

Chapter 2: Using the Remote Control

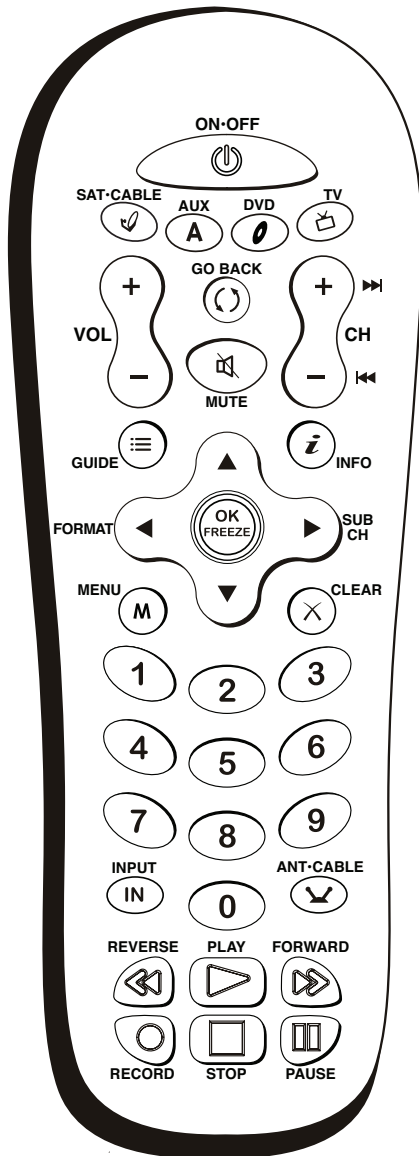
Chapter Overview:

- The Buttons on the Remote Control
- Programming the Remote to Operate Other Devices
- How To Use the Remote After You've Programmed It
- Volume Punchthrough Feature
- Using the INPUT Button
- Remote Code List



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The Buttons on the Remote Control



(0-9) Number Buttons Enter channel numbers and time settings. Also used in the TV menu to make selections. **Analog inputs:** 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. **Digital inputs:** Enter the channel number, press the right arrow button and enter the subchannel numbers. Press OK.

ANT•CABLE In TV mode, this button switches between Antenna and Cable Input. When tuned to an input, press to go back to the most recently used tuner (Antenna or Cable Input).

Arrows (up, down, left, right) Used to move through the on-screen menus. The right arrow (Zoom+) and left arrow (Zoom-) buttons on the remote change the TV's screen format (when no menus are on screen).

AUX Places the remote in auxiliary mode to operate a device (such as a cable box, satellite receiver, VCR or DVD player etc.) you've programmed to work with this button. If Auto Tuning is enabled, pressing the AUX button turns on the TV and tunes to the corresponding Video Input Channel for RCA devices. AUX by default is programmed for an RCA VCR. This button lights when you press a valid button in AUX mode (see *Modes of Operation* on page 25 for more details).

CH + or CH - Scrolls up or down through the channel or input list. Press once to change the channel up or down; press and hold to continue changing channels. In DVD mode (if programmed), these buttons work as chapter advance or chapter reverse buttons with some DVD players.

CLEAR Removes any menu or display from the screen.

DVD Places the remote in DVD mode. If Auto Tuning is enabled, pressing the DVD button turns on the TV and tunes to the corresponding Video Input Channel for RCA devices. This button lights when you press a valid button in DVD mode (see *Modes of Operation* on page 25 for more details).

FORMAT Changes the current video screen format. Format control is not available for digital 16:9 broadcasts.

FREEZE Freezes the entire screen. When watching TV, freezes the picture until you press any button on the remote to resume normal TV viewing. The FREEZE feature automatically times out after a short time. Please note that when you "unfreeze" you go back to live programming (skipping any programming that occurred during the freeze).

Note: The FREEZE feature does not work on signals from the DVI-HDTV, CMP1, or CMP2 inputs in progressive scan (480p) or HDTV (1080i) modes. It also does not work on digital channels.

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 Returns you to the previous channel.

GUIDE Displays the *Channel Guide* menu.

INFO Displays the Channel Banner with channel and viewing information. Press again to remove the banner.

Using the Remote Control

INPUT Press to toggle through the available input sources (VID1, VID2, FRNT, CMP1, CMP2 and DVI).

MENU Displays and clears the *Main Menu*.

Note: If you've just turned on the TV, the digital input takes some time to become available (usually about 25 seconds). While it's getting ready, you won't see the items related to the digital input in the menus. These items will show up once the digital tuner is ready.

MUTE Reduces the TV's volume to its minimum level. Press again to restore the volume. To program this button to work with devices connected to your audio system, follow the instructions in the *Volume Punchthrough Feature* section on page 26.

