

Your TV remote is capable of working not only your TV but also other infrared remote (IR) controlled accessory devices such as VCRs, cable TV converter boxes, satellite receivers, DVD players, and laser-disc players.

1 Press the VCR or ACC(essory) mode button on the TV remote for the desired product category.

2 Point the TV remote toward the desired accessory device and press the **POWER** button.

If yes, stop and try other function buttons on the TV remote. With a VCR, for example, try the Play, Stop, and Rewind buttons, for example. (See page 23 for information on how the remote buttons correspond with accessory device functions.) If they also work the accessory device, then the remote is ready and no further steps are needed.

Look up a four-digit remote code number on pages 21 or 22 for your brand of accessory device. Then go through the simple steps for entering a four-digit code as explained on page 19.

If more than one four-digit code number is listed, you may have to try more than the first number given to locate your component's correct code.



USING THE CODE-ENTRY METHOD TO PROGRAM YOUR TV REMOTE



Now that you have looked up the four-digit remote-control Direct-entry Code for your brand of accessory device, you are ready to follow the simple steps shown below to program your TV remote.

Please read through all the steps before beginning.

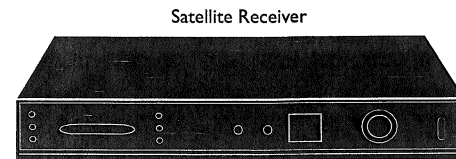
1 First, press and hold down the VCR or ACC (for an accessory device other than a VCR) mode button on the TV remote. Then press and hold down the MENU/SELECT button at the same time for a brief moment. Release the buttons. The TV remote back light will switch on.

NOTE: For correct operation, you must first press and hold the mode button and then press and hold the MENU/SELECT button simultaneously.

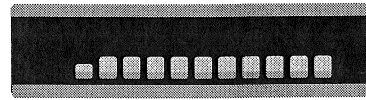
2 Within 30 seconds of pressing the VCR (or ACC) button and MENU/SELECT button, enter a four-digit code for the accessory device (see pages 21 and 22).

If you make a mistake while attempting to enter the four-digit code and want to start again, press any button other than one with a number. Then return to step 1 to begin again.

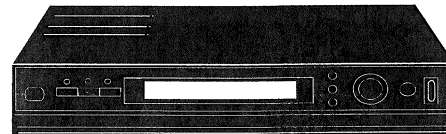
3 Point the remote at the accessory device. Then press the POWER button on the remote to turn the device on.



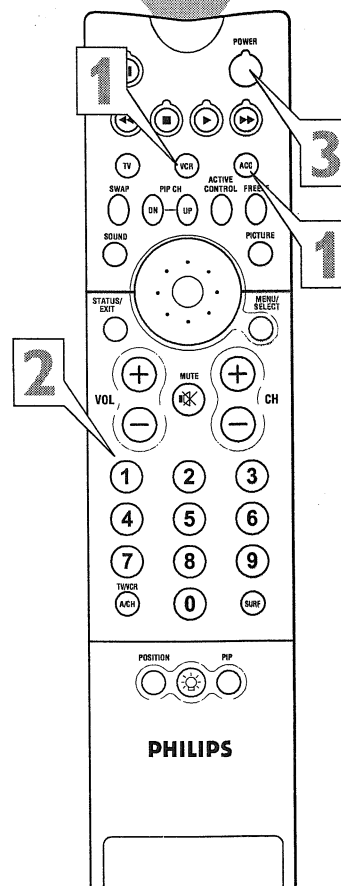
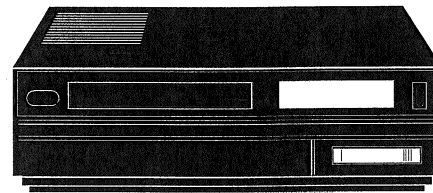
Cable Converter Box



DVD Player



VCR



HELPFUL HINTS

- If you do not enter a complete code within 30 seconds, you will need to perform step 1 of the Code-entry Method again.
- If you enter more than four digits, the unit will retain the first four digits entered.
- If the procedure explained above does not work the first time, repeat the steps using the same remote code number.
- If after a second try the remote does not operate your accessory device, and more code numbers are listed for your brand, use the next listed code number.
- If after repeated attempts the Entry-code Method does not allow you to work your accessory device with your TV remote, try the Search Method explained on the next page.



