

## FAS MDR-U

# FAS Linear MDR-U Single Channel Plug-in Receiver Instruction Manual

## 1. INTRODUCTION

The FAS Linear MDR-U Single Channel Plug-in Receiver is designed to enable compatibility between nearly any garage door or gate operator and Linear's MegaCode format transmitters. This versatile receiver offers a straightforward plug-in design and a simple two-conductor wired connection for integration into existing systems. It features a learning mode capable of storing up to 10 unique transmitter codes.

## 2. SAFETY INFORMATION

- Always disconnect power to the garage door or gate operator before installation or maintenance.
- Ensure all wiring connections are secure and comply with local electrical codes.
- This device operates on 110 VAC. Exercise caution when handling electrical components.
- Keep the device and its components out of reach of children.
- Do not attempt to modify or repair the receiver. Refer servicing to qualified personnel.

## 3. PACKAGE CONTENTS

- FAS Linear MDR-U Single Channel Plug-in Receiver Unit

## 4. SETUP AND INSTALLATION

The MDR-U receiver is designed for simple installation. Follow these steps to integrate it with your garage door or gate operator:

1. **Power Disconnection:** Before beginning, ensure the power to your garage door or gate operator is completely disconnected.
2. **Mounting:** Plug the receiver directly into a standard 110 VAC outlet near your garage door or gate operator.
3. **Wiring Connection:** Locate the two-conductor wire terminals on the receiver. Connect these

terminals to the appropriate input terminals on your garage door or gate operator that are designed for external control devices (e.g., wall button terminals). Refer to your operator's manual for specific wiring instructions.

4. **Secure Connections:** Ensure all wire connections are tight and secure to prevent intermittent operation.
5. **Power Restoration:** Once all connections are made and secured, restore power to the garage door or gate operator.



This image displays the FAS Linear MDR-U Single Channel Plug-in Receiver. The device features a compact gray housing with a standard two-prong electrical plug for power. On one side, there are screw terminals for connecting the two-conductor wire to the garage door or gate operator. A small red 'LEARN' button is visible on the opposite side, used for programming transmitters. The product label with specifications and certifications is also visible.

## 5. OPERATING INSTRUCTIONS

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Once the receiver is installed and programmed with your MegaCode transmitters, simply press the button on your programmed transmitter. The receiver will activate its normally open contact for 0.5 seconds, signaling the garage door or gate operator to open or close, or to stop, depending on its current state and programming.

## 6. PROGRAMMING (LEARNING MODE)

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The MDR-U receiver can store up to 10 unique MegaCode transmitter codes. To program a transmitter:

1. **Locate the LEARN Button:** Identify the small red 'LEARN' button on the side of the receiver unit (refer to the product image for location).
2. **Enter Learning Mode:** Press and release the 'LEARN' button. The receiver will enter learning mode, typically indicated by an LED light (if present) or a specific operational state.
3. **Transmit Code:** Within approximately 10 seconds of pressing the 'LEARN' button, press the button on your MegaCode transmitter that you wish to program.
4. **Confirmation:** The receiver should provide a confirmation (e.g., a flash of an LED, a click, or a brief activation of the connected operator) indicating successful programming.
5. **Test Operation:** Test the newly programmed transmitter to ensure it operates the garage door or gate operator correctly.
6. **Program Additional Transmitters:** Repeat the process for any additional transmitters, up to the maximum capacity of 10.

## 7. TROUBLESHOOTING

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- **Receiver Not Responding:**
  - Check if the receiver is properly plugged into a live 110 VAC outlet.

- Verify that the power to the garage door or gate operator is on.
- Ensure the two-conductor wire connections are secure at both the receiver and the operator.
- **Transmitter Not Working:**
  - Confirm the transmitter is a Linear MegaCode format transmitter.
  - Attempt to reprogram the transmitter following the steps in Section 6.
  - Check the battery in your transmitter.
- **No Visual Feedback During Programming:** Some units may not provide explicit visual feedback (like an LED flash) during programming. If the unit does not respond after programming, try testing the transmitter. If it still fails, re-verify all connections and power.
- **Operator Not Activating:** Ensure the receiver's output wires are connected to the correct input terminals on your garage door or gate operator. Incorrect wiring may prevent activation.

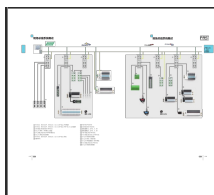
## 8. SPECIFICATIONS

<b>Model Number</b>	MDR-U
<b>Brand</b>	FAS
<b>Power Input</b>	110 VAC +/- 10%, 60 Hz
<b>Dimensions (D x W x H)</b>	1.61" x 2.52" x 1.61"
<b>Transmitter Capacity</b>	10 MegaCode Transmitters
<b>Output Activation</b>	Normally open contact, 0.5 seconds
<b>Connectivity Technology</b>	Cordoned (Wired)
<b>Compatible Devices</b>	Garage Door Operators, Gate Operators
<b>Manufacturer</b>	LINEAR RESEARCH

## 9. WARRANTY AND SUPPORT



For warranty information or technical support, please refer to the documentation provided with your purchase or contact the manufacturer, LINEAR RESEARCH, directly. Keep your proof of purchase for warranty claims.

### Related Documents - MDR-U



#### [FAS Industrial Automation IO-Link Modules, Cables, and Connectors](#)

Comprehensive catalog of FAS IO-Link modules, industrial Ethernet cables, and connectors. Featuring Profinet, Ethernet/IP, EtherCAT, and CC-Link IE Basic compatibility with M12, M8, RJ45, and SUB-D connectors for robust industrial automation.

	<p><a href="#">Pneumatic Solenoid Valves and Valve Islands - Product Catalog</a></p> <p>Comprehensive catalog detailing pneumatic solenoid valves, including M8 and M12 connectors, various valve functions (2x3/2, 5/3), and advanced valve island configurations with IO-Link and fieldbus interfaces. Features technical specifications, ordering data, and accessories for industrial automation applications.</p>
	<p><a href="#">FAS FNI IOL-310-S01-K024 IO-Link Module Use Instructions</a></p> <p>User instructions for the FAS FNI IOL-310-S01-K024 IO-Link module, detailing its features, interface, data handling, security, and specifications for industrial network connectivity.</p>
	<p><a href="#">V2 WALLY-U Receiver: Installation and Programming Guide</a></p> <p>This document provides comprehensive instructions for the V2 WALLY-U receiver, covering installation, product description, intended use, technical specifications, and detailed programming procedures for various functions like monostable, bistable, and timer modes. It also includes information on disposal and compliance.</p>
	<p><a href="#">BOTTICELLI SMART BT A 850 120V Garage Door Opener: Installation &amp; User Manual</a></p> <p>Comprehensive installation and user manual for the BFT BOTTICELLI SMART BT A 850 120V automatic garage door opener. Covers safety, installation, operation, technical specifications, and accessories.</p>
	<p><a href="#">BOTTICELLI SMART BT A 850-1250: Installation and User Manual for Garage Door Automation</a></p> <p>Comprehensive installation and user manual for the BOTTICELLI SMART BT A 850-1250 garage door automation system. Includes setup, operation, technical specifications, and troubleshooting.</p>