

**Home Theater Master^{□□}
LCD Screen
Preprogrammed and Learning
Remote Control**



**MX-700™
Operating
Manual**

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1. Introduction

Congratulations! You have purchased one of the most sophisticated remote controls on the market. The MX-700™ Dual Remote System has been designed to provide a new standard in remote control technology offering a very powerful and flexible preprogrammed, learning, PC custom programmed product. The PC software allows for quick and easy programming of your MX-700™ and the SideKick remote. This manual covers the MX-700™. You can refer to the MX-700™ software manual and the SideKick instruction manual for more information on those products.

Setting up your MX-700™ to operate your components is easy. Please follow the instructions in the manual and retain the manual for future reference. If any words used are unfamiliar to you, please refer to page xx for a Glossary of terms used in this manual.

Your MX-700™ can operate up to twenty home entertainment and home automation components by using the preprogrammed code library in the remote control, by teaching up to 912 commands into the MX-700™ from your original remote controls, or by using a PC with the MX-700™ software. All three methods can be used to customize your MX-700™.

The MX-700™ has many additional operating features to add convenience and enjoyment to the operation of your home entertainment system. You can create your own labels of the buttons on the LCD screen; program 50 favorite channel buttons; operate the volume, channel and transport buttons from one device when you are in another device; and have multiple things done with one press of a button!

1. Introduction

For any questions or comments about the MX-700™, please visit our website, www.hometheatermaster.com or contact us at: Universal Remote Control, Inc.; 500 Mamaroneck Avenue; Harrison, NY 10528 at 914-835-4484 or e-mail us: service@urcmx.com Customer service hours are 9:00 AM to 6:00 PM EST, Monday – Friday.

2. Batteries

A. Battery Installation

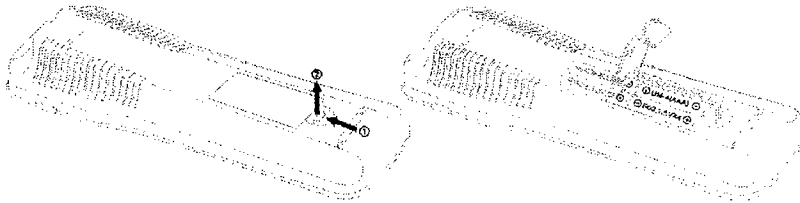
Before the remote control can be used, the batteries need to be installed. First, unsnap the battery cover on the back of the unit and install the four AAA batteries inside the battery compartment as shown. Make sure the batteries line up with the (+) and (-) markings. Improper installation could damage the remote control. When you're done, slide the battery cover back on. The remote control starts up automatically and the default devices will appear on the LCD screen.

B. Battery Life

Under normal operating conditions, the batteries will last approximately six months. If the batteries are running low, you will notice reduced range from the remote, commands that are not sent properly, or are not sent at all. You may also notice the backlighting of the LCD screen and the buttons is diminished. Should any of these occur, replace the batteries immediately. To ensure proper performance of the unit, use only 4 new AAA alkaline batteries.

2. Batteries

The remote control will retain the commands and settings in memory even after the batteries are low or become discharged. See Memory Lock on page xx. However, you should replace the worn batteries with a fresh set as soon as possible. Please do not mix new and used batteries.



3. Summary of Operations

A. Description of Devices

The MX-700™ is designed to operate up to twenty components including **Audio Receivers, Cable and Satellite Boxes, TV, DVD (LD), VCR1, VCR2, CD, Tape and AUX.** However, each of the device buttons and corresponding functions can be changed to meet your individual requirements. Almost any device that uses infrared commands can be controlled by the MX-700™, including Home Automation, Lighting, Window Treatments, Personal Computers and more.

3. Summary of Operations

Tip) The auxiliary function (AUX) could be used to operate lighting controls; or the second VCR (VCR2) could be changed to operate a second TV.

Each device button on the main screen contains up to four sub-pages of commands and you can change the name of any LCD button using up to five alphabet characters, numbers and symbols to customize the unit to fit your audio/video devices. Please refer to "LCD Button Editing" on page xx for additional details.

B. Preprogrammed Codes

The MX-700™ includes extensive preprogrammed IR codes for practically all major audio and video equipment. You can set up and operate all of your components with the MX-700™ simply by entering a three-digit code number assigned to your brand of component. The code numbers for the various brands of components are listed in the back of this instruction manual or are in the MX-700™ software database. Please refer to the programming instructions shown on page xx for details.

