

GBPUSH Product Manual

Product Name and Model Number: GBPUSH-710012

FCC Part 15 Certified | Non-weatherproofed | Indoor-Only Use

1. Product Overview

The **GBPUSH** is a retrofit smart switch that replaces traditional garage door pushbuttons. It integrates with existing garage systems via BLE-enabled mobile apps while maintaining mechanical reliability. **No internal wiring modifications** are required to existing garage door openers—simply repurpose the standard pushbutton circuit.

Key Features

- ☒ **Dual-connector design:** Works with standard garage door opener wiring (no adapter needed).
 - ☒ **App-controlled relay:** Triggers garage door operation via Bluetooth 6.0 (iOS/Android).
 - ☒ **Passive operation:** Garage button works **even when GBPUSH is unpowered** (fallback to hardwired functionality).
 - ☒ **Compact enclosure:** PC/ABS hybrid casing (designed for indoor use only).
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2. Safety & Important Warnings

CRITICAL: Electrical Safety

- **Power Source:** Operates solely on **5.0V DC** via USB-C (no data transfer). Never attempt to connect to AC mains power.
- **No Weatherproofing: Not for outdoor/garage exposure** (e.g., rain, humidity >80%). Damage from environmental factors voids warranty.
- **Fallback Functionality:** The physical button **always works** when pressed if wires are secured in connectors, even if the device is unpowered (prevents total loss of control).

Installation Safety

- **Locking Mechanism:** The levers on the headers must be **fully depressed downward** to lock in the wires.

- **Wire Handling:** Ensure wires are secured tightly at both connectors. Loose wiring may cause arcing or temporary disconnects.
 - **Positioning:** Position **within 12" of the garage opener**. Avoid metal obstructions near the antenna.
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3. Installation Guide

Tools Required

- Wire stripper (for standard 18-22 AWG wires)

Step-by-Step Procedure

1. **Power Off:** Disconnect power at the garage opener's junction box.
2. **Identify Connectors:** Since the two GBPUSH headers are interchangeable, select which header will be Port A and which header will be Port B.
 - **Port A:** Standard garage push button wiring. Connect the two wires from the existing garage button directly to Port A.
 - **Port B:** Standard garage opener wiring. Connect the two wires to the same circuit on the garage opener that the button would normally connect to.
3. **Wire Connections:** GBPUSH should be inserted "inline" with existing wiring.
 - Cut/strip wires as needed in order to insert GBPUSH inline with existing wiring.
 - Wire connections according to Port A and Port B definitions above.
4. **Secure Connections:** Fully depress levers on headers downward to lock in wires. Follow instructions for garage opener to secure wires to garage opener.
5. **Power On:** Reconnect junction box power. The GBPUSH will self-initialize in **<5 seconds**.
6. **Pair App to Device:** Follow the app pairing procedure to pair with the device.

Why both buttons work?

The GBPUSH duplicates the physical button's signal internally. Pressing the garage button or the GBPUSH relay both trigger the opener—no internal rewiring needed.

4. Troubleshooting

Issue	Solution
Garage Button doesn't activate	1. Verify wires are tight GBPUSH headers and on garage opener.
Relay fails to lock	1. Confirm lever is fully depressed. 2. Check for moisture in enclosure (unlikely indoors).
App connection fails	1. Forget device (Devices> "Forget Device"). 2. Follow app pairing procedure to re-pair with the device. 3. Update device firmware via OTA (Settings > "Firmware Update").

5. Maintenance & Support

- **Firmware Updates:** Automatic via app.
- **Contact:** support@cercore.com

FCC Compliance Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

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

CAUTION: The grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. Such modifications 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 equipment has been tested and meets applicable limits for radio frequency (RF) exposure.