Owner's Manual

MX-990

Universal Remote Control



Control the Experience.

For questions about your Custom Programming call:

Custom Programming of a complex home theater and/or a multi-room system is one of the most challenging tasks within an audio/video installation. It involves an intimate knowledge of how the components interact and exact details on the proper sequences of control.

Only a Complete Control dealer has the requisite experience and training to quickly and effectively customize a remote control for true automated operation.

Congratulations on your choice!

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Table of Contents

Congratulations 1

Features and Benefits 1

Before Getting Started 2

Parts Guide 2

Installing The Battery Pack 3

Using The Charging Base 3

Button Layout 4

Using The MX-990 5

Settings Menu 6

Accessing the Settings Menu 6

Sleep Timers 6

Event Timers 7

Date and Time 7

Power 8

Button Light 8

Brightness 9

Sound 9

Pickup 10

System 10

Factory Default 11

Exit 11

Precautions & Information: Rechargeable Lithium Ion Batteries 12

Hardware Specifications 12

Limited Warranty Statement 13

End User Agreement 15

FCC Conformity Statement 16

Congratulations

Thank you for purchasing URC's MX-990 Universal Remote Control. This remote provides one-touch simplicity when using today's more complicated audio/video configurations. When used with an optional RF base station this remote can wirelessly control devices without needing line-of-sight throughout your home or small business. Controlling your system is simple with the MX-990.

Features and Benefits

- One-Touch Automation

  A series of commands may be programmed on a single button making it convenient and efficient to perform the most common activities. A single press can turn on your home theater, close the shades, dim the lights, and start your favorite movie. With this customizable remote, the possibilities are endless!

- Wireless Control

  The MX-990, when paired with an optional RF base station, allows for wireless control of your devices without the need for line-of-sight control (IR). This means your equipment can be housed separately (in a cabinet, another room or a different floor) and still easily controlled without the annoyance of aiming the remote. Your electronics can be completely out of sight, but still at your command!

- Customizable User Interface

  The MX-990's brilliant 2.4" color display is completely customizable by a URC Certified Professional Custom Integrator. With their expertise it is possible to add custom graphics, sounds, personalized layouts and themes to match your styles and tastes.

- Scheduled Event Timers

  Use your MX-990 to help automate common activities and commands by scheduling events (programmed by your Custom Integrator) to execute on your schedule. Set a Goodnight event timer to turn off lights, TV's and music at your normal bedtime every night of the week. A Good Morning event timer could wake you up to your favorite news channel. Once your Custom Integrator programs the activity, it is up to you to enable or disable the event's execution at the scheduled time.

- Pick-Up Sensor

  The MX-990's integrated pick-up sensor allows the remote to come to life the moment its position is changed. Lift the remote and it immediately wakes up, turns on the backlight, illuminates the LCD screen, and is instantly ready to control your home.

Before Getting Started

For Use Exclusively With URC's CCP Software

The MX-990 is programmed via URC's Complete Control Software Suite. This software is available only to URC Certified Professional Custom Integrators.

Parts Guide

What's included with your new product

- MX-990 Universal Remote Control
- Charging Base
- Lithium Ion Rechargeable Battery
- Room Labels
- USB Cable
- A/C Power Adapter (FCC / US Only)
- Warranty Card

Regional Power Adapter Notice

For the CE / EU version, the AC power adapter is not included. Please use a commercially available, CE-certified power adapter that complies with applicable local safety requirements. Use only a power adapter with a output voltage and cuurent rating that matches the rated input marked on the product label.

Installing The Battery Pack



•Press the spring lock down to unlock and remove the battery cover

The battery is included in the box when shipped from the factory



•Place the battery into the battery compartment, making sure to align the contacts on the battery to the contacts on the TRC-820.

The battery snaps into place when aligned properly.

•Replace the cover.

