



540988-001-a

Motorola MRCU180 User Guide

Installing Batteries

The remote control requires two (2) AAA size (1.5V) batteries for a proper function.

Tip: replace the batteries every 9 months for optimum performance.

1. On the back of the remote control, press the battery cover tab and remove the battery cover.
2. Insert two (2) AAA-size batteries, matching the "+" and "-" symbols inside the battery compartment.
3. Close the battery compartment with the battery cover. Test the remote control by pressing the STB key. The LED above the STB key should light up during press to indicate correct power supply i.e. that batteries are inserted properly.

Normal Operation

The remote control will only control the device which is selected by the appropriate mode key (TV, STB, AUX). To use the remote control for your Motorola VIP unit, press the STB mode key.

The LED above the mode key for the selected device will light up each time a valid key is pressed. Please see the functional description to the right for each key.

Programming the remote to control TV set and other devices

To use the remote control for your TV set and other devices, you need to program the TV and AUX mode keys. There are 3 different ways to program the remote control. Please find the programming ways in the sections A, B and C below. If you have an integrated or combination unit, such as a TV/DVD unit, each part of the unit will normally be controlled separately by programming the mode key TV and AUX respectively.

If your device is not supported in the Manufacturer Code List (see page 2), you will need to program the remote control according to section B "Using the Search Function" or C "Using the Learning Function".

A. Manual Programming

Use the following steps to program the TV or AUX mode keys with the 3-digit manufacturer code:

- A1. Power on the device you want to control.
- A2. Locate the 3-digit manufacturer code for the device you want to control from the Manufacturer Code List in this User Guide (see page 2).
- A3. Press and hold simultaneously the appropriate mode key (TV or AUX) and the SET key for 3 seconds. The LED above the selected mode key will turn on to indicate that the remote control is in programming mode.
- A4. Select and enter the 3-digit manufacturer code by pressing the numerical keys (0-9). The LED will flash once and remain turned on to indicate correct entry.
- A5. To save the code, press the appropriate mode key and the LED above the mode key will flash 3 times and turn off, indicating a successful programming. The remote control will return to normal operation.
- A6. Point the remote control at the selected device and press the standby key once. The device should turn off. If it doesn't, repeat steps A2 through A5 trying each code for your brand until you find the correct code.
- A7. Repeat steps A1 through A6 to program another device. Now when your remote control is programmed, you can press the appropriate mode key on the remote control to enable control of the selected device. To use the remote control for your Motorola VIP unit, press the STB mode key.

Note:

- When an invalid key or code is

entered, the LED will give a long flash and turn off to indicate that you have entered the set up code incorrectly. The remote control will return to normal operation.

- Should the remote control timeout (after 20 seconds) before completing the procedure, you will need to repeat the procedure from step A3 or continue with the normal operation.

B. Using the Search Function

Use the following steps to program the TV or AUX mode keys using the search function on the remote control:

- B1. Power on the device you want to control.
- B2. Press and hold simultaneously the appropriate mode key (TV or AUX) and the SET key for 3 seconds. The LED above the selected mode key will turn on to indicate that the remote control is in programming mode.
- B3. To initiate search use the navigation keys. Press arrow up or down key to initiate the scan process searching for a TV or AUX device. Press arrow left or right key to initiate the scan process searching for an AUX device.
- B4. Keep on pressing the respective navigation key until the selected device turns off.
- B5. To save the code, press the appropriate mode key and the LED above the mode key will flash 3 times and turn off, indicating a successful programming. The remote control will return to normal operation.
- B6. Repeat steps B1 through B5 to program another device. Now when your remote control is programmed, you can press the appropriate mode key on the remote control to enable control of the selected device. To use the remote control for your Motorola VIP unit, press the STB mode key.

Note:

- If an invalid key is pressed, the LED will give a long flash and turn off to indicate that you are cancelling the search function. The remote control will return to normal operation.

- If the first pressed key is a numerical key the remote control expects a predefined 3-digit manufacturer code (see section A).

- If a valid 3-digit manufacturer code is not found in the remote control's internal table, the LED will give a long flash and turn off to indicate that the remote control is unable to find the correct code. The remote control will return to normal operation.

- Should the remote control time

out (after 20 seconds) before completing the procedure, you will need to repeat the procedure from step B2 or continue with the normal operation.

- If you really need to start over, just wait 20 seconds and the remote control will time out the programming mode. The remote control will return to normal operation.