USING THE SEARCH METHOD TO PROGRAM YOUR TV REMOTE

Your TV remote can be set to work various accessory devices (VCRs, cable converters, and satellite receivers, for example) by what is called the Search Method.

NOTE: The Search Method works only with devices equipped with channel-display indicators on the devices themselves or the ability to show channel numbers on the TV screen. If the Code-entry Method (shown in the previous section) did not enable your TV remote to work your accessory device, then follow the easy steps listed below. Please read the steps once before performing them.

- 1** Turn on the desired device. Press and hold down the VCR or ACC (for an accessory device other than a VCR) mode button on the TV remote. Then press and hold down the SURF button as you hold down the desired mode (VCR or ACC) button.

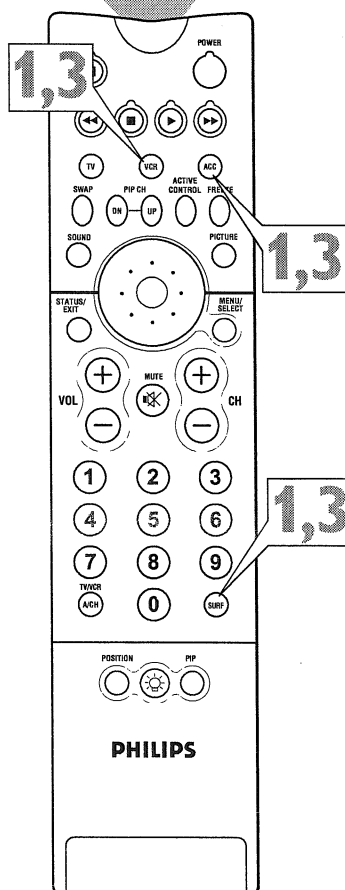
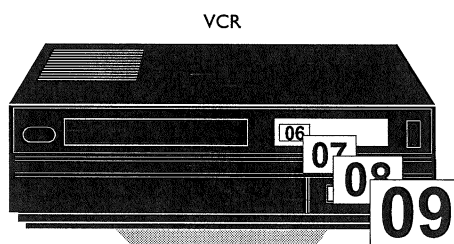
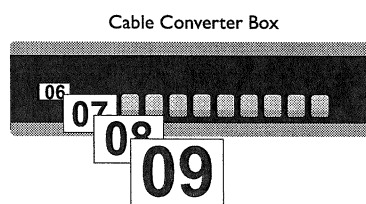
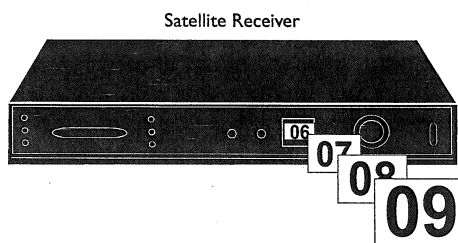
NOTE: For correct operation, you must press and hold down the desired mode (VCR or ACC) button first and then press and hold down the SURF button second.

While holding down the SURF and the desired mode (VCR or ACC) buttons simultaneously, point the remote toward the accessory device and continue holding the buttons down.

- 2** Watch the Channel Indicator on your accessory device. Channel numbers will scan up when the TV remote has identified the correct code for your accessory device. This may take several minutes.

- 3** Release the mode (VCR or ACC) and SURF buttons as soon as channel numbers start to scan up. The scanning means that your TV remote has found the code for your accessory device.

NOTE: If no channel change happens after several minutes, repeat steps 1 and 2. Then if a channel change still does not occur, the remote will not work with the desired accessory device.



