

USING THE REMOTE WITH ACCESSORY DEVICES - DIRECT ACCESS



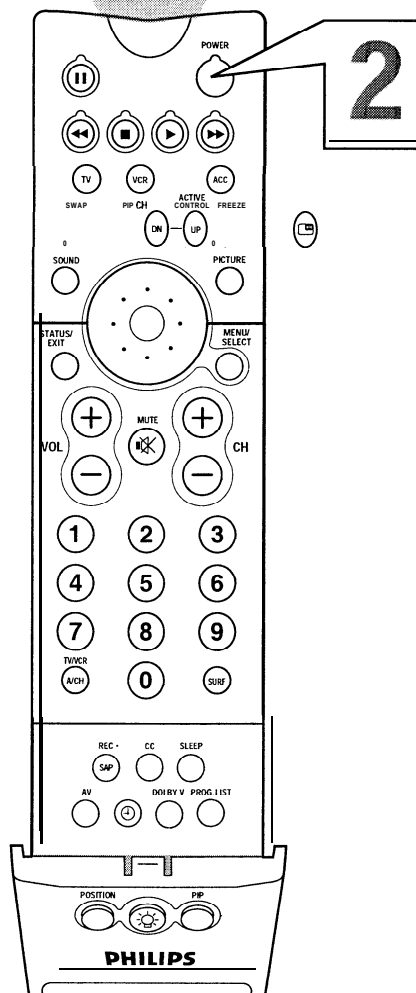
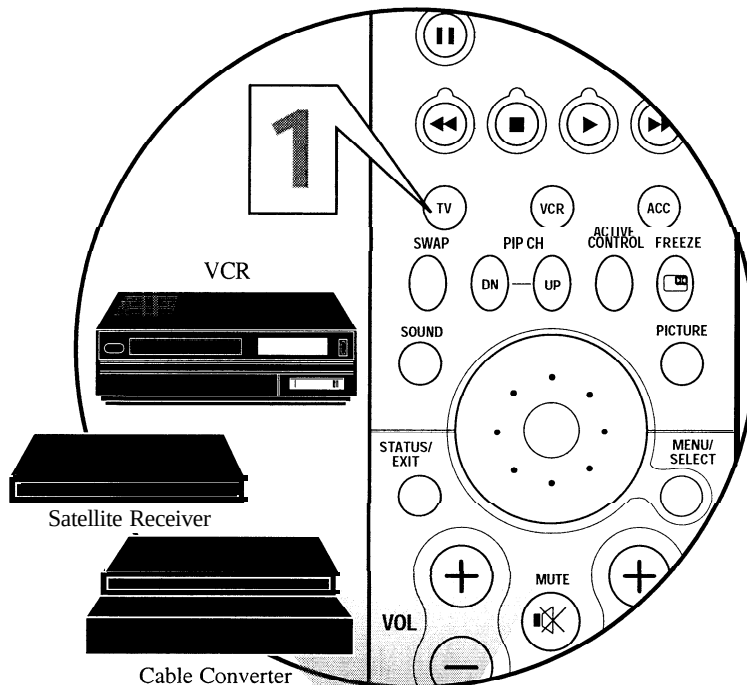
Your remote control is capable of working your TV and many other devices that respond to infrared remote control commands, such as VCRs, cable boxes, satellite systems, and DBS. Your remote may be already, as is, to work an accessory device, or you may need to use one of the methods ("Code Entry" or "Search") explained on pages 50 and 51.

First, try this simple test to see if your TV remote control will give you direct access to the accessory device's functions, or if you will need to try another method in order to set up your TV remote control for that capability.

- 1** Press the proper TV/VCR/ACC button on the remote control.
- 2** Point the remote control at the remote sensor window of the accessory device and press the POWER button.
- 3** Does the remote control turn the device ON?

If **YES**, stop and try other function buttons on the remote. If they also work the device, then the remote is ready and no further steps are needed.

If **NO**, go to the next page to try the Code-Entry method.



HELPFUL HINT

It is recommended that you use Philips brand external accessory devices with your Philips television to insure proper remote control functions. If you are using Philips brand accessory devices, your remote control should be ready to use with these devices.



