

# McIntosh

## MODEL RCT-1 REMOTE CONTROL TRANSLATOR

The McIntosh Model RCT-1 Remote Control Translator is a learning device. This allows you to operate both audio and video functions of other brand remote controlled accessories using a McIntosh hand held remote controller transmitting to a McIntosh IR sensor. Not all accessory programmed functions can be controlled by a McIntosh WK-1 keypad.

The RCT-1 is designed to operate with a McIntosh C39, MX130 and the CR10. It requires only a single connection from the SUM or UNSWITCHED Data ports on the above models to the RCT-1 DATA input. Each of the accessory components that are to be controlled will require a McIntosh R826 IR emitter to be placed in front of their IR sensor. The emitter is then connected to the appropriate data port on the RCT-1.

The RCT-1 has memory for 8 different accessories. These are labeled SAT (Satellite), TV, LV (Laser Vision), VCR1, VCR2, CD2, TAPE1 and PH/Aux (Phono\Auxiliary). These inputs correspond to those available for all three of the listed McIntosh models.

Up to 20 separate operating functions may be programmed for each input. The functions are numbers 0 through 9, SEEK UP, SEEK DOWN, REVIEW, ENTER, PLAY, NEXT, BACK, STOP, ACC (Accessory) OFF and ACC ON.

A total of 160 codes can be stored in the RCT-1 Random Access Memory. A lithium backup cell provides up to one year memory protection in case the RCT-1 power cord is unplugged.

Programming the RCT-1 is quite easy, and is accomplished with a McIntosh hand held controller and the other brand controller transmitting directly to the sensor on the RCT-1.

### HOW TO CONNECT THE RCT-1

1. Connect the RCT-1 AC power cord to an AC receptacle that is always ON, to avoid unnecessary drain on the backup memory Lithium battery.

2. Connect a cable from the RCT-1 DATA port to the appropriate data output on the McIntosh Control System being used.

- \*\*\* CR10: Use the UNSWITCHED DATA OUT Coax connector.

- \*\*\* C39/MX130: Use the SUM DATA OUTPUT jack.

3. A McIntosh R826 IR emitter must be placed near and aimed toward the receiving IR sensor of every accessory component programmed with the RCT-1.

The cable must be long enough to reach from the accessory component to the corresponding data port on the RCT-1.

## HOW TO PROGRAM THE RCT-1

All programming functions of the RCT-1 require only the RCT-1, a McIntosh Hand Held Remote Controller and the remote controllers for the accessory equipment being used. An RCT-1 can be programmed at another location and then installed in the system for immediate use.

### PROGRAMMING SETUP

1. Connect the RCT-1 AC power cord to an AC outlet. .
2. Place the McIntosh Hand Held Remote and the Accessory remote, side by side on a flat surface, 6 to 8 inches from, and aiming at the RCT-1 sensor window. Do not move either controller during the actual programming process.
3. Press the LEARN button on the RCT-1. The LEARN LED will start to flash on and off.
4. Press the button on the McIntosh Controller for the Input you desire. The available inputs are SAT (Satellite), TV, LV (Laser Disc), VCR 1, VCR 2, CD 2, Tape 1 and PH/AUX.
  - \*\*\* The corresponding Input LED on the RCT-1 will light.
  - \*\*\* The LEARN LED will continue to flash.
5. Press the pushbutton on the McIntosh Controller for the desired function you wish to program.
  - \*\*\* The LEARN LED stops flashing and stays on continuously.

***Be careful to press controller buttons only once. If the button is pushed more than once, the proper code will not be stored. If this happens, the operation must be cleared, and repeated properly.***

6. Press the button on the Accessory Remote Controller for the function that is to be performed by the McIntosh Controller. Do not move the controller during this process and push the button only once.
  - \*\*\* If programming is successful, both the LEARN LED and the STORE LED will flash ON and OFF for a few seconds.
  - \*\*\* The STORE LED will then turn off.
  
  - \*\*\* If the programming is not successful and the code cannot be learned by the RCT-1, both the LEARN LED and the ERROR LED will flash for a few seconds. The ERROR LED then turns off.

7. Repeat Steps 4 and 5 for all the functions you wish to control for the selected unit and input. As many as 20 functions can be programmed.

8. To program for different accessory components and inputs, repeat steps 3, 4 and 5.

## HOW TO CLEAR A SPECIFIC PROGRAMMED CODE

1. Press the LEARN button.  
\*\*\* The LEARN LED starts to flash.
2. Press the McIntosh Controller button to select the input for the function you wish to clear.  
(Described in Step 2 above).  
\*\*\* The LEARN LED continues to flash.  
\*\*\* The selected Input LED turns on.
3. Press the button on the McIntosh controller for the function you wish to clear.  
\*\*\* The LEARN LED stops flashing and stays ON.
4. Press the LEARN button.  
\*\*\* The LEARN LED, STORE LED and ERROR LED will all flash for a few seconds.  
\*\*\* The STORE LED and the ERROR LED will turn off and the LEARN LED continues to flash.
5. Repeat steps 2, 3 and 4 for any other function programming you wish to clear or erase.
6. Press the LEARN button again to cancel the clear or erase mode.

## HOW TO ERASE OR CLEAR ALL RCT-1 PROGRAMMED FUNCTIONS

1. Remove the RCT-1 AC power cord from the AC outlet.
2. Press and hold the LEARN button. While holding the LEARN button, replace the RCT-1 AC power cord back into the live AC outlet, and then release the LEARN button.

***This operation must be performed whenever the lithium backup memory battery is replaced. All function programming must then be done again***

## PROGRAMMING EXAMPLE

Here is an example of how to program a PLAY command for a VCR connected to the VCR1 input on a Control Center..

1. Place the McIntosh Remote Controller and the VCR Remote Controller side by side, 6 to 8 inches from, and aimed at the RCT-1 sensor window.
2. Press the LEARN button on the RCT-1. The LEARN LED will start flashing.

3. Press the VCR1 button on the McIntosh Controller. The VCR1 input LED will light on the RCT-1.
4. Press the PLAY button on the McIntosh controller. The LEARN LED will stop flashing and stay on continuously.
5. Press the PLAY button on the VCR controller. The STORE LED will flash for approximately 2 seconds to indicate the PLAY command has been memorized. The LEARN LED will start flashing again.
6. Repeat steps 4 and 5 to program up to 20 operating commands for the VCR.
7. When the VCR1 programming is finished, press the LEARN button again to cancel the programming mode. The LEARN LED will stop flashing and turn off. The RCT-1 input LED will always turn on for the input you select.
8. If the other brand code cannot be learned by the RCT-1, the ERROR LED will flash for approximately 2 seconds to indicate that programming did not occur.

**SPECIAL NOTE:**

**THE RCT-1 CAN LEARN ONLY SINGLE-SHOT (SHORT) INFRARED COMMANDS. CONTINUOUS COMMANDS, SUCH AS FOR A VOLUME CONTROL, ARE NOT COMPATIBLE WITH THE RCT-1.**

**ACCESSORY COMPONENTS WITH ULTRASONIC, VARIABLE FREQUENCY OR MULTIPLE-COMMAND REMOTE CONTROLS ARE NOT COMPATIBLE WITH THE RCT-1.**

*McIntosh engineering has made every effort to program the RCT-1 software so most major brands of remote control products can be accommodated. If you have questions on any particular product, please contact the McIntosh Engineering department for assistance.*

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