MX-780
Owner's Manual

COMPLETE CONTROL™

Universal Remote Control®

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Table Of Contents

Congratulations! 1

Using the MX-780 2

Displaying the Settings Screen 3

Color Screen 3

Button Lighting 4

System 5

Erasing and Resetting 5

Specifications 6

Contact Us 6

USA Limited Warranty Statement 7

Federal Communication Commission Interference Statement 9

Congratulations!

Thank you for purchasing the Complete Control MX-780 universal remote control. This unit can directly control every IR device in your home. You can also control devices located in different rooms by integrating an MRF base station. Controlling your home is simple with the MX-780 remote.

Brilliant OLED color display with hard button interface

When any button is pressed, the color OLED (Organic Light Emitting Diode) screen, as well as the remote buttons, light up. Once the screen is lit, each of the three buttons on either side of the screen are labeled. These button labels are based on the devices you want to watch or listen to.

User interface customizable for any activity

Each button is customizable for activities such as watching TV or listening to the radio. These activities can contain multiple commands (macros) which enable a single button press to turn the needed devices ON or OFF.

Ultra-reliable narrow band RF - compatible with URC 418 MHz RF Base Stations

The MX-780 can communicate directly to RF base stations, such as the MRF-350 and the MRF-260. It also natively communicates to URC Lighting via 418MHz RF. This gives the MX-780 the ability to control your system without being in direct line-of-sight.

Fast setup of complex systems via Complete Control PC editor

To fully automate an audio/video system, and integrate two way automation of servers etc., the programmer must have a detailed knowledge of each component, LAN configuration, WiFi optimization and how the system is connected and operated. Only a trained and certified professional audio/video installer can install an MX-780 remote control in a timely and efficient manner.

Replacing the Batteries

Unlock the battery cover by pushing up on the spring lock at the bottom of the cover. Remove the cover. Observe the + and – polarity indicators inside the battery compartment and the batteries. Place the four AA batteries into their positions in the battery compartment. Now, replace the battery cover and snap it into place.

Using the MX-780

The MX-780 displays the title (Main or device) at the top of the screen. Below the title, the OLED displays the device or command names. All of the hard buttons of the MX-780 are changed to control the functions of the selected device.

The **Title** displays what the main page or device you can control.

Press either of the **Page** buttons to see any other available choices.

The **Volume** and **Mute** buttons always control the sound regardless of what screen is displayed.

The **Transport buttons (Play, Stop, Skip-, Skip+, FF, REW and Pause)** operate when the selected device requires them. When watching Cable TV, use the number keypad to enter channel numbers.
When listening to a CD, the number keypad enters track numbers.

The **Light** button backlights all of the buttons.

The **OLED button labels** describe special features for this activity.

The **Channel** and **Previous Channel** buttons will change channels when you have selected devices like CABLE.

The **4 way cursor** buttons enable you to navigate on screen guides and menus with ease.

The **Number keypad** enters numbers for the devices you've selected. When watching Cable TV, use the number keypad to enter channel numbers. When listening to a CD, the number keypad enters track numbers.

Displaying the Settings Screen

You can adjust settings for the MX-780 whenever you like by pressing and holding the **MAIN + ENT** button for three seconds. When you do, the screen will change to the Settings menu. If you do not press any button on the Settings screen, the MX-780 returns to the previous Settings or Main screen after 30 seconds.

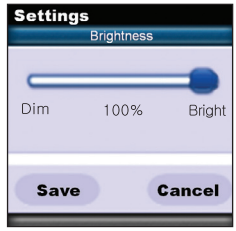
There are two Settings screens. To access the other page, press either of the **page** buttons. To select a setting, press the button adjacent to the setting you would like to adjust.

To go back a step or to get out of the settings screen, press either the **MAIN** button or the **EXIT** button on the MX-780.

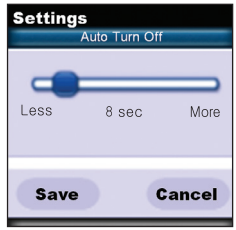
Color Screen

Color screen settings provides two configurable options.

1. Brightness: Adjust the screen brightness by pressing the screen buttons on the left and right side of the slider bar. Once the brightness has been adjusted, simply press the **Save** button. Pressing the **Cancel** button will revert to the remote's last saved brightness setting. *Note: High brightness settings will delete the batteries faster.*



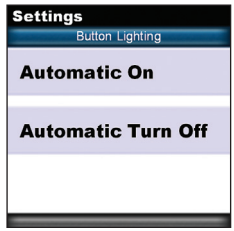
2. Automatic Turn Off: Adjust the duration the OLED screen will remain illuminated after a button is pressed. Pressing the **left** and **right** screen buttons, next to the slider bar, changes how long the OLED screen stays on. Pressing the **Less** side decreases the time in steps down to a minimum time of 5 seconds. Pressing the **More** side increases the time in steps up to a maximum of 60 seconds. Once the setting has been adjusted, simply press the **Save** button. Pressing the **Cancel** button reverts the remote's Automatic Turn Off setting to the last saved setting. *Note: Increasing the Auto Turn off time will delete the batteries faster.*

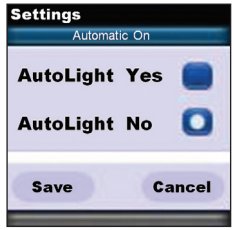


Button Lighting

The Button Light settings page provides two configurable options for how the MX-780's hard buttons should behave.

