



## 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.

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#### 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:

<b>SAT</b>	Satellite receivers
<b>TV</b>	Televisions
<b>DVD</b>	DVD
<b>AUDIO</b>	Audio receivers, amplifiers, CD players
<b>AUX</b>	VCRs, 2 <sup>nd</sup> TV, 2 <sup>nd</sup> DVD, 2 <sup>nd</sup> 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-site between the remote and DSR is not possible. Model URC550 is supplied 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, 2<sup>nd</sup> TV, 2<sup>nd</sup> DVD, 2<sup>nd</sup> Audio Device

1. Turn on the electronic device (VCR, 2<sup>nd</sup> TV, 2<sup>nd</sup> DVD, 2<sup>nd</sup> 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 <sup>nd</sup> TV / Rec / Amp)
TV	TV (#1)	SAT AUDIO AUX (2 <sup>nd</sup> TV / Rec / Amp)
DVD	TV (#1)	SAT AUDIO AUX (2 <sup>nd</sup> TV / Rec / Amp)
AUDIO - Rec / Amp	Rec /Amp	SAT TV AUX (2 <sup>nd</sup> Rec / Amp)
AUDIO - CD	TV (#1)	SAT TV AUX (2 <sup>nd</sup> Rec / Amp)
AUX – VCR	TV (#1)	SAT AUDIO (Rec / Amp)
AUX - TV # 2	TV (#2)	SAT

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

[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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## TV Setup Codes

Admiral	026	054	211	213
Advent	072	094	425	447 463
Adventura	047			
Aiwa	214	471		
Akai	053	462	473	
Amark	023	215		
Amstrad	157			
Anam	217	218	219	220 221
	222	223		
AOC	053	073	095	108
APEX	030	038	427	
<b>Astar</b>	<b>462</b>			
Audiovox	220	191	168	051 451
	465			
Belcor	073			
Bell & Howell	211	213		
Broksonic	165	167		
Brokwood	073			
Candle	068	091		
Centurion	095	107	108	
Citizen	068	091	211	213 233
Concerto	073	095		
Contec	147			
Coronado	023			
Craig	223			
Crown	023			
Curtis Mathes	016	054	107	108 211
	213			
Daewoo	051	068	073	095 158
	159	189	191	194 196
	197	198	200	202 204
	205	206	207	209
Daytron	073	095	107	108
Dell	448	094	072	463
Dumont	073			
Electro Home	073	095		
Elektra	353			
Emerson	016	023	053	064 103
	139	158	159	164 165
	166	167	168	169 392
	400	401	402	408 415
Envision	073	095		
ESA	454	456		
Fisher	355	356		
Funai	047	048	157	168 211
Fujitsu	460	469		
Gateway	426			

