

eMylo RF12V

eMylo Wireless Remote Control Switch (RF12V) User Manual

Model: RF12V

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your eMylo Wireless Remote Control Switch. This device utilizes 433MHz RF technology to provide remote control capabilities for various electrical applications, offering convenience and flexibility.

PRODUCT OVERVIEW

The eMylo Wireless Remote Control Switch system consists of a receiver module and one or more remote transmitters. The receiver acts as a relay, controlling connected devices based on signals received from the transmitter. Key features include:

- **RF Technology:** Ensures long remote control distance and stable signal transmission.
- **High Sensitivity Receiver:** Provides reliable signal reception with reduced interference.
- **Non-directional Encoding:** Allows independent control without mutual interference between multiple units.
- **Programmable:** Transmitters and receivers can be configured for various operating modes.
- **Versatile Applications:** Suitable for lighting, motors, security alarms, and other industrial or home control systems.



- **New Generation of Wireless Remote Control Technology**
- **Widely Use in Lighting, Security, Industrial Control Areas**
- **Make Your Life More Convenient and Intelligent**
- **Particularly Suitable for People with Reduced Mobility**
- **Flexible Choice with Different Working Modes**
- **Simple Installation, Remoter and Receiver Match Easily**
- **Remote Control Distance 30-50m**

Figure 1: eMylo Wireless Remote Control Switch Receiver and Transmitter. The receiver measures approximately 100mm (3.94in) in height, 80mm (3.15in) in width, and 28mm (1.10in) in depth. The remote control features 12 numbered buttons for channel control.

SPECIFICATIONS

Component	Specification	Value
Transmitter	Operating Voltage	DC 12V
	Operating Frequency	433MHz
	Vibration Resistance	4.7M
	Chip Type	2264
	Modulation	ASK
	Encode Type	Bonding pad welding code
	Battery Type	12V 23A (not included)
	Remote Distance (Theoretical)	150m
	Ambient Temperature	-30°C to 70°C
	Dimensions	105x48x15mm
Receiver	Input Voltage	DC 12V
	Operating Frequency	433MHz
	Coding Way	Intelligent Learning
	Output Type	Passive output
	Max Load	7A
	Ambient Temperature	-30°C to 70°C
	Humidity	<95%
	Factory Default Mode	Inching (Momentary)
	Board Dimensions	93x73x17mm
	Case Dimensions	100x80x28mm
General		
Contact Material		Silver Alloy
Contact Type		Normally Open
Mounting Type		Through Hole Mount
Item Weight		0.34 kg

Safety Information

Please read and understand all safety instructions before installing or operating this device. Failure to follow these instructions may result in electric shock, fire, or property damage.

- Ensure power is disconnected before performing any wiring or maintenance.

- This device operates on DC 12V. Do not connect to higher voltage power sources.
- The maximum load is 7A. Do not exceed this rating to prevent damage to the receiver and connected devices.
- Installation should be performed by a qualified individual if you are unsure about electrical wiring.
- Keep the device away from water, excessive heat, and corrosive environments.

SETUP AND WIRING

The receiver module requires a DC 12V power supply and connects to the device you wish to control. The remote transmitter comes pre-coded, but can be re-programmed for different operating modes.

Receiver Wiring

1. **Power Connection:** Connect a DC 12V power supply to the receiver's input terminals. Ensure correct polarity (positive to positive, negative to negative).
2. **Load Connection:** Connect the device you intend to control (e.g., light, motor) to the receiver's output terminals. The receiver provides a passive output, meaning it acts as a switch in the circuit of your load. Consult the specific wiring diagram for your application.
3. **Secure Connections:** Ensure all wire connections are secure and properly insulated to prevent short circuits.

Note: A detailed wiring diagram for your specific application may be required. The receiver typically has terminals for power input (DC 12V) and multiple relay output channels (Normally Open contacts).

Pairing Transmitter and Receiver (Intelligent Learning)

The receiver uses an "Intelligent Learning" method to pair with transmitters and set operating modes. The exact procedure may vary slightly, but generally involves:

1. **Enter Learning Mode:** Press and hold the learning button on the receiver board until an indicator light (LED) illuminates or flashes.
2. **Transmit Signal:** While the receiver is in learning mode, press the desired button on your remote control. The receiver's indicator light should flash or change state to confirm successful pairing.
3. **Exit Learning Mode:** The receiver will typically exit learning mode automatically after a few seconds or after a successful pairing.

Refer to the specific instructions provided with your receiver for precise learning button location and indicator light behavior.

OPERATING MODES

The eMylo Wireless Remote Control Switch supports different operating modes, allowing flexibility in how connected devices are controlled. The factory default is "Inching" (Momentary) mode.

1. Momentary Mode (Inching)

In Momentary mode, the relay activates only while the remote button is pressed. Releasing the button deactivates the relay.

- **Action:** Press and hold button 'A' on the remote.
- **Result:** Connected device turns ON.
- **Action:** Release button 'A'.
- **Result:** Connected device turns OFF.

2. Latched Mode

In Latched mode, the relay toggles its state with each press of the remote button. One press turns it ON, the next press turns it OFF.

- **Action:** Press button 'A' once.
- **Result:** Connected device turns ON.
- **Action:** Press button 'A' again.
- **Result:** Connected device turns OFF.