OK When a menu item is highlighted, press OK to select the item.

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

REVERSE, PLAY, FORWARD, RECORD, STOP, PAUSE If programmed, provides transport control for some remote-controllable VCRs, DVRs, CD and DVD players etc.

Important: The RECORD button has a safety feature that requires you to press it twice.

SAT•CABLE (Satellite•Cable) Places the remote in SAT/CABLE box mode. If Auto Tuning is enabled, turns on the TV and tunes to the satellite or cable box Video Input Channel for RCA devices. This button lights when you press a valid button in SAT•CABLE mode (see *Modes of Operation* on page 25 for more details).

SUB CH (Subchannel) When entering a digital channel that has a subchannel, press this button to access the subchannel entry field. Enter the subchannel and press OK to tune to the channel.

TV Places the remote in TV mode. Turns on the TV and tunes to the last-viewed TV channel or input. This button lights when you press a valid button in TV mode (see *Modes of Operation* on page 25 for more details).

VOL – or VOL + Decreases or increases the TV's volume. To program this button to work with devices connected to your audio system, follow the instructions in the *Volume Punchthrough Feature* section on page 26.

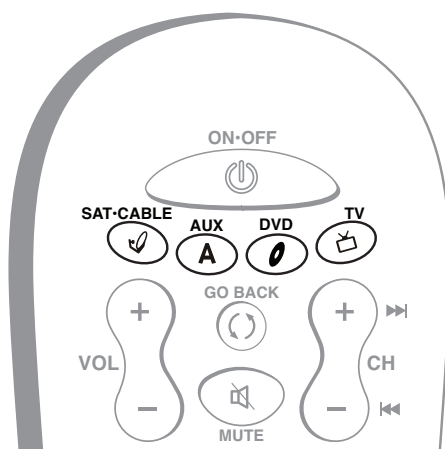
Tip

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

This feature works with most RCA products.

Note:

The SAT•CABLE, AUX and DVD buttons operate most RCA products.



Device Buttons

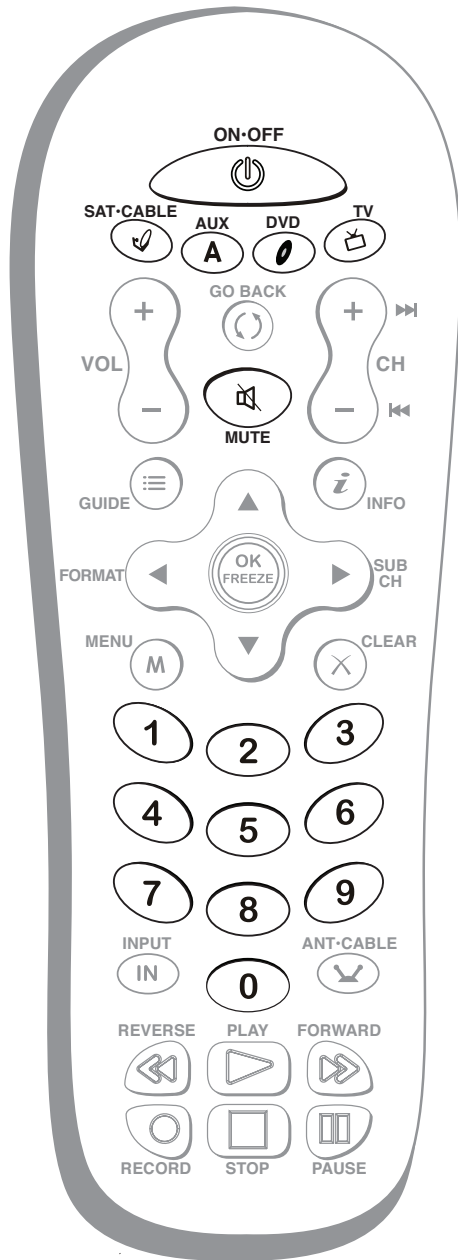
Programming the Remote to Operate Other Devices

The universal remote can be programmed to operate many brands of remote-controllable VCRs, audio devices, DVD players, cable boxes, satellite receivers and other devices. In addition to being programmed to operate your television, it's already programmed to operate most RCA devices.

Note: The TV button can't be programmed on this remote to control any device; it controls only this TV.

Continues on next page...

Using the Remote Control



You'll use these buttons for Direct Entry.

Important: The remote may not be compatible with all models of all brands of devices. It also may not operate all functions of your device.