C. Learning From Other Remote Controls

The MX-700™ can learn codes from your original remote controls. There are 87 LCD screens in the MX-700™. Each screen (page) has ten function buttons, including the twenty device buttons on the main menu screen that can be taught. In addition, there are 32 buttons and a joystick (thumbpad) that can be taught for each of the twenty devices. You can teach up to 912 new functions into the remote control. Please refer to page xx in the instruction manual for details.

3. Summary of Operations

D. Macro Operations

A "macro" is a series of commands that you choose to be sent out with the push of one button. Any function available on your original remote control or in the preprogrammed database can be added to a macro to completely automate what you would normally do by pushing buttons one at a time. It can be as simple as "Turning on your TV and Cable Box, tuning the TV to the appropriate channel for operation with the Cable Box, and changing the Cable Box channel to your favorite morning news". Or a macro can be configured to "Power On your TV, DVD player and receiver, change to the appropriate inputs and outputs, dim your lights and start the movie". It can be as simple or as comprehensive as you want. You can program macros in the MX-700™ or with the MX-700™ software.

There are two types of macro buttons you can use for macro operations:

System On and Off Buttons

These buttons are called "system-wide" buttons, because they send out the same signal no matter what device you are currently controlling. These two buttons are designed to send out a series of up to 190 commands you program into the buttons. One common use is to turn on and turn off all of your A/V components with one button press, but the buttons can be programmed with whatever macro you desire.

3. Summary of Operations

Twenty Device Buttons

There are twenty device buttons and each of these device buttons can send out a series of up to 190 programmed commands when pressed. These buttons are commonly used in sending audio input codes when you press the button to go to a device. The audio receiver would make an automatic input switch according to the device button you pressed. However, these buttons can be programmed with whatever macro you desire.

E. Favorite Channel Buttons

You can create up to 50 favorite channel buttons in the MX-700™ by programming the most frequently watched channel numbers into these buttons. Each of these buttons can send out up to 190 commands. Please refer to page xx of the manual for Favorite Channel Programming.

F. Punch Through Operations

The MX-700™ can be set up to operate your audio component volume control buttons (VOLUME UP and DOWN and MUTE) while all the other buttons control other equipment. You can also set up the remote to operate channel control and transport functions (PLAY, STOP, REWIND, FAST FORWARD, SKIP-, SKIP+, PAUSE and RECORD buttons) from VCR, DVD, LD, CD or any other mode while all other buttons in the remote control are controlling other components. This can be done in the MX-700™ or with the MX-700™ software. Please refer to page xx in the manual for details.

3. Summary of Operations

G. Editing LCD Text

You can write your own text on each of the eighty-seven LCD screens. This can be customized with the MX-700™ software or directly in the MX-700™. Please refer to page xx in the manual for details.

H. Cloning the MX-700™ and the MX-700™

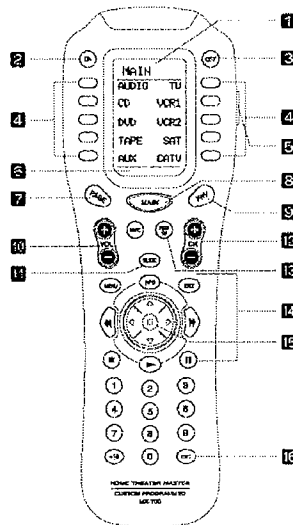
The MX-700™ is capable of sending all the programmed codes and operations from one MX-700™ to another MX-700™. By holding two MX-700's together you can clone. The MX-700™ software can download files to any MX-700™ and the SideKick. Please refer to page xx in the manual for details.

I. All Other Operations

You can set the duration of the backlight on time and change the LCD screen contrast. Please refer to page xx in the manual for additional details.

3. Summary of Operations

J. LCD Screen and Button Layout

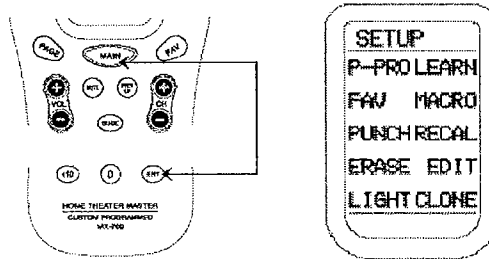


- 1 Displays the name of the device selected.
- 2 POWER OFF(System off)
- 3 POWER ON
- 4 Displays the device and function names.
- 5 LIGHT button.
- 6 Displays page number.
- 7 LCD Page change button.
- 8 MAIN DEVICE menu button.
- 9 Favorite Channels
- 10 VOLUME
- 11 MUTE
- 12 CHANNEL
- 13 Previous Channel button.
- 14 TRANSPORT functions(PLAY, STOP, REWIND and FF)
for VCR, CD and DVD etc.
- 15 JOYSTICK button(UP, DOWN, LEFT, RIGHT and ENTER)
to move the cursor and enter the selection by pushing down
the joystick.
- 16 ENTER

3. Summary of Operations

K. System Settings

All **programming** is done by first entering the SETUP mode in the remote control. Press both the **MAIN** and **ENTER** buttons simultaneously for **three seconds** to enter the SETUP mode.



