

# total control<sup>®</sup>

## Owner's Manual ZR-1N Z Repeater



 **URC<sup>®</sup>**  
Control the Experience.

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## Introduction

Congratulations on your purchase of the ZR-1N Z Repeater! The ZR-1N is used to extend the operational range between Total Control products such as the TRC-780 and the MRX-10. Once joined to the MRX-10 it will wirelessly relay communication between an TRC-780 and another ZR-1N repeater.

## Features and Benefits

Wirelessly extends the range between Total Control products. Extend the operational range between a TRC-780 remote and a MRX-10 Advanced Network System Controller. Control lighting, music and more from throughout the home.

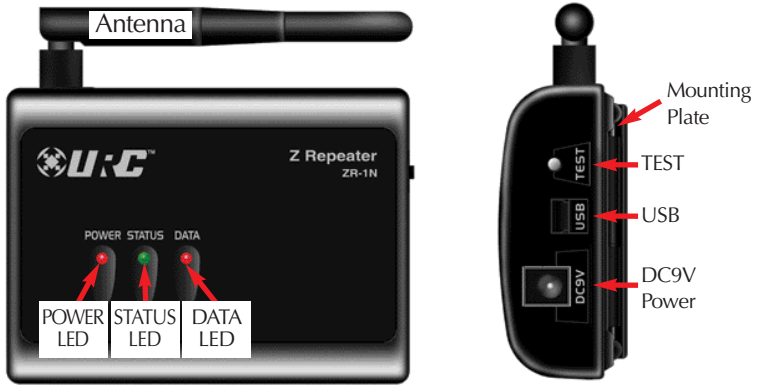
## Parts Guide

The ZR-1N Z Repeater includes:

- |                             |                      |
|-----------------------------|----------------------|
| 1 - ZR-1N Z Repeater        | 1 - AC Power Adapter |
| 1 - Wall Mount and 4 Screws | 1 - Owner's Manual   |

## ZR-1N Front and Side Panel Descriptions

The front panel consists of 3 indicator lights which will illuminate when in use.



**Power LED:** Indicates that the ZR-1N is powered on when illuminated.

**Status LED:** The LED will show what the RF signal strength of the ZR-1N to the MRX-10. By pressing the TEST button on the side of the unit, it will indicate the signal strength. When the LED is:

- . OFF: The ZR-1N is not testing for signal strength, and the TEST button should be pressed.
- . Orange: The signal strength is LOW, and the ZR-1N should be move to a different location
- . Green: The signal strength is GOOD, and the ZR-1N is in a good location.

**Data LED:** The LED will flash RED when the unit is transmitting or receiving data.

**Antenna:** Omnidirectional antenna. Adjust the antenna for best performance. Usually vertical positioning works well.

**DC9V Power:** Attach the included 9V DC power supply here.

**Mounting Plate:** May be attached to a wall or other surface with the included screws for easy slide on/off mounting.

## Specifications

**RF Frequency:** 2.48GHz (Two-way RF)

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

**Size:** L x D x H = 3.625" x 1.125" x 6.625" (with antenna vertical)

**Weight:** 3 oz.

**Power Supply:** 9V DC 300mA

## Limited Warranty Statement

### 1. Limited Warranty and Disclaimers

Universal Remote Control, Inc. ("URC") warrants that the URC equipment shall be free from defects in material and workmanship under normal usage for two (2) years from purchase when such is purchased from URC. **This limited warranty is valid only in the United States of America.** URC warrants that the software will substantially conform in any material respect to its functional specifications at the time of delivery. URC SHALL NOT BE LIABLE FOR OPERATIONAL, TECHNICAL OR EDITORIAL ERRORS AND/OR OMISSIONS MADE IN THE URC DOCUMENTATION. URC DOES NOT WARRANT THAT THE URC SOFTWARE IS BUG-FREE OR ERROR FREE OR THAT THERE ARE NO ERRORS/BUGS IN THE URC SOFTWARE.

URC warrants that at the time of purchase the URC equipment and the URC software complied with all applicable regulations and policies of the Federal Communications Commissions ("FCC") regarding electromagnetic interference caused by electronic/computing devices and to the extent that the URC equipment and/or the URC software fails to so comply, URC shall, at its own expense, take all reasonable measures to promptly cause such to comply.