Find Out If You Need to Program the Remote

To determine whether the universal remote needs to be programmed to operate one of the devices connected to your TV, such as a DVD player, do the following:

1. Turn on the device (in this example, a DVD player).
2. Point the remote at the device.
3. Press the corresponding device button (in this example, DVD).
4. Press ON•OFF to see if the DVD player responds. If the DVD player doesn't respond, you need to program the remote to operate it.

Programming the Remote

There are three ways to program the remote control to operate other devices: *Direct Entry*, *Manual Code Search* and *Automatic Code Search*. If you have recently purchased the device you want to control or if the device has many codes, you might want to try the manual code search first. The codes in the code list at the end of this chapter are programmable for any of these device buttons (SAT•CABLE, AUX or DVD) on the TV's remote.

Using Direct Entry

1. Turn on the device you want to control.
2. Look up the brand and code number(s) for the device on the code list at the end of this section.
3. On your remote control, simultaneously press and hold the ON•OFF and MUTE buttons (approximately 3 seconds) until a device button remains lit. Then release the buttons.
4. Press and release the device button (SAT•CABLE, AUX or DVD) you want to program.
5. Enter a three digit code from the code list.
6. To test the code you've programmed for that device button, point the remote at the device and then press ON•OFF to see if the device responds to the remote control.

If the device turns off, you've entered the correct programming code for your device. (You might want to circle the code for future reference). If the device doesn't turn off, repeat these steps until you've tested all codes for your device's brand or try to run a manual code search.

Using Manual Code Search

Note: Try the direct entry method first, or if you want the AUX button to operate your DVR, for example, enter the first code from the DVR code list. (You save time by telling the remote what type of device you want to program). Now proceed with the following steps.

1. Turn on the device you want to control.
2. On your remote control, simultaneously press and hold the ON•OFF and MUTE buttons (approximately 3 seconds) until a device button remains lit. Then release the buttons.

3. Press and release the device button (SAT•CABLE, AUX or DVD) you want to program.
4. Repeatedly press and release the ON•OFF button, watching for the device to respond. If it does turn off, press and release the OK button within 3 seconds to save the code. If you accidentally passed the code before saving it, press the left arrow button to backtrack through the codes; then use the right arrow button to go forward through the codes again.

When all codes have been searched, the device button flashes 3 times, then the remote exits manual code search and returns to normal operation.

Using Automatic Code Search

1. Turn on the device you want to control.
2. On your remote control, simultaneously press and hold ON•OFF and MUTE (approximately 3 seconds) until a device button remains lit. Then release the buttons.
3. Press and release the device button you want to program.
4. Press and release the ON•OFF button once. There is a delay of approximately 6 seconds before the remote starts the code search.

The device buttons blinks each time the remote control sends a code to test for your device. Keep pointing the remote at the device.

5. Once the device turns off, quickly press the OK button to save the code.
6. If you accidentally passed the code before saving it, press the left arrow button to backtrack through the codes; then use the right arrow button to go forward through the codes again.

When all codes have been searched, the device button flashes 3 times, then the remote exits automatic code search and returns to normal operation.

How to Use the Remote After You've Programmed It

Once the remote has been programmed successfully, you are ready to use it to operate your devices.

To Operate the Device:

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

Notes: *The remote control may not be compatible with all brands and models of devices.*

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

Modes of Operation

Because this universal remote can control several different devices (DVD player, VCR, cable box, etc.) it uses operational modes triggered by the device buttons. For example, if you want the remote control to operate the TV, press the TV button to put the remote into TV mode. If you want the remote to operate the DVD player, press the DVD button.

The button corresponding to the mode the remote is in lights up when you press any button that works in that mode. For example, if you're in TV mode and you press the VOL+ button, the TV button lights up. This tells you that the command to increase the volume is being sent to the TV (and not the satellite receiver, for example).

Using the Remote Control

Volume Punchthrough Feature

You may find this feature helpful if you've connected an audio/video receiver (A/V receiver) or amplifier, and you want to use the TV's remote control to operate the volume for a device that is connected to the audio/video receiver. An example follows:

Let's say you've connected your DVD player to your audio/video receiver. You've also programmed your TV remote control to operate your DVD player. Since the DVD player sends its volume through the audio/video receiver, you would have to bounce back and forth between two remote controls: the A/V receiver's remote to adjust the volume and the TV's remote control to operate the DVD player.

The Volume Punchthrough feature eliminates the need for you to use two remote controls and saves a button press when you're using the TV remote to adjust the volume. In effect, you are telling the TV remote to retrieve and send volume commands from the A/V receiver whenever the TV remote is in DVD mode.

