

Cover/Front of Package

**Do Not Print On
Inside of Cover**

Thank you for purchasing this RCA Universal Remote Control. This product is designed to provide years of service operating a wide variety of video and audio components.

Please retain this guide for future reference.

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This Universal Remote Control is already programmed for most RCA, GE and ProScan TVs, VCRs, DBS Systems, DVD Players, and Audio Video Receivers.

Note: For users of RCA, GE and ProScan DBS Products, older DBS models require that the DISPLAY Button on this remote be used to make program selections. Use the SELECT button for making program selections on newer RCA, GE and ProScan DBS models.

Battery Installation

Your Universal Remote requires 2 new AAA alkaline batteries.

To install the batteries:

1. Turn the remote over and push down on the cover and slide it off.
2. Insert the batteries, matching the batteries to the (+) and (-) marks inside the battery case.
3. Slide the battery cover back into place.

Note: Reprogramming may be required after batteries are removed.

Button Description For Video Operation

INDICATOR LIGHT

The Indicator Light flashes to show that the remote is working.

ON•OFF

The ON•OFF button operates the same as your original remote

Note: Some RCA, GE and ProScan models require you to press the device button to turn the device on and the ON•OFF button to turn the device off.

TV, VCR1, DVD, VCR2, AUX, DBS•SAT, AUDIO, CABLE

The TV, VCR1, DVD, VCR2, AUX, DBS•SAT, AUDIO, and CABLE buttons are used to select the device you want to control.

VOL & CH

The VOL (Volume) and CH (Channel) buttons increase or decrease the channel numbers or volume.

MUTE

Mutes volume on the TV.

GO BACK

The GO BACK button allows you to go to the previous channel you selected. Operates the same as Last Channel, Previous Channel, or Recall button on your original remote.

CODE SEARCH

Used to program the remote or to search through codes.

GUIDE

Brings up the on-screen TV program guide if your TV has that feature.

INFO

Shows the date and the time if your TV or VCR has that feature. Functions the same as a Display button.

NAVIGATION BUTTONS & SELECT

Used to move through on screen menuing and guides. With some DBS models the INFO button should be used to select the highlighted item. Use the navigation buttons to move the highlighted choice up, down, left, or right.

MENU•PROG

Brings up the Main Menu. If you are already in the menu system, press SELECT to select a highlighted choice. Use the arrow buttons to move through the Menu Selections.

CLEAR

Removes the on screen display to return to normal viewing.

0-9

The number buttons operate the same as on your original remote, and are used for entering device codes.

ENTER

The ENTER button is used to complete channel selection for some brands of TV. It is also used to complete the code entry process.

TV•VCR

The TV•VCR button operates the TV•VCR function of your VCR.

REVERSE, PLAY, FORWARD, RECORD, STOP, PAUSE

These buttons operate the same as on your original VCR or remote. You must press the REC button twice to begin recording.

PIP, SWAP, & INPUT

PIP (Picture-in-Picture) and SWAP operate your Television's Picture-in-Picture features.

INPUT selects the video inputs of your TV if equipped with this feature.

L1, L2, L3, L4

The L1-L4 buttons are used for storing learned functions from other remote controls.

LEARN

The LEARN button allows you to program and delete learned functions from your original remote control.

SLEEP

The SLEEP button allows you to set a time for you to turn off your TV automatically.

Button Description For Audio Operation

AUDIO OPERATION

This remote does not work all brands of audio equipment. See page 13 for the audio code and brand list to operate your brand of equipment. You may need to experiment with your system since manufactures products do not all work the same way.

Press AUDIO button to enable the AUDIO mode.



LEVEL+/LEVEL-

Sets the level of the speakers during test tone mode.

DSP ON-OFF

Enables the receiver's Digital Signal Processing mode.

DSP MODE

When the DSP mode is enabled, pressing this button allows the user to cycle through the various DSP modes.

CD, TAPE, TUNER, TV, VIDEO 1, VIDEO 2

The CD, TAPE, TUNER, TV, VIDEO 1, and VIDEO 2 buttons are used to directly select the device you want to control. (Works in AUDIO mode)

AM-FM

The AM-FM button allows you to select the AM-FM band on your audio receiver.

FUNCTION

Selects the different audio input devices. The number buttons also select the function labeled below the buttons when in AUDIO mode.

DELAY-, ON, DELAY+

Increases or decreases the delay between the surround and main speakers when the receiver is in the surround sound mode.

ON-OFF, SURR, MODE

ON-OFF SURR toggles the surround modes on and off. SURR MODE cycles through the receiver's various surround sound mode settings.

FRONT, CENTER, REAR, TEST

Adjust the levels of the front, center, and rear speakers respectively used with Level + / Level - . The test tone must be enabled first by pressing the TEST button.

PRESET

Used to operate preset channels while in Audio Mode.

Programming For TV

Most RCA, GE and ProScan TVs will not require programming. Check to see if your TV responds to the remote before you begin programming.

1. Manually turn on the TV.

Find the three digit code for your TV in the code list below.

2. Press and hold the **CODE SEARCH** button until the **INDICATOR LIGHT** lights (about 4 secs.), then release the **CODE SEARCH** button.
3. Press and release the **TV** button (The **INDICATOR LIGHT** will blink then remain lit).

4. Enter the code using the Number Buttons.

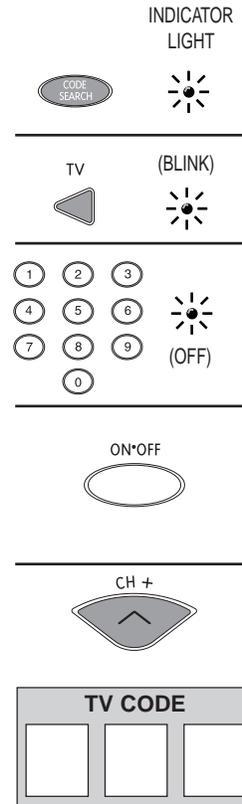
After your code is entered, the **INDICATOR LIGHT** will turn off. If the code is not valid, the **INDICATOR LIGHT** will blink. Check the code list and repeat process.