USING THE REMOTE WITH ACCESSORY DEVICES - CODE ENTRY

Follow these simple steps to enter a three-digit Accessory Device Code Number that will allow you to use your TV remote to work the functions of an accessory device. Please read through the steps once before performing them.

- 1** Look up a four-digit Accessory Device Code Number for the accessory device (found on pages 52-53) whose functions you want to work with your TV's remote control.
- 2** Press the VCR or ACC Mode button (depending on your type of accessory device) and the MENU/SELECT button simultaneously for a count of two, then release both buttons.
- 3** Within 30 seconds enter the four-digit code number for your accessory device (refer to page 52-53 for code list).
- 4** Point the remote at the remote sensor window of the device. Then press the **POWER** button on the remote to turn the unit ON.

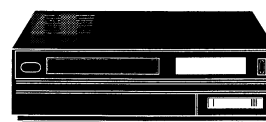
NOTE: If the process just explained doesn't work the first time, repeat the same Accessory Device code number.

If after a second try the TV remote control does not operate your accessory device, see if other three-digit Accessory Device Code Numbers are shown for your device on the list pages 52-53 and repeat the steps above using a new number.

If after repeated attempts this method does not work for you, go to the next page and follow the steps for using the Search method to set up your remote control.

HELPFUL HINT

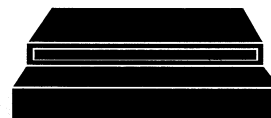
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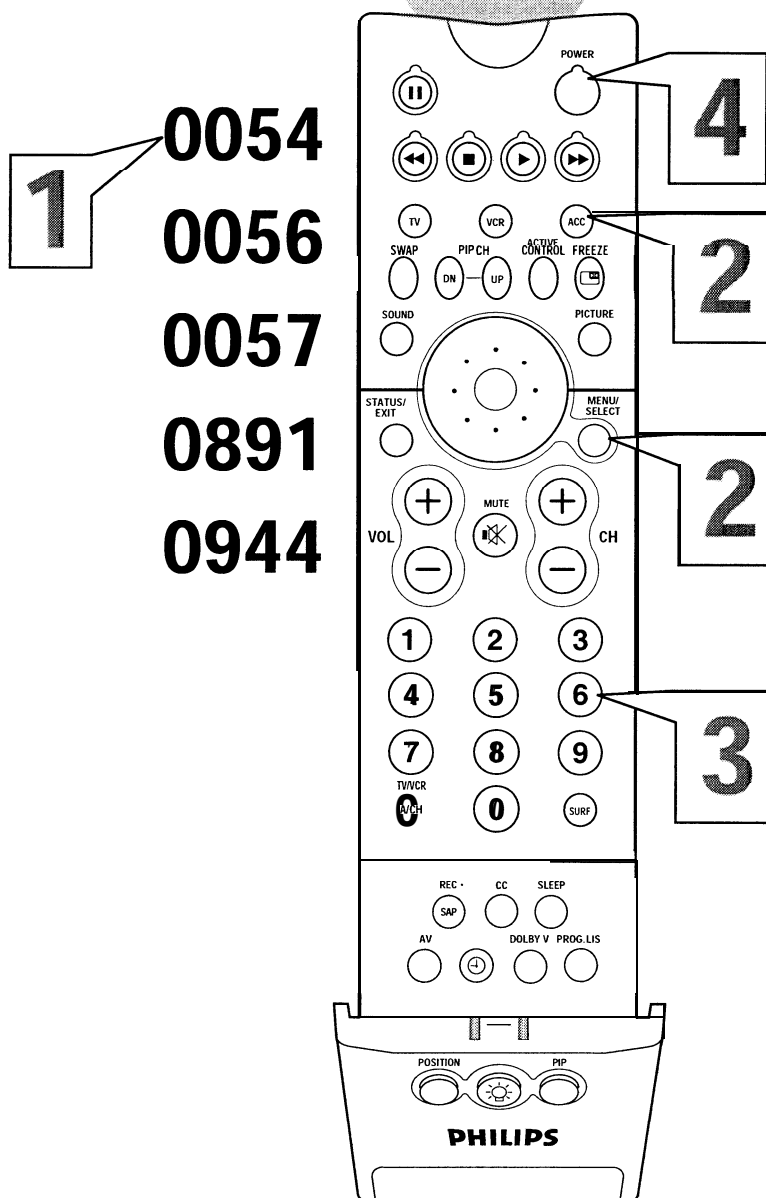
VCR