You can exit the SETUP mode by simply pressing the **MAIN** button.

4. Programming MX-700™ to Control Your Components

WHERE DO I START?

First of all, get all of your original remote controls together. Find out what brand of components you have. You may have one or more components that do not have original remote controls, but can still be controlled by the MX-700™. You must use the preprogrammed method for those devices. For the rest, you can program the MX-700™ to make it compatible with your components by following the preprogrammed method instructions, by using your original remote controls to teach the MX-700™, or both methods. In addition the MX-700™ software allows for quick and easy programming of both the MX-700™ and the SideKick remote.

Next, it is a good idea to decide whether you want a "Device-based" configuration, or if you want an "Activity-based" configuration.

A "Device-based" configuration centers on each Device with up to four LCD pages controlling one component. All of the functions that your original remote control has on it would be put on to one device. The MX-700™ comes with the labels and preprogrammed codes in a "Device-based" setup. If you go to the "List of Preprogrammed LCD Text by Device" on page xx, you will see diagrams of how the MX-700™ is set up at the factory. When you choose a preprogrammed code for a component from the "Setup Code Tables" in the Appendix of this manual, that code will be applied to one device only. The MX-700™ software has a number of options that allow for custom programming.

4. Programming MX-700™ to Control Your Components

An "Activity-based" configuration centers on what you are doing at the time. If you are watching a DVD on your TV, and are using your Home Theater receiver to control the sound, you may want to start by setting up the DVD Device using the preprogrammed method described below, and then add functions from the other devices you will be using while watching your DVD video to the DVD device.

For example, while playing a DVD, you will want to adjust the volume of your receiver. So, you would use the "Punch Through" method described on Page xx to put the Receiver's Volume control into your DVD Device. You may then want to adjust other functions of your Receiver while staying in the DVD device, so you would use the learning method described on Page xx to add those functions to your DVD device, such as surround sound controls, the receiver's DVD input code, the TV's power code, etc. Everything that you need for watching a DVD on your TV without having to jump back and forth from Device to Device.

You can decide where on the MX-700™ you want your functions to reside, relabeling the LCD screen buttons (explained on Page xx) for those functions, and choosing preprogramming, learning, or a combination of both will give you a remote totally customized to your needs. The MX-700™ software gives you the freedom of developing custom screens in minutes.

So, let's start with learning how to preprogram the MX-700™.

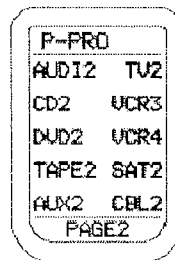
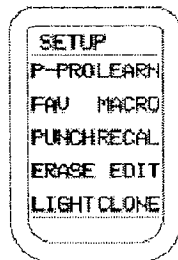
4. Programming MX-700™ to Control Your Components

A. Using Preprogrammed Codes

1. Three-Digit Code Number

You can program the MX-700™ to make it compatible with your components by using the preprogrammed method:

1. Manually turn on the device you wish to operate.
2. Go to the SETUP mode by pressing both the **MAIN** and **ENTER** buttons simultaneously for **three seconds**.
3. Press the **P-PRO** button next to the LCD screen.



4. The remote will be flashing "SELECT/
BUTTON". Press the button for the device you wish to program. (For example, to program TV, press the TV button.)
5. The remote will be flashing "FROM/TABLE". Select the device from which you want to access the code table.
(For example, if it is the TV code table, press the TV device button. If you have already relabeled your device keys, refer to the illustration on page xx or the front cover of the manual for which button to push to access the appropriate code library).

4. Programming MX-700™ to Control Your Components

6. The remote will be flashing "ENTER/NUMBER". Refer to the tables starting on page xx in the back of this manual and find the manufacturer of your device. (If you are programming the remote for the TV device, find the TV device code table.)
7. Point the remote control toward the device and enter the first three-digit code number you selected for your device. There is no way of knowing which code is the one that will have the functions that more closely match your device than the others, so it is wise to try them all. See #9 below.

(Please enter the code number within 20 seconds of beginning programming, otherwise the remote will revert to the SETUP menu, and then after a period of time, it will go back to the MAIN device page.)

If there is more than one code number assigned to your brand, try one code number at a time until you find the right code number (the number that **turns off** your device.)

