

MX-790 / MX-790i

Owner's Manual

Complete Control

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Introducing the MX-790

Thank you for purchasing URC's MX-790 wand remote control. Its easy and intuitive use helps to simplify your life while adding control of more things than thought possible.

Online Support:
Complete Control is sold direct only and must be installed/program by a certified custom integrator.

End-User Support:
Visit the URC Home Page for product information, owner's manuals, and support contact information.

Contact Support:
Complete Control is a URC product sold direct only. For questions or assistance contact your Custom Installer/Programmer.

My Installer/Programmer

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Technical Support
Toll Free: 800-904-0800
Main: 914-835-4484
techsupport@urc-automation.com
Hours: 9:00am - 5:00pm EST M

Rev 1.5

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Congratulations!

Thank you for purchasing the Complete Control MX-790 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-790 remote.

Brilliant LCD color display with hard button interface
The color LCD (Liquid Crystal Display) 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 customization for any activity
Each Main Menu button can be customized 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-790 can communicate directly to RF base stations. This gives the MX-790 the ability to control your system without being in direct line-of-sight. (The MX-790i uses a frequency of 433MHz.)

Fast setup of complex systems via Complete Control PC editor
To fully automate an audio/video system, the programmer must have a detailed knowledge of each component and how the system connects and operates. Only a trained and certified professional audio/video installer can install an MX-790 remote control in a timely and efficient manner.

Replacing the Batteries
Remove the cover by lightly pressing down on the grooves along the top and sliding the cover away from the remote. 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 slide it into place.

Complete Control

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+, Rec, Fwd, Rew and Pause)** operate when the selected device requires them.



The Light button activates button backlighting.

The **LCD 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.

Using the MX-790

The MX-790 displays the title (Main or name of the device being used) at the top of the screen. Below the title, the LCD displays the device's command names. All of the hard buttons of the MX-790 are changed to control the functions of the selected device.

IR Learning

The MX-790 is capable of learning IR commands from another remote. The IR window on the MX-790 is narrower than most of URC's remotes. Ensure the MX-790 and the other remote are on a level service with the IR windows closely facing each other.



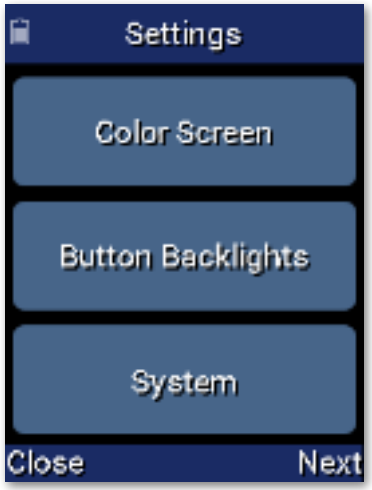


Displaying the Settings Screen

You can adjust settings for the MX-790 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-790 returns to the previous Settings or Main screen after 30 seconds.

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

To go back a page, press **Back**. To exit the **Settings** menu, press either the **MAIN** button or the **EXIT** button on the MX-790.





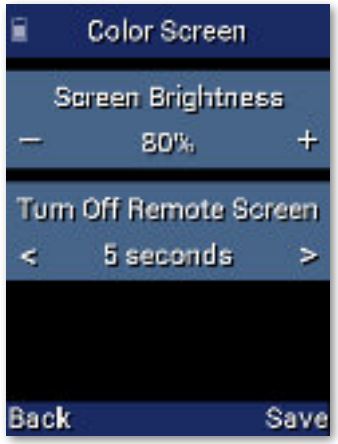
Color Screen
Color screen settings provides two configurable options.

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 **Back** button will revert to the remote's last saved brightness setting.

   Note: High brightness settings will deplete the batteries faster.

2. **Automatic Turn Off**: Adjust the duration the LCD 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 LCD 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 **Back** button reverts the remote's Automatic Turn Off setting to the last saved setting.

   Note: Increasing the Auto Turn off time will deplete the batteries faster.



Button Lighting
The Button Backlights settings page provides two configurable options for how the MX-790's hard buttons should behave.

1. **Backlight When Pressed:** Adjusting this setting controls when the hard button backlight automatically turns on.

