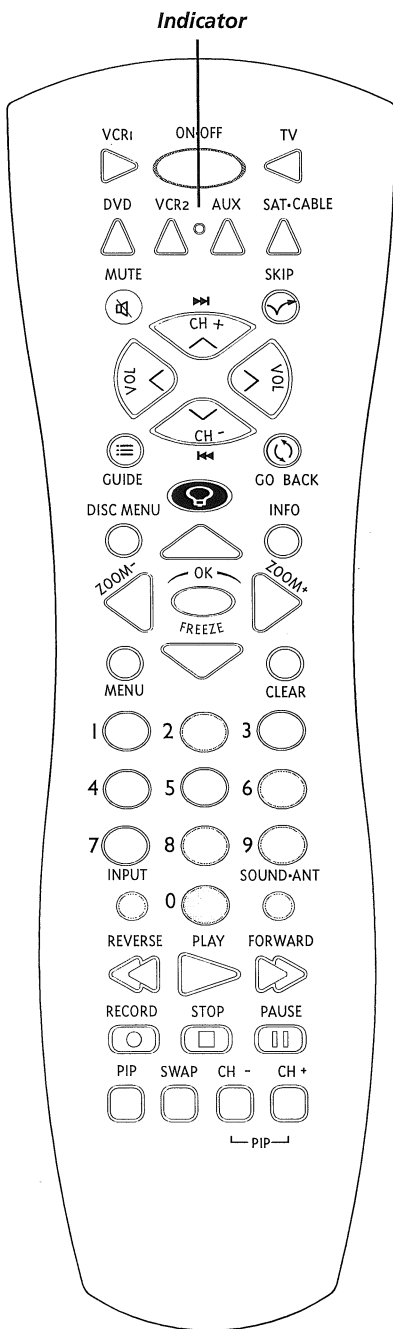


Chapter 2: Using the Remote Control



Note: The VCR1, DVD, VCR2, and SAT•CABLE buttons also turn on most RCA, GE, and Proscan products.

Tip

To turn off all the RCA, GE, and Proscan components that are connected to the TV, press ON•OFF twice within two seconds.

This feature only works with most RCA, GE, and Proscan products.

The Buttons on the Remote Control

(0-9) Number Buttons Enter channel numbers and time settings directly through the remote control.

To enter a one-digit channel, enter a zero first. To enter a two-digit channel, press the two digits. To enter a three-digit channel, press and hold the "1" button until "1" and two dashes (- -) appear, then add the second two digits. Example: to tune to channel 123, press and hold 1 until "1- -" appears, release the 1 button and then press 2 and 3.

Arrows Used to point to different items in the TV or DVD menu and to adjust the menu controls. Moves the PIP window when no menus are on the screen. Also switches the two POP windows when no menus are on the screen. For Zoom use, go to next page.

AUX Puts the remote in AUX mode. Can also be programmed to operate most brands of an additional remote-controllable component.

Backlight Lights up some of the buttons in the dark.

CH + or CH - In TV mode, scans up or down through the current channel list. Press once to change the channel up or down; press and hold to continue changing channels. In DVD mode while a disc is playing, CH+ advances to the next chapter; CH- goes to the preceding chapter.

CH+ or CH- PIP When using PIP or POP, changes the channel in the picture window.

CLEAR Removes any menu or display from the screen and returns you to normal viewing.

DISC MENU In DVD mode while a disc is playing, brings up the DVD Disc menu.

DVD Turns on the DVD and puts the remote in DVD mode. Also displays current DVD status.

FORWARD In DVD mode, advances the disc forward.

FREEZE When watching TV, freezes the picture until you press another button to resume normal TV viewing.

Note: Do not use the Freeze feature for an extended period of time. This can cause the image to be permanently imprinted on the picture tube. Such damage is not covered by your warranty. Press any button to unfreeze the picture at any time.

GO BACK In TV mode, returns you to the previous channel. In DVD mode, returns to the previous screen.

GUIDE In TV mode, brings up the Channel Guide menu. In DVD mode, brings up DVD guide, if available.

INDICATOR Indicates the programming mode when programming the remote to control components.

INFO In TV mode, brings up TV status display; press again to clear the screen. In DVD mode, brings up the Info Display.

INPUT Press to toggle through the available input sources (VID1, VID2, FRNT, CMP1, CMP2 and DVI. Press the CH+ or CH- button to resume TV viewing).

MENU In TV mode, brings up the TV Main menu. In DVD mode, brings up a reduced TV Menu.

