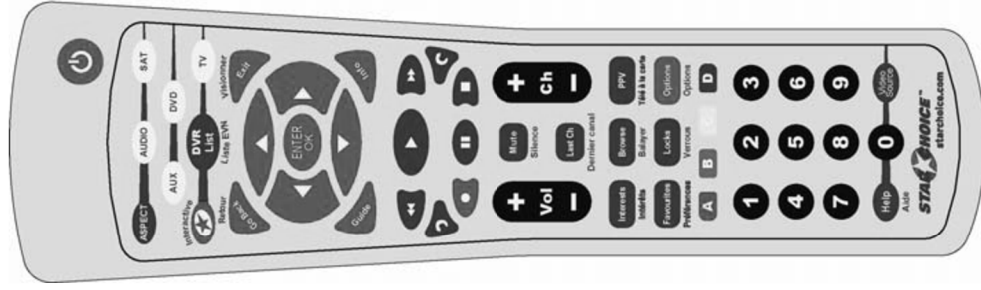




Models IRC 550* / URC 550* Universal Remote Control



Programming and Operating Instructions

To have a clearer idea of the features and capabilities of your remote control, take a moment to read these instructions. Save for future reference.

1. Introduction

Your IRC550 and URC550 universal remote controls are simple to program, easy to use, and can operate up to five (5) devices, which include:

SAT	Satellite receivers
TV	Televisions
DVD	DVD
AUDIO	Audio receivers, amplifiers, CD players
AUX	VCRs, 2 nd TV, 2 nd DVD, 2 nd Audio device

* Model IRC550 transmits to each of the above electronic devices using an infrared (IR) signal. Model URC550 transmits both infrared (IR) and radio-frequency (RF) signals to your DSR receiver, but IR-only signals to all your other devices. The RF capability of the URC550 permits it to remotely operate a DSR receiver that's enclosed in a home-entertainment unit or located where an unobstructed line-of-sight between the remote and DSR is not possible. Model URC550 is supplied is with the premium-featured HD / DVR DSR500 series receivers.

The remote is ready to use with your Star Choice satellite receiver, but before you can use your remote control to operate the other devices listed above, it must first be programmed (set-up).

2. Before Getting Started

Some of the special features and buttons on your remote control are as follows:

Point and Press® Programming

Lets you program your TV, VCR, DVD, AUDIO devices without codes. For more information, see Sections 5 and 14.

Memory Guard®

Eliminates reprogramming after battery changes.

Time Out

If the same button is pressed and held for 30-

seconds, your remote control will turn itself off automatically. This extends the battery life should the remote become lodged under or between heavy objects, for example sofa cushions.

3. Installing, Replacing Batteries

Install two (2) new "AA" batteries as indicated by the diagram in the battery compartment.

When the batteries become low and need to be replaced, the [SAT] button will blink several times and the remote control will not transmit the function for the button that was pressed.

When this happens, simply replace the existing batteries with two (2) new "AA" batteries to restore normal operation to the remote control.

4. If You Have More Than One Satellite Receiver

Your remote control is set at the factory to control all of the functions on your Motorola satellite receiver. However, if you have more than one satellite receiver, you may want to prevent the remote control in one room from affecting the satellite receiver in another room. To prevent this kind of interference, you must "pair" each remote control with each receiver by assigning a new "address" to each combination. This "address" assignment is made using your remote control as follows:

1. Press the [SAT] button to select the remote control's SAT mode.
2. Press the [Options] button to display the Options screen on your TV.
3. On the Options screen, use the [▲], [▼], [◀], [▶] buttons to highlight the Change System Settings / System Setup option, then press [Enter].
4. On the Systems Setting / Setup screen, use the [▲], [▼], [◀], [▶] buttons to highlight the Change Installation Settings / System Settings (applies to DSR 5xx, 207, 317 receivers) option, then press [ENTER].