   A. **Yes:** Every time a button is pressed the back light automatically turns on.

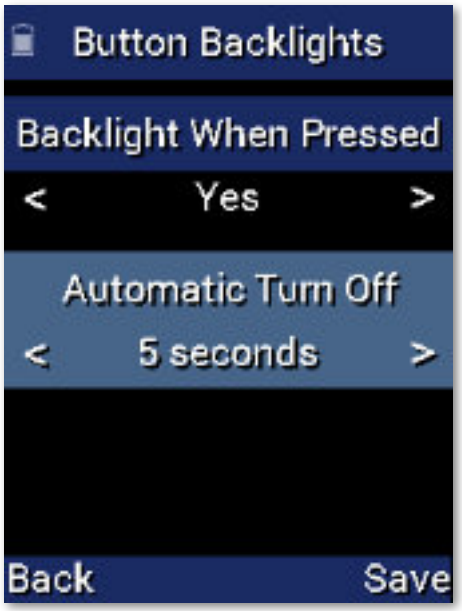
   B. **No:** The only way to turn on the hard button backlight is to press the dedicated Light button, located on the upper-right side of the remote control.

   Once all changes have been made, press the Save button. Pressing the Back button reverts to the remote's last saved setting.

   Note: Selecting Backlight When Pressed will deplete 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 **<** and **>** screen buttons to change the duration. Pressing the **<** decreases the time in steps down to a minimum of 5 seconds. Pressing the **>** increases the time 8 seconds. Once the setting has been adjusted, simply press the **Save** button. Pressing the **Back** button reverts to the remote's last saved Automatic Turn off setting.

   Note: Increasing the Automatic Turn Off Time will deplete the batteries faster.

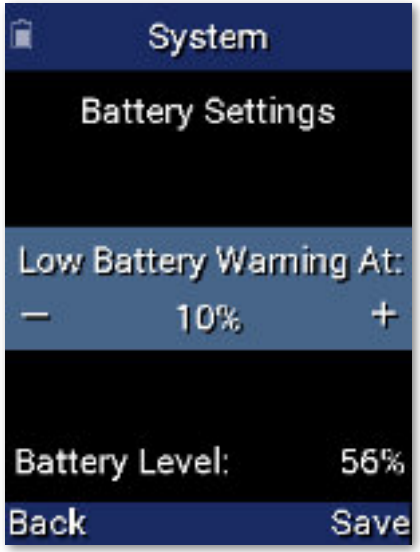


System
The System Settings page provides two options.

1. **System Info:** The System Info screen displays data about the MX-790's memory usage and operating system version. Pressing the **Next** screen button takes you to the **Battery Settings** screen, and pressing the **Back** button takes you back to the **Settings** menu.

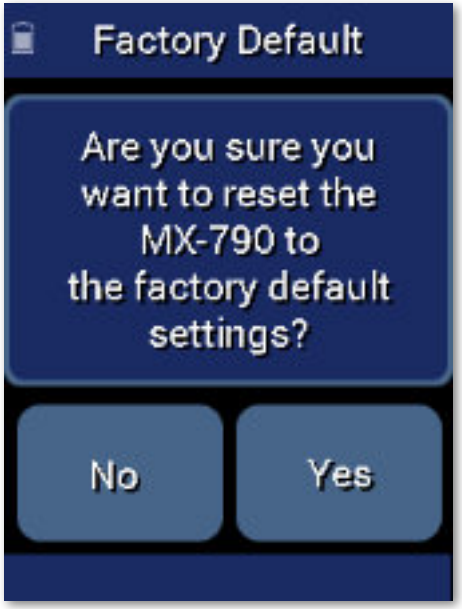
2. **Power Remaining:** This option shows you how much battery life is remaining. You can also adjust when the low battery warning screen appears by pressing the screen buttons to the **left** and **right** of the slider bar. Once the low battery percentage is reached, a notification screen appears reminding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





Erasing and Resetting
WARNING! Only use this button when instructed by Technical Support. It resets the memory of the MX-790 to the factory default. All of your programming will be lost!

To erase your MX-790 program, press the **Erase** button to return to factory default. Once selected, a confirmation screen will ask if you really want to erase the program.



Specifications

These are the technical specifications for the MX-790:

Microprocessor: ARM Cortex

Memory: External 64Mb

RAM: CPU Internal 48Kbytes

LCD: 240 x 320, 2" TFT LCD

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

Batteries: 4x AA Alkaline Batteries (DC 6V / 1.5V x 4EA)

Operating Temp: 0~40 ℃

Size: 225 X 52 X 27.5 (mm)

Product Weight: 222g (with battery loaded)

Parts List

These are the parts included within the packaging:

- **MX-790 Remote Control**
- **4x AA Alkaline Batteries**
- **USB Type C-Cable**
  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.