HELPFUL HINTS

- The remote's back light will blink as the remote moves through its product code list. After the remote identifies the product code for your accessory device and you release the remote buttons, the back light will blink twice.
- Your TV remote may locate the accessory device's code quickly or within several minutes.
- Don't let the accessory device scan up more than five channels when the correct code is found—the remote may pass up the right code and have to repeat the search cycle.



DIRECT-ENTRY CODES FOR A/V ACCESSORY DEVICES

VCR

	CODE NUMBER
ADMIRAL	.0075, 0236
ADVENTURA	.0027
AIKO	.0305
AIWA	.0334, 0495, 0027, 0064
AKAI	.0133, 0080, 0068, 0076, .0088, 0183, 0269
AMERICA ACTION	.0305
AMERICAN HIGH	.0062
ASHA	.0267
AUDIOVOX	.0064
BEAUMARK	.0267
BELL & HOWELL	.0131
BROKSONIC	.0148, 0211, 0029, 0236, .0238, 0322, 0388, 0506
CCE	.0099, 0305
CALIX	.0064
CANON	.0194, 0062, 0129
CAPEHART	.0047
CARVER	.0108
CINERAL	.0305
CITIZEN	.0305, 0064
COLT	.0099
CRAIG	.0064, 0099, 0074, 0267, .0298
CURTIS MATHES	.0062, 0068, 0087, 0189
CYBERNEX	.0078, 0267
DAEWOO	.0305, 0588, 0047, 0072
DAYTRON	.0047
DENON	.0069
DYNATECH	.0027
ELECTROHOME	.0064
ELECTROPHONIC	.0064
EMEREX	.0059
EMERSON	.0211, 0029, 0236, 0305, .0063, 0148, 0238, 0588, .0235, 0321, 0506, 0088, .0115, 0239, 0027, 0064, .0070, 0095, 0322, 0388, .0537
FISHER	.0074, 0131, 0081, 0093
FUJI	.0060, 0062
FUNAI	.0027
GE	.0062, 0087, 0075, 0092, .0229, 0267
GARRARD	.0027
GO VIDEO	.0306, 0459, 0553, 0259
GOLDSTAR	.0064, 0045, 0065, 0498, .0507
GRADIENTE	.0035, 0027, 0435
GRUNDIG	.0222
HI-Q	.0074
HARLEY DAVIDSON	.0027
HARMAN/KARDON	.0065, 0102, 0108
HARWOOD	.0095, 0099
HEADQUARTER	.0073
HITACHI	.0069, 0193, 0132, 0092, .0027, 0068, 0109
HUGHES NETWORK SYSTEMS	.0069
JVC	.0094, 0035, 0233, 0234, .0068, 0411

JENSEN	.0068
KEC	.0064, 0305
KLH	.0099
KENWOOD	.0068, 0094, 0411, 0065
KODAK	.0062, 0064
LXI	.0064
LLOYD'S	.0027, 0235
LOGIK	.0099
MEI	.0062
MGA	.0070, 0088, 0267
MGN TECHNOLOGY	.0267
MTC	.0027, 0267
MAGNASONIC	.0305
MAGNAVOX	.0062, 0108, 0137, 0130, .0027, 0066, 0176
MAGNIN	.0267
MARANTZ	.0108, 0062
MARTA	.0064
MATSUSHITA	.0062, 0189, 0481
MEMOREX	.0131, 0074, 0506, 0027, .0064, 0075, 0062, 0073, .0267, 0334, 0066, 0189, .0236, 0481, 0828, 0829
MINOLTA	.0132, 0069
MITSUBISHI	.0200, 0088, 0102, 0241, .0269, 0070, 0075, 0094, .0470
MOTOROLA	.0062, 0075
MULTITECH	.0027, 0099
NAD	.0085
NEC	.0065, 0067, 0068, 0077, .0094, 0109, 0131
NIKKO	.0064
NIKON	.0061, 0280
NOBLEX	.0267
OLYMPUS	.0062, 0253
OPTIMUS	.0189, 0481, 0827, 0828, .0075, 0085, 0829, 0064, .0131, 0459
OPTONICA	.0089
ORION	.0506, 0029, 0211, 0236, .0322
PANASONIC	.0062, 0189, 0828, 0481, .0253, 0104, 0405, 0829, .0129, 0252, 0254, 0273, .0827
PENNEY	.0062, 0267, 0064, 0069, .0065, 0067, 0081
PENTAX	.0069, 0092, 0132
PHILCO	.0062, 0236, 0506
PHILIPS	.0108, 0062, 0089, 0137, .0830, 0831
PILOT	.0064
PIONEER	.0085, 0195, 0094
POLK AUDIO	.0108
PORTLAND	.0047
PROFITRONIC	.0267
PROSCAN	.0087, 0229
PROTEC	.0099
PULSAR	.0066, 0078
QUARTER	.0073