5. On the System Settings (applies to DSR 5xx, 207, 317 receivers) screen, use the [▲], [▼], [►], [◄], [►] buttons to highlight the Installation Settings option, then press [ENTER]

6. On the Installation Settings screen, use the [▲], [▼], [►], [◄], [►] buttons to highlight the Remote Control Address option, then press [ENTER]

7. **Once you are on the Remote Control Address screen, disregard the instructions on the screen and follow these steps using the remote control keypad....**

a. In this order, press and hold the [MUTE] button, then the [ENTER] button. Hold both buttons down together until the mode buttons illuminate in rotation (i.e. SAT → TV → DVD → AUDIO → AUX → SAT...). Release both buttons as soon as the mode buttons illuminate.

b. Enter any one of the following addresses: [000], [001], [002], [003], [004], [005], [006], [007]. Entry of the 3-digit of each address stores the address automatically and causes the mode buttons to blink and go out.

c. Press the [ENTER] button to set the same address in your Satellite Receiver. The new address will be displayed in the upper right corner of your TV screen.

d. Exit from the Remote Control Address screen.

5. Programming Your TV, DVD, AUDIO Devices

Code-Entry Programming

1. Turn on all the electronic devices (TV, DVD, AUDIO) you want to program the remote to operate.

Using the remote control keypad....

2. In this order, press and hold the [ENTER] button, then the [MUTE] button. Hold both buttons down together until the mode buttons illuminate in

rotation (i.e. SAT → TV → DVD → AUDIO → AUX → SAT...). Release both buttons as soon as the mode buttons illuminate.

3. a. To program your TV, locate the 3-digit code for your brand in the TV Setup Code list and enter it on the keypad of the remote control. Entry of the correct code will cause your TV to turn off. If multiple codes are listed for your brand, you may have to enter several different codes until your TV turns off.

b. As soon as you have entered a 3-digit code that turns your TV off, press [MUTE].

1. If the TV turns back on, press [ENTER] to lock in the code. The mode buttons will blink 3-times and go out.

Or

2. If the TV does not turn back on, enter a different 3-digit setup code until your TV turns back on. Then press [ENTER] to lock in the code. The mode buttons will blink 3-times and go out.

4. To program your DVD, refer to the DVD Setup Code lists and repeat steps 2 and 3 above.

5. To program your AUDIO devices, refer to the AUDIO Setup Code list and repeat steps 2 and 3 above.

Point and Press® Programming

This method allows you to program your remote control without codes using the [▲] or [▼] buttons ("Power" function during programming). For more information on this method as well as other buttons you can program your remote with, see Section 14.

1. Turn on all the electronic devices (TV, DVD, AUDIO) you want to program the remote to operate.

Using the remote control keypad....

2. In this order, press and hold the [ENTER] button, then the [MUTE] button. Hold both buttons down together until the mode buttons illuminate in

rotation (i.e. SAT → TV → DVD → AUDIO → AUX → SAT...). Release both buttons as soon as the mode buttons illuminate.

3. Press [▲] one step at a time until one of your electronic devices turns off. Each time you press [▲] button, the mode buttons will illuminate in rotation. As soon as one device turns off, stop pressing the [▲] button.

4. Press [MUTE]. If the device that turned off...

a. Turns back on, press [ENTER] to lock in this code. The mode buttons will blink 3-times and go out.

Or

b. Does not turn back on, press [▼] one step at a time until that device turns back on. Each time you press the [▼] button, the mode buttons will illuminate once in reverse rotation (AUX → AUDIO → DVD → TV → SAT → AUX).

Once you have found a code that turns the device on / off, press [ENTER] to lock in this code. The mode buttons will blink 3-times and go out.

5. Repeat steps 2 to 4 above for each of the remaining electronic devices you wish to program the remote to operate.

Note: Given the size of the code libraries in your remote control, it will take several minutes to cycle through all the codes when using the Point and Press Programming method.

6. Programming Your Auxiliary Device – VCR, 2nd TV, 2nd DVD, 2nd Audio Device

1. Turn on the electronic device (VCR, 2nd TV, 2nd DVD, 2nd AUDIO) you want to program as an AUXILIARY device.

Using the remote control keypad....

2. In this order, press and hold the [ENTER] button, then the [MUTE] button. Hold both buttons down together until the mode buttons illuminate in rotation (i.e. SAT → TV → DVD → AUDIO → AUX → SAT...). Release both buttons as soon as the mode buttons illuminate.