C. Using the Learning Function

This function can be used to program TV or AUX mode keys on this remote control, called RC1, by using a different device remote control, called RC2:

- C1. Place both remote controls head to head with 3-5 cm distance.
- C2. Press and hold simultaneously the appropriate mode key (TV or AUX) and the SET key on RC1 for 3 seconds. The LED above the selected mode key will turn on to indicate that the remote control is in programming mode.
- C3. Enter the programming code "000"; the LED will flash once and remain activated.

Note:

- If an invalid key is pressed, the LED will give a long flash and turn off to indicate incorrect entry. The remote control will return to normal operation.

Frequency learning

- C4. Press any key on RC2. The LED on RC1 flashes once and will remain lit. The IR frequency of RC2 is now registered and temporarily stored in RC1.

Specific key learning

- C5. Select and press the key you wish to learn on RC1. The LED on RC1 will flash once and remain lit to indicate ready for learning.
- C6. Select and press the key you wish to "copy" on RC2. The LED on RC1 will flash once and turn off to indicate a successful learning.
- C7. Press the same key on RC2 once more to validate the learning. The LED on RC1 will flash once and remain lit to indicate a successful learning.
- C8. Repeat the sequence C5 to C7 to program other keys until all keys are learned.
- C9. To save the learning, press the appropriate mode key and the LED above the mode key will flash 3 times and turn off, indicating a successful programming. The remote control will return to normal operation.

Note:

- Should the remote control timeout (after 20 seconds) before completing the procedure, you

will need to repeat the procedure from step C2 or continue with the normal operation.

C10. Repeat steps C1 through C9 to program another device. Now when your remote control is programmed, you can press the appropriate mode key on the remote control to enable control of the selected device. To use the remote control for your Motorola VIP unit, press the STB mode key.

D. Resetting the remote control to the Factory Default Settings

D1. Press and hold simultaneously the STB and SET key for 3 seconds. The LED above the STB key will turn on to indicate that the remote control is in programming mode.

D2. Enter the programming code "901" by pressing the appropriate numerical keys and the LED will flash 3 times and remain lit to indicate a successful reset initiation.

D3. To save the reset, press the STB key and the LED above the STB key will flash 3 times and turn off, indicating a successful programming. The remote control will return to normal operation.

The remote control is now reset to factory default settings. If you want to control a TV set or another device you need to reprogram the mode keys TV and AUX.

Note:

If an invalid key is pressed, the LED will give a long flash and turn off. The remote control will return to normal operation.

- Should the remote control timeout (after 20 seconds) before completing the procedure, you will need to repeat the procedure from step D1 or continue with the normal operation.



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www.motorola.com/recycling

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The remote control keys controlling the IP set-top box

LED
The lights indicate which device is currently controlled by the remote control, and the respective LED will light up each time a key is pressed.

Mode (TV, STB, AUX)
To select the device to control with the remote control unit.

AV
To change TV input source.
Note: After programming this key always controls the TV set input, also when the remote is in STB or AUX/device mode.

Mute
To disable or enable the sound.

Volume
To adjust the sound level.

Navigation keys
Use the 4 arrow keys \leftarrow \rightarrow \uparrow \downarrow to move within the menus and portal pages. OK selects the marked option.

Back
Go back to the previous selection or page.

Info
To display information of the current programme.

Stop
To stop loading the current web or portal page.

WWW
To enter Internet mode.

Color keys
To select color-coded shortcuts in portal or teletext pages.

Music
Shortcut to music application.

DVR
Shortcut to Digital Video Recording page.

Portal
To open the portal main page.

Standby
To set the device to standby mode. To switch the device on again, press standby once again.

Menu
To display or exit from the menu.

Set
To program the remote control with the functionality of a new device. You may program any key to control a different device than initially indicated on it.

Numerical keys (0-9)
For direct access to programmes. For a 2 digit programme number, the 2nd digit must be entered before the dash disappears. The numerical keys can also be used to input text (SMS-type keypad).

Electronic Programme Guide
To display the programme list of current and future programmes for different channels.

Programme selection
Use \leftarrow \rightarrow to access the next or previous channel (in TV mode).

Scroll lock
To toggle between navigation (move between available options) and scroll (move a page).

TV
To watch TV.

Text
To open teletext pages.

Keyboard
To open the virtual keyboard on screen, and enter text with the navigation keys.

Video keys
To control Video on Demand (VoD) movies or recorded sequences.

- $\text{P} \parallel$ play/pause
- \square stop
- $\ll \gg$ rewind/fast forward
- $\ll \gg$ previous/next chapter
- \bullet record

Games
Shortcut to games application.

Radio
Shortcut to radio application.