QUARTZ	.0073
QUASAR	.0062, 0189, 0104, 0481, .0828
RCA	.0087, 0176, 0229, 0069, .0132, 0085, 0062, 0075, .0092, 0104, 0133, 0267, .0304
RADIO SHACK	.0027
RADIX	.0064
RANDEX	.0064
REALISTIC	.0027, 0131, 0074, 0075, .0064, 0062, 0089, 0073, .0093
RICOH	.0061, 0280
RUNCO	.0066
STS	.0069
SALORA	.0102
SAMSUNG	.0072, 0078, 0080, 0267
SANKY	.0066, 0075
SANSUI	.0068, 0506, 0027, 0094, .0109, 0236, 0298
SANYO	.0074, 0073, 0131, 0267
SCOTT	.0211, 0238, 0148, 0070, .0072, 0237, 0239
SEARS	.0081, 0132, 0064, 0069, .0027, 0062, 0073, 0074, .0093, 0131
SEMP	.0072
SHARP	.0075, 0089
SHINTOM	.0099
SHOGUN	.0078, 0267
SINGER	.0099
SONY	.0060, 0061, 0059, 0280, .0027, 0038, 0062
SUNPAK	.0280
SYLVANIA	.0062, 0108, 0027, 0070, .0130, 0137
SYMPHONIC	.0027
TMK	.0063, 0235, 0267
TATUNG	.0068
TEAC	.0027, 0068
TECHNICS	.0062, 0189, 0273
TEKNIKA	.0027, 0062, 0064, 0079
THOMAS	.0027
TOSHIBA	.0072, 0237, 0239, 0070, .0093, 0393
TOTEVISION	.0064, 0267
UNITECH	.0267
VECTOR	.0072
VECTOR RESEARCH	.0065, 0067
VIDEO CONCEPTS	.0067, 0072, 0088, 0248
VIDEOSONIC	.0267
WARDS	.0062, 0087, 0089, 0027, .0074, 0239, 0267, 0069, .0075, 0099, 0108, 0176
WHITE WESTINGHOUSE	.0099, 0305, 0236
XR-1000	.0099, 0027, 0062
YAMAHA	.0065
ZENITH	.0066, 0027, 0060, 0061, .0236, 0506

DVD PLAYER

	CODE NUMBER
DENON	.0859
GE	.0862
HARMAN/KARDON	.0871
HITACHI	.0870
JVC	.0868
KENWOOD	.0865
MAGNAVOX	.0860

MARANTZ	.0866
MITSUBISHI	.0861
ONKYO	.0860
OPTIMUS	.0869
PANASONIC	.0859
PHILIPS	.0866, 0860
PIONEER	.0869, 0863
PROSCAN	.0862

RCA	.0862, 0869
SAMSUNG	.0870
SONY	.0864
TECHNICS	.0859
THETA DIGITAL	.0869
TOSHIBA	.0860
YAMAHA	.0859, 0867
ZENITH	.0872, 0860