3. Press [ENTER] again.

4. Follow the Code Entry Programming (paragraph 3) or Point and Press Programming® (paragraphs 3 & 4) areas of Section 5 to program your AUX device.

7. Programming Your TV / VCR Combination

1. Turn on your TV / VCR combination device and set it to its TV mode.

2. Program your remote to operate the TV functions. Using the Code Entry Programming method described in Section 5, find a TV Setup Code that operates the TV functions (Power, Vol ▲/▼, Mute, Ch ▲/▼, 0-9) of your TV / VCR unit.

3. Set your combination device to its VCR mode and install a VHS tape.

4. Program your remote to operate the VCR functions. Using the Code Entry Programming method described in Section 5, enter, lock and test each 3-digit VCR Setup Code for your brand until a code is found that operates the transport functions (PLAY, STOP, REW, FWD, PAUSE, REC) of your TV / VCR unit.

Before you can test for the correct VCR setup code, you must first press the [VCR] button first to put the remote in its VCR mode.

8. Programming Your TV / DVD or TV / VCR / DVD Combination

1. Turn on your TV / DVD combination device and set it to its TV mode.

2. Program your remote to operate the TV functions. Using the Code Entry Programming method

described in Section 5, find a TV Setup Code that operates the TV functions (Power, Vol ▲/▼, Mute, Ch ▲/▼, 0-9) of your TV / DVD unit.

3. Set your combination device to its DVD mode and install a DVD.

4. Program your remote to operate the DVD functions. Using the Code Entry Programming method described in Section 5, enter, lock and test each 3-digit DVD Setup Code for your brand until a code is found that operates the transport functions (PLAY, STOP, REW, FWD, PAUSE, REC) of your TV / DVD unit.

Before you can test for the correct DVD setup code, you must first press the [DVD] button to put the remote in its DVD mode.

5. Last, if you have a TV / VCR / DVD combination unit, you need to program your remote to operate the VCR functions.

6. Set your combination device to its VCR mode and install a VHS tape.

7. Using the Code Entry Programming method described in Section 5, enter, lock and test each 3-digit VCR Setup Code for your brand until a code is found that operates the VCR transport functions (PLAY, STOP, REW, FWD, PAUSE, REC) of your TV / DVD / VCR unit.

Before you can test for the correct VCR setup code, you must first press the [VCR] button first to put the remote in its VCR mode.

9. Code Number Readback

To identify the 3-digit TV setup codes stored under the Point and Press® programming method, follow these steps using the remote control keypad...

1. In this order, press and hold the [ENTER] button, then the [TV] button. Hold both buttons down together until the [TV] button illuminates. Release both buttons as soon as the [TV] button illuminates.

2. Press [INFO]. The mode buttons will “blink back” the code numbers, with a 1-second interval between each digit of the code. Please note that for the numeric “0”, the mode buttons will illuminate blink in fast-sequence.

Example: For code “130”, the remote will blink 1 time, then 3 times, then in a fast-sequence for the 0.

To identify the 3-digit SAT code, press [ENTER], then [SAT] as defined in step 1 above, then press [INFO].

To identify the 3-digit DVD code, press [ENTER], then [DVD] as defined in step 1 above, then press [INFO].

To identify the 3-digit AUDIO code, press [ENTER], then [AUDIO] as defined in step 1 above, then press [INFO].

To identify the 3-digit AUX code, press [ENTER], then [AUX] as defined in step 1 above, then press [INFO].

10. Master Power

Your remote has a Master Power feature that can be programmed so that a single press of the [POWER] button (in remote's SAT mode) can turn all of your electronic devices on / off together.

To program the Master Power feature, follow these steps using the remote control keypad:

1. In this order, press and hold the [ENTER] button, then the [POWER] button. Hold both buttons down together until the [SAT] button illuminates. Release both buttons as soon as the [SAT] button illuminates.