MUTE Reduces the TV's volume to its minimum level. Press again to restore the volume.

OK/FREEZE When in the menu system, selects highlighted items. When watching TV, freezes the picture until you press another button to resume normal TV viewing.

ON•OFF When in TV mode, turns the TV on and off. If in another device mode (VCR, DVD, SAT•CABLE, etc.) and programmed, will turn the device on and off.

PAUSE In DVD mode, pauses the disc.

PIP Press once to bring up the small picture-in-picture window. Press again to bring up the picture-outside-picture (POP) windows. Press to remove POP. (See Chapter 4 for more information about using PIP.)

PLAY In DVD mode, plays the disc.

RECORD If your TV/DVD is connected to a VCR, records TV programs .

REVERSE In DVD mode, goes backward on a disc.

SAT•CABLE Puts the remote in SAT•CABLE mode and, if Autotuning is enabled, will turn on the TV and tune to the correct input channel.

SKIP Press once before changing channels and the TV will wait 30 seconds before returning you to the original channel. Press repeatedly to add more time.

SOUND•ANT In TV mode, displays the Picture and Sound preset settings at the bottom of the TV. In DVD mode while a disc is playing, displays the DVD Info Display with the Audio icon highlighted.

STOP In DVD mode, stops playing the disc. Press and hold for 3 seconds to open the disc tray.

SWAP When using PIP, swaps the main picture with the PIP window. When using POP, swaps the left and right pictures.

TV Turns on the TV and puts the remote in TV mode. Also displays current status.

VCR1 Puts the remote in VCR1 mode and, if Autotuning is enabled, will turn on the TV and tune to the correct input channel.

VCR2 Puts the remote in VCR2 mode and, if Autotuning is enabled, will turn on the TV and tune to the correct input channel.

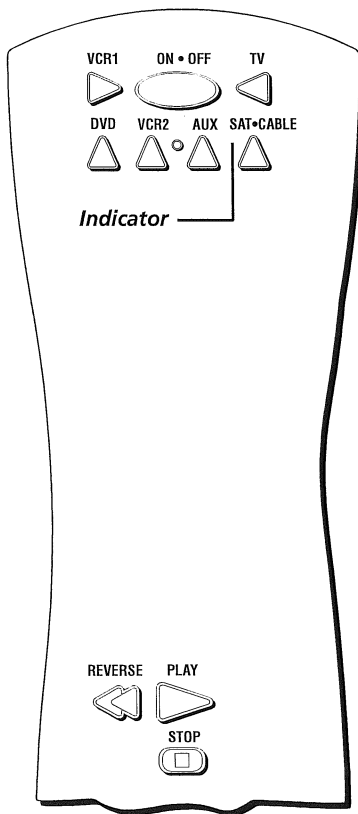
VOL - or VOL + Decreases or increases the TV's volume.

ZOOM+ or ZOOM- When watching TV, changes the current format of the screen (4x3, Zoom 14/9, Zoom 16/9, Zoom 16/9 \wedge /v, Cinerama, regular mode 16/9). In DVD mode while playing a 4:3 disc, use the Zoom buttons in the reduced TV menu to change the Zoom mode.

Using the INPUT Button

Use the INPUT button to scroll through the available input channels and view components you have connected to the TV.

1. Press TV to place the remote in TV mode. Make sure the component you want to view is turned ON.
2. Press INPUT to tune to an available input channel.
3. To return to the channel you were previously watching on TV, press CH+ or CH- button.



You'll use these buttons when you program the remote.

Important: The remote may not be compatible with all models of all brands of components. It also may not operate all functions of the remote that came with your component.

Tip

To stop the automatic code search without programming any components, press and hold CLEAR until the indicator on the remote turns off.

Programming the Remote to Operate Other Components

The universal remote can be programmed to operate most brands of remote controllable components. The remote is already programmed to operate most RCA, GE, and Proscan components.

Also, the AUX button can be programmed to operate most brands of an additional remote-controllable component.

Note: The TV button can't be programmed on this remote.

Find Out If You Need to Program the Remote

To determine whether the universal remote needs to be programmed for your component, turn the component ON. For example, to program the remote for a VCR, turn on the VCR. Point the remote at the VCR, and press the VCR1 button. Then press ON•OFF or CH + (channel up) or CH - (channel down) to see if the VCR responds to the remote commands. If the component does not respond, the remote needs to be programmed.

Programming the Remote

There are two ways to program the remote control:

- automatic code search
- direct entry

Using Automatic Code Search

The following instructions can be used to program the remote to operate each of your components. If you want to stop the automatic code search without programming any of your components, press CLEAR until the indicator on the remote turns off.