5. Aim the remote at your TV and press the **ON•OFF** button. Your TV should turn off.

Note: If your TV does not respond, try all the codes for your brand. If the codes do not work, or your brand is not listed, try the Code Search method on page 19.

6. With your TV on, press **CH+** (CHANNEL UP) If the TV responds, no further programming is required.

7. Enter your code here for easy reference.



TV Code List

Abex	185	Cetronic.....	042
Acme	008, 050	Citizen.....	001, 004, 008, 009, 042
ADA	023	.....	053, 058, 105, 109, 177
ADC.....	008, 000	Clairtone	014
Admiral.....	001, 174	Classic	042
Adventura	174	CLP	059
Aiko.....	058	Colortyme.....	004, 009, 010
Alleron	046	Concerto	004, 009
Amark	020	Contec/Cony	012, 013, 014, 042, 053
Amtron	053	Craig	042, 053
Akai.....	002	Crown	042, 053
Amstrad	189	Curtis Mathes	000, 001, 004, 009, 015
Anam National	003, 025, 042, 053, 193	.....	031, 049, 105, 109
AOC	004, 005, 007, 009, 014	CXC	042, 053
.....	132, 156, 175	Daewoo.....	004, 005, 009, 017, 018
Archer	020	.....	019, 042, 058, 082, 083
Audiovox	053	.....	085, 097, 100, 126, 127
Belcor.....	004	Daytron.....	004, 009
Bell & Howell	000, 001, 049	Dimensia.....	000, 031
Bradford	053	Dumont.....	004, 121
Broksonic	136, 147	Dynasty.....	042
Brokwood	004	Elektra	001
Candle.....	004, 008, 009, 174	Electroband	002, 014
Capehart	175	Electrohome	003, 004, 009, 022, 133
Celebrity	002	Emerson	004, 009, 014, 023, 024, 025
Centurion	009	.....	026, 027, 030, 032, 033, 034

TV Code List Continued

.....	035, 036, 037, 038, 039, 040	.....	171
.....	041, 042, 043, 045, 046, 049	Philco	003, 004, 005, 008, 009, 062
.....	053, 116, 135, 147, 177, 179	.....	068, 069, 074, 075, 077, 133
Envision	004, 009	Philips	003, 004, 006, 008, 062, 068, 069
Fisher	013, 049, 050, 180	.....	074, 075, 076, 086, 087, 089, 133
Fujitso	046	Pilot	004
Funai	042, 053, 046	Pioneer	004, 009, 090, 179, 185
Futuretec	042, 053	Portland	004, 005, 009, 058
GE	000, 003, 004, 009, 022, 031	Price Club	105
.....	044, 052, 054, 055, 087, 092	Precision	166
.....	103, 107, 125, 164, 181	Prism	055
Gibraltar	004, 121	ProScan	000, 031, 107, 181
Grundy	046, 053	Proton	004, 009, 093, 175, 186
Hallmark	004, 009	Pulsar	121
Harvard	053	Pulser	004
Hitachi	001, 004, 009, 013, 059, 060	Quasar	003, 054, 055, 070
.....	061, 137, 139, 140, 141, 142	Radio Shack/Realistic	000, 004, 009
.....	143, 144, 145, 146, 179	.....	031, 041, 042, 048, 049, 053
IMA	053	.....	095, 155, 170, 172
Infinity	062	RCA	000, 003, 004, 005, 007, 009, 011
Inteq	121	.....	031, 048, 078, 082, 083, 096, 098
Janeil	174	.....	099, 101, 102, 103, 107, 113, 129
JBL	062	.....	133, 179, 181, 187, 188
JCB	002	Rhapsody	014
JC Penny	000, 004, 005, 008, 009, 022	Runco	121
.....	031, 052, 054, 055, 063, 087	Sampo	004, 009, 172, 175
.....	105, 107, 109, 172, 181	Samsung	004, 005, 009, 015, 104, 105
Jensen	004, 009	.....	106, 109, 133, 172
JVC	013, 054, 055, 060, 065, 067, 089	Samsux	009
Kawasho	002, 004, 009	Sansui	135, 136
Kaypani	175	Sanyo	004, 013, 049, 108, 180
KEC	042	Scotch	004, 009
Kenwood	004, 009, 133	Scott	004, 009, 024, 035, 042, 046, 053
Kloss Novabeam	068, 069, 174	Sears	000, 004, 009, 013, 031, 046
KTV	014, 021, 042, 053, 070, 116, 177	.....	049, 105, 107, 109, 110, 133
LG (Goldstar)	004, 005, 009, 056, 057	.....	180, 181, 189
.....	133, 155, 156, 172	Sharp	004, 009, 095, 111, 112, 114
Lodgenet	000, 001	.....	122, 123, 124, 173
Loewe	062	Shogun	004
Logik	000, 001	Signature	000, 001, 023
Luxman	004, 009	Simpson	008
LXI	000, 004, 009, 031, 049	Sonic	014
.....	062, 107, 109, 181	Sony	002, 006
Megatron	009, 059	Soundesign	004, 008, 009, 042, 053, 046
Magnavox	004, 008, 009, 062, 068	Squareview	189
.....	069, 074, 075, 076, 077	SSS	004, 042, 053
.....	089, 133, 165	Starlite	053
Majestic	000, 001	Supre-Macy	174
Marants	062	Supreme	002
Marantz	004, 009, 062	Sylvania	004, 008, 009, 062, 068, 069
Matsui	062	.....	074, 075, 076, 077, 133, 161
Megatron	004	Symphonic	033, 053, 189
MEI	014	Tandy	173
Memorex	000, 001, 004, 009, 046	Tatung	003
.....	049, 051, 135	Technics	054, 055
MGA	004, 005, 009, 022, 046, 133, 180	Techwood	004, 009, 054, 055
Midland	054, 055, 107, 121, 172, 181	Teknika	000, 001, 004, 005, 008, 009
Minutz	052	.....	013, 042, 046, 053, 058, 076
Mitsubishi	004, 005, 009, 022, 046, 081	.....	105, 109, 170, 174
.....	089, 132, 133, 180	Telecaption	117
Montgomery Ward	000, 001	Telerent	000, 001
Motorola	003, 173	Tera	004, 186
MTC	004, 005, 009, 014, 105, 109	TMK	004, 009
Multitech	053	Toshiba	013, 049, 089, 105, 109, 117, 118
Multivision	084	Universal	052, 087
NAD	004, 009, 109, 185	Victor	060
NEC	003, 004, 005, 009, 010, 085, 089, 095	Vidtech	004, 005, 009
Nikei	042	Viking	174
Nikko	004, 009, 058	Wards	000, 001, 004, 005, 009, 024, 031
NTC	058	.....	033, 046, 052, 062, 068, 069, 074
Onking	042	.....	075, 076, 087, 095, 119, 133
Onwa	042, 053	White Westinghouse	097, 100
Optimus	170, 185	Yamaha	004, 005, 009, 133
Optonica	095, 173	Yupiteru	042
Orion	035, 121, 135	Zenith	000, 001, 004, 023, 038, 058
Panasonic	003, 054, 055, 062, 149, 170	.....	064, 121, 135, 136, 153

