fury` → click

Configure → **Submit**

.

3 Done

— all the controls and sensors below appear under the device.

Manual (by IP)

1 Settings → Devices & Services → Add Integration → ESPHome.

2 Host:

the device's IP (e.g. `192.168.0.254`) — find it on your router, or it's shown on the "online" screen.

Port:

`6053` .

3 Encryption key:

leave blank (none).

Finding the IP: the device also publishes its IP and MAC as diagnostic sensors once it's on your network, and your router's client list will show `innovo-redbox-fury` .

Light says it's connected: once Home Assistant attaches, the status light is **solid blue**. If it's solid green, it's on WiFi but HA hasn't connected yet.

3 · Controls & what each item means

Everything that shows up under the device in Home Assistant.

Doors

ITEM	TYPE	WHAT IT DOES
Door 1-5	sensor	Open / closed state from the door's reed contact.
Door 01-04 Cycle	button	Triggers the door — fires the relay per its Momentary Mode. The everyday "open/close" button.
Door 01-04 Relay	switch	Direct relay on/off, ignoring Momentary Mode. For wiring tests / special cases.
Door 01-04 Cycle Time	number	How long the relay pulses on a Cycle (seconds).
Door 01-04 Momentary Mode	select	Full Cycle (pulse), Final: On , or Final: Off — what state the relay rests in after a trigger.
Door 1-5 Report	select	Contact polarity — Normal or Reverse — if a sensor reads open/closed backwards.
Door 1-5 Trigger Color	select	The status-light color for that door's activity (see Status Light below).
All Doors CYCLE	button	Cycles all four relay doors in sequence.

Door 5 is **sensor-only** (no relay) — it reports open/closed and flashes its color when its contact changes, but has no Cycle/relay.

Temperature & Humidity (optional RS485 module)











ITEM	TYPE	WHAT IT DOES
Attached Module	select	None (default, off), Generic XY-MD02 , or InnovoHT . Picking a module turns the bus on automatically; None turns it off. <i>This is the on/off — there's no separate enable switch.</i>
Temperature / Humidity	sensor	Readings from the selected module (in °C / %; Home Assistant converts the display to your units).
Temperature Offset	number	A plain number added to the temperature reading to calibrate it (can be negative/decimal; default 0).
Humidity Offset	number	Same idea for humidity (default 0).

System & cloud

ITEM	TYPE	WHAT IT DOES
Cloud Check-in	switch	Lets the device report health/version to Innovo and accept remote restart/update. On by default.
Cloud Device ID	sensor	This unit's unique ID (<code>redboxfury-<mac></code>) — used for registration/support.
Cloud Onboarded	sensor	Whether the device has registered to the cloud.
Firmware Update	update	Shows when a new version is available; install from here.
IP / SSID / WiFi signal / Uptime	sensor	Diagnostics for the network connection.
Restart	button	Reboots the device.

4 · Status Light

One light shows the most important thing happening (top of the list wins). Swatches below blink at the real rate.

LIGHT	PATTERN	MEANING
	Solid blue	Connected to Home Assistant — normal/idle.
	Solid green	On WiFi, connecting to Home Assistant.
	Blue · slow blink	Home Assistant lost (WiFi still up).
	Solid yellow	A door is open.
	Purple · slow	Setup mode (join the WiFi-Setup network).
	Red · slow	WiFi lost.
	Red · very slow	Starting up / no WiFi yet.
	Green · slow	Firmware update available.
	Cyan · blink	Checking for updates.
	White · fast	Installing update — don't power off.

Door trigger colors (diagnostic)

Each door flashes **its own color, fast**, when triggered (relay), and **medium** (~1.5 s) when its sensor changes. Defaults:



Choose any color per door (Red, Green, Blue, Yellow, Cyan, Magenta, White, Amber, Pink) via the "Door N Trigger Color" controls. Quick blink = a door event; steady/slow = a status state.

5 · Safety & FAQ

Secondary control only. Not a life-safety device. Not certified for emergency, safety, or emergency-exit functions. Does not supersede or interfere with the original manufacturer's controls. Conforms to FCC rules. Use only as a supplemental control.

FAQ

The light is flashing green — is something wrong? No — slow green means a firmware update is available; install it from the Firmware Update control.

It went back to the setup WiFi. The WiFi password was wrong or the network changed. Reconnect to `Innovo Redbox Fury WiFi Setup` and redo Step 3.

Temperature looks off. Set a **Temperature Offset** to calibrate. Make sure **Attached Module** matches your sensor.

A door reads open when it's closed. Flip that door's **Report** to Reverse.

How do I update? Use the **Firmware Update** control in Home Assistant, or let it update on its own when Cloud Check-in is on.