1. Turn on the component you want to operate (VCR, DVD player, etc.)
2. Press and hold the component button you want to program (VCR1, DVD, etc.). While holding the component button, press and hold ON•OFF until the indicator on the remote turns on, then release both buttons.
3. Point the remote at the component. Press and release PLAY, then wait 5 seconds or until the indicator on the remote stops flashing.

At this point the remote is searching for the correct code to program. If, after 5 seconds, the component you want to operate does not turn off, press PLAY again to tell the remote to search the next set of codes.

Continue pressing PLAY until the component turns off or you have searched through all of the codes. There are 20 total sets of codes. If the component does not turn off after pressing PLAY 20 times, then the remote can't be programmed to operate that component.

If the component you want to control *does* turn off:

1. Press and release REVERSE, then wait 2 seconds. Repeat this step until the device turns back ON.
2. To finish, press and hold STOP until the indicator on the remote turns off.

Using the Remote Control

Important

You must continue pressing the component button while you enter the code.

Let's say you have a Zenith VCR. To program the universal remote to operate the VCR, you would:

Press and hold the VCR1 button while you enter the first code listed for Zenith in the VCR Codes column.

Release the VCR1 button. Press ON•OFF to see if the VCR responds. If it doesn't, follow the same steps, but enter the second code for Zenith VCRs instead of the first.

Note

Some of the remote's buttons might operate differently for other components, especially when you're using another component's menu system.

Using Direct Entry

1. Turn on the component to be programmed.
2. Look up the brand and code number(s) for the component on the code list in this section.
3. Point the remote at the component.
4. Press and hold the component button you want to program on the remote.
5. Enter the 4-digit code from the remote control code list on the following pages. If the indicator flashes, you have either entered an invalid code or the button isn't programmable.
6. Release the component button, and then press ON•OFF to see if the component responds to the command. If it doesn't, try pressing the component button and then ON•OFF again.
 - If you get no response, repeat these steps using the next code listed for your brand, until the component responds to the remote commands.
 - If you try all the codes for your component brand and none work, try the automatic code search method. If automatic code search doesn't find the code, the remote is not compatible with your component.

How to Use the Remote After You've Programmed It

Because this universal remote can control several different components (TV, DVD, VCR, satellite receiver, etc.) it uses operational modes triggered by the component buttons. For example, if you want the remote to control the TV, you would press the TV button to put the remote into TV mode before you could control the TV.

1. Press the appropriate component button (DVD, TV, VCR1, VCR2, SAT•CABLE, AUX) to set the remote to control the component.
2. Press ON•OFF to turn the component ON or OFF.
3. Use the remote buttons that apply to that component.

Notes: The remote may not be compatible with all brands and models of components. It also may not operate all functions of the remote that came with your component.

If you keep pressing buttons and nothing happens, the remote is probably in the wrong mode. You must press the component button that matches the component you want to operate (i.e., if you want to operate the VCR, press VCR1 on the remote control to put the remote in VCR mode.)

Remote Control Codes

VCR Codes

Programmable for VCR1, VCR2, and AUX buttons.