Programming For VCR1 & VCR2

Most RCA, GE and ProScan VCRs will not require programming. Check to see if your VCR responds to the remote before you begin programming.

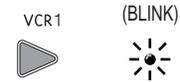
1. Manually turn on the VCR.

Find the three digit code for your VCR in the code list starting below.

2. Press and hold the **CODE SEARCH** button until the **INDICATOR LIGHT** lights (about 4 secs.), then release the **CODE SEARCH** button.

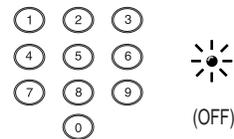


3. Press and release the **VCR1** button (The **INDICATOR LIGHT** will blink then remain lit).



4. Enter the code using the Number Buttons.

After your code is entered the **INDICATOR LIGHT** will turn off. If the code is not valid, the **INDICATOR LIGHT** will blink. Check the code list and repeat process.

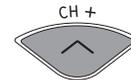


5. Aim the remote at your VCR and press the **ON•OFF** button. Your VCR should turn off.

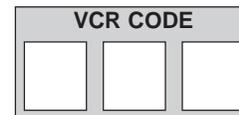
Note: If your VCR does not respond, try all the codes for your brand. If the codes do not work, or your brand is not listed, try the Code Search method on page 19.



6. With your VCR on, press **CH+** (CHANNEL UP). If the VCR responds, no further programming is required.



7. Enter your code here for easy reference.



VCR Code List

Admiral	001	Curtis-Mathes	000, 002, 022, 026, 029
Adventura	026	.....	034, 037, 073, 128
Aiko	027	Cybernex	013
Aiwa	002, 026, 044	Daewoo	015, 017, 019, 025, 026, 027, 028, 110
Akai	003, 004, 005, 006, 008, 029	Daytron	110
.....	111, 112	Dbx	009, 123
Allegro	018, 022, 104	Dimensia	000
American High	021, 060	Dynatech	002, 026
Asha	013	Electrohome	014, 029
Audio Dynamics	009, 123	Electrohome	014
Audiovox	014	Emerson	002, 006, 012, 014, 015, 021, 024
Bell & Howell	011	.....	025, 026, 029, 030, 031, 032, 033
Beaumarck	013	.....	034, 035, 036, 037, 038, 039, 040
Broksonic	012, 025, 031, 064, 085	.....	041, 043, 044, 045, 047, 060, 065
Calix	014	.....	105, 116
Candle	009, 013, 014, 015, 016, 017, 019	Fisher	009, 011, 023, 048, 049, 050, 062
Cannon	021, 060, 114, 115	Fuji	004, 021, 060
Capehart	104, 110	Funai	002, 008, 026
Carver	062	Garrard	026
CCE	027, 061	GE	000, 013, 021, 053, 060, 115, 117, 120
Citizen	009, 013, 014, 015, 016, 017	Gradiente	026
.....	019, 027	Go-Video	134, 143
Colortyme	009	Harley Davidson	026
Colt	061	Harman Kardon	009, 068
Craig	013, 014, 036, 074	Harwood	061

