

Appendix 6.

User manual

ZR-2 REPEATER

Introduction

Thank you for purchasing the ZR-2 Repeater. The ZR-2 is used to extend the operational range between Total Control products that work on URC's 2.4 GHz RF network, such as the TRC-780 and to the MRX Advanced System Controller. Once joined to an MRX, it wirelessly repeats communication between a Total Control remote and an MRX Advanced System Controller.

Features and Benefits

- Wirelessly extend the range between TC 2.4 GHz products
- Additional ZR-2 Repeaters can be joined to extend the RF signal to every corner of the home, or small office.
- Compact size allows for easy installation
- Seamless integration with the Total Control System

Parts Guide

The ZR-2 Repeater includes:

- 1 - ZR-2 Repeater
- 1 - Owner's Manual

ZR-2 REPEATER

ZR-2 Front and Rear Panel Descriptions

The front and rear panel consists of:



Power LED: When illuminated this light indicates the ZR-2 is powered.

Status LED: The LED shows the RF signal strength between the ZR-2 and the MRX Advanced System Controller. Pressing the **Test** button on the rear of the unit refreshes the signal strength.

When the LED is:

- **Off:** There is no signal to communicate between Total Control products. Press the Test button to reconnect to the MRX Advanced System Controller.
- **Orange:** Poor signal strength. URC recommends relocating the unit for strong signal reception.
- **Green:** Receiving optimal signal strength.

Data LED: The Data LED flashes as the ZR-2 Repeater transmits data.

Test: Press to obtain the current signal strength status between the ZR-2 and the MRX Advanced System Controller.

USB: INSTALLER ONLY!! Used for updating the unit's firmware.

ZR-2 REPEATER

Specifications

RF Frequency: 2405 ~ 2480 MHz (Two-way RF)

Effective Range: Typically 50-75 ft, depending on environment

Size: L x D x H = 2.559" x 0.984" x 1.968"

Weight: 2 oz.

Power Supply: 100 ~ 240V~, 50/60Hz, 0.3A

USA Limited Warranty Statement

Your Universal Remote Control, when delivered to you in new condition, is warranted against defects in materials or workmanship as follows: **UNIVERSAL REMOTE CONTROL, INC.** warrants this product against defects in material or workmanship for a period of one (1) year and as set forth below. Universal Remote Control will, at its sole option, repair the product using new or comparable rebuilt parts, or exchange the product for a comparable new or rebuilt product. **In the event of a defect, these are your exclusive remedies.**

This Limited Warranty covers only the hardware components packaged with the Product. It does not cover technical assistance for hardware or software usage and it does not cover any software products whether or not contained in the Product; any such software is provided "AS IS" unless expressly provided for in any enclosed software Limited Warranty.

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REV020708

Federal Communication Commission Interference Statement

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 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.

Warning!

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

Note : The manufacturer is not responsible for any Radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

FCC Caution

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.

Any changes or modifications not expressly approved by the party responsible for compliance could void the authority to operate equipment.

The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Federal Communication Commission (FCC) Radiation Exposure Statement

This remote device is approved as a hand-held and hand-operated only portable (relative to hand) device which is normally operated at 20 cm from a person's body.

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