Admiral	2132	DBX	2009, 2010	LXI	2014
Adventura	2026	Dimensia	2000, 2131	Magnavox	2021, 2022, 2062,
Aiko	2027	Dynatech	2026	..... 2063, 2104, 2105, 2108, 2124	
Aiwa	2026	Electrohome	2014, 2029	Magnin	2013
Akai	2003, 2004, 2005, 2007, 2008, 2111, 2112, 2113	Electrophonic	2014	Marantz	2009, 2010, 2011, 2016, 2018, 2021, 2062,
American High	2021	Emerson	2012, 2014, 2015, 2021, 2024, 2025,	..... 2064	
Asha	2013	..... 2026, 2029, 2030, 2031, 2032, 2033, 2034, 2035,		Marta	2014
Audio Dynamics	2009, 2010	..... 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2044,		Masushita	2021
Audiovox	2014	..... 2045, 2046, 2047, 2065, 2113,		Mei	2021
Bell & Howell	2011	..... 2116, 2117, 2130		Memorex	2011, 2013, 2014, 2021, 2023, 2026, 2104,
Beaumarck	2013	Fisher	2011, 2023, 2048, 2049, 2050, 2051, 2052, 2118	..... 2132	
Broksonic	2012, 2025	Fuji	2021, 2119	MGA	2029, 2065, 2113
Calix	2014	Funai	2026	MGN Technology	2016
Candle	2013, 2014, 2015, 2016,	Garrard	2026	Midland	2053
..... 2017, 2018, 2019		GE	2000, 2001, 2013,	Minolta	2055, 2056, 2107
Canon	2021, 2022, 2114	..... 2021, 2022, 2053, 2115, 2120, 2131		Mitsubishi ..	2029, 2055, 2056, 2065, 2066, 2067, 2068,
Capehart	2020, 2110	Goldstar	2009, 2014, 2018, 2054	..... 2068, 2070, 2071, 2072, 2073, 2074, 2106, 2113, 2123	
Carver	2062	Gradiente	2026	Montgomery Ward	2075, 2132
CCE	2027, 2061	Harley Davidson	2026	Motorola	2021, 2132
Citizen	2013, 2014,	Harman Kardon	2009	MTC	2013, 2126
..... 2015, 2016, 2017, 2018, 2019, 2027		Harwood	2061	Multitech	2013, 2016, 2026, 2053, 2061
Colortyme	2009	Headquarter	2011	NEC	2009, 2010, 2011, 2016, 2018,
Colt	2061	Hitachi	2055, 2056,	..... 2064, 2076, 2078, 2079, 2111, 2123	
Craig	2061	..... 2057, 2107, 2111, 2120, 2122		Nikko	2014
Curtis-Mathes	2000, 2009, 2013,	Hi-Q	2023	Noblex	2013
..... 2016, 2018, 2021, 2022, 2024, 2115, 2131		Instant Replay	2021	Olympus	2021
Cybernex	2013	JCL	2021	Optimus	2014, 2132
Daewoo	2015, 2017, 2019, 2025, 2026, 2027, 2028, 2110	JC Penney	2009, 2010, 2011, 2013,	Optonica	2096
Daytron	2110	..... 2014, 2021, 2022, 2055, 2056,		Panasonic	2021, 2022, 2109, 2125, 2126, 2127
		..... 2058, 2059, 2060, 2107, 2118		Pentax	2016, 2055, 2056, 2107, 2120
		Jensen	2055, 2056, 2111	Pentax Research	2018
		JVC	2009, 2010, 2011, 2018, 2111, 2123	Philco	2021, 2022, 2062, 2063
		Kenwood	2009, 2010, 2011, 2016, 2018, 2111, 2123	Philips	2021, 2062, 2096, 2124
		KIH	2061	Pilot	2014
		Kodak	2014, 2021	Pioneer	2010, 2055, 2080, 2081, 2123
		Lloyd	2026	Portland	2016, 2017, 2019, 2110
		Logik	2061	Proscan	2000, 2001, 2131

VCR Codes continued

Protec	2061
Pulsar	2104
Quarter	2011
Quartz	2011
Quasar	2021, 2022, 2125
RCA	2000, 2001, 2003, 2013, 2021, 2055, 2056, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2107, 2115, 2120, 2125, 2131, 2133
Radioshack/Realistic	2011, 2013, 2014, 2021, 2022, 2023, 2026, 2029, 2049, 2050, 2096, 2132
Radix	2014
Randex	2014
Ricoh	2128
Runco	2104
Samsung	2005, 2013, 2015, 2033, 2053, 2112
Sanky	2104, 2132
Sansui	2010, 2092, 2111, 2123
Sanyo	2011, 2013, 2023
Scott	2012, 2015, 2025, 2032, 2038, 2065, 2093, 2116
Sears	2011, 2014, 2021, 2023, 2048, 2049, 2050, 2051, 2055, 2056, 2107, 2118
Sharp	2017, 2029, 2094, 2095, 2096, 2097, 2132
Shintom	2004, 2056, 2061, 2098
Shogun	2013
Signature	2132
Singer	2021, 2061, 2128
Sony	2004, 2098, 2099, 2119
STS	2021, 2107
Sylvania	2021, 2022, 2026, 2062, 2063, 2065, 2124
Symphonic	2026
Tandy	2011
Tashiko	2014
Tatung	2111
TEAC	2026, 2085, 2111
Technics	2021, 2109
Teknika	2014, 2021, 2026, 2100, 2129
TMK	2013, 2024, 2047
Toshiba	2015, 2049, 2051, 2055, 2065, 2093, 2116
Totevision	2013, 2014
Unitech	2013
Vector Research	2009, 2010, 2015, 2016
Victor	2010
Video Concepts	2009, 2010, 2015, 2016, 2113
Videosonic	2013
Wards	2013, 2014, 2015, 2021, 2023, 2026, 2029, 2055, 2056, 2061, 2096, 2101, 2102, 2103, 2107, 2116, 2132
XR-1000	2021, 2026, 2061
Yamaha	2009, 2010, 2011, 2018, 2111
Zenith	2004, 2098, 2104, 2119, 2128

Satellite Receiver Codes

Programmable for SAT•CABLE and AUX buttons.