If the device turns off when you enter the three-digit code, mark that code down. It will have at least some of the functions in it that are needed to control your device.

8. Confirm that it is the right code by pressing the Power button. The device should turn on. After you have confirmed that the right code is entered, save the code by pressing the **SAVE** button on the LCD.

4. Programming MX-700™ to Control Your Components

9. At this point try ALL of the buttons on the remote, and see which ones work with your device. The majority of the buttons should work with your device. Mark down the code if it seems to be the right one, and try the next one. You are trying to find the one that has the most functions to operate your equipment. If there are any functions missing, you will learn them from your original remote in the "Learning Method" section on page xx.

10. Continue to program other components by repeating from Step 1 above.

11. You can press **EXIT** at any time if you do not wish to proceed.

12. When you are finished programming your remote, exit from the preprogramming mode by pressing the **MAIN** button and then exit from the SETUP mode by pressing the **MAIN** button once again.

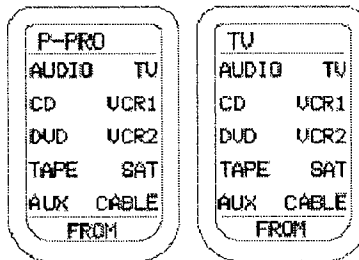
Tip) You can change the preprogrammed code for each device at any time by following the steps above. The new code will over-write the old code. For example, this would be done if you replace your old TV with a new one.

2. Auto Scan With Three-Digit Code Number

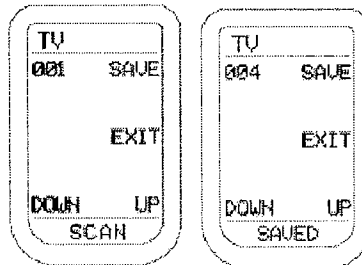
You can also program your remote control by sending out a series of Power Off commands for different brands stored in the library by using the following steps. This is similar to the first method, except it is easier to move through all of the device codes for your device and mark down each one that turns your device OFF.

4. Programming MX-700™ to Control Your Components

1. Manually turn on the device you plan to operate.
2. Go to the SETUP mode by pressing both the **MAIN** and **ENT** buttons simultaneously for **three seconds**.
3. Press the **P-PRO** button next to the LCD screen.



4. The remote will be flashing "SELECT BUTTON". Press the device you wish to program. (For example, to program TV, press the TV button.)
5. The remote will be flashing "FROM TABLE". Select the device from which the scanned code will be selected. (For example, if it is the TV code table, press the TV device button. If you have already relabeled your device keys, refer to the illustration on page 6 or the front cover of the manual for which button to push to access the appropriate code library).
6. Point the remote control toward the component and press either the **UP** or **DOWN** button on the LCD. (It will send out a series of Power Off codes when the button is kept pressed and the code numbers that are being sent are shown on the LCD.) If the right code number is sent, the component will turn off right after the code number is transmitted.



4. Programming MX-700™ to Control Your Components

7. Release the **UP** or **DOWN** button you were pressing as soon as the device is turned off. If you should happen to go past the one that turned off your device, just manually turn the device back on, and reverse your UP or DOWN one press at a time, until the unit turns off. There is no way of knowing which code is the one that will have the functions that more closely match your device than the others, so it is wise to try them all. See #9 below.

(Please press the UP or **DOWN** button within 20 seconds of beginning programming, otherwise the remote will revert to the SETUP menu, and then after a period of time, it will go back to the MAIN device page.)

If there is more than one code number assigned to your brand, try one code number at a time until you find the right code number (the number that **turns off** your device.)

If the device turns off when you enter the three-digit code, mark that code down. It will have at least some of the functions in it that are needed to control your device.

8. Confirm that it is the right code by pressing the Power button. After you have confirmed that the right code is entered, save the code by pressing the **SAVE** button on the LCD.

9. Confirm that you entered the right code number that matches your component by pressing other functional buttons. If any of the buttons do not operate, as they should, please repeat from Step 1.

4. Programming MX-700™ to Control Your Components

10. Continue to program other components by repeating from step 1 above.
11. You can press **EXIT** at any time if you do not wish to proceed.
12. Exit from Preprogrammed mode by pressing the **MAIN** button and then exit from the SETUP mode by pressing the **MAIN** button once again.

B. Learning Method

You can program the MX-700™ to operate a device by "teaching" the correct commands to device buttons on the main screen menu, the sub-pages within each device button, 32 buttons and the joystick located in the middle of the remote control. The MX-700™ learns these commands by receiving infrared signals directly from your existing remote controls. The MX-700™ receives these signals through its **learning eye**, located at the top of the unit. The MX-700™ software allows information to be uploaded and downloaded to the MX-700™ and the SideKick.