VCR Code List Continued

Headquarter	011
Hitachi	002, 055, 057, 107, 111, 120 122, 144, 145
HI-Q	023
Instant Replay	008, 021, 060
Inteq	014
JCL	021, 060
JC Penney	009, 011, 013, 014, 055, 060 107, 123, 111, 115, 118
Jensen	055, 111
JVC	009, 011, 022, 111, 123
Kenwood	009, 011, 016, 111, 123
KLH	061, 131
Kodak	014, 021, 060
LG (Goldstar)	009, 014, 121
Lloyd	002, 026
Logik	061
LXI	014
Magnavox	021, 060, 062, 104, 106, 115, 124
Magnin	013
Marantz	009, 011, 016, 021, 060, 062 064, 114, 123
Marta	014
Masushita	021, 060
MEI	021, 060
Memorex	001, 002, 011, 013, 014, 021 023, 026, 043, 060, 104, 112
MGA	029, 065
MGN Technology	013
Midland	053
Minolta	055, 107
Mitsubishi	029, 055, 065, 066, 068, 069 070, 071, 073, 074, 123
Montgomery Ward	001, 075
Motorola	001, 021, 060
MTC	002, 013, 026
Multitech	002, 013, 026, 053, 061
NEC	009, 011, 016, 024, 064 076, 077, 078, 111, 123
Nikko	014
Noblex	013
Olympus	021, 060
Optimus	001, 014, 109, 136, 137
Optonica	075, 134
Orion	031
Panasonic	021, 060, 109, 115, 125
Pentax	016, 055, 107, 120
Pentax Research	009
Philco	021, 060, 062, 115
Philips	021, 060, 062, 075, 106, 124
Pilot	014
Pioneer	055, 080, 081, 123
Portland	016, 017, 019, 110
ProScan	000
Protec	061
Pulsar	104
Quarter	011
Quartz	011
Quasar	021, 060, 115, 125
RCA	000, 003, 013, 021, 055, 060, 082, 083 084, 086, 087, 088, 089, 090, 091, 107 115, 120, 125
Radioshack/Realistic	000, 001, 002, 011 013, 014, 021, 023, 026, 029 049, 050, 060, 075, 109, 112 115, 136, 137, 138
Radix	014
Randex	014
Ricoh	128
Runco	104
Samsung	005, 013, 015, 033, 053 055, 112, 129, 134
Sanky	001, 104
Sansui	092, 111, 123
Sanyo	011, 013, 023
Scott	012, 015, 025, 032 038, 065, 093, 116
Sears	011, 014, 021, 023, 048, 049, 050 055, 060, 062, 107, 118
Sharp	001, 002, 017, 029, 075, 135, 136
Shintom	004, 055, 061, 128, 132
Shogun	013
Signature	002
Singer	021, 060, 061
Sony	004, 099, 128, 139, 140, 141
STS	021, 055, 060, 107
Sylvania	002, 026, 060, 062, 065, 115, 124
Symphonic	002, 026
Tandy	002, 011
Tashiko	014
Tatung	111
Teac	002, 026, 111
Technics	021, 060, 109
Teknika	002, 014, 021, 026, 060, 100
Toshiba	015, 049, 055, 062, 065, 093, 116
Totevision	013, 014
TMK	013, 024, 047
Unitech	013
Vector Research	009, 015, 016, 123
Victor	123
Video Concepts	009, 015, 016, 029, 123
Videosonic	013
Wards	001, 002, 013, 014, 015, 021 023, 026, 029, 055, 060, 061, 075 101, 107, 116
White Westinghouse	002, 008
XR-1000	021, 026, 060, 061
Yamaha	009, 011, 111, 123
Zenith	004, 007, 010, 014, 018, 022, 085 104, 119, 123, 128, 133

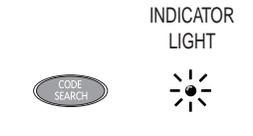
Programming For DVD

Most RCA, GE and ProScan DVD systems will not require programming. Check to see if your DVD System responds to the remote before you begin programming.

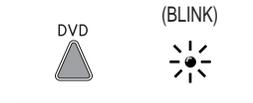
1. Manually turn on the DVD System.

Find the three digit code for your DVD System in the code list below.

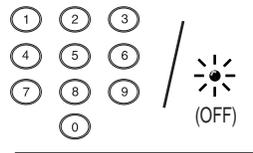
2. Press and hold the **CODE SEARCH** button until the **INDICATOR LIGHT** lights (about 4 secs.), then release the **CODE SEARCH** button.



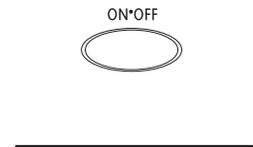
3. Press and release the **DVD** button (The **INDICATOR LIGHT** will blink then remain lit).



4. Enter the code using the Number Buttons. After your code is entered, the **INDICATOR LIGHT** will turn off. If the code is not valid, the **INDICATOR LIGHT** will blink. Check the code list and repeat process.



5. Aim the remote at your DVD System and press the **ON*OFF** button. Your DVD System should turn off.



6. If the DVD System responds, no further programming is required.

Note: If your DVD does not respond, try all the codes for your brand. If the codes do not work, or your brand is not listed, try the Code Search method on page 19.

7. Enter your code here for easy reference.

DVD CODE		

DVD Codes

Akai	152	Pioneer	161
Denon	157	ProScan	166
Hitachi	161	RCA	166
JVC	163	Samsung	164
Magnavox.....	155, 165	Sharp	154
Marantz	155	Sony.....	156
Mitsubishi.....	159	Toshiba	155
Panasonic	157, 158	Zenith	153, 162
Philips.....	155, 165	Yamaha	157

Laser Disc's

Denon	080	Sanyo.....	007
Pioneer	080	Sony.....	098
ProScan	083	Zenith	007
RCA.....	083		

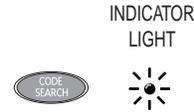
Programming For DBS System

Most RCA, GE and ProScan Satellite systems will not require programming. Check to see if your DBS Satellite System responds to the remote before you begin programming.

1. Manually turn on DBS System.

Find the three digit code for your DBS System in the code list below.

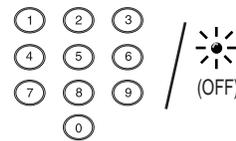
2. Press and hold the **CODE SEARCH** button until the **INDICATOR LIGHT** lights (about 4 secs.), then release the **CODE SEARCH** button.



3. Press and release the **DBS•SAT** button (The **INDICATOR LIGHT** will blink then remain lit).



4. Enter the code using the Number Buttons. After your code is entered, the **INDICATOR LIGHT** will turn off. If the code is not valid, the **INDICATOR LIGHT** will blink. Check the code list and repeat process.