Flexible Choice of Two Working modes

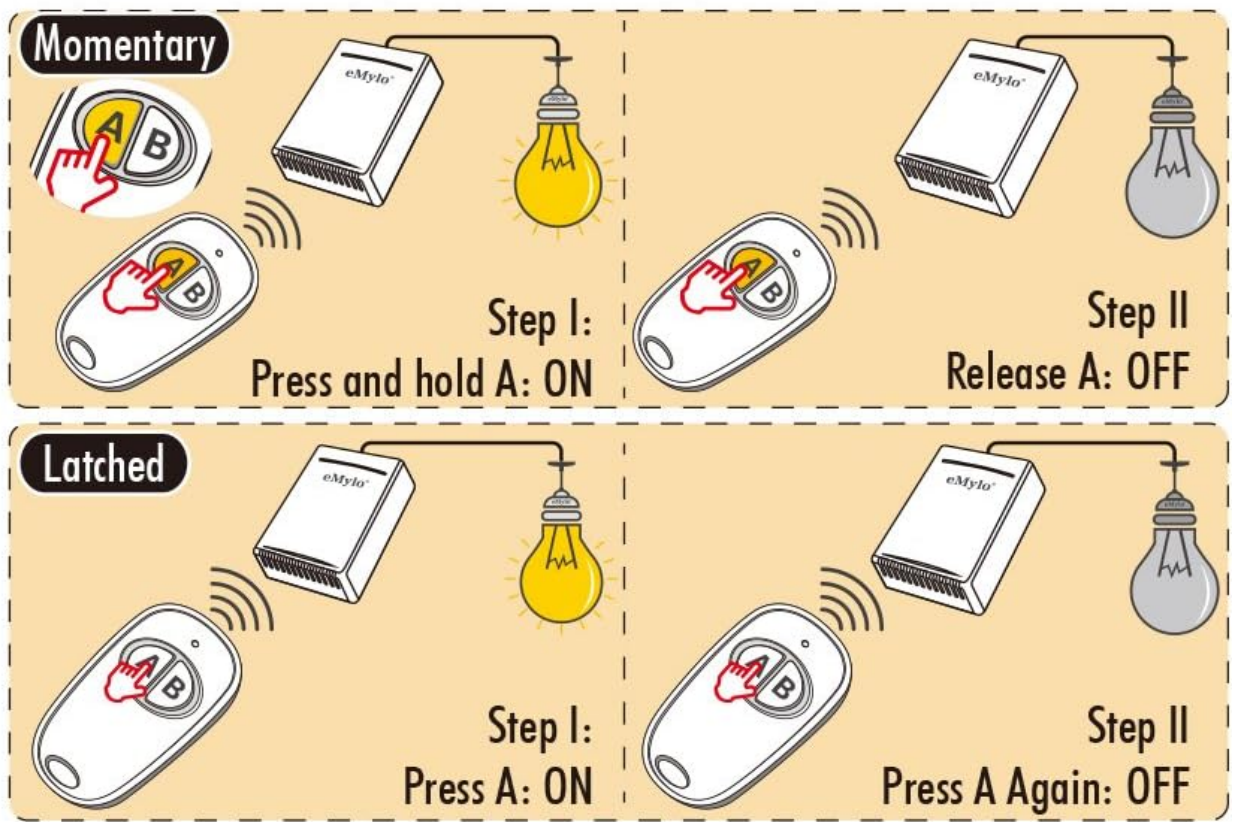


Figure 2: Illustration of Momentary (Inching) and Latched operating modes. Momentary mode requires holding the button for activation, while Latched mode toggles the state with each press.

To change the operating mode, you typically need to re-pair the transmitter with the receiver, selecting the desired mode during the learning process. Consult the receiver's specific instructions for mode selection procedures.

MAINTENANCE

Regular maintenance ensures the longevity and reliable operation of your eMylo Wireless Remote Control Switch.

- **Cleaning:** Wipe the receiver and transmitter with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Battery Replacement (Transmitter):** The transmitter uses a 12V 23A battery. If the remote's range decreases or it becomes unresponsive, replace the battery. Open the battery compartment, remove the old battery, and insert a new one, ensuring correct polarity.
- **Environmental Conditions:** Ensure the receiver is installed in a dry, well-ventilated area, away from direct sunlight, extreme temperatures, and high humidity.

TROUBLESHOOTING

If you encounter issues with your eMylo Wireless Remote Control Switch, refer to the following common troubleshooting steps:

- **Device not responding to remote:**

- Check the transmitter battery. Replace if necessary.
- Ensure the receiver is powered on (check for indicator lights).
- Verify that the transmitter and receiver are properly paired. Re-pair if needed.
- Check for obstructions between the transmitter and receiver that might block the RF signal.
- Ensure the remote is within the effective operating range.

- **Connected device not turning ON/OFF:**

- Check the wiring connections to the receiver and the connected device.
- Ensure the connected device is functioning correctly when directly powered.
- Verify that the load current does not exceed the receiver's maximum 7A rating.
- Confirm the operating mode (Momentary/Latched) is set as desired.

- **Short remote control range:**

- Replace the transmitter battery.
- Relocate the receiver to a more open area, away from metal objects or other RF interference sources.
- Ensure the receiver's antenna (if external) is properly extended and positioned.

APPLICATIONS

The eMylo Wireless Remote Control Switch is suitable for a wide range of applications, including:

- Remote control of indoor and outdoor lighting.
- Controlling garage doors or gates.
- Activating motors or pumps.
- Integration into wireless security alarm systems.
- General home automation tasks.



Figure 3: Example application of the eMylo remote switch controlling multiple lights within a residential setting.

WARRANTY AND SUPPORT

For warranty information or technical support, please contact eMylo customer service. Keep your purchase receipt as proof of purchase.

Manufacturer: eMylo

Model: RF12V

ASIN: B01A6VPQ38

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question