Using The Charging Base

•Plug the 5V AC adapter into a power receptacle
•Insert the adapter'smini connector into the bottom of the charging base
•Gently place the MX-990 into the cradle of the charging base.

The remote automatically aligns itself with the contacts on the charging base. The status indicator lights Red, indicating the battery is charging. The indicator then turns Blue, indicating a full charge.



Button Layout

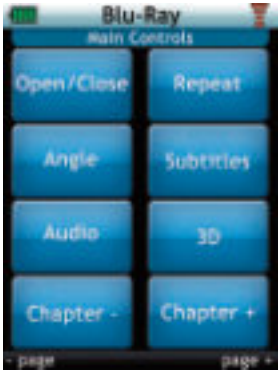


Using The MX-990

The MX-990 incorporates a custom user interface which may be modified (by your Professional Custom Integrator) to look many different ways. The use of this remote, in its basic configuration is described below.



The MX-990's Main pages display the activities and devices in your system. Press the Main button to view the activities and devices available in the system. Large systems may have more than one page. Press either of the Page buttons to view additional options. Press any LCD button to select that activity or device.



Once an activity is selected the on-screen icons change to display the commands available for the activity chosen. The Page buttons reveal even more buttons for most devices amd activities.

To control a different device (or select a new activity) press the Main button and select a new activity or device from the Main page.

Settings Menu

The Settings menu is where options such as screen brightness, button sound and more can be adjusted. Information on the hardware and software configuration can also be accessed from this Settings menu.

Accessing the Settings Menu

The Settings menu is accessed by pressing and holding the Main and Enter buttons simultaneously for three seconds. Once the Settings menu appears, the next action must be made within 60 seconds, after which time the remote reverts back to the Main screen.

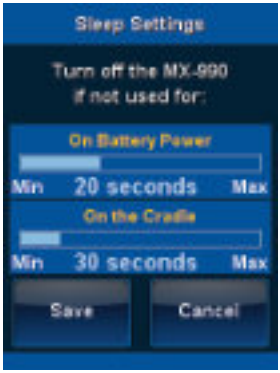


The available selections of the Settings menu extend beyond what is visible on the initial screen; use the navigation pad in the center of the remote to move up and down the list, highlighting available selections. To select an item, highlight the desired item, then press the SEL(Select) button in the center of the navigation pad. To go back a step or to exit the settings screen, press the Main button.

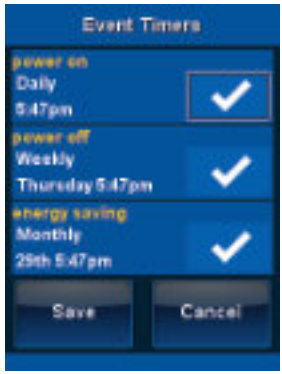
Sleep Timers

Adjust the amount of time that the remote's LCD screen and button backlight remain lit. Reducing sleep timers improves battery life.

Once the Sleep Timers are adjusted, press the Save button. Pressing the Cancel button reverts to the remote's last saved setting.



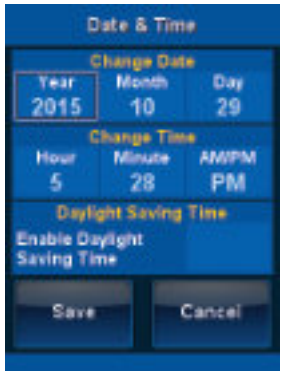
Event Timer



Timed events can be programmed (by your Professional Custom Integrator) to perform any number of tasks. Anything your remote is capable of doing can be set to happen automatically (on a certain day of the week, time of day, or calendar date). You the user can activate or deactivate these events anytime, through this menu. Checking the box corresponding to an event enables it. Un-checking a box leaves the event disabled.

Once the Event Timers are adjusted, press the Save button. Pressing the Cancel button reverts to the remote's last saved setting.

Date and Time



The MX-990's date and time have been previously set (when programmed). If needed, you can adjust the date and time by changing the settings on this screen.