DIRECT-ENTRY CODES FOR A/V ACCESSORY DEVICES

LASER-DISC PLAYER

	CODE NUMBER
ADS	.0880
AIWA	.0855
CARVER	.0853, 0850, 0858
DENON	.0851, 0849, 0875
DISCO VISION	.0848
FUNAI	.0855
HARMAN/KARDON	.0853
HITACHI	.0848
KENWOOD	.0877
MAGNAVOX	.0853, 0857, 0875

MARANTZ	.0853, 0850
MITSUBISHI	.0849
NAD	.0849
NEC	.0879
NIKKODO	.0884
OPTIMUS	.0849
PANASONIC	.0856
PHILIPS	.0853, 0850
PIONEER	.0849, 0848
POLK AUDIO	.0853
QUASAR	.0856

RCA	.0881, 0874
REALISTIC	.0855
SAMSUNG	.0858
SEGA	.0848
SHARP	.0873
SONY	.0854, 0852, 0878
TECHNICS	.0856
THETA DIGITAL	.0853
VICTOR	.0876
YAMAHA	.0857

CABLE CONVERTER BOX

	CODE NUMBER
ABC	.0030, 0028, 0034, 0035, .0038, 0040, 0041, 0044, .0060
ALLEGRO	.0180, 0342
ANTRONIX	.0049, 0234
APACHE	.0797
ARCHER	.0049, 0066, 0180, 0234, .0824
BBT	.0294
BELCOR	.0083
BELL & HOWELL	.0041
CABLE STAR	.0083
CABLETENNA	.0049
CABLEVIEW	.0049
CENTURY	.0180
CITIZEN	.0180, 0342
COLOUR VOICE	.0052, 0058
COMBAND	.0259
COMTRONICS	.0067, 0087
CONTEC	.0046
DIGI	.0664
EASTERN	.0029
EMERSON	.0824
EVERQUEST	.0042, 0067
FOCUS	.0427
GC ELECTRONICS	.0083, 0234
GE	.0259
GARRARD	.0180
GEMINI	.0042, 0097, 0269, 0824
GENERAL INSTRUMENT	.0303, 0038, 0503, 0837
GOLDSTAR	.0067, 0171
GOODMIND	.0797, 0824

HAMLIN	.0047, 0036, 0286, 0061, .0300
HITACHI	.0038
HYTEX	.0034
JASCO	.0042, 0180, 0342
JERROLD	.0030, 0039, 0303, 0041, .0503, 0038, 0051, 0042, .0837
LINSAY	.0467
MACOM	.0060
MAGNAVOX	.0054
MEMOREX	.0027
MOVIE TIME	.0090, 0183
NSC	.0183, 0090, 0097
NEXUS	.0797
NOVAPLEX	.0645
OAK	.0046, 0034
OPTIMUS	.0048
PANASONIC	.0048, 0134, 0027
PANTHER	.0664
PARAGON	.0027
PHILIPS	.0052, 0058, 0269, 0317, .0054, 0180
PIONEER	.0171, 0050, 0560
POPULAR MECHANICS	.0427
PRELUDE	.0797
PULSAR	.0027
QUASAR	.0027
RCA	.0048
RADIO SHACK	.0042, 0847, 0342, 0824
REALISTIC	.0234
RECOTON	.0427
REGAL	.0300, 0047, 0286

REGENCY	.0029
REMBRANDT	.0038, 0097
RUNCO	.0027
SL MARX	.0067
SAMSUNG	.0067, 0171
SCIENTIFIC ATLANTA	.0035, 0044, 0033, 0504
SEAM	.0537
SIGNAL	.0042, 0067
SIGNATURE	.0038
SPRUCER	.0048
STARSIGHT	.0569, 0449
STARCOM	.0030, 0042
STARGATE	.0067, 0042, 0797, 0824
STARQUEST	.0042
SYLVANIA	.0028
TFC	.0337
TV86	.0090
TANDY	.0285
TELECATION	.0248
TELEVIEW	.0067
TEXSCAN	.0028
TIMELESS	.0445
TOCOM	.0039, 0040
TOSHIBA	.0027
TUSA	.0042
UNIKA	.0180, 0234, 0049
UNITED ARTISTS	.0034
UNIVERSAL	.0234, 0049, 0066, 0083, .0180, 0218
VIEWMASTER	.0847
VIEWSTAR	.0285, 0054, 0087, 0090
ZENITH	.0027, 0552, 0081
ZENTEK	.0427