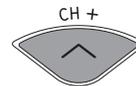


5. Aim the remote at your DBS System and press the **ON•OFF** button. Your DBS System should turn off.

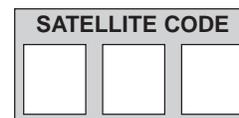
Note: If your DBS System does not respond, try all the codes for your brand. If the codes do not work, or your brand is not listed, try the Code Search method on page 19.



6. With your DBS System on, press **CH+** (CHANNEL UP). If the satellite system responds, no further programming is required.



7. Enter your code here for easy reference.



Satellite Codes

Amplica	015	Macom State	040
Channel Master	017, 018, 019	Norstat	041, 042
Chapparral	000, 001, 020	Panasonic	066
Cheyenne	001	Primestar	067
Drake	002, 014, 027	Philips	079
Dish Network	068	ProScan	062, 076
DX Antenna	008, 022	RCA	062, 076, 077
Echosphere	068	Realistic	007, 043
Echostar	028, 029, 030, 068	Scientific Atlanta	047
Fujitsu	031, 032	Sierra I, II, III	001
GE	076, 062	Sony	063
General Instruments	004, 005, 006, 033	Star Sight	073
.....	082, 083, 084, 085	Star Trak	048
Hitachi	072, 081	STS	008, 009, 010, 011
Hughes Satellite	069, 070, 072, 073, 078	Super Guide	049
Janeil	036	Toshiba	012, 064, 065, 071
Jerrold	037	Uniden	013, 051, 073
Kenwood	038	Video Cipher II	014
Luxor	039	Zenith	002, 003, 014, 027, 074, 075, 086
Magnavox	079		

Programming For Cable Box

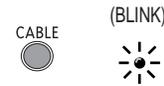
1. Manually turn on the Cable Box.

Find the three digit code for your Cable Box in the code list below

2. Press and hold the **CODE SEARCH** button until the **INDICATOR LIGHT** lights (about 4 secs.), then release the **CODE SEARCH** button.

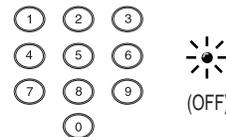


3. Press and release the **CABLE** button (The **INDICATOR LIGHT** will blink then remain lit)



4. Enter the code using the Number Buttons.

After your code is entered, the **INDICATOR LIGHT** will turn off. If the code is not valid, the **INDICATOR LIGHT** will blink. Check the code list and repeat process.

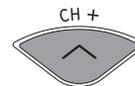


5. Aim the remote at your Cable Box and press the **ON*OFF** button. Your Cable Box should turn off.

Note: If your Cable Box does not respond, try all the codes for your brand. If the codes do not work, or your brand is not listed, try the Code Search method on page 19.



6. With your Cable Box on, press **CH+** (CHANNEL UP). If the Cable Box responds, no further programming is required.



7. Enter your code here for easy reference.

CABLE BOX CODE		

Cable Box Code List

ABC	001, 002, 003, 004, 005, 006, 007	NSC	002, 027
Allegro	064, 065	OAK	002, 016, 029
Americast.....	067	Panasonic.....	000, 048
Antronix.....	008, 009	Paragon	026
Archer	008, 009, 010, 011	Philips	011, 012, 013, 019, 025, 030, 031, 032
Cabletenna.....	008	Pioneer	033, 034, 038
Cableview	008	Pulsar	026
Century	011	Radio Shack.....	045
Citizen	011	RCA	000
Colour Voice	012, 013	Realistic	009
Comtronics	014, 015	Regal.....	022
Contec/Cony	016	Regency	017
Eastern	017	Rembrandt.....	003
Garrard.....	011	Runco	026
GC Electronics	009	Samsung	014, 034
Gemini	018, 019	Scientific Atlanta	006, 036, 037, 038
GE	089	Signal	014, 018
General Instrument	003, 049, 051, 053, 054	Signature	003
.....	058, 068, 069, 070, 071	SL Marx	014
Hamlin.....	020, 021, 022	Sprucer.....	000
Hitachi	003	Standard Components.....	039
Hytex	002	Starcom	001, 007, 018
Jasco	011	Stargate	014, 018
Jerrold	001, 003, 004, 005, 007, 018	Starsight.....	060
.....	024, 049, 050, 066, 068, 069	Star Sight Cable Service	047
Magnavox	025	Starquest	018
Memorex	026	Star Trak.....	056
Movie Time	002, 027		

Cable Box Code List Continued

Tandy	040	Viewstar.....	015, 025, 027, 040
Televue	014	Video Tech.....	090
Texscan.....	039	Zenith	026, 028, 043, 057, 059, 060
Tocom.....	004, 041, 053	.....	061, 062, 063, 064, 065, 067
Toshiba.....	026		
Tusa	018		
TV86	027		
Unika	008, 009, 011		
United Artists	002		
United Cable.....	001		
Universal	008, 009, 010, 011, 042		
Videoway.....	044		

Programming For Audio

This remote control will operate many features found in audio/video receivers and mini-systems. Other brands of receivers and mini-systems need to be set up under the **AUDIO** button prior to using the device. See page 13 for the list of **AUDIO** codes.

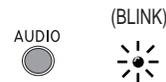
1. Manually turn on the device you wish to control.

Find the three digit code for your **AUDIO** system in the code list on the next page.

2. Press and hold the **CODE SEARCH** button until the **INDICATOR LIGHT** lights (about 4 seconds), then release the **CODE SEARCH** button.

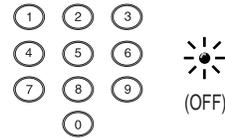


3. Press and release the **AUDIO** button (The **INDICATOR LIGHT** will blink then remain lit).



4. Enter the code using the Number Buttons.

After your code is entered, the **INDICATOR LIGHT** will turn off. If the code is not valid, the **INDICATOR LIGHT** will blink. Check the code list and repeat process.