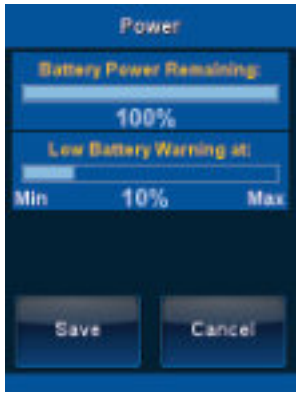
Note that the date and time must be set correctly for Event Timers to take place at the desired times.

After adjusting the date and time, press the Save button. Pressing the Cancel button reverts to the remote's last saved setting.

Power

You can display the remaining battery level by selecting Power. You can also adjust when the Low Battery warning screen appears.

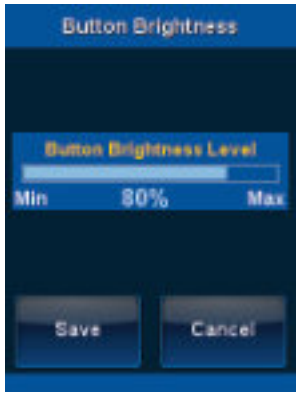
Once the power is adjusted, press the Save button. Pressing the Cancel button reverts to the remote's last saved setting.



Button Light

You can adjust the brightness of the LEDs that backlight the buttons of the MX-990. Press the adjacent hard buttons to increase or decrease the button light level. Decreasing the brightness improves battery performance.

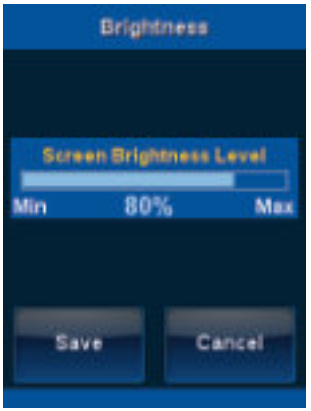
Once the button light is adjusted, press the Save button. Pressing the Cancel button reverts to the remote's last saved setting.



Brightness

Adjust the screen brightness by pressing the adjacent hard buttons to increase or decrease the brightness level. Decreasing the brightness improves battery performance.

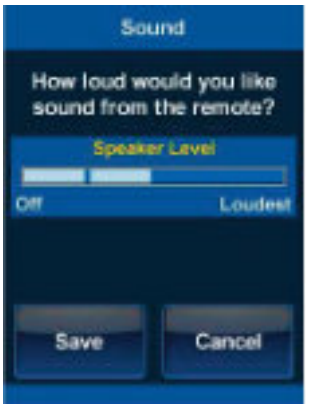
Once the brightness is adjusted, press the Save button. Pressing the Cancel button reverts to the remote's last saved setting.



Sound

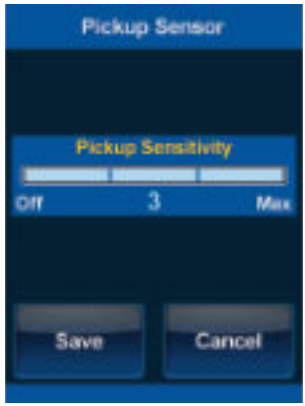
You can adjust the volume of the MX-990. Pressthe adjacent hard buttons to increase or decrease the volume level.

Once the sound is adjusted, press the Save button. Pressing the Cancel button reverts to the remote's last saved setting.



Pickup

You can set your MX-990 to turn on when the remote is picked up. Select a level of sensitivity between 0 and 3 (0 being off and 3 being the most sensitive). The more sensitive the setting, the less movement is needed to wake the remote.

