

433MHz Wireless Relay Module - Pairing & Setup Guide

Operating Modes

The receiver supports four operating modes:

Momentary Mode

The relay remains active only while the remote button is pressed.

Typical uses:

- Door strikes
- Garage door triggers
- Push-button control systems

Toggle Mode

Each press alternates the relay between ON and OFF.

Typical uses:

- Lighting control
- Power switching
- General remote control applications

Latching Mode

One button turns the relay ON and a second button turns it OFF.

Typical uses:

- Motor control
- Access control
- Equipment requiring separate ON/OFF commands

Time Delay Mode

The relay activates for a preset period before automatically turning off.

Available delay times:

- 5 seconds
- 10 seconds
- 15 seconds

Pairing a Remote Control

Momentary Mode

1. Press the **Learn** button once.
2. The LED indicator will turn on.
3. Press the desired button on the remote.
4. The LED will flash and then turn off.
5. Wait approximately 3 seconds.

Pairing is complete.

Toggle Mode

1. Press the **Learn** button twice.
2. The LED indicator will turn on.
3. Press the desired button on the remote.
4. The LED will flash and then turn off.
5. Wait approximately 3 seconds.

Pairing is complete.

Latching Mode

Important: Latching mode requires two separate remote buttons.

Example:

- Button A = ON
- Button B = OFF
- Press the **Learn** button three times.
 - The LED will flash and then remain on.
 - Press Button A.
 - The LED will flash 5 times.
 - Press Button B.
 - The LED will flash 5 times again.
 - Wait approximately 3 seconds.

Pairing is complete.

Button A will switch the relay ON.

Button B will switch the relay OFF.

Time Delay Mode

5 Second Delay

1. Press the **Learn** button four times.
2. The LED will turn on.
3. Press the desired remote button.
4. The LED will flash and turn off.
5. Wait approximately 3 seconds.

The relay will activate for 5 seconds each time the button is pressed.

10 Second Delay

1. Press the **Learn** button five times.
2. Follow the same pairing procedure.

The relay will activate for 10 seconds.

15 Second Delay

1. Press the **Learn** button six times.
2. Follow the same pairing procedure.

The relay will activate for 15 seconds.

Clearing All Paired Remotes

To erase all stored remote controls:

1. Press the **Learn** button eight times.
2. The LED indicator will flash and turn off.

All stored remote controls have now been deleted.

Any remotes that were previously paired will need to be paired again before they can operate the receiver.

LED Status Indicators

LED Status	Meaning
LED On	Ready to learn
LED Flashing	Signal received / learning in progress
LED Off after learning	Pairing successful

LED Status	Meaning
LED Flashes then Off after reset	All stored remotes deleted

Notes

- Supports up to 19 paired remote controls.
- Compatible with many 433MHz EV1527 learning-code transmitters.
- Wireless range is up to 100m in open areas.
- Range may be reduced by walls, metal objects, and electrical interference.