Therefore, after you've successfully set up the Volume Punchthrough feature, whenever the TV remote is in DVD mode (press the DVD button) and you want to adjust the volume, you only have to press the VOL +, VOL- or MUTE buttons. Follow the instructions below to set up Volume Punchthrough.

IMPORTANT: First, you must program a device button (SAT•CABLE, DVD, AUX) on the TV's remote control to operate your audio receiver or amplifier. Go to page 24 for instructions. If you can't program this remote to operate your audio receiver, Volume Punchthrough won't work.

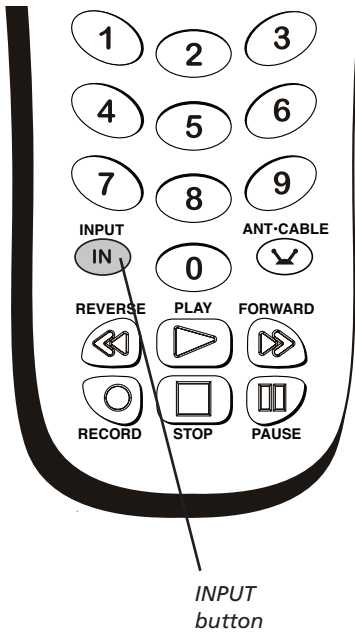
While setting up Volume Punchthrough, it's best to point the remote away from other devices.

1. On your remote control, simultaneously press and hold the ON•OFF and MUTE buttons (approximately 3 seconds) until a device button remains lit. Then release the buttons.
2. Press and hold the MUTE button until the device button blinks off, then release the MUTE button.
3. Press and release the device button that you programmed to operate the audio device (receiver or amplifier).
4. Press and release the MUTE button.
5. Now, test it by turning on your audio system.
6. Turn on the device that is connected to the audio system (a satellite receiver, for example).
7. Put the TV's remote in SAT mode by pressing the SAT•CABLE button.
8. The volume from the audio system should increase or decrease when you press the VOL+ or VOL- buttons.

Deleting ALL Volume Punchthrough Commands

To delete all programmed Volume Punchthrough settings and return the remote control back to the factory defaults:

1. Simultaneously press and hold the ON•OFF and MUTE buttons (approximately 3 seconds) until a device button lights.
2. Release the ON•OFF and MUTE buttons (the device button stays lit).
3. Press and hold the MUTE button (approximately 3 seconds) until the device button blinks off, then release the MUTE button.
4. Press and release the MUTE button (the device button light turns off).
5. The remote returns to normal operation and Volume/Mute control.



Using the INPUT Button

1. Repeatedly press the INPUT button to scroll through the available input sources until you find the input associated with the device (such as a DVD player or cable box) you want to view.
2. Once you find the input source you want, stop pressing INPUT.
 - If you tune to VID1 and your DVD player is connected to that input, you will be able to view your DVD player. To play, stop, or rewind the DVD using the remote that came with your TV, you must first press the (device button) SAT•CABLE, DVD or AUX button (whichever one is programmed to the DVD player) to put the remote control in DVD mode.

There are other ways of selecting a Video Input Channel:

- Program the device buttons (DVD, SAT•CABLE etc.) on the remote control to automatically tune to the corresponding Video Input Channel when pressed. For more details on Auto Tuning, see Chapter 3.
- When viewing an input, press ANT•CABLE, GO BACK or INPUT to go back to viewing channels or use the number buttons to enter the channel number.

Remote Code List

The codes below are programmable for any of these device buttons (SAT•CABLE, AUX or DVD) on the TV's remote.