Satellite Receiver



Cable Converter



USING THE REMOTE WITH ACCESSORY DEVICES - SEARCH



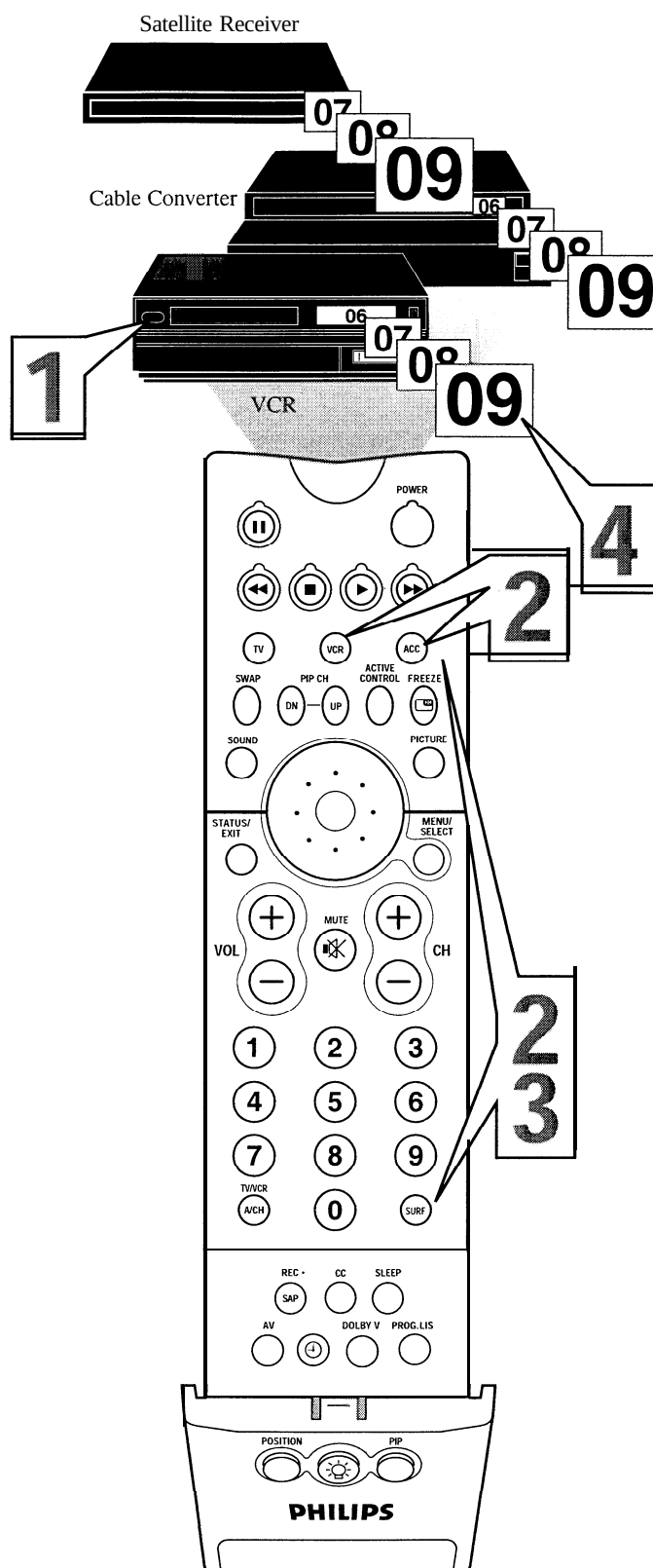
Follow these simple steps to have your TV remote search for the code it needs to work the functions of your accessory device. Please read through the steps once before performing them.

NOTE: The Search method works only with devices equipped with channel display indicators or channel display capability.

- 1** Press the **POWER** button on the device you are attempting to program to turn it ON.
- 2** Press the **VCR** or the **ACC** button (depending on the type of accessory device you have) and the **SURF** button **SIMULTANEOUSLY** and hold them down. Be sure that the remote is pointing at the accessory device. The device will begin to change channels after the remote identifies the correct code.
- 3** When the channels start to change, release the **VCR** or **ACC** button and **SURF** button.