5. Aim the remote at the device you wish to control and press the **ON/OFF** button. The device should turn off.



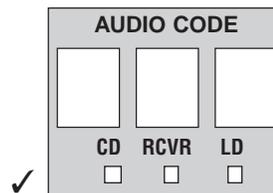
Note: If your device does not respond, try all the codes for your brand. If the codes do not work, or your brand is not listed, try the Code Search method on page 19.

6. With your device on, press **VOL+** (VOLUME UP). If it responds, no further programming is required.



7. Enter your code and the type of device you programmed here for easy reference.

Note: The CD codes need to be programmed using the Audio or Aux keys.



Audio Component Code List

Audio Receiver (Tuner)

Aiwa	179
Carver	165
Citizen	166
Denon	143, 157
Fisher	154, 161
Goldstar	106
Harmon Kardon	144, 158
JVC	130, 153, 159
Kenwood	023, 148, 156, 168, 172
NAD	061, 079
Magnavox	136, 154
Marantz	028, 164
Onkyo	145, 151, 152
Optimus	007, 087, 088, 089, 090
	091, 092, 094, 133
Panasonic	150, 155
Philips	154, 163, 164, 165

Pioneer	177
RCA	057, 112, 121, 135
Realistic	162
RS Original	046, 094, 133, 146
Sanyo	045
Scott	108
Sharp	011, 037, 149
Sherwood	046, 159
Sony	118, 138, 137, 138, 139
	173, 174, 175, 176
Teac	050, 147
Technics	131, 150, 155, 163
Venturer	085
Yamaha	141, 142, 178, 180, 181
Zenith	016, 070, 083, 089, 099
	105, 106, 124, 154

CD Player

ADC	000
Adcom	001, 054
Aiwa	002, 003
Akai	055, 077, 170
Audio Technica	005
California Audio Labs	056
Capetronic	009
Carver	006, 007, 008, 165
Casio	117
Citizen	166
Curtis Mathes	117
Denon	010
Emerson	001, 012, 013
Fisher	007, 015, 016, 017, 058
GE	065
Genexxa	012, 013, 018, 059
Goldstar	060
Harmon Kardon	020, 031
Hitachi	018
Inkel	021
JC Penney	030, 117
JVC	022, 153
Kenwood	023, 024, 025, 067, 068, 168
Krell	006
Kyocera	000
Luxman	026, 027, 069, 078
LXI, 012, 117	
Magnavox	006, 071, 140
Marantz	006, 028, 029, 072
MCS	030, 117
MGA	031
Mission	006
Mitsubishi	031, 032
NAD	061
Nakamichi	033, 034, 171
NEC	030

Nikko	005, 013, 016
NSM	006
Onkyo	035, 036, 062, 151
Optimus	007, 008, 012, 018, 024
	037, 038, 039, 040, 084
	087, 091
Panasonic	056, 073, 080
Philips	006, 071, 165
Pioneer	018, 041, 042, 059, 177
Proton	006
Quasar	056
RCA	001, 007, 012, 043, 063, 135
Realistic	001, 007, 009, 012, 013
	018, 029, 037, 039
Rotel	006
RS Originals	008, 046
SAE	006
Samsung	081
Sansui	006, 012, 044, 063, 074
Sanyo	007, 045, 058, 075, 082
Scott	001, 012, 013
Sears	012, 024, 029, 117
Sharp	024, 019, 029
Sherwood	021, 029, 038, 046
Shure	030
Sony	047, 048, 132, 134, 140
STS	000
Sylvania	006
Symphonic	049
Teac	016, 029, 039, 049, 050, 051
Technics	056, 073, 076, 160
Theta Digital	071
Toshiba	061
Victor	022
Yamaha	005, 052, 053, 064
Zenith	016, 070, 083, 099, 124

Operating Audio Functions

Note: Not all functions work for all brands. See page 13 for the Audio code list to operate your brand of equipment.

TURNING ON THE RECEIVER OR MINI-SYSTEM

Point the remote control at the receiver and press the **AUDIO** button. The receiver should turn on. In some cases, it may require pressing the **AUDIO** button and then the **ON•OFF** button to turn the system on.

SELECTING A DEVICE INPUT

Device inputs such as CD Player or Tape Deck may be selected depending on the features of your receiver or mini-system. Input selection may be made either by pressing the labeled digit button, or by pressing the **FUNCTION** button to toggle through the inputs available on your system.

Note: You may need to experiment with your system since manufacturers products do not all work the same way.

USING THE NUMBER BUTTONS TO CHANGE AUDIO INPUTS

To select a device, press the number button (1-6) that corresponds with the device you want to operate (CD, TAPE, TUNER, TV, VIDEO 1, & VIDEO 2).

USING THE FUNCTION BUTTON TO CHANGE AUDIO DEVICES

To select a device, press the **FUNCTION** button until the input you want to operate appears on your system.

OPERATING A CD PLAYER OR TAPE DECK

Use the Play, Forward, Reverse, Record, Stop, and Pause buttons for CD players and tape decks. In some cases, the Preset buttons (CH+/CH-) may work in changing tracks on CD players.

OPERATING THE AM/FM TUNER

1. Press the **AUDIO** button
2. Press the **TUNER (3)** button
3. Press the **AM/FM** button to toggle between AM and FM
4. Use the **Preset (CH+/CH-)** buttons to move up and down channel presets.

OPERATING A HOME THEATER SURROUND SOUND SYSTEM

With RCA receivers, a second press of the TV button should turn the receiver on.