SATELLITE RECEIVER/DIGITAL SATELLITE SYSTEM

	CODE NUMBER
ALPHASTAR	.0799
AMPLICA	.0099
AMWAY	.0070, 0102
ARUNTA	.0548
ASTRO INDUSTRIES	.0122
BMC	.0114
BSR	.0122
CABLE INNOVATIONS	.0581
CAPETRONIC	.0122
CENTURY	.0565
CHANNEL MASTER	.0045, 0239
CHAPARRAL	.0080, 0236, 0243
CITOH	.0191
CONIFER	.0031
CURTIS MATHES	.0088, 0099
DX ANTENNA	.0068
DRAKE	.0091, 0272, 0045, 0176
ECHOSTAR	.0307, 0802, 0175, 0186, .0296
EXPRESSVU	.0802

GE	.0593
GENERAL INSTRUMENT	.0388, 0896, 0574, 0581, .0654
GOULD	.0082
HNS	.0644
HTS	.0802
HITACHI	.0846
HomeCABLE	.0265
HUGHES NETWORK SYSTEMS	.0776
HYTEK	.0122
IQ	.0237
IQ PRISM	.0237
INTERSAT	.0070
JVC	.0802
JANEIL	.0179
JERROLD	.0388, 0654
LEGEND	.0296
MACOM	.0088, 0045
MAGNAVOX	.0749, 0751
MEMOREX	.0296, 0751
NEXT LEVEL	.0896

NORSAT	.0031
PANASONIC	.0179, 0728
PHILIPS	.0227, 0749, 0751
PICO	.0102
PRIMESTAR	.0654, 0388
RCA	.0593, 0170, 0882
RADIO SHACK	.0581, 0896
RAMSEY	.0102
REALISTIC	.0079, 0078
STS	.0237, 0068
SONY	.0666
STAR CHOICE	.0896
STAR TRAK	.0207, 0448, 0574
STRONG	.0448
TOSHIBA	.0109, 0776, 0817, 0088
TOWN & COUNTRY	.0574
UNIDEN	.0265, 0079, 0101, 0397, .0581, 0751, 0103, 0323, .0749
ZENITH	.0091, 0883, 0088

TELEVISION

	CODE NUMBER
MAGNAVOX	.0583

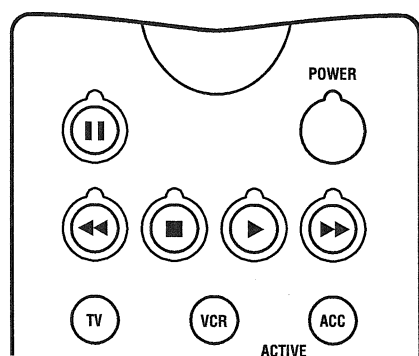
USING THE TV REMOTE WITH ACCESSORY DEVICES



