



## MRX-30 OWNER'S MANUAL



# TOTAL CONTROL 2.0

## Introduction:

The MRX-30 Advanced Network System Controller is designed to meet the needs of large residential or small commercial environments.

Only **Total Control 2.0** software, products, and user interfaces are supported by this device.

## Features and Benefits:

- **Stores and issues commands** for all IP, IR, RS-232, Relays, Sensors, and 12V controlled devices.
- Provides **two-way communication** with **Total Control 2.0** user interfaces (remotes and keypads)..
- Easy rack-mounting via the included **rack mounting ears**.

## Parts List:

The MRX-30 Advanced Network Controller includes:

- 1 x MRX-30 System Controller
- 1 x AC Power Adapter
- 1 x Power Cord
- 1 x Adjustment Tool
- 1 x Ethernet Cable
- 12x IR Emitters 3.5mm (standard)



### Front Panel Descriptions:

The front panel consists of three (3) indicator lights which illuminate during usage:

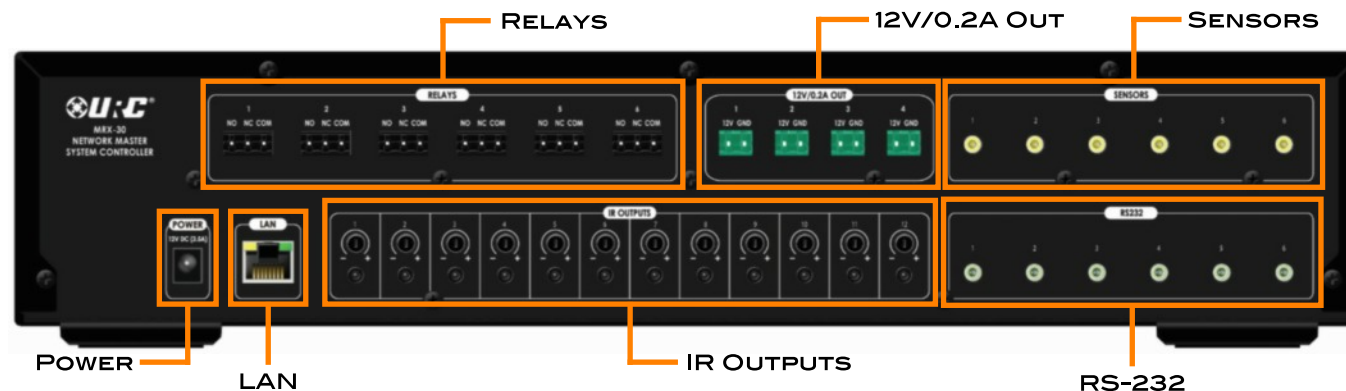
1. **Power:** Indicates that the MRX-30 is powered when illuminated.
2. **Ethernet:** When the device has valid Ethernet connection, the indicator light remains a solid blue.
3. **Status Light:** Two (2) possible states:
  - **Status Light On:** Connected to LAN and internet.
  - **Status Light Off:** Connected to LAN, no internet or Ethernet cable has been unplugged.
4. **Reset:** Press once to power cycle the device.



### Rear Panel Description:

Below are the ports located at the rear of the MRX-30:

1. **Relays (NO, NC, or COM):** Six (6) programmable relays.
2. **12V OUT:** Four (4) programmable outputs. Each port may be programmed to turn on, off, or momentarily toggle.
3. **Sensors:** Six (6) programmable sensor ports, compatible with all URC sensors.
4. **Power:** Attach the included power supply here.
5. **LAN:** RJ45 10/100/1000 Ethernet port.
6. **IR Outputs:** 12 standard 3.5mm IR emitter ports with variable output level adjustment screws.
7. **RS-232:** Six (6) RS-232 serial ports (TX, RX, and GND) for wired one-way or two-way communication.