2. Press [1]. The [SAT] button will blink 3-times and go out.

To use the Master Power feature, follow these steps:

1. Press [SAT] to select the remote's SAT mode.

2. Press [POWER] – the remote will turn on / off your SAT, TV, DVD, AUDIO an AUX devices with one button press.

To reset the Master Power feature to its default setting, follow these steps using the remote control keypad:

1. In this order, press and hold the [ENTER] button, then the [POWER] button. Hold both buttons down together until the [SAT] button illuminates. Release both buttons as soon as the [SAT] button illuminates.
2. Press [0]. The [SAT] button will blink 3-times and go out.

11. Programming Volume Control

When you first program your remote, volume / mute are controlled through your TV (except AUDIO which defaults to the AUDIO device). The volume control options in each mode of the remote are:

Mode	Volume Control Default	Volume Control Options
SAT	TV (#1)	SAT AUDIO AUX (2 nd TV / Rec / Amp)
TV	TV (# 1)	SAT AUDIO AUX (2 nd TV / Rec / Amp)
DVD	TV (# 1)	SAT AUDIO AUX (2 nd TV / Rec / Amp)
AUDIO - Rec / Amp	Rec /Amp	SAT TV AUX (2 nd Rec / Amp)
AUDIO - CD	TV (# 1)	SAT TV AUX (2 nd Rec / Amp)
AUX – VCR	TV (# 1)	SAT AUDIO (Rec / Amp)
AUX - TV # 2	TV (# 2)	SAT

Mode	Volume Control Default	Volume Control Options
AUX - DVD # 2	TV (# 1)	AUDIO (Rec / Amp) SAT, AUDIO (Rec / Amp)
AUX - Rec # 2	Rec / Amp # 2	SAT, TV
AUX - CD #2	CD # 2	SAT , TV

To control volume / mute through your Satellite receiver in the remote's Satellite mode...

1. In this order, press and hold the [ENTER] button, then the [SAT] button. Hold both buttons down together until the [SAT] button illuminates. Release both buttons as soon as the [SAT] button illuminates.
2. Press [VOL ▲], then [SAT] for Satellite volume. The [SAT] button will blink 3-times and go out.

To return volume control to your TV, repeat step 1, then press [VOL ▲], then [TV] in step 2.

To return volume control to your TV, repeat step 1, then press [VOL ▲], then [TV] in step 2.

12. Operating Your Satellite Receiver

To operate your Satellite receiver, press [SAT] to select the Satellite mode. Then refer to **Section 15** for the operation of your Satellite receiver.

13. Operating Your Electronic Devices

To operate your other electronic devices, press the mode button for the device you wish to operate, then refer to the table below for the available buttons / functions in each mode:

Button Label	TV Mode	DVD Mode	AUDIO Mode	AUX Mode (VCR)
Power	Power	Power	Power	Power
Vol ▼ / ▲	Vol ▼ / ▲	Vol ▼ / ▲ (TV)	Vol ▼ / ▲	Vol ▼ / ▲ (TV)

Button Label	TV Mode	DVD Mode	AUDIO Mode	AUX Mode (VCR)
Mute	Mute	Mute (TV)	Mute	Mute (TV)
Ch ▼ / ▲	Ch ▼ / ▲		-	Ch ▼ / ▲
0 – 9	0 - 9		-	0 - 9
Last	Last Ch		-	-
Enter / OK	Enter (in Menu)		-	-
Video Source	TV Input		-	TV / VCR
Options	Menu		-	-
▲, ▼, ◀, ▶, ▲, ▼, ◀, ▶	▲, ▼, ◀, ▶		-	-
Guide	Enter (after Ch entry)		-	-
[▶]	-	Play	Play – CD	Play
[■]	-	Stop	Stop - CD	Stop
[▶▶]	-	FF	FF – CD	FF
[◀◀]	-	Rew	Rew – CD	Rew
[]	-	Pause	Pause- CD	Pause
[●]	-	Rec	Rec - CD	Rec

14. Additional Programming Information

1. The mode buttons will illuminate in rotation (i.e. SAT → TV → DVD → AUDIO → AUX → SAT...) while the remote is in a programming mode. In the absence of a keypress entry, the mode buttons will stop illuminating after 30 seconds and the remote will exit the programming mode.
2. The Point and Press® (Auto-Scan) Programming method allows you to program your remote control without using codes. Instead, the remote control automatically finds the correct setup code using certain buttons / commands that you select. Once you have found a setup codes that that operates your device, you then lock it in.
3. When using the Point and Press® Programming Method, there are several important points to remember:
 - The order in which you program your electronic devices is not important.