Audio Codes

AIWA	839 842 851 860	SANYO	705	COLOR VOICE	472 473
APEX	436	SCOTT	768	COMCAST	511
BOSE	672	SHARP	671 684 809	COMTRONICS	474 475
CARVER	825	SHERWOOD	706 806 858 859	CONTEC	476
CITIZEN	826	SKYFI	725	DIGITAL MUSIC EXPRESS	514
CRITERION	448	SONY	323 778 779 785 797 798	EASTERN	477
DENON	803 817 852	.....	799 833 834 835 836 843 909	EVERQUEST	474
DELPHI	708	TAO	725	GARRARD	471
FISHER	814 821	TEAC	710 807 855 856 857	GC ELECTRONICS	469
GOLDSTAR	766	TECHNICS	791 810 815 823 863 864	GEMINI	536 479
HARMAN KARDON	804 818	TEVION	448	GE	549
JVC	790 813 819	VENTURER	745	GENERAL INSTRUMENT (GI) ...	509 461 465 511 513
KENWOOD	683 808 816 828 832 869	XM RADIO	708 725	.....	518
KOSS	415	YAMAHA	801 802 838 840 841 846 847 848 849	.....	530 531 514 464 463
MAGNAVOX	796 814 915 756	ZENITH	676 730 749 759 765 766 784 814 787 850	HAMLIN	461 480 481 482
MARANTZ	688 824	.....	405	HITACHI	463
mitsubishi	877			ILLICO	506
NAD	721 739 743			JASCO	471
NEO	725			JERROLD	509 461 465 518 463 464 520 526
NORCENT	907			MAGNAVOX	485
ONKYO	805 811 812 892			MEMOREX	486
OPTIMUS	667 747 748 749 751 752 754 793			MOTOROLA ...	509 465 513 518 530 531 464 511 526
PANASONIC	791 810 815 823			.....	463
.....	863 864 891 950			MOVIE TIME	487
PHILIPS	755 814 823 824 825	ABC	461 464 465 466 463	NSC	487
PIONEER	837 866 867 878 893	ADELPHIA	512 511	OAK	476 489
RADIO SHACK	706 754 793 806 865 866 867 868 875	ALLEGRO	525 524	PACE	532
.....	878 879	AMERICAST	527	PANASONIC	460 508
RCA ...	717 726 772 781 795 827 845 866 867 870 871	ANTRONIX	468 469	PARAGON	486 488
.....	872 875 878 879 449 895	ARCHER	468 469 470 471	PHILIPS	471 479 485 490 491 492
REALISTIC	822	AT&T	511	PHILIPS-MAGNAVOX	505 534
SABA	894	BELL SOUTH	527	PIONEER	478 506 493 494
SAMSUNG	454	CABLETENNA	468	PULSAR	486
		CABLEVIEW	468	RADIO SHACK	505 534 525
		CABLEVISION	506	RCA	460 471 507
		CENTURY	471		
		CITIZEN	471		
		COGECO	511		

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REALISTIC	469	OPTIMUS .667 668 678 679 697 698 699 700 744 747	434 435		
REGAL	482		EMERSON	405 456 458 940 899	
REGENCY	477	PANASONIC	716 733 740 820 862	ESA	956
REMBRANDT	463	PHILIPS	666 731 825	FARENHEIT	960
ROGERS	506	PIONEER	678 701 702 719 750 837 876	FISHER	416
RUNCO	486	PROTON	666	FUNAI	456 458
SAMSUNG	474 494	QUASAR	716	GE	409 430
SCIENTIFIC ATLANTA ..	498 497 506 535 512 466 496	RADIO SHACK	668 699 706 750 786 868 874 876	GOLDSTAR	405
SHAW	511	RCA	661 667 703 723 750 795 844 873 874 876	GO-VIDEO	407 426 455 431 937 971 454 902 901
SIGNAL	474	REALISTIC	661 667 669 673 678 689 697 699	GPX	936 944
SIGNATURE	463	ROTEL	666	GRADIENTE	415
SL MARX	474	SAE	666	GREENHILL	430
SPRUCER	460	SAMSUNG	741	HAAZ	451 452
STANDARD	499	SANSUI	666 704 723 734	HAIER	935
STARCOM	461 518	SANYO	667 705 718 735 742	HARMAN KARDON	427
STARGATE	474	SCOTT	661 673	HITACHI	404 407 419 428
STAR SIGHT	507	SEARS	679 689 777	HITEKER	445
STAR TRAK	516	SHARP	679 689	HUMAX	912
TANDY	500	SHERWOOD	681 689 698 706 859	ILO	959
TELEVIEW	474	SHURE	690	INFINITY	417
TEXSCAN	499	SONY	707 792 794 800	INSIGNIA	405 456 905 921 430
TIME WARNER	506	STS	660	INITIAL	430
TOCOM	464 513 520 501	SYLVANIA	666	INTEGRA	422
TOSHIBA	486	SYMPHONIC	709	JBL	427
TV86	487	TEAC	676 689 699 709 710 711 856	JVC	406 418 923 964 900
UNIKA	468 469 471	TECHNICS	716 733 820 862	JWIN	390 893 895
UNITED CABLE	461	THETA DIGITAL	731	KAWASAKI	945 449
UNIVERSAL	468 469 470 471 502 524	TOSHIBA	721	KENWOOD	400 429
VIDEOWAY	504	VICTOR	682	KISS	428
VIDEOTRON	506	YAMAHA	665 712 713 724 846	KLH	430 906 386
VIEWSTAR	475 485 487 500	ZENITH	676 730 759 784 850	KONKA	410 411 412 413 905
VIDEO TECH	550			KOSS	415 388
ZENITH	503 525 471 486 521 522 523			KXD	894
ZENITH NETWORK	527			LASONIC	451 948

