

Model RT-U50DSR 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 universal remote control is simple to program, easy to use, and can operate up to five (5) devices, which include:

SAT	Satellite receivers
TV	Televisions
VCR	VCR
DVD	DVD
AUDIO	Audio receivers, amplifiers, CD players

Before you can use your remote control, it must be programmed (set-up) to operate the above devices.

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 15.

Memory Guard®

Eliminates reprogramming after battery changes.

Time Out

Shuts remote off if any button is pressed and held for 30 seconds. This extends battery life in the event the remote becomes lodged under or between heavy objects.

3. Installing / Replacing Batteries

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

When the batteries become low and need to be replaced, the [SAT], [TV], [VCR], [DVD], [AUDIO] buttons will not illuminate normally or at all during use.

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

4. Programming Your TV, VIDEO, AUDIO Devices

Code-Entry Programming

- Turn on all the electronic devices (TV, VCR, DVD, AUDIO) you want to program the remote to operate.
- Press [ENTER], then [MUTE] together until the power / mode buttons illuminate in slow-rotation (i.e. SAT → TV → VCR → DVD → AUDIO → SAT...).
- 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.
 - As soon as you have entered a 3-digit code that turns your TV off, press [MUTE].
 - If the TV turns back on, press [ENTER] to lock in the code. The power / mode buttons will blink 3-times and go out.
 - 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 power / mode buttons will blink 3-times and go out.
- To program your VCR or DVD, refer to the VCR / DVD Setup Code lists and repeat steps 2 and 3 above.
- 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 the remote control without using codes. Instead, the remote control automatically finds the correct command that you select in a variety of codes until you find the code that operates your device. You then lock in the correct code as described below.

The following instructions describe how to program your remote control using the [CH▲] or [CH▼] buttons ("Power" function during programming). You can also program your remote control using other buttons / functions as described in Section 15. When using this 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). 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.
- 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 [CH▲] or [CH▼] buttons (or the buttons described in Section 15) 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 power / mode buttons will illuminate in fast-rotation (i.e. SAT → TV → VCR → DVD → AUDIO → SAT...).

Programming your electronic devices using the [Ch +] or [Ch -] buttons ("Power" function during programming)...

1. Turn on all the electronic devices (TV, VCR, DVD, AUDIO) you want to program the remote to operate.
2. Press [ENTER], then [MUTE] together until the power / mode buttons illuminate in slow-rotation (i.e. SAT → TV → VCR → DVD → AUDIO → SAT...).
3. Press and hold the [CH ▲] button until one device turns off. While you are pressing the [CH ▲]

button, the power / mode buttons will illuminate in fast-rotation. As soon as one device turns off, release the [CH ▲] button.

4. Press [MUTE]. If the device that turned off...
 - a. Turns back on, press [ENTER] to lock in this code. The power / mode buttons will blink 3-times and go out.

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

Once you have found a code that turns the device on / off, press [ENTER] to lock in this code. The power / 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.

5. Programming Your TV / VCR Combination

1. First, turn on your TV / VCR combination device and install a VHS tape.
2. Next, 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. Last, 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.

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

1. First, turn on your TV / DVD combination device and install a DVD.
2. Next, 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. Last, 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.

4. If you have a TV / VCR / DVD combination unit, you would then 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 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.

Vidtech	068				
ViewSonic	428				
Wards	068	090			
White Westinghouse	211	408	449	458	
XR-1000	213				
Yamaha	068				
York	090	108			
Zenith	047	048	049	050	051
	391	405	406	434	

VCR Setup Codes

Admiral	066	075			
Adventura					
Aiwa	132				
Akai	269	275	336	351	352
	354				
Audio Dynamics	243	291			
Bell & Howell	357	238			
Broksonic	333	337	358	359	
Canon	086	362			
Citizen	033	172	247	331	
Colortyme	291				
Craig	172	363			
Curtis Mathes	086	112	247	291	
Daewoo	033	343	344	345	346
	347				
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	
Funai	132				
GE	086	172	174	170	
Go Video	348	349	350		
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