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The warranty limitations and warranty disclaimers may not apply to end user in whole or in part, where such are restricted or excluded by applicable law and such shall apply to the maximum extent permitted by applicable law.

In the event of any warranty claim, URC will, at its sole option, repair the URC equipment using new or comparable rebuilt parts, or exchange the URC equipment for new or rebuilt equipment. **In the event of a defect, these are the end user's exclusive remedies.**

All the URC equipment returned for service, exchange or repair require an RGA number. To obtain an RGA number, you must complete a Return Request Form which you may obtain by calling (914) 835-4484 or contacting URC at [returnrequest@universalremote.com](mailto:returnrequest@universalremote.com). To obtain warranty service, end user must deliver the URC equipment, freight prepaid, in its original packaging or packaging affording adequate protection to URC at 420 Columbus Avenue, Valhalla, NY 10595. It is the end user's responsibility to backup any macro programming, artwork, software or other materials that may have been programmed into the unit. It is likely that such data, software, or other materials will be lost during service and URC will not be responsible for any such damage or loss. A dated purchase receipt, bill of sale, installation contract or other verifiable proof of purchase is required. For the URC equipment support and other important information, please visit URC's website available at [www.universalremote.com](http://www.universalremote.com) or call the Customer Service Center at (914) 835-4484.

This limited warranty only covers the URC equipment issues caused by defects in material or workmanship during ordinary consumer use. It does not cover product issues caused by any other reason, including but not limited to product issues due to commercial use, acts of God, third-party installation, misuse, limitations of technology, or modification of or to any part of the URC equipment. This limited warranty does not cover the URC equipment sold as used, as is, refurbished, so called "B stock" or consumables (such as batteries). This limited warranty is invalid if the factory applied serial number has been altered or removed from the URC equipment. **This limited warranty specifically excludes the URC equipment sold by unauthorized resellers.**

With the exception of URC's IR-only, broad-based consumer remotes, none of



URC's PC programmable remotes or any of our Total Control® whole-house equipment are authorized for online internet sales. Buying URC's PC programmable remotes or any of our Total Control® whole-house equipment online means buying equipment that does not have a URC's limited warranty. Such equipment is not eligible for URC tech support or software support, either.

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## **End User Agreement**

The terms and conditions of the End User Agreement available at [www.universalremote.com/eua.php](http://www.universalremote.com/eua.php) shall apply.

## 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**

The device and the antenna for this device must be installed to ensure a minimum separation distance of 20 cm more from a person's body. Other operating configurations should be avoided.

# Declaration of Conformity

Company Name : Universal Remote Control Inc.  
 Company Address : 500Mamaroneck Avenue, Harrison, NY 10528, U.S.A  
[www.universalremote.com](http://www.universalremote.com)  
 Contact Information : Phone: (914)835-4484 Fax: (914)835-4532  
 Brand Name : UNIVERSAL remote control  
 Product Name : ZR-1N Z Repeater  
 Model Name : ZR-1N

This product herewith complies with the requirements of EMC Directive (2004/108/EC) and R&TTE Directive(1995/5/EC) issued by the Commission of the European Community

Compliance with these directives implies compliance with the standards above

■ EMC Directive

- EN 55022(2010)
- EN 55024(2010)
- EN 61000-3-2(2006)+A1(2009)+A2(2009)
- EN 61000-3-3(2013)
- AS/NZS CISPR 22(2009)+A1(2010)

■ R&TTE Directive

- EN 60950-1(2006) + A11(2009) + A1(2010) + A12(2011)+A2(2013)
- ETSI EN 62479(2010)
- ETSI EN 301 489-1 V1.9.2 (2011)
- ETSI EN 301 489-17 V2.2.1(2012)
- ETSI EN 300 328 V1.8.1 (2012)

List of test reports and/or certificate verified compliance with the standards above

■ EMC Directive

- Report No.
- Testing Laboratory : Gumi College EMC Center

■ R&TTE Directive

- Certificate No.
- Certificate Body : TUV Rheinland (No. 0197)

Date of issue : January 9, 2015

Name and signature of authorized person : Quality Assurance Team  
OHSUNG ELECTRONICS CO., LTD.









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