Apart from the PAGE, MAIN and FAV buttons, which cannot be taught, the MX-700™ has the capability of learning up to 912 commands.

Tip) Function buttons are any buttons that can be assigned a command to control a particular action for your device. Commonly used function buttons include up to four pages of sub-commands within each of the 20 devices, channel up and down, volume up and down, menu, guide, exit, info, 0-9, and the joystick.

4. Programming MX-700™ to Control Your Components

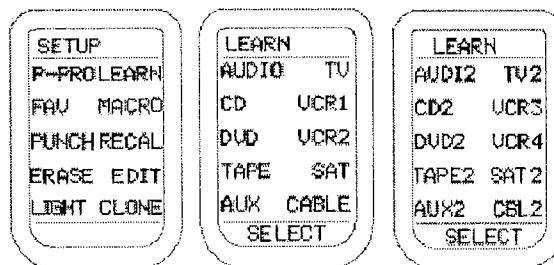
Points to Remember

If the remote control fails to learn a function after the first try:

- ¶ Keep the remotes stable by placing them on a flat surface.
- ¶ Make sure the original remote is pointed at the learning eye at the top end of the case and is not at an angle.
- ¶ Make sure both remote's batteries aren't low.
- ¶ Avoid programming the MX-700™ under bright lighting. It can interfere with the infrared signals.
- ¶ Try again. Sometimes the second or third attempt works.
- ¶ Some buttons require a single, short push of the original remote's button, other "repeating" buttons, such as the VOL button, require that you "press and hold" the original remotes button until "Good" flashes twice on the LCD screen.
- ¶ Try varying the distance between the remotes until you find an optimal distance where the codes are learned on the first or second try.

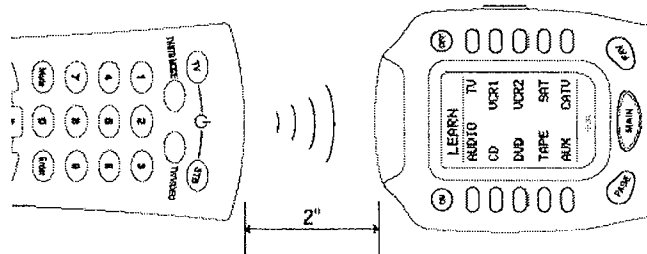
1. Programming The Function Buttons

1. Go to the SETUP mode by pressing both the **MAIN** and **ENT** buttons simultaneously for **three seconds**.



4. Programming MX-700™ to Control Your Components

2. Press the **LEARN** button next to the LCD screen.
3. Select the **DEVICE** that contains the function button you wish to program.
4. Press the **PAGE** button to go to page 2 of the device if you need to.
5. Place your original remote control head to head with the MX-700™ about 2 inches apart on a flat surface as illustrated below.



6. Press the button on the MX-700™ you wish to program. Only the three MAIN, PAGE and FAV buttons cannot be programmed.
7. Press the button on your original remote control you wish to program on to that button on the MX-700™. Once the MX-700™ has received the signal, the MX-700™ will flash **"Good"** on the LCD screen, indicating it learned the code correctly.

(Please do Step #6 within 20 seconds of Step #5, otherwise the remote will revert to the SETUP menu, and then after a period of time, it will go back to the MAIN device page.)

If it flashes **"Fail"**, repeat from Step 4 until it learns successfully.

4. Programming MX-700™ to Control Your Components

8. Return to Step #3 until you have programmed all of the buttons that you require.
9. Once you complete the programming and wish to exit the LEARNING mode, press the **MAIN** button. Exit from the SETUP mode by pressing the **MAIN** button once again.

Tip) Learning to VOL, CH and Transport buttons: If you are having problems learning to the Volume, Channel and Transport buttons, it may be that you have previously assigned a "Punch Through" from another device to that device. To remove a Punch Through, just punch through the device to itself. For example, to erase a punch through from a TV to an Audio Device, just punch through the TV to the TV. (See "Programming Punch Through functions on Page xx).

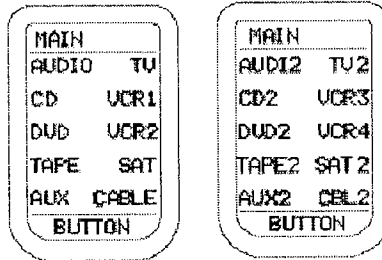
2. Programming The Twenty Device Buttons

This will program ONE learned code onto the Device button, so that when you select that Device, it will send out the learned signal as it changes to that Device's function pages.