DVD codes

CD		DVD	
ADC	660	ADVENT	922
ADCOM	661 714	AFREEY	417
AIWA	663 707 842	AIWA	414
AKAI	715 737 830	AKAI	395 435
AUDIO TECHNICA	665	AMES	431
CALIFORNIA AUDIO LABS	716	AMW	917 918
CAPETRONIC	669	ANABA	961
CARVER	666 667 668 825	APEX .386 390 391 392 424 430 436 439 445 457 459	938 949 913 401
CASIO	777	ASPIRE	933
CITIZEN	826	A-TREND	393
CURTIS MATHES	777	AUDIOVOX	921
DENON	670	AXION	921
EMERSON	661 673	B & K	978
FISHER	667 675 676 677 718	BLAUPUNKT	430
GENEXXA	673 678 719	BODYSONIC	417
GOLDSTAR	720	BOSE	672
HARMAN KARDON	680 691	BROKSONIC	394 932 967
HITACHI	678	CENTRIOS	951
INKEL	681	CHANGHONG	401
JC PENNEY	690 777	CINEVISION	405
JVC	682 813	CLASSIC	401 431
KENWOOD	679 683 685 727 728 828	COBY	926 946 947 916 445 928 894
KRELL	666	CONCEPT	430
KYOCERA	660	CRITERION	448
LUXMAN	686 687 729 738	CURTIS INTERNATIONAL	929 928
LXI	777	CYBERHOME	393 985 939
MAGNAVOX	666 731 800	CYTRON	446 388
MARANTZ	666 688 689 732	DAEWOO	440 441 444 971 965
MCS	690 777	DENON	400 421
MGA	691	DENZEL	428
MISSION	666	DESAY	958
MITSUBISHI	691 692	DIAMOND VISION	948 892 896
NAD	721 743	DIGIX	934
NAKAMICHI	693 694 831	DIGITREX	445
NEC	690	DISNEY	458
NIKKO	665 673 676	DUAL	447 984 956 428 446
NSM	666	DURABRAND	449 405
ONKYO	695 696 722 811	DVD 2000	402

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SAMSUNG	407 454 455 942 963 891
SAMPO	417
SANSUI	394
SANYO	416 904
SEARS	394 456
SEG	428
SHARP	397 897
SHERWOOD	425
SHINCO	430
SHINSONIC	430
SONIC BLUE	937
SONY	987 988 989 389 399 986
SOUNDSTORM	910 911
SUNGALE	953
SUPERSCAN	456
SV2000	456
SYLVANIA	456 458
SYMPHONIC	456 458 899
TEAC	404 449
TECHNICS	400
TECHWOOD	433
TERAPIN	943
TEVION	388 446 447 448 450 451 452
THETA DIGITAL	404
TIVO	912 909
TOSHIBA	394 398 973 924 983
TREDEX	941
UNITED	449
VENTURER	449
WHARFEDALE	442 417
WHITE WESTINGHOUSE	458
X-BOX	409
XENIUS	388
YAMAHA	400 420 979 980
YAMAKAWA	438 428
ZENITH	405 907

DVD/VCR Combo Codes

Where the code is listed as [### ###] the first is for the DVD and the second is for the VCR. Otherwise just the one code operates both the DVD and the VCR.

APEX	949
BROKSONIC	394 967
CINEVISION	[405 245]
DAEWOO	971
DIAMOND VISION	896
DURABRAND	[405 245]
EMERSON	456 [458 227]
FISHER	[416 267]
FUNAI	456 [458 227]
GO-VIDEO	407 426 455 971
HITACHI	[419 227]
INSIGNIA	[405 245]
JVC	418
LG	907
MAGNAVOX	456 [914 286] [969 286]
MEDION	896
PANASONIC	437
PHILIPS	456 [969 286]
POLAROID	949
RCA	[409 255]
SAMSUNG	455 963
SANSUI	394
SANYO	[416 267]
SEARS	394
SONY	389
SYLVANIA	456 [458 227] [458 236]
SYMPHONIC	456 [458 227] [899 236]
TOSHIBA	924
WHITE WESTINGHOUSE	[458 227]
ZENITH	[405 245]

DVR/DVD Combos

HUMAX	912
PANASONIC	387
PIONEER	909 977
TIVO	912 909
TOSHIBA	983 973

DVR Codes

Where codes are shown like this [###] each one can be used if you have 2 or more of the SAME device.