Apex Digital	193	227			
B144	146				
Denon	201	203			
DVD-Video	199				
ECA	156				
GE	150	152	156	175	
Goldstar (LG)	129	133	135	179	260
Gradiente	212	234			
Harmon Kardon	256	259			
Hitachi	149				
JVC	177	179			
Kenwood	228				
KLH	248	252			
LG (Goldstar)	129	133	135	179	260
Magnavox	138	143	146		
Marantz	270				
Mintek	432				
Mitsubishi	181	185			
NAD	246				
Onkyo	085	244			
Panasonic	115	118	121	124	431
Pioneer	125	187	188		
Proceed	236				
Samsung	192	224	225		
Sharp	034	076	077	079	
Sony	040	059	061	436	
Sylvania	421				
Thomson	156	237			
Toshiba	082	085	087	113	
Yamaha	121	124	210		
Zenith	129	133	135		

AUDIO Setup Codes

Compact Disc

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				

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				
Sansui	283				
Sanyo	195				
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

7. Code Number Read-Back

To identify the 3-digit setup codes stored under the Point and Press[®] programming method, follow these steps:

To identify the TV setup code...

1. Press [TV], then [ENTER] together until the [TV] button illuminates.
2. Press [INFO]. The [TV] button will "blink back" the code numbers, with a 1-second interval between each digit of the code.

Example: For code "035", the remote will blink 10 times, then 3 times, then 5 times.

To identify the 3-digit VCR code, press [VCR], then [ENTER] in step 1, then press [INFO].

To identify the 3-digit DVD code, press [DVD],

then [ENTER] in step 1, then press [INFO].

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

8. Operating Your Satellite Receiver

To operate your Satellite receiver, press [SAT] to select the Satellite mode. Then refer to Section 16 for the operation of your Satellite receiver.

9. Operating Your TV

To operate your TV, press [TV] to select the TV mode. In your remote's TV mode, you can then press...

[POWER]	TV on / off
[CH ▲] / [CH ▼]	Inc. / dec. TV channel
[0] – [9]	Numeric entry buttons
[VOL ▲] / [VOL ▼]	Inc. / dec. TV volume
[MUTE]	Mute TV volume
[LAST CH]	Tune to last TV channel
[SOURCE]	Change TV video inputs

10. Operating Your VCR

To operate your VCR, press [VCR] to select the VCR mode. In your remote's VCR mode, you can then press...

[POWER]	VCR on / off
[CH ▲] / [CH ▼]	Inc. / dec. VCR channel
[0] – [9]	Numeric entry buttons
[VOL ▲] / [VOL ▼]	Inc. / dec. TV volume
[MUTE]	Mute TV volume
[SOURCE]	Change VCR video inputs
[◀◀]	VCR rewind
[▶▶]	VCR play
[▶▶▶]	VCR fast-forward
[⏸]	VCR pause
[■]	VCR stop
[●]	VCR record

Receiver / Amplifier

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				

11. Operating Your Device

To operate your DVD, press [DVD] to select the DVD mode. In your remote's DVD mode, you can then press...

[POWER]	DVD on / off
[VOL ▲] / [VOL ▼]	Inc. / dec. TV volume
[MUTE]	Mute TV volume
[◀◀]	DVD rewind
[▶▶]	DVD play
[▶▶▶]	DVD fast-forward
[⏸]	DVD pause
[■]	DVD stop
[●]	DVD record

12. Operating Your AUDIO Device

To operate your Audio device, press [AUDIO] to select the Audio mode. In your remote's Audio mode, you can then press...

[POWER]	Audio on / off
[VOL ▲] / [VOL ▼]	Inc. / dec. Audio volume
[MUTE]	Mute Audio volume

13. 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:

SAT	TV (default), SAT or Audio.
TV	TV (default), SAT or Audio.
VCR	TV (default), SAT or Audio.
DVD	TV (default), SAT or Audio.
AUDIO	AUDIO device (default), SAT or TV.