Limited Warranty Statement

https://www.urc-automation.com/legal/warranty-statement/

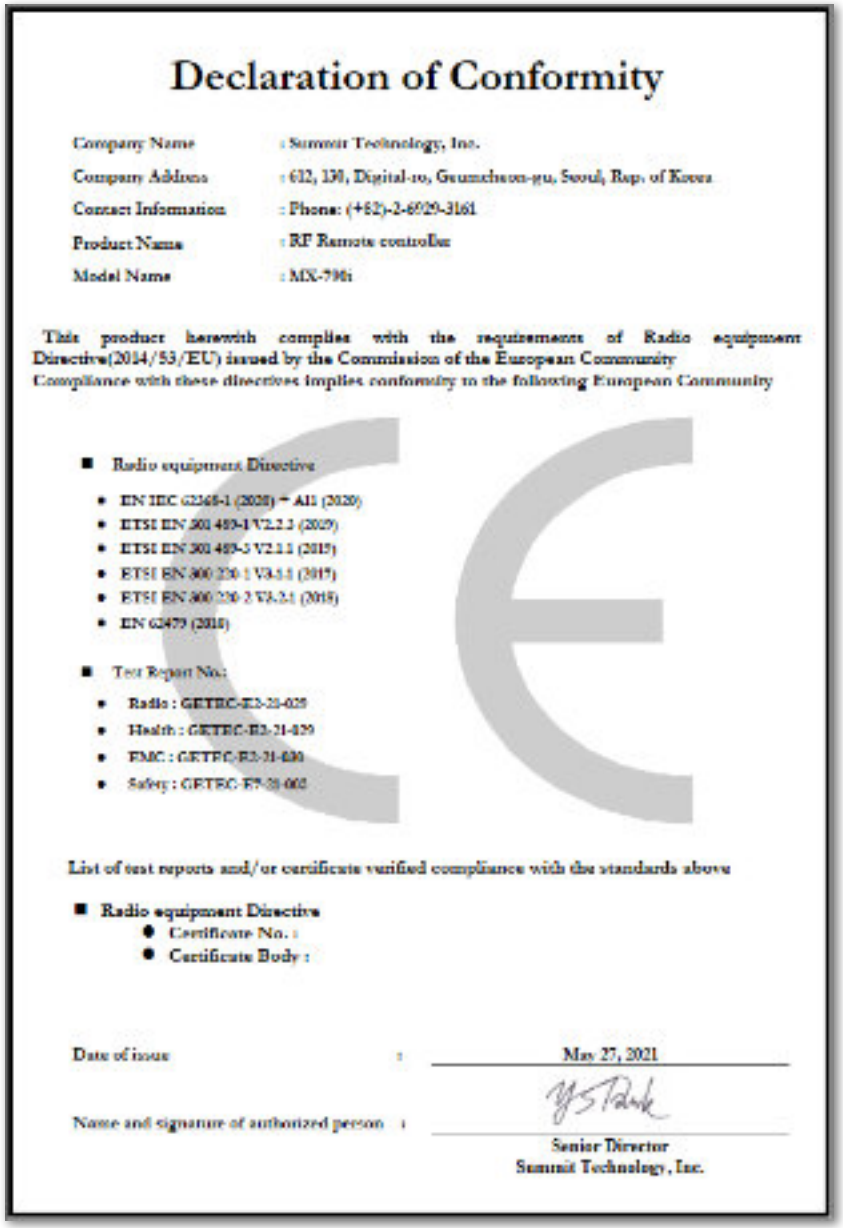
End User Agreement

The terms and conditions of the End User Agreement available at https://www.urc-automation.com/legal/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.



Declaration of Conformity

Company Name	: Summit Technology, Inc.
Company Address	: 612, 130, Digital-ro, Guemcheon-gu, Seoul, Rep. of Korea
Contact Information	: Phone: (+82)-2-6929-3161
Product Name	: RF Remote controller
Model Name	: MX-790i

This product herewith complies with the requirements of Radio equipment Directive(2014/53/EU) issued by the Commission of the European Community
Compliance with these directives implies conformity to the following European Community

- Radio equipment Directive
  - EN IEC 62368-1 (2020) + A11 (2020)
  - ETSI EN 301 489-1 V2.2.3 (2025)
  - ETSI EN 301 489-3 V2.3.3 (2025)
  - ETSI EN 300 220-1 V3.3.1 (2017)
  - ETSI EN 300 220-2 V3.2.1 (2018)
  - EN 62479 (2010)
- Test Report No.:
  - Radio : GETEC-E3-21-025
  - Health : GETEC-E3-21-029
  - EMC : GETEC-E3-21-030
  - Safety : GETEC-E3-21-005

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

- Radio equipment Directive
  - Certificate No. :
  - Certificate Body :

Date of issue : May 27, 2021

Name and signature of authorized person :

Senior Director
Summit Technology, Inc.

Warning!

The manufacturer is not responsible for any Radio or TV interference caused by unauthorized modifications to this equipment.

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the 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 MX-790 is in compliance with the Essential requirements."