GE	015	018	042	044	049	Montgomery Ward	107	109	110	216	384	Sony	014	020	021	178		
	054	055	068	073	090		394	395	398	399	417		Soundesign	091				
	095	101	102	103	389		108						Squareview	157				
	390	396	403	406	407		022	023	026	053	071		Superscan	419				
	092						072	108	211	213			Supre-Macy	380				
Gibralta	023	048	053	068	073	NEC	028	068	090	108	200	Sylvania	068	071	072	090	091	
	090	095	107	108	233		464							093	107	108	157	158
	360						426							419	092	456	466	
Goldstar (LG)	023	053	068	073	090	Norcent	455	472				Symphonic	047	157				
	107	108	233	360	361		Orion	019	159	160	161		162	Tatung	044	446		
Gradiente	104					Panasonic	163	382				Techwood	068					
Grundig	233						042	043	044	045	046		Teknika	023	068	072	091	168
Go Video	443						429						213	463				
Hall Mark	073	095				Philco	023	053	068	071	072	Telerent	023	213				
Hitachi	023	068	095	096	097		091	463						Tera	381			
Hyundai	098	099	100			Magnavox (Philips)	023	068	071	072	073	Tevion	065	414				
	453						089	090	091	092	093		TMK	068	090			
Inkel	364						094	134	385	387	397	Toshiba	030	031	038	039	423	
Insignia	450	461	456				404	419	463	472			Totevision	233				
JC Penney	039	053	068	073	092	Pilot	073	094	233			Universal	068	102				
Jensen	095	102	355			Pioneer	111	144	383			Vidtech	068					
	062					Planar	474					ViewSonic	428					
JVC	104	105	106	396	397	Polaroid	384	394				Vizio	095	454				
Kawasho	410					Portland	023	068				Wards	068	090				
	073	095				ProScan	055	070				White Westinghouse	211	408	449	458		
KMC	023					Prima	072					X30SVNAGAI	468					
KTV	023	053	233	366		Proton	090	371	372			XR-1000	213					
Konka	445	168				Protron	457	467				Yamaha	068					
Kosch	462					Proview	459					York	090	108				
Kurazai	211	213				Pulsar	073					Zenith	047	048	049	050	051	
LG (Goldstar)	023	053	068	073	090	Quasar	044						391	405	406	434		
Lodgenet	107	108	233	360	361	Radio Shack	073					VCR Setup Codes						
	211	213				Realistic	022	166	168									
Logik	211	213				RCA	042	052	053	054	055							
Luxman	068	073	095				069	070	416	068								
LXI	024	026	157	345	355	Sampo	090	108					Admiral	066	075			
Mag	388					Samsung	015	016	017	023	031	Aiwa	132					
	459						090	107	108	134	147		Akai	269	275	336	351	352
Magnavox (Philips)	023	068	071	072	073		151	153	386	411			354					
	089	090	091	092	093	Sansui	423	424				Audio Dynamics	243	291				
	094	134	385	387	397	Sanyo	353	355	356	376	377	Bell & Howell	238	357				
	404	419	463	472		Scott	090	108	168			Broksonic	333	337	358	359		
	211	213				Sceptre	468					Canon	086	362				
Majestic	053	107	108	109		Sears	023	031	038	039	068	Citizen	033	172	247	331		
Marantz	215						353	355	356	030		Colortyme	291					
Megatron	090	211	213	355	388	Sharp	016	022	023	024	025	Craig	172	363				
Memorex	405	423					026	027	028	029	393	Curtis Mathes	086	112	247	291		
Mintek	470						395	409				Daewoo	033	343	344	345	346	
	053	068	073	090	095	Signature 2000	023	026	108	211	213		347	342				

Daytron	345	365			
DBX	243	291			
Dynatech	132				
Emerson	033	086	132	326	327
	331	332	333	334	335
	336	337	338	339	340
	341	342			
Fisher	035	081	357	363	238
Funai	132				
GE	086	172	174	170	
Go Video	348	349	350	331	
Goldstar (LG)	247	331			
Harman Kardon	291				
Hitachi	078	132			
Instant Replay	086				
JC Penney	078	086	172	238	291
JCL	086				
JVC	120	128	243	247	250
	253	238			
Kenwood	120	132	238	243	247
LG (Goldstar)	247	331			
Lloyd	132				
Logik	367				
LXI	132	331			
Magnavox (Philips)	086	132	183		
Marantz	086	172	183	238	247
	291				
Marta	331				
Matsui	368				
Memorex	132	238	331	363	369
	370				
Mitsubishi	255	258			
MTC	132	172			
Montgomery Ward	066	170	173	373	
Multi Tech	132	172	367		
NEC	120	238	243	291	374
	375				
Orion	322	326	327	328	329
	330				
Panasonic	112	117	430	086	
Pentax	078				
Philco	086	132	183		
Philips (Magnavox)	086	132	183		
Pioneer	078	120	263		
Portland	345				
ProScan	170	174			
Quartz	238	378			
Quasar	112				
RCA	078	132	141	170	172

	173	174	086		
Realistic	066	132	238	363	
Samsung	269	271	275	276	278
Sansui	120	367	379		
Sanyo	238	346	357	363	
Scott	033	332	367		
Sears	035	078	238	331	363
Sharp	066	075			
Shintom	367				
Signature 2000	066	170	173	373	
Sony	056	058	060		
Soundesign	132				
Sylvania	086	132	141	183	184
	322	324	420		
Symphonic	132				
Tandy	132	238			
Tashiko	331				
Tatung	243				
Teac	132	243			
Technics	086				
Teknika	132	331	359		
Thomas	132				
TMK	338				
Toshiba	033	035	078	081	
Totevision	172	331			
Unitech	172				
Vector Research	291				
Video Concepts	132	291			
Wards	066	132	172	247	331
XR-1000	367				
Yamaha	132	243	291	238	
Zenith	058	120	122	128	132
	435				