AT&T	373
HUGHES	580
HUMAX	912
PANASONIC	373
PHILIPS	[371] [344] [345]
PIONEER	909 977
RCA	409
REPLAYTV	373
SONIC BLUE	373
SONY	372 657
Tivo	371 372 344 345 657 983 912 909
TOSHIBA	983

DVR/CABLE Combos

CABLEVISION	506
ILLICO	506
PIONEER	506
ROGERS	506
SCIENTIFIC ATLANTA	506
TIME WARNER	506
VIDEOTRON	506

DVR/SAT Combos

BELL EXPRESSVU	647 655
DISH NETWORK	655 647
DREAMBOX	620
ECHOSTAR	655 647
EXPRESSVU	647 655
FORTEC STAR	569 555 556
HUGHES NETWORK	621 580
RCA	653
PHILIPS	621
PROSCAN	653
SAMSUNG	583
SONY	657 659
ULTIMATE TV	653 659
ZENITH	656

Home Theatre in a Box

Where the code is listed as [### ###] the first is for the DVD and the second is for the AUDIO. Otherwise just the one code operates both the DVD and the AUDIO.

AIWA	[414 839]
AMW	918
APEX	436
BOSE	672
CRITERION	448
DURABRAND	449 405
EMERSON	940
JVC	964
KLH	906
KOSS	415
LENOXX	931
LG	972
MAGNAVOX	915 [969 756] [408 756]

MYRON & DAVIS	962
NORCENT	928
ONKYO	975
PANASONIC	974
PHILIPS	755 [969 756]
PIONEER	976 968
RADIO SHACK	449 894 895 [453 879]
RCA	449 920 [453 879]
REGENT	931
SABA	919
SAMSUNG	454 942
SONY	986
TEVION	448
ZENITH	[405 787]

Satellite/DTV Receivers

Where codes are shown like this [###] each one can be used if you have 2 or more of the SAME device or brand.

AMPLICA	575
BELL EXPRESSVU	654 647 655 628
CHANNEL MASTER	577 578 579
CHAPPARAL	560 561
CHEYENNE	561
DRAKE	562 574 587
DREAMBOX	620
DIRECTV	622 632 629 621 623 576 586 616 613 630 634 636 638641 652 653 657 659 607 619 641
DISH NETWORK	[655] [647] 628 612 654 588 589 590
DISHPRO	588 589 590 654
DX ANTENNA	568 582
ECHOSPHERE	628
ECHOSTAR	[655] [647] 628 612 654 588 589 590
EXPRESSVU	654 647 655 628
FORTEC STAR	569 555 556 557 558 559
FUJITSU	591 592
GE	636 649 637 622 653 650 651 652
GEMINI	595
GENERAL INSTRUMENT (GI)	[627] [642] [643] [644] 648 640 645 564 565 566 593
GO VIDEO	610
HITACHI	638 629 630 632 641 607
HUGHES NETWORK	621 641 607 580 [632] [638] [629] [630]
JVC	628
KENWOOD	598
LUXOR	599
MAGNAVOX	576 612 639
MACOM	600
MITSUBISHI	641 632 638 629 630 607
MOTOROLA	648 618
NORSTAT	601
PACE	614 615 646
PANSAT	584
PANASONIC	626 586 596
PRIMESTAR	627 640
PHILIPS	576 612 621 629 630 632 638 641 607 639
PHILIPS-MAGNAVOX	576 612 639
PIONEER	604
PROSAT	563
PROSCAN	636 637 650 653 651 652
RCA	[636] 649 [637] 622 658 653 650 651 652 098
REALISTIC	567 603
SAMSUNG	594 583 613 616 619
SHARP	604
SKY NETWORK	614 615 646
SIERRA I II III	561
SONY	623 657 659 602
STARCHOICE	640 645 627
STAR SIGHT	633
STAR TRAK	608
STS	568 570 571
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Using the Remote Control

SYLVANIA	581
TOSHIBA	641 632 638 629 630 607 572 624 625 631
ULTIMATE TV	653 659
UNIDEN	633 573 611
UNITED	597
VIDEO CIPHER II	574
WEB TV	612 585
ZENITH	617 634 656 595 646 562 574 587 635

VCR Codes

Where codes are shown like this [###] each one can be used if you have 2 or more of the SAME device or brand.