1. Go to the SETUP mode by pressing both the **MAIN** and **ENT** buttons simultaneously for three seconds.
2. Press the **LEARN** button next to the LCD screen.
3. Important: Press the **PAGE** button.

4. Programming MX-700™ to Control Your Components

4. Place your original remote control head to head with the MX-700™ about 2 inches apart on a flat surface.



5. Select any of the twenty device buttons you wish to program on the MX-700™. Press the button on your original remote control you wish to program into the Device button you have chosen on the MX-700™. Once the MX-700™ has received the signal, the MX-700™ will flash "Good" on the LCD screen, indicating it learned the code correctly. If it flashes "Fail", repeat from Step 4 until it learns successfully. (Please enter the code signal within 20 seconds of programming.)

6. Return to Step #5 until you have programmed all of the Device buttons that you require.

7. Once you complete the programming and wish to exit the Learning mode, press the MAIN button. Exit from the SETUP mode by pressing the MAIN button once again.

Tip) Only follow these instructions if you actually want a code sent when changing devices. Some users do not want a Device to send out a code when changing to that device.

4. Programming MX-700™ to Control Your Components

For example: You program the AMP's TV input code on the TV device, and are in the DVD device pages because you are controlling the DVD player. The AMP's input is set to DVD. Now you want to quickly adjust the picture on the TV. If you push the TV Device button, it will change the input on your AMP to TV and you will not be able to adjust the picture for your DVD. In this case, it would be better not to program a code to the TV device. However, your circumstances may be different.

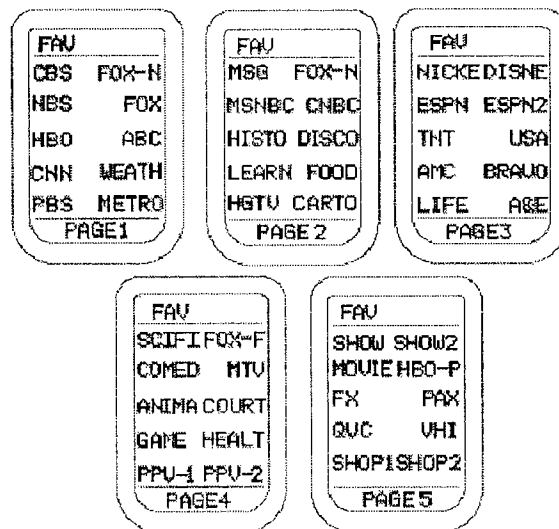
5. Programming Favorite Channels

You can create and program up to 50 Favorite Channel Buttons and each favorite channel button can send out up to 190 commands with one button press. In an advanced setup the Favorite Channel buttons can also be used for other macro commands.

1. Go to the SETUP mode by pressing both the **MAIN** and **ENT** buttons simultaneously for **three seconds**.
2. Press the FAV button next to the LCD screen.
3. Press the device button that corresponds to the component that your FAV channel will control. For example, pressing the TV device will only send out the type of code that the TV responds to. Pressing the Cable device will only control the cable box.

5. Programming Favorite Channels

4. Press the **LCD** button you will be assigning to the favorite channel and enter the channel number you wish to store in the FAVORITE channel button. You can store up to 10 digits.
5. Press the favorite channel button you selected in step 4 again to store the channel you programmed.



Tip) If you press a wrong channel number, move the cursor by using the left or right button of the joystick and then reassign the correct channel number.

6. Return to Step #3 until you have programmed all of the FAV channel buttons that you require.
7. Once you have completed the programming and wish to exit from the Favorite Channel mode, press the **MAIN** button. Exit from the SETUP mode by pressing the **MAIN** button once again.

Tip) There are five pages of LCD screens for favorite channel programming. You move to other pages by pressing the PAGE or FAV button.

6. Programming Macro Buttons

A "macro" is a series of commands that you choose to be sent out with the push of one button.

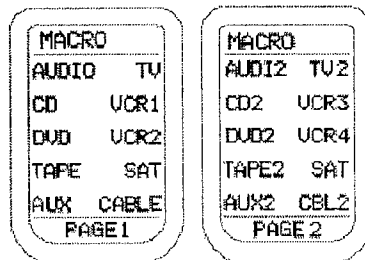
There are **912 macro functions** you can program with the MX-700™:

The buttons are designed to send out up to 190 commands from each of the hard buttons; and the **twenty device buttons** on the Main menu can send out up to 190 commands from each device button while on the MAIN page of the remote control.

See the "Tips" at the end of this section for help on programming macros.