#### DVD Setup Codes

Aiwa	495				
Apex Digital	193	227	489		
Axon	491				
B144	146				
Cyberhome	490	496	498		
Daewoo	494				
Denon	201	203			
DVD-Video	199	484			
ECA	156				
GE	150	152	156	175	
Goldstar (LG)	129	133	135	179	260
Go-Video	129	486			

Gradiente	212	234			
Harman Kardon	256	259			
Hitachi	149				
JVC	177	179			
JVC-RM-SDR013J	475	476	477	478	
Kenwood	228				
KLH	248	252			
LG (Goldstar)	129	133	135	179	260
Liteon	499	500			
Magnavox	/ 138	143	146	484	
Philips					
Marantz	270				
Mintek	432				
Mitsubishi	181	185			
Multimedia	482				
Gateway					
NAD	246				
Onkyo	085	244			
Panasonic	115	118	121	124	431
Philips	/ 138	143	146	484	
Magnavox					
Pioneer	125	187	188		
Polaroid	497				
Proceed	236				
Protron	DVD- 488				
Video					
Replay TV	422				
Samsung	192	224	225	487	493
Sharp	034	076	077	079	
Sony	040	059	061	436	479
	480	481			
Sylvania	421	484			
Thomson	156	237			
TiVo	418				
Toshiba	082	085	087	113	
Yamaha	121	124	210		
Yamakawa	485				
Zenith	129	133	135	483	

#### Audio Setup Codes

##### CD Players

ADC	318			
Akai	249	261		

Aiwa	176				
Carver	176	155			
Crown	154				
Denon	273				
Fisher	230	274			
Goldstar (LG)	308				
Harman Kardon	315				
JVC	297				
Kenwood	131	176	274	289	299
Krol	176				
LG (Goldstar)	308				
Magnavox (Philips)	037	084	119	296	
Mission	176				
Mitsubishi	245	249			
NAD	182	231	290		
Nakamichi	264	319			
NEC	235				
NSM	176				
Onkyo	300				
Panasonic	184	266	437		
Philips (Magnavox)	037	084	119	296	433
Pioneer	116	127			
Quasar	184				
Radio Shack	186	190	266	279	289
RCA	295	037	119		
Sanyo	230	309			
SAE	176				
Scott	186				
Sharp	288	289			
Sony	067	292	293		
Soundesign	148	242	311	320	
STS	318				
Sylvania	084				
Teac	186				
Technics	184	208	317		
Toshiba	290				
Yamaha	280				

#### **Receivers / Amplifiers**

Adcom	325
Aiwa	301
Akai	142
Bose	302 440
Carver	155 180
Denon	262 307
Everquest	136
Fisher	063 180

Fosgate Audionics	305
Goldstar (LG)	036
Harman Kardon	130 257 305 306
Hitachi	240
Jensen	140
JVC	114 241
Kenwood	063 277 444
LG (Goldstar)	036
Luxman	281
Magnavox	080 463
Marantz	282 283 284 285
NAD	286
Onkyo	126 171 304
Optimus	142 229 321
Panasonic	032 074 438 441
Parasound	323
Philips (Magnavox)	080
Pioneer	123 137 251 298
Quasar	032
Radio Shack	229 267
RCA	439
Realistic	226 268
Rotel	310
Samsung DVD	/ 492
Reciever	
Sansui	283
Sanyo	195
Scientific Atlanta	312
Scott	272
Sharp	294
Sherwood	229 267
Sony	041 057 232 287 442
Soundesign	083 088 239 265
SSI	313
Taekwang	142
Teac	314 316
Technics	032
Wards	063
Victor	114 241
Yamaha	145 254 303
Zenith	036 083 088 239 265



## 15. Using Your IRC 550 / URC 550 Remote Control