ACCELE	354
ADMIRAL	226
ADVENTURA	251
AIKO	252
AIWA	245 227 269 251
AKAI	227 229 228 230 231 254 303 337
ALLEGRO	247 329 243
AMERICAN HIGH	292
APEX	949
ASHA	354
AT&T	373
AUDIO DYNAMICS	376 377 234
AUDIOVOX	245
BELL & HOWELL	268
BEAUMARK	354
BROKSONIC	256 250 257 310 394 967 237 289
CALIX	245
CANDLE	240 245 354 234 242 244
CANNON	225 292 339
CAPEHART	329
CARVER	287
CCE	252 356
CINEVISION	245
CITIZEN	240 245 252 354 234 242 244
COLORTYME	234
COLT	356
CRAIG	245 354 356 248
CURTIS MATHES	225 287 227 334 354 358 234 249
	292
CYBERNEX	354
DAEWOO	279 240 250 252 334 242 244 251 971
DBX	376 377 234
DIAMOND VISION	896
DIMENSIA	225
DURABRAND	245
DYNATECH	227 251
ELECTROHOME	245 254
ELECTROPHONIC	245
EMERSON	250 245 252 256 257 290 310 325 354 240
	233 227 265 266 268 269 456 458 231 237 249 251
	254 259 262 263 270 289 292 301 330 341
FISHER	304 268 267 287 234 248 273 274
FUJI	229 292
FUNAI	227 456 458 251
GARRARD	251
GE	225 311 335 342 354 278 292
GOLDSTAR	227 245 338 329 346 234
GRADIENTE	251
GO-VIDEO	354 375 407 426 455 971 368
HARLEY DAVIDSON	251
HARMAN KARDON	234 254
HARWOOD	356
HEADQUARTER	268
HITACHI	369 227 347 303 332
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INFINITY	288
INSIGNIA	245
INSTANT REPLAY	227 292
INTEQ	245
JC PENNEY	225 245 268 354 369 376 377 292 303
	332 343 234
JCL	292

JENSEN	369 303
JVC	376 377 268 247 418 234 303
KENWOOD	268 376 377 234 303
KLH	356
KODAK	245 292
LG	227 329 338 907
LLOYD	227 251
LOGIK	356
LXI	227 245
MAGNAVOX	287 288 329 226 225 456 286 235 227
	914 969 292
MAGNIN	354
MARANTZ	287 268 376 377 289 292 339 234
MARTA	245
MATSUSHITA	292
MEDION	896
MEI	292
MEMOREX	287 245 268 304 310 329 354 226 227
	337 248 251 292
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MGN TECHNOLOGY	354
MIDLAND	278
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MITSUBISHI	290 298 369 376 377 254 295
MONTGOMERY WARD	226 300
MOTOROLA	226 292
MTC	227 354 251
MULTITECH	227 354 251 278 356
NEC	268 376 377 289 301 302 303 234 249
NIKKO	245
NOBLEX	354
OLYMPUS	292
OPTIMUS	239 354 363 245 361 374 381 226
OPTONICA	354 300
ORION	256 310
PANASONIC	363 381 374 373 225 437 292
PENTAX	369 234 332
PHILCO	287 225 235 292
PHILIPS	287 288 344 345 371 378 383 456 286 292
PHILIPS-MAGNAVOX	287 288 226
PILOT	245
PIONEER	305 369 376 377 343
PORTLAND	242 244
PROSCAN	225 308
PROTEC	356
PULSAR	329
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QUARTZ	268
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	245 268 342 354 361 363 248 251 254 274 292 300
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RADIX	245
RANDEX	245
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	335 342
	354 369 228 278 292 332
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	254 274 292 300 337
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SAMSUNG	354 358 240 369 455 942 963 230 337
SANKY	226 329
SANSUI	310 376 377 394 256 303
SANYO	304 267 268 354 248
SCOTT	240 250 257 290 341 237 263
SEARS	363 245 268 287 369 394 456 248 273 274
	292 332 343
SHARP	360 361 226 227 266 242 254 300
SHINTOM	229 353 369 356 357
SHOGUN	354
SIGNATURE	227
SINGER	292 356

SONIC BLUE	373
SONY	379 324 229 323 353 389 372 364 365 366 380
STS	369 292 332
SUPERSCAN	456
SYLVANIA	227 287 290 225 236 456 458 251 292
SYMPHONIC	227 236 456 251
TANDY	227 268
TASHIKO	245
TATUNG	303
TEAC	227 251 303
TECHNICS	292
TEKNIKA	227 245 325 251 292
TiVo	371 372
TMK	354 249 301
TOSHIBA	240 261 260 287 290 358 369 924 274 341
TOTEVISION	245 354
UNITECH	354
VECTOR RESEARCH	240 376 377 234
VICTOR	376 377
VIDEO CONCEPTS	240 376 377 234 254
VIDEOSONIC	354
WARDS	225 226 227 240 245 354 369 248 251 254
	292 300 326 332 341 356
WHITE WESTINGHOUSE	227 279
XR-1000	251 292 356
YAMAHA	376 377 234 303
ZENITH	329 247 252 266 288 226 227 338 347 353
	358 245 229 310 232 232 376 377 279 368 243

Web TV

JVC	612
SONY	585