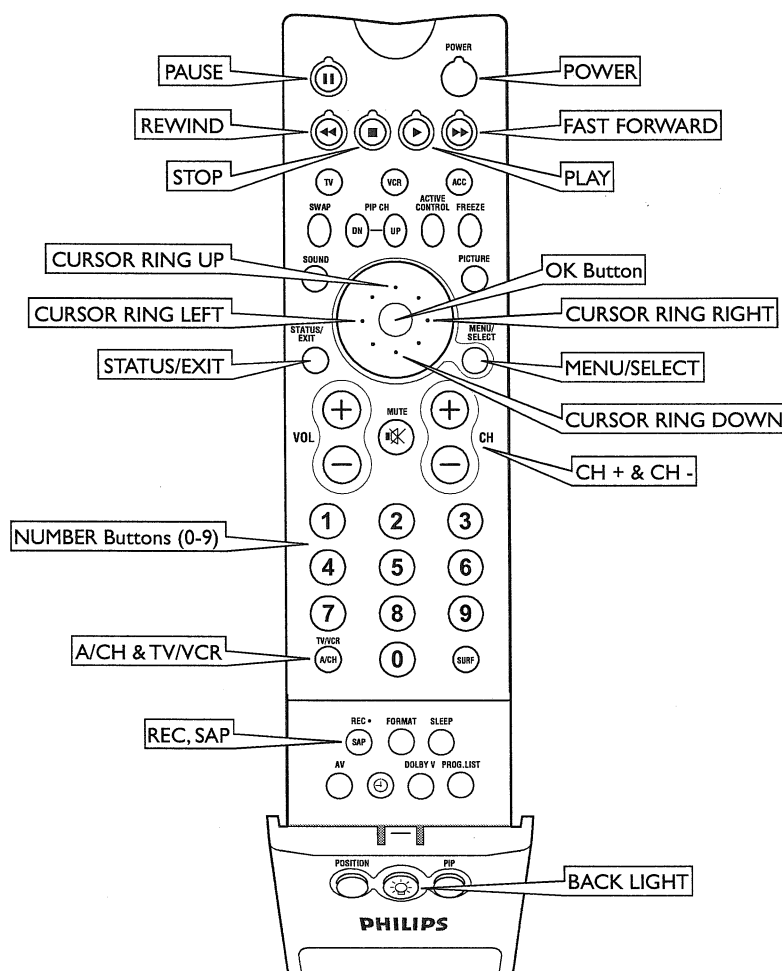
The Chart below provides you with common accessory-device functions associated with the buttons on your Philips TV remote control. (See pages 18–20 for information on programming your TV remote to operate accessory devices.)

NOTES:

- Functions can vary according to the manufacturer's specifications for each accessory device.
- First press the VCR mode button to use the TV remote to operate a VCR.
- First press the ACC mode button to use the TV remote to operate a DVD player, laser-disc player, cable converter box, or satellite receiver/digital satellite system.



**TV Remote VCR
and Accessory Mode Buttons**



Button on TV Remote	Common VCR Function	Common DVD/LD Player Function	Common Cable Converter Box or Satellite Receiver/Digital Satellite System (DSS) Function
POWER	POWER	POWER	POWER
PAUSE	PAUSE	PAUSE	—
REWIND	REWIND	SEARCH REVERSE	—
STOP	STOP	STOP	—
PLAY	PLAY	PLAY	—
FAST FORWARD	FAST FORWARD	SEARCH FORWARD	—
CURSOR RING UP	CURSOR UP	CURSOR UP	CURSOR UP
CURSOR RING DOWN	CURSOR DOWN	CURSOR DOWN	CURSOR DOWN
CURSOR RING RIGHT	CURSOR RIGHT	CURSOR RIGHT	CURSOR RIGHT
CURSOR RING LEFT	CURSOR LEFT	CURSOR LEFT	CURSOR LEFT
OK Button	PROGRAM; MENU	MENU	MENU (also, GUIDE for satellite receivers/DSS)
STATUS/EXIT	EXIT	EXIT	EXIT
MENU/SELECT	SELECT	SELECT	SELECT
CH +	CHANNEL UP	NEXT	CHANNEL UP
CH -	CHANNEL DOWN	PREVIOUS	CHANNEL DOWN
NUMBER Buttons (0–9)	NUMBER SELECTION (0–9)	NUMBER SELECTION (0–9)	NUMBER SELECTION (0–9)
A/CH* and TV/VCR	TV/VCR, A/CH*	—	—
REC, SAP	RECORD (Press with PLAY Button)	—	—
BACK LIGHT**	BACK LIGHT**	BACK LIGHT**	BACK LIGHT**

*A/CH (Alternate Channel) allows you to switch between the currently viewed channel and the previously viewed channel.

**Press the BACK LIGHT button to light the white buttons on the remote.