1. Turn the TV on.
2. Press the **AUDIO** button.
3. Select the Audio input either by using the labeled number buttons or the **FUNCTION** button
4. Press the **VOL+** or **VOL-** buttons to control volume

Note: The Volume buttons may operate both TV and receiver volume at the same time. If this presents a problem, it may be resolved by disabling the TV speakers by going into the TV menu.

CONTROLLING THE SURROUND SOUND FEATURE

The Surround Sound feature may be turned ON/OFF by pressing the **SURR ON•OFF** button.

1. Press the **SURR MODE** button until the desired mode is found.
2. Press **DELAY+** or **DELAY-** to achieve the desired delay effect.
3. Press the **DSP ON•OFF** button to turn DSP (Digital Signal Processor) ON or OFF.
4. Press the **DSP** button until the desired effect is achieved.
5. Press the **TEST** button to listen to speaker levels.
6. Press **FRONT**, **CENTER**, or **REAR** buttons to select speakers.
7. Press the **LEVEL+** or **LEVEL-** buttons to adjust speaker levels.



Programming For AUX Button

You can assign any one of the following devices to the AUX button:

Audio Components (CD Player, Amplifier, Receiver, Tape Deck), Laser Disc Player or a second TV, VCR, DVD, DBS Satellite System or Cable Box.

1. Manually turn on the device you wish to control.

Find the three digit code for the device you wish to program in the code list.

Device	Page
TV	.5-6
VCR	.7-8
DVD	.9
DBS System	.10
Cable Box	.11-12
Audio	.13

2. Press and hold the **CODE SEARCH** button until the **INDICATOR LIGHT** lights (about 4 seconds), then release the **CODE SEARCH** button.

INDICATOR LIGHT



3. Press and release the **AUX** button (The **INDICATOR LIGHT** will blink then remain lit). Then press the button for the device you want to program (TV, VCR, DBS•SAT, DVD) (Press **CABLE** to add another Cable Box and press **AUDIO** for CD).

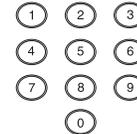


(BLINK)



4. Enter the code using the Number Buttons.

After your code is entered, the **INDICATOR LIGHT** will turn off. If the code is not valid, the **INDICATOR LIGHT** will blink. Check the code list and repeat process.



(OFF)

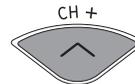
5. Aim the remote at the device you wish to control and press the **ON•OFF** button. The device should turn off.

ON•OFF



Note: If the device you have programmed does not respond, try all the codes for your brand. If the codes do not work, or your brand is not listed, try the Code Search method on page 19.

6. With your device on, press **CH+ (Channel UP)** or **ON•OFF** button. If the device responds, no further programming is required.



OR

ON•OFF



7. Enter your code and the type of device you programmed here for easy reference.

AUX CODE			
<input type="text"/>	<input type="text"/>	<input type="text"/>	
TV	VCR	CABLE	DBS
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CD	RCVR	LD	DVD
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Learning Function

The learning feature is used as a supplement to the standard preprogrammed library. The standard code library provides most of the functions needed, but you can add additional functions.

1. Place the RCA remote control unit and the Original remote control unit so that they face each other. They should not be any more than 2 inches apart.
2. Press and hold the **CODE SEARCH** button until the **INDICATOR LIGHT** lights, then release the **CODE SEARCH** button.
3. Press and release the desired Mode button (**TV**, **VCR**, **CABLE**, **AUX**, etc...). The **INDICATOR LIGHT** will blink, once button press is accepted.
4. Press and release the **LEARN** button.
5. Press and release the valid button to be learned on the RCA remote in which you will store a new function. The **L1**, **L2**, **L3**, **L4**, or other functions keys may be used in this programming mode.

NOTE: When learning the additional function buttons it is important to have the other remote in the same device mode as the RCA remote.

6. Press and hold the button on the original remote control until **INDICATOR LIGHT** on the RCA remote blinks. Once the **INDICATOR LIGHT** blink you may continue with the next function.

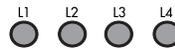
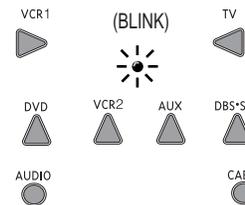
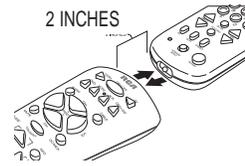
If there is an error in learning the new function the **INDICATOR LIGHT** will flash for 3 seconds but remain in the learning mode. Return to step 5 if the **INDICATOR LIGHT** flashed.

NOTE: Hold the function key on your original remote for at least 3 seconds for the command to be successfully learned.

7. Repeat steps 5 and 6 to store more functions.
8. Once the selected functions are stored press the **CODE SEARCH** button and the remote will return to original operation mode.

NOTE:

- It is not possible to edit a function once it has been learned. The function must be cleared of any previously learned commands before new learned command can be added.
- No functions may be stored under the **LEARN**, **SLEEP**, **CODE SEARCH** or any of the device button.



OR

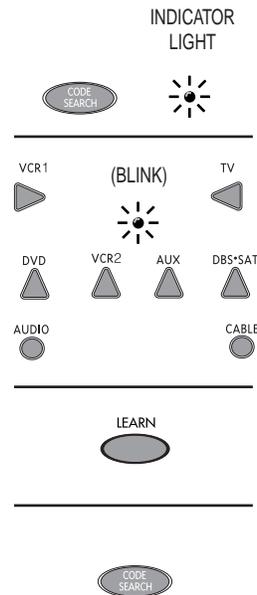
Any Other Function Keys



Clearing A Learned Button

To clear a learned button sequence, use the procedure below.

1. Press and hold the **CODE SEARCH** button until the **INDICATOR LIGHT** lights (about 4 seconds), then release the **CODE SEARCH** button.
2. Press and release the desired Mode button (**TV**, **VCR**, **CABLE**, **AUX**, etc...). The **INDICATOR LIGHT** will blink, once the button press is accepted.
3. Press and release the **LEARN** button twice. The **INDICATOR LIGHT** will blink, once the button press is accepted.
4. Press and release the **CODE SEARCH** button and the remote will return to original operation mode. All learned command functions under the device are now cleared.