### **Specifications:**

**Network:** One 10/100/1000M RJ45 Ethernet port (two LED indicators)

**Weight:** 99.15 oz

**Size:** 16.92" (W) x 3.7" (H) x 8.66" (D)

**Power:** DC 12V/3.3A

**12V/.2A:** Four (programmable)

**IR Outputs:** 12 Standard 3.5mm IR emitter ports (variable)

**RS-232:** Six supporting TX, RX, and GND

**Sensors:** Six programmable sensor ports

### **Limited Warranty Statement**

#### 1. **Limited Warranty and Disclaimers**

Universal Remote Control, Inc. ("URC") warrants that URC equipment purchased directly from URC or from an authorized URC dealer or distributor shall be free from defects in material and workmanship under normal usage for a period of one (1) year from the date of purchase of the product by the end-user, but no longer than thirty-six (36) months from the date of shipment of the URC equipment by URC to an authorized URC dealer or distributor, except that with respect to Total Control® whole-house products, the warranty extends for two (2) years from the date of purchase by the end-user, but no longer than forty-eight (48) months from the date of shipment of the URC equipment by URC to an authorized URC dealer or distributor.

**This limited warranty is valid only in the United States of America.**

**URC equipment purchased from other than an authorized URC dealer or distributor is without warranty.**

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 Commission ("FCC") regarding electromagnetic interference caused by electronic/computing devices and to the extent that the URC

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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.

THIS LIMITED WARRANTY DOES NOT COVER TECHNICAL ASSISTANCE FOR HARDWARE OR SOFTWARE USAGE EXCEPT AS EXPRESSLY PROVIDED FOR HEREIN.

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WITHOUT IN ANY WAY LIMITING THE GENERALITY OF THE OTHER PROVISIONS HEREIN, THIS LIMITED WARRANTY DOES NOT COVER: (I)

DAMAGE FROM MISUSE, NEGLIGENCE OR ACTS OF NATURE, (II) MODIFICATIONS, (III) INTEGRATION WITH THIRD PARTY CONTENT, OR (IV) BEYOND THE WARRANTY PERIOD AND/ OR FAILURE TO FOLLOW URC WARRANTY CLAIM PROCEDURE.

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 37 Ramland Road, Unit 104, Orangeburg, NY 10962. It is 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.

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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 URC's limited warranty. Such equipment is not eligible for URC tech support or software support, either.

## 2. URC's Limitations of Liability

IN NO EVENT SHALL URC BE LIABLE FOR INDIRECT, SPECIAL, INCIDENTAL, EXEMPLARY, PUNITIVE OR CONSEQUENTIAL DAMAGES OF ANY KIND OR LOSS OF PROFITS OR BUSINESS OPPORTUNITY, EVEN IF URC IS ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

IN NO EVENT SHALL URC BE LIABLE FOR LOSS OF OR DAMAGE TO DATA, COMPUTER SYSTEMS OR COMPUTER PROGRAMS.

URC'S LIABILITY, IF ANY, FOR DIRECT DAMAGES OF ANY FORM SHALL BE LIMITED TO ACTUAL DAMAGES, NOT IN EXCESS OF AMOUNTS PAID BY END USER FOR THE URC EQUIPMENT.

IN NO EVENT SHALL URC BE LIABLE FOR ANY EVENTS BEYOND ITS CONTROL, INCLUDING ANY INSTANCE OF FORCE MAJEURE.

IN NO EVENT SHALL URC BE LIABLE FOR THE ACTS OR OMISSIONS OF END USER OR ANY THIRD PARTY.

THE LIMITATIONS OF LIABILITY MAY NOT APPLY TO END USER IN WHOLE OR IN PART, WHERE SUCH ARE RESTRICTED LIMITED OR EXCLUDED BY APPLICABLE LAW AND SUCH SHALL APPLY TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW.

URC SHALL NOT BE HELD RESPONSIBLE FOR THE STATEMENTS MADE BY OTHERS.

SOME STATES OR JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, OR ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO END USER. THIS LIMITED WARRANTY GIVES END USER SPECIFIC LEGAL RIGHTS AND END USER MAY HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE OR JURISDICTION TO JURISDICTION.

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## **End User Agreement:**

The terms and conditions of the End User Agreement available at <https://www.universalremote.com/end-user-agreement/> 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.

## **Regulatory Information to the User:**

### ● **CE Conformity Notice:**

Products with "CE" marking comply EMC Directive 2014/30/EU issued by the commission of the European Community.

1. EMC Directive
  - Emission
  - Immunity
  - Power

### ● **Declaration of Conformity:**

"Hereby, Universal Remote Control Inc. declares that this MRX-30 is in compliance with the Essential requirements