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

1. Press [SAT], then [ENTER] together until 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.

14. Additional Programming Information, Troubleshooting, Tips

Additional Programming Information

1. The power / mode buttons will illuminate in slow-rotation (i.e. SAT → TV → VCR → DVD → AUDIO → SAT...) while the remote is in a programming mode. In the absence of a keypress entry, the power / mode buttons will stop illuminating after 30 seconds and the remote will exit the programming mode.

2. When programming the remote control using the [CH ▲] or [CH ▼] 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...

a. 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 [CH ▲] until your device turn on.

OR

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

3. When using the Point and Press® Programming method, you can also program your remote using buttons other than the [CH ▲] or [CH ▼] (as described in Section 5) as follows:

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

b. [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.

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

d. [▼] - 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.

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

f. [◀◀] - 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.

You can also program your remote using the other available functions as follows:

a. Press [ENTER], then [MUTE] together until the power / mode buttons illuminate in slow-rotation (i.e. SAT → TV → VCR → DVD → AUDIO → SAT...).

b. In this order, carefully press [0], [0], [0], [CH ▲] and [VOL ▲]. The power / mode buttons illuminate in slow-rotation (i.e. SAT → TV → VCR → DVD → AUDIO → SAT...).

c. You can now program your remote using the [CH ▲], [CH ▼], [VOL ▲], [VOL ▼], [▲], [▼], [FFWD], [REW], [PLAY], [STOP], [REC], [PAUSE], [LAST], [FAV], [0] - [9] buttons. When you find the correct code, the function associated with the selected button will be performed.

4. Your remote is equipped with a Point and Press® Programming label on the back of its case. This will help you quickly program the remote without using codes.

Troubleshooting / Tips

1. 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.
2. If you have a TV that's operated by remote control, it is recommended that you plug it directly into a wall outlet instead of the Satellite receiver.
3. If you have any questions concerning the brand, model or operation of your Satellite receiver, contact your Satellite service provider.

Frequently Used Terms

AUDIO Devices - Audio receivers, amplifiers, CD players that you can program your remote to operate.

Default Setting – How your remote is set when you receive it from your Satellite service provider.

Electronic Components / Devices - The various electronic devices the remote is designed to operate. These include Satellite receivers, TVs, VCRs, DVDs, Audio receivers, amplifiers and CD players.

Fast-Rotation - The power / mode buttons will illuminate in a fast sequence (i.e. SAT → TV → VCR → DVD → AUDIO → SAT...) repeated every 1/3 second. Fast-rotation occurs when the remote is receiving keypresses to program it to your electronic devices.

Mode - The device the remote is set to operate (ex. SAT, TV, VCR, DVD, AUDIO).

Program (Setup) – the process of teaching your remote control to operate your electronic devices.

Slow-Rotation - The power / mode buttons illuminate in a slow sequence (i.e. SAT → TV → VCR → DVD → AUDIO → SAT...) repeated every 1 second. Slow-rotation illumination occurs when the remote is in the programming mode, waiting for the next entry on the keypad of the remote.

TV Output Channel - The channel your TV needs to be set on for proper Satellite reception (most often TV channel 3, but may be TV channel 2 or 4). If you have any questions concerning your TV output

channel, contact your Satellite service provider. Or, with your Satellite receiver turned on, try setting your TV to channel 2, 3 or 4 to obtain a clear picture.

Transport Functions - These are the [STOP], [PLAY], [FWD], [REW], [PAUSE] and [REC] buttons.

In the remote's Satellite mode, these buttons operate your Satellite receiver's features.

In the remote's VCR or DVD mode, these buttons operate your VCR or DVD functions.

In the remote's Audio mode, these buttons operate your CD player.

VIDEO Devices - VCR or DVD players.

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15. Using Your RT-U50 DSR Remote Control