A. Programming Macro Functions To Buttons

1. Go to the SETUP mode by pressing the **MAIN** and **ENTER** button simultaneously for **three seconds**.
2. Press the **MACRO** button next to the LCD screen.
3. Press one of the buttons you wish to store your macro on.



6. Programming Macro Buttons

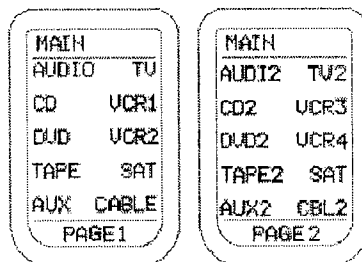
4. Press the functional buttons you wish to store in the device macro button you selected, in the order you want them stored. You can store up to 190 commands.

Important: Do not press the **MAIN** button at the beginning of your macro, or it will not work. You can use the **MAIN** button at any other step in your macro.

5. Be sure to end your macro on the Device page that you would like it to remain on when the macro is sent in normal use.
6. Store the commands you programmed into the macro button by pressing the **Channel Up** button.
7. Return to Step #3 until you have programmed all of the Macros that you require.
8. Once you have completed the programming and wish to exit from this mode, press the **MAIN** button. Exit from the SETUP mode by pressing **MAIN** button once again.

B. Programming Macro Functions To The Twenty Device Buttons

1. Go to the SETUP mode by pressing the **MAIN** and **ENTER** buttons simultaneously for **three seconds**.
2. Press the **MACRO** button next to the LCD screen.
3. Important: Press the **PAGE** button.



6. Programming Macro Buttons

4. Press one of the twenty device buttons you wish to store your macro on.
5. Press the functional buttons you wish to store in the device macro button you selected in the order you want them stored. You can store up to 190 commands.

Important: Do not press the **MAIN** button at the beginning of your macro, or it will not work. You can use the **MAIN** button at any other step in your macro.

6. Be sure to end your macro on the Device page that you would like it to remain on when the macro is sent in normal use.
7. Return to Step #4 until you have programmed all of the Macros that you require.
8. Save the commands you selected to the macro button by pressing the **CH UP** button.
9. Once you complete the programming and wish to exit from this mode, press the **MAIN** button. Exit from the SETUP mode by pressing the **MAIN** button once again.

Tip) Remember that a single push of a Device Button that has a macro connected to it will take you to that device's function pages.

Tip) Pressing the PAUSE button (the key to the bottom right of the cursor pad) during the macro programming will add a time delay of 0.2 seconds between the commands. For example, pressing the PAUSE button three times will create a pause of 0.6 seconds between the commands where the delay was inserted. Pressing the PAUSE button does not count as a macro step.

6. Programming Macro Buttons

Tip) When using a macro, remember to keep the remote pointed toward your components until the macro is finished being transmitted. You will notice the "Sending" icon flash in the upper right corner of the LCD screen as the macro is sending out each command. It will not show when a series of PAUSE commands are being executed. Wait until the icon finishes flashing before using other functions or putting the remote down.

Sample Macro: The following is a sample macro, to give you a quick idea of what a macro can do, in an easy step-by-step form. Please refer to "Programming Macro Buttons" above if you need to refresh your memory on programming macros. This example assumes you have not changed the names of the devices and that you have used "punch through" to assign the VOL to your receiver. If you have changed the labels, just insert the your changed names in the example below.

In this case we are going use **CABLE** button the to turn on the TV, the receiver, the Cable box, choose the appropriate inputs, and tune in the channel where we normally watch the morning news.

1. Press **MAIN** and **ENTER** simultaneously for **three seconds**.
2. Press **MACRO**.
3. Press **CABLE**.
4. Press **AUDIO**. (Takes you to the Audio device page.)
5. Press **POWER**. (The button on the top right of the remote.)
6. Press **TV**. (This takes you to the TV device page.)
7. Press **POWER**.

6. Programming Macro Buttons

8. Press MAIN.
9. Press CABLE. (This takes you to the Cable device page.)
10. Press POWER.
11. Press MAIN.
12. Press AUDIO. (We are returning to this page because most receivers and amps take time to "cycle up" and can't receive any commands, such as input, until the device is ready. So we have had the other steps of the macro running while the Audio device is "cycling up".)
13. Press PAUSE three times. (The button on the bottom right of the joystick. We've done this since our particular receiver takes longer than normal to "cycle up", so we have pressed the PAUSE button to insert more time for the receiver to get to the point where it will receive another command. Pressing the PAUSE button three times allows for an extra .6 seconds of wait time. $3 \times .2$ seconds per push = .6 seconds).
14. Press CATV. (Since you are in the Audio device, this selects the "CableTV" input on that device.)
15. Press MAIN.
16. Press CABLE. (Back to the this device to enter the appropriate channel.)
17. Press 1, then 3, then 5. (Then Enter if your cable device requires it.)
18. Press CH UP to save the macro.
19. Press MAIN twice.