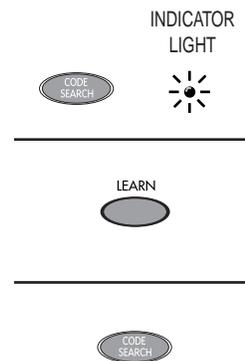
NOTE:

- It is not possible to edit a function once it has been learned. The function must be cleared of any previously learned commands before new learned command can be added.
- No functions may be stored under the LEARN, SLEEP, CODE SEARCH or any of the device button.

Clearing All Learned Functions

This procedure will erase all learned functions in every device mode. This step is recommended when attempting any learning of a new function from a new remote.

1. Press and hold the **CODE SEARCH** button until the **INDICATOR LIGHT** lights (about 4 seconds), then release the **CODE SEARCH** button.
2. Press and release the **LEARN** button twice. The **INDICATOR LIGHT** will blink, once the button press is accepted.
3. Press and release the **CODE SEARCH** button and the remote will return to original operation mode. All learned command entries are now cleared.



Sleep Function

The Sleep Function will turn off your TV automatically after the user programs the time interval from one (1) to ninety-nine (99) minutes.

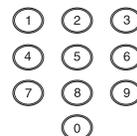
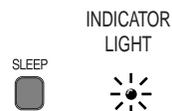
1. Press and hold the **SLEEP** button. (about 4 seconds)
The **INDICATOR LIGHT** will stay lit. Release the **SLEEP** button.
2. Enter time in minutes using the numerical key pad.
Indicator light will go off.
(Min: 1 minute/keypad entry 0-1)
(Max: 99 minutes/keypad entry 9-9)
3. Point the remote at television.

IMPORTANT: Sleep Feature will not work unless remote is aimed at television.

To Turn Off The Sleep Timer:

1. Sleep timer program will be cancelled and reset to zero by either of the following:

Press and hold **SLEEP** button until **INDICATOR LIGHT** blinks or press **ON•OFF** button, turning TV OFF.



Menu Function

The Menu Function is used to make changes in the selected settings such as setting color, channels, timer, etc. The MENU button invokes TV, VCR, DVD and DBS•SAT Modes. Each menu will vary from brand to brand.

Entering the Menu Mode:

1. Push the device button on the remote for the desired menu screen.
2. Push the Menu button.
This allows you to view the menu of the device chosen.
The menu should now be visible on your television.
3. While in Menu Mode these buttons will function as follows:

Navigation Left/Right buttons will operate as cursor right and left.

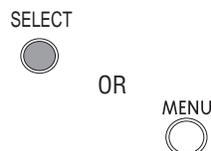
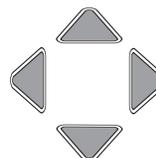
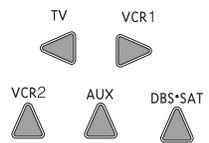
Navigation UP/DOWN buttons will operate as cursor up and down.

SELECT button applies the highlighted menu item.

Not all functions in competitive models and brands of televisions may be fully supported. Some brands with Menu function may allow you to push the Menu button to select the mode.

EXITING THE MENU MODE

To exit the Menu Mode and clear the screen, push the **CLEAR** button you have chosen on the remote. Some brands with Menu function may allow you to push the Menu button to exit the mode.



Programming With Code Search

If your TV, VCR, DBS Satellite System, Cable Box or Audio System does not respond after you have tried all the codes for your brand, or if your brand is not listed, try searching for your code by following the steps below.

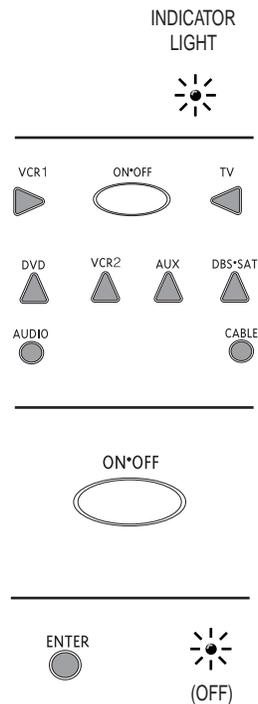
1. Manually turn on the device you wish to program.
2. Press and hold **CODE SEARCH** until the **INDICATOR LIGHT** lights, then release **CODE SEARCH**.
3. Press and release the device button for the device you are programming. The **INDICATOR LIGHT** will blink once, then remain lit.

Note: For Aux programming (when not a TV code) press **AUX** followed by the device button. Use **CABLE** button for programming **CABLE**.

4. Press and release **ON•OFF** until your device turns off.

Important: You may have to press ON•OFF up to 200 times.

5. When your device turns off, press **ENTER**, the **INDICATOR LIGHT** will turn off.



Identifying Codes From Your Universal Remote

If you need to find the three-digit code for your TV, VCR, DBS System, Cable Box or Audio System after your device is set-up use this procedure.

1. Press and hold **CODE SEARCH** until the **INDICATOR LIGHT** lights, then release **CODE SEARCH**.
 2. Press and release the device button for the code you are retrieving. The Indicator Light will blink once.
- Note: For AUX retrieving press **AUX** button followed by the device button.
3. Press and release **CODE SEARCH**. The **INDICATOR LIGHT** will turn off.
 4. Starting with **0** on the keypad, press the number buttons in order (**0-9**) until the **INDICATOR LIGHT** blinks.
 5. The number which causes the indicator light to blink is the first digit of your code.

6. Repeat step 4 until you have retrieved all three numbers in the code.