- There may be several codes that turn your electronic devices on / off (or perform other functions).
- While the remote is searching for the correct setup code(s) for your electronic devices, it is possible that other (previously programmed) devices may turn on / off (or perform other functions). If this occurs, continue pressing the [▲] or [▼] buttons (or the buttons described in this section until you find the correct code for the device you are programming).
- It may take several minutes for the remote to find the correct code that turns your device on / off (or performs another selected function). During this time, the mode buttons will illuminate in rotation (i.e. SAT → TV → DVD → AUDIO → AUX → SAT...).
- Once you lock-in a code, be sure to check the available functions for that device (i.e. TV - Vol ▲/▼, Mute, TV Input (TV / VCR button), Ch ▲/▼, 0-9; VCR - Play, Stop, Rew...; DVD - Play, Stop, Rew...; AUDIO - Vol ▲/▼, Mute) to see if they are operating.

4. When programming the remote control using the [▲] or [▼] buttons (Power function) under the Point and Press® Programming method, you may find a code that turns a device off but not back on. If this happens...

- The correct code has not been found as you may you may have a code that operates some but not all of the functions of your device. Continue pressing [▲] until your device turns back on.

OR

- You may have gone past the correct matching code. Try pressing [▼] one press at a time until you find a code that turns your device back on.

5. When using the Point and Press® Programming method, you can also program your remote using the following buttons:

TV Setup Codes

[VOL ▲] – to “go forward” through the codes using the “VOL ▲” function on your devices.

- [VOL ▼] – to “go back” through the codes using the “VOL ▼” function on your devices.

Note: When you find the correct code, the volume of the device being programmed will increase or decrease.

- [CH ▲] - to “go forward” through the codes using the “CH ▲” function on your devices.
- [CH ▼] - to “go back” through the codes using the “CH ▼” function on your devices.

Note: When you find the correct code, the channel of the device being programmed will increase or decrease.

- [▶▶] - to “go forward” through the codes using the “Fast Forward” function on your devices.
- [◀◀] - to “go back” through the codes using the “Rewind” function on your devices.

Note: When you find the correct code, the fast-forward or rewind function of the device being programmed will be performed. To simplify programming using these buttons, insert a VHS tape or DVD in the device being programmed.

Warning: Changes or modifications to this remote control not expressly approved for by Contec Holdings could void the user's authority to operate this equipment.

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Admiral	026	054	211	213
Advent	072	094	425	447
Adventura	047			463
Aiwa	214	471		
Akai	053	462	473	
Amark	023	215		
Amstrad	157			
Anam	217	218	219	220
	222	223		221
AOC	053	073	095	108
APEX	030	038	427	
Astar	462			
Audiovox	220	191	168	051
	465			451
Belcor	073			
Bell & Howell	211	213		
Broksonic	165	167		
Brokwood	073			
Candle	068	091		
Centurion	095	107	108	
Citizen	068	091	211	213
Concerto	073	095		233
Contec	147			
Coronado	023			
Craig	223			
Crown	023			
Curtis Mathes	016	054	107	108
	213			211
Daewoo	051	068	073	095
	159	189	191	158
	197	198	200	194
			202	196
	205	206	207	204
	209			
Daytron	073	095	107	209
Dell	448	094	072	108
				463
Dumont	073			
Electro Home	073	095		
Elektra	353			
Emerson	016	023	053	064
	139	158	159	103
	166	167	168	164
	400	401	402	165
				392
	073	095		415
Envision	454	456		
ESA	355	356		
Fisher	047	048	157	168
Funai	460			211
Fujitsu	426			
Gateway				

[illegible]

15. Using Your IRC 550 / URC 550 Remote Control