6. Programming Macro Buttons

Press the button to test your macro.

It should turn on your Audio device (receiver for example), then your TV, then your Cable box, then change the input to Cable on your receiver, then change the Channel on your Cable box to 135.

Important: You can end your macro on any page you like, including the MAIN page. We deliberately ended our macro on the Cable page before we saved it, since that is where we wanted to be at the end of our macro.

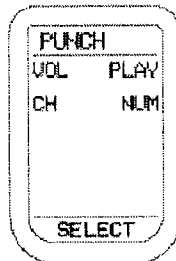
7. Programming Punch Through Functions

You can use the audio receiver volume control in a different mode (For example, Audio receiver Volume Up and Volume Down and Mute in Satellite mode) using the volume punch through feature. You can also have channel punch through (Channel Up, Channel Down) as well as eight VCR (or DVD) transport buttons (Play, Stop, Fast Forward and Rewind, Skip-, Skip+, Pause, Record) operate in another mode such as in Satellite, Cable and Audio modes.

1. Go to the SETUP mode by pressing the **MAIN** and **ENTER** buttons simultaneously for **three seconds**.

7. Programming Punch Through Functions

2. Press the **PUNCH** button next to the LCD screen.



3. Press the **VOL** button on the LCD for Volume Punch Through, the **PLAY** button for Transport Punch Through and the **CH** button for Channel Punch Through.
4. Select the device you wish to punch through to (1st device example - Television or Cable box).
5. Select the device you wish to punch through from (2nd device example - Audio receiver).

You are punching through the controls of the second device to the device that is currently being controlled by any other buttons.

For example, for VOL you are punching through the controls of the Audio receiver's VOL to the TV or Cable box, enabling you to control the Audio receiver's VOL when in the TV or Cable box screen.

6. Punch Through is saved when the second device is pressed.
7. Repeat from Step #2 to program Punch Through for other devices.
8. Once you complete the programming and wish to exit from this mode, press the **MAIN** button. Exit from the SETUP mode by pressing the **MAIN** button once again.

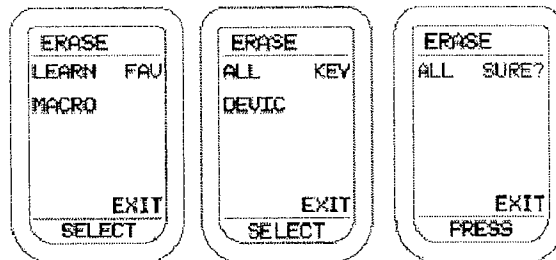
7. Programming Punch Through Functions

Tip) When using Punch Through, think of the first Device you select as the Device that now controls the functions, and think of the second Device as the device that you want to control those functions. You are taking the controls of the second device and "punching them through" to the first device.

8. Erasing Existing Programming

A. Erasing Learned Buttons

1. Go to the SETUP mode by pressing both the **MAIN** and **ENTER** buttons simultaneously for **three seconds**.
2. Press the **ERASE** button next to the LCD screen.
3. Press the **LEARN** button.



4. If you wish to erase all the learned functions in the MX-700™, press the **ALL** button and then press the **SURE?** button at the next LCD screen.
5. If you wish to erase all the buttons in a single device or an individual button in the device, press the **DEVICE** button.
6. Press the device button (TV, VCR, Audio, etc.) to erase the button(s) from the device.

8. Erasing Existing Programming

*Tip) Press the **PAGE** button and then press the **DEVICE** button (TV, VCR, Audio, etc.) to erase the learned function in the device button itself. Programming this learned function to the Device button was explained in "Programming the Twenty Device Buttons" earlier.*

7. Press the **ALL** button if you wish to erase all the learned buttons in the device and press the **SURE?** button at the next LCD screen.
8. Press a single button if you wish to erase individual buttons one at a time. This will show all the functions in the device. Press the button you wish to erase.
9. Repeat from Step #5 to erase any other devices or learned buttons you require.
10. Press the **MAIN** button to exit to main Erase mode. Press the **MAIN** button once again to exit the SETUP mode.

B. Erasing Favorite Channel Buttons

1. Go to the SETUP mode by pressing both the **MAIN** and **ENTER** buttons simultaneously for **three seconds**.
2. Press the **ERASE** button next to the LCD screen.
3. Press the **FAV** button.