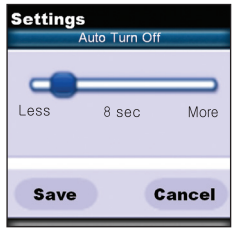
1. Automatic ON: Adjusting this setting controls when the hard button backlight automatically turns on.
   a. Automatic Light Yes: Every time a button is pressed the button back light automatically turns on.
   b. Automatic Light No: The only way to turn on the hard button backlight is to press the dedicated Lights button, located on the right side of the remote control.





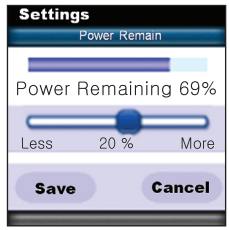
   Once all changes have been made, press the Save button. Pressing the Cancel button reverts to the remote's last saved setting. *Note: Selecting AutoLight Yes will delete the batteries faster.*

2. Automatic Turn Off: You can adjust the amount of time the backlight remains on after a button is pressed. Press the **left** and **right** screen buttons next to the slider bar to change the duration. Pressing the **Less** side decreases the time in steps down to a minimum of 5 seconds. Pressing the **More** side increases the time in steps up to a maximum of 60 seconds. Once the setting has been adjusted, simply press the **Save** button. Pressing the **Cancel** button reverts to the remote's last saved Automatic Turn off setting. *Note: Increasing the Auto Turn off time will delete the batteries faster.*

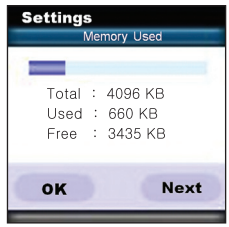


System

The System Settings page provides two options.



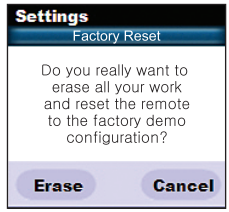
1. Power Remaining: This option shows you how much battery life is remaining. You can also adjust when the low battery warning screen appears by pressing the screen buttons to the **left** and **right** of the slider bar. Once the low battery percentage is reached, a notification screen appears reminding you the batteries will need to be replaced. Once the setting has been adjusted, simply press the **Save** button. Pressing the **Cancel** button reverts to the remote's last saved Power Remaining setting.



3. System Info: The System Info screen displays data about the MX-780's memory usage and operating system version. Pressing the **Next** screen button takes you to the Operating System information, and pressing the **Prev** button takes you back to the System Memory information.

Erasing and Resetting

WARNING! Only use this button when instructed by Technical Support. It resets the memory of the MX-780 to the factory default. All of your programming will be lost!



To erase your MX-780 program, press the **Erase** button to return to factory default. Once selected a secondary screen will ask if you really want to erase the program.

Specifications

Microprocessor: ARM7TDMI

FLASH: 32Mbit Nor FLASH

Display: 1.46" PMOLED (128 x 128)

Total Customization Capability: Up to 48 devices and up to 8 pages each for a total of 384 pages.

Learning Capability: Standard frequencies (15kHz to 460kHz)

Macro Capability: Up to 255 steps each

IR Range (Line of Sight via Infrared): 30-50 feet, depending on the environment

RF Range (radio frequency): 50 to 100 feet, depending upon the environment

RF Frequency: 418MHz

Weight: 8.5 oz. (with battery)

Size: 8.7"H x 2.2"W x 1.3"D

Batteries: Four AA Alkaline Batteries (included)

Battery Life: 18 Hours of continuous button pressing with backlighting and LCD ON (months of use for most users). Users should expect some variation based on the brand of alkaline batteries used.

Note: In actual use, the MX-780 protects itself if it gets stuck between couch cushions (with a button being continuously pressed). After 30 seconds the MX-780 will turn off, and will-not turn on again until the button is released.

Contact Us

Need assistance or have questions?
Our Customer Service Support Center is here to help.
Call (914) 835-4484 to speak with a customer service representative or email us at techsupport@universalremote.com

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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.

To obtain warranty service, you must deliver the product, freight prepaid, in its original packaging or packaging affording adequate protection to Universal Remote Control at the address provided in the Owner's Manual. **It is your responsibility to backup any macro programming, artwork, software or other materials that may have been programmed into your unit. It is likely that such data, software, or other materials will be lost during service and Universal Remote Control 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 product support and other important information visit Universal Remote Control's website: http://www.UniversalRemote.com or call the Customer Service Center (914) 835-4484.

This Limited Warranty only covers product 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 modifi -cation of or to any part of the Universal Remote Control product. This Limited Warranty does not cover Universal Remote Control products 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 product. This Limited Warranty is valid only in the United States of America. **This Limited Warranty specifically excludes products sold by unauthorized resellers.**

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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.

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