

APPENDIX I  
: USER'S MANUAL

# Operating Your System With the MX-980



**COMPLETE  
CONTROL**™

 **Universal Remote Control®**

*This remote control was  
Custom Programmed for you by:*

.....  
*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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## Congratulations!

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You've purchased a unique synthesis of hardware and software engineering, the Complete Control MX-980. The MX-980 achieves a magnificent combination of power and flexibility, simplifying and automating operation of even the most complex system.

### Automatic Backlighting

The integral motion sensor detects any movement of the remote control and automatically backlights the screen. You do not have to press any button to display the screen. Any movement of the MX-980 renews the backlighting.

### Integrated Sound Signaling

The MX-980 incorporates a small speaker for beeps. Anytime you press a button, the MX-980 signals that it has understood your command with a beep sound.

## Using the Color LCD and the Screen Buttons

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The MX-980 is equipped with a bright easy to read LCD screen which your installer will customize for your system. The screen labels the eight hard buttons (easy to find by feel) positioned on either side of the screen. Normally, the screen is "split" so each button is allocated to a specific function (as shown on the right). This provides you with the ability to see and operate up to 8 functions on a single screen.

However, your installer can combine two buttons to create a single row that can be accessed by either adjacent button. This simplifies operation for the entire family and enables convenient operation for both left and right-handed users for important functions you use frequently.



## Optional RF “No Rules” Operation

In combination with an MSC-400 Master System Controller, or an RF Base Station, the MX-980 can control your system without being in line-of-sight of the equipment.

The MSC-400 enhances the capabilities of the MX-980 by storing and issuing Smart Macros to your main system components. It is triggered by RF Smart Macro commands via RF (radio frequency). In addition, your MX-980 can control components in secondary rooms and systems via MRF-350 or MRF-260 RF base stations

1. The MX-980 sends radio waves in every direction, so you don't have to point the remote anymore!



2. The RFX-250 RF Sensor can be freely positioned for optimal reception.



3. The MSC-400 can control IR, RS232 and Relay controlled devices.



4. Self-adhesive “Flashers” affix to the Infrared sensors on the front panels of your components. Uniquely, all Complete Control base stations can also connect to components with rear panel IR Inputs via adjustable IR Line Outputs. The MSC-400 offers RS-232 control via rear panel connections as well.

## Connecting the Battery Pack

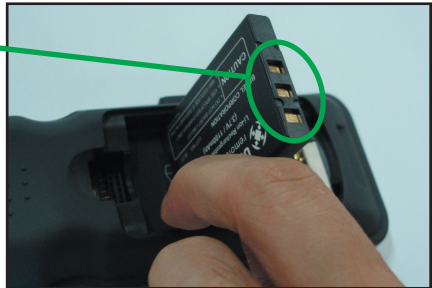
Open the battery cover by depressing the release and pulling back the cover on the back of the control. Remove the cover.



Observe the three contacts for the battery at the bottom left of the battery compartment.



Observe the contacts on the battery



First, angle the battery so that the contacts connect to the contacts inside the battery compartment. Then let the base of the battery down. Apply gentle pressure against the spring action of the contacts to fit the battery into place.



Now, replace the battery cover.

## Using the Charging Base

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Plug the 5V DC adapter into a power outlet and into the back of the charging base.

Gently place the MX-980 into the cradle of the charging base.

The Status light should immediately light. Red indicates that it is charging. Blue shows that it is fully charged. There is no harm in leaving the MX-980 on its charging base whenever it is not in use. The Lithium Ion battery cannot be overcharged.



The MX-980 on it's Charger.

## Programming the MX-980

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The MX-980 is programmed via a Windows PC equipped with a USB port (programming cable included), using our proprietary software, MX-980 Editor. You could download this software from our website:

[www.universalremote.com](http://www.universalremote.com)

However, although some enthusiasts have learned to use the setup software, to fully automate an audio/video system the user must have a detailed knowledge of how the system is connected and operated. We highly recommend that you use a professional audio/video installer to program your MX-980 so you will be able to enjoy all the benefits of the MX-980 as well as one touch operation via macros.



## Selecting a New “Activity”

The MX-980’s WATCH and LISTEN buttons display the activities you can control with your MX-980. When you want to watch something else (a DVD movie, a videotape or an HDTV broadcast), simply press the WATCH button and select the new activity. When you want to listen to the radio or to a CD, touch the LISTEN button and select what you would like to listen to.

Your installer will have programmed the button you pressed to totally configure your system to watch or listen to whatever you selected. Now, the screen will change, and all of the LCD buttons will be reconfigured to give you full control of your system while watching or listening to your selection!

When you press the LISTEN button, you can see the most frequently used activities you have for listening in your system.



Press either of the PAGE buttons to see any other available choices. You may have only one page or your system may have several pages of “Listening Activities”.

When you press the WATCH button, you can see the most frequently used activities you have for watching the sources in your system.



Press either of the PAGE buttons to see any other available choices. You may have only one page or your system may have several pages of “Watching Activities”.

## Using the MX-980 to Control an “Activity”

Once you’ve selected a new activity, the MX-980 displays the title of the activity at the top of the screen. Below the title, the LCD displays the customized names of any special features you need for the activity. All the hard buttons of the MX-980 have now changed to functions optimized for this activity.

The Title displays the activity you have selected.

Press either of the PAGE buttons to see any other available choices. You may have only one page or your system may have several pages of special features for this activity.

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

The transport buttons (Play, Stop, Skip-, Skip+ and Pause) operate when the selected activity requires them.



The LCD button labels describe special features for this activity. When there are two functions, you press the corresponding button, when a single function is listed, you can press either the left or the right side button.

The Channel buttons operate when the selected activity requires them.

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

The number buttons operate when the selected activity requires them.

## Displaying the Setup Screens

You can adjust the settings of the MX-980 whenever you like by pressing and holding both the WATCH and the ENTER button at the same time for three seconds. If you do not press any button on the SETUP screen within 30 seconds, the MX-980 will time out and automatically return to normal operation. You can return to normal operation before that by pressing either the WATCH or the LISTEN button.

At the same time, press and hold both the WATCH button and the ENTER button. When the SETUP screen appears, you can release the two buttons.

To adjust one of the settings, press either the left or the right hand button.