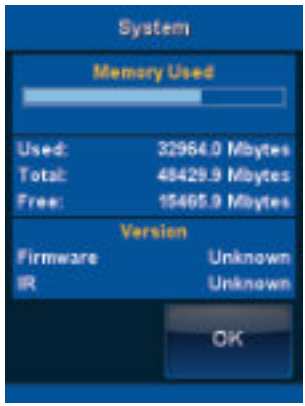


Once the pickup is adjusted, press the Save button. Pressing the Cancel button reverts to the remote's last saved setting.

System

The System Information screen displays data about your MX-990's Operating System, Memory etc.

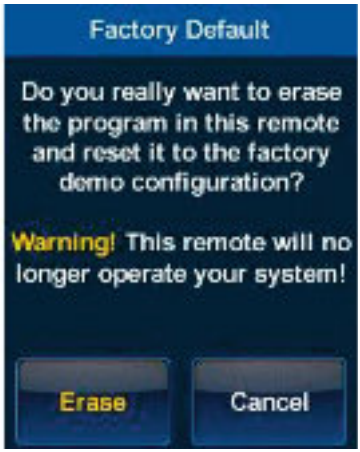
When finished viewing this section press the OK button to return to the Settings Menu or the Main button to exit to the Main Menu.



Factory Default

WARNING! Only use this button when instructed by Technical Support. It resets the memory of the MX-990 to the factory settings.

All your programming will be lost!



Exit

When you have finished adjusting Settings, press the Exit button to return to normal operation.

Precautions & Information: Rechargeable Lithium Ion Batteries

If you are not using your remote for an extended period of time, be sure to remove the battery from the remote. Do not attempt to disassemble, alter, or apply heat to the battery. Use care to avoid dropping the battery or subjecting it to severe impact that could damage the case. The battery should not be immersed in water. Lithium Ion batteries are recyclable; for the address of a recycle drop-off location near you call toll free: (800) 822-8837 or visit http://www.rbrc.com

Hardware Specifications

Microprocessor: ARM9 454MHz
RAM: 64Mbyte Mobile DDR
NAND: 128Mbyte
LCD: 2.4 Inch Screen (240 by 320) LCD
Backlighting by LED
Devices: Supports up to 255 Devices with text, less with heavy graphics
Usage Pages: Supports up to 255 Pages on each Device with text, less with heavy graphics usage
Macro Capability: Up to 255 steps each, however nesting is allowed
IR Range (Line of Sight via Infrared): 30 to 50 feet, depending on the environment
RF Range (Radio Frequency): 50 to 100 feet, depending on the environment
Battery: Lithium polymer, 1330mAh
Battery Charging Time: 5 Hours
Size: 8.98”H x 2.32”W x .874”D
Battery Warranty: 1 Year
Weight (with battery loaded): 6.21oz
SMPS: 5V/1A
USB Connector

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 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, NEGLECT 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. 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 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 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 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 SYSTEMSOR COMPUTER PROGRAMS.

URC'S LIABILITY, IF ANY, FOR DIRECT DAMAGES OF ANY FORM SHALL BE LIMITED TO ACTUAL DAMAGES, NOT IN EXCESSOF AMOUNTS PAID BY END USERFOR 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 APPLYTO END USER IN WHOLE OR IN PART, WHERE SUCH ARE RESTRICTEDLIMITED OR EXCLUDED BY APPLICABLELAW AND SUCH SHALL APPLY TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW.

URC SHALL NOT BE HELD RESPONSIBLEFOR THE STATEMENTS MADE BY OTHERS.

SOME STATESOR 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 APPLYTO END USER. THIS LIMITED WARRANTY GIVES END USER SPECIFICLEGAL RIGHTS AND END USERMAY HAVE OTHER RIGHTS WHICH VARY FROM STATETO STATE OR JURISDICTION TO JURISDICTION.

End User Agreement

The terms and conditions of the End User Agreement are available at 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 on and off, the user is encouraged to try to correct the interference by one or more of the following measures:

- ◆Reorient or relocate the receiving antenna.
- ◆Increase the separation between the equipment and receiver
- ◆Connect the equipment to 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.



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