Alphastar	5079
Chapparral	5056, 5057
Dishnet	5078
Drake	5058, 5059
Echostar	5089
GE	5000, 5001
General Instruments	5060, 5061, 5062
Hitachi	5083, 5084
Hughes	5077, 5090
JVC	5082
Panasonic	5075
Philips	5085
Primestar	5076
Proscan	5000, 5001
RCA	5000, 5001, 5071, 5080, 5081
Realistic	5063
Sony	5072
STS1	5064
STS2	5065
STS3	5066
STS4	5067
Toshiba	5068, 5073
Uniden	5069, 5086

Cable Box Codes

Programmable for SAT•CABLE and AUX buttons.

ABC	5002, 5003, 5004, 5006, 5053
Antronix	5008, 5009
Archer	5008, 5009, 5010
Cabletenna	5008
Cableview	5008
Colour Voice	5012, 5013
Comtronics	5014
Contec	5016
Eastern	5017
GC Electronics	5009
GE	5000, 5001
Gemini	5018, 5019
General Instrument	5003
Hamlin	5020, 5021, 5022, 5028, 5035, 5045
Hitachi	5003
Jerrold	5003, 5018, 5023, 5024, 5046, 5053
Magnavox	5025
Memorex	5026
Movie Time	5027
NEC	5005
NSC	5027
Oak	5016, 5029
Panasonic	5048, 5052
Philips	5011, 5012, 5013, 5015, 5019, 5025, 5030, 5031, 5032
Pioneer	5033, 5034
Proscan	5000, 5001
RCA	5007, 5047, 5049, 5052
Realistic	5009
Regal	5022, 5035
Regency	5017
Rembrandt	5003
Samsung	5034
Scientific Atlanta	5006, 5036, 5037, 5038
Signal	5018
Signature	5003
Sprucer	5052
Standard Components	5039, 5044
Starcom	5018, 5053
Stargate	5018
Starquest	5018
Tocom	5004, 5023
Tusa	5018
TV86	5027
Unika	5008, 5009
United Cable	5053
Universal	5008, 5009, 5010
Viewstar	5025, 5027
Zenith	5050, 5051

DVD codes

Programmable for the AUX button.

Aiwa	3009
GE	3000
Hitachi	3008
JVC	3002, 3010
Konka	3011, 3012
Magnavox	3003
Mitsubishi	3004
Panasonic	3013
Philips	3003, 3019, 3021, 3022
Pioneer	3005
Proscan	3000
RCA	3000, 3001
Sanyo	3014
Sony	3006, 3015, 3016
Toshiba	3007, 3017, 3020
Zenith	3018

Audio Codes

Programmable for the AUX button only.

RCA and Dimensia

AM/FM	4003, 4270
AUX	4004
Phono	4005
Tape	4006
CD	4007, 4190, 4211

Receivers

Aiwa	4261, 4262, 4263, 4264, 4265, 4266, 4267, 4277
Denon	4283
Harman Kardon	4276
JVC	4268
JVL	4276
Kenwood	4269
Onkyo	4278
Optimus	4284
Panasonic	4279, 4280
Pioneer	4275
RCA	4270
Sherwood	4282
Sony	4271, 4272, 4281
Technics	4279, 4280
Wards	4275
Yamaha	4274, 4275

CD Players

ADC	4200, 4201, 4220
Aiwa	4175, 4203
Akai	4205
Denon	4208
Dynatech	4177
Emerson	4178
Fisher	4179, 4212, 4213
GE	4216
Hitachi	4180
JVC	4181, 4221
Kenwood	4183, 4222, 4224
Luxman	4225
Marantz	4185, 4226
Mitsubishi	4229, 4230
MCS	4228
Nakamichi	4232, 4233
NEC	4184
Onkyo	4186, 4234, 4235
Optimus	4237, 4238, 4239
Panasonic	4188
Pioneer	4189, 4240
RCA	4190, 4211
Sanyo	4250
Sears	4207
Sherwood	4243
Sony	4195, 4209, 4244
Teac	4245, 4246, 4247
Technics	4197
Toshiba	4231
Yamaha	4198, 4199, 4248