NOTE: Don't let the device scan up more than five channels. If you do, the remote control may pass up the correct code, and another two-minute search cycle will have to be done.

If no channel change happens within two minutes, repeat steps 1-4. Should a channel change still not occur, the remote will not work the desired device.



HELPFUL HINT

Don't let the device scan up more than five channels. If you do, the remote may pass up the right code, and another search cycle will have to be done.

If no channel change happens within several minutes, repeat steps 1-4. Should a channel change still not occur, the remote control will not work the desired device.

It is recommended that you use Philips brand external accessory devices with your Philips television to insure proper remote control functions. If you are using Philips brand accessory devices, your remote control should be ready to use with these devices.



CODE-ENTRY CODE LIST FOR ACCESSORY DEVICES

VCR

Admiral	.075, 236	JVC	.094, 035, 233, 234, 068, 411	Quarter	.073
Adventura	.027	Jensen	.06 8	Quartz	.073
Aiko	.30 5	KEC	.064, 305	Quasar	.062, 189, 104, 481, 828
Aiwa	.334, 495, 027, 064	KLH	.09 9	RCA	.087, 176, 229, 069, 132, 062, 075, 092, 104, 133, 267, 304
Akai	.133, 080, 068, 076, 088, 183, 269	Kenwood	.068, 094, 411, 065	Radio Shack	.027
America Action	.305	Kodak	.062, 064	Radix	.06 4
American High	.062	LXI	.06 4	Randex	.06 4
Asha	.26 7	Lloyd's	.027, 235	Realistic	.027, 131, 074, 075, 064, 062, 089, 073
Audiovox	.06 4	Logik.	.099	Ricoh	.061, 280
Beaumark	.267	MEI	.062	Runco	.06 6
Bell & Howell	.131	MGA	.070.088, 26 7	STS	.06 9
Brocksonic	.0236	MGN Technology	.267	Salora	.102
Broksonic	.148, 211, 029, 236, 322, 388, 506	MTC	.027, 267	Samsung	.072, 078, 080, 267
CCE	.099.30 5	Magnasonic	.305	Sanky	.066, 075
Calix	.06 4	Magnavox	.062, 108, 137, 130, 027, 066, 176	Sansui	.068, 506, 027, 094, 109, 236, 298
Canon	.194.062, 12 9	Magnin	.267	Sanyo	.074, 073, 131, 267
Capehart	.047	Marantz	.108, 062	Scott	.211, 238, 148, 070, 072, 237, 239
Carver	.108	Marta	.064	Sears	.081, 132, 064, 069, 027, 062, 073, 074, 093, 131
Cineral	.305	Matsushita	.062, 189, 481	Semp	.072
Citizen	.305, 064	Memorex	.131, 074, 506, 027, 064, 075, 062, 073, 267, 334, 066, 0189, 236, 481, 828, 829	Sharp	.075, 089
Colt	.099	Minolta	.1 32, 069	Shintom	.099
Craig	.064, 099, 074, 267, 298	Mitsubishi	.070, 200, 088, 102, 241, 269, 075, 094, 470	Shogun	.078.26 7
Curtis Mathes	.062, 068, 087, 189	Motorola	.062, 075	Singer	.099
Cybernex	.078, 267	Multitech	.027, 099	Sony	.060, 061, 059, 280, 027, 038, 062
Daewoo	.305, 588, 047, 072	NAD	.085	Sunpack	.28 0
Daytron	.047	NEC	.065, 067, 068, 077, 094, 109, 131	Sylvania	.062, 108, 027, 070, 130, 137
Denon	.06 9	Nikko	.06 4	Symphonic	.027
Dynatech	.027	Nikon	.061, 280	T M K	.063, 235, 267
Electrohome	.064	Noblex	.267	Tatung	.068
Electrophonic	.064	Olympus	.062, 253	Teac	.027, 068
Emerex	.059	Optimus	.189, 481, 075, 085, 064, 131, 459, 827, 828, 829	Technics	.062, 189, 273
Emerson	.211, 029, 236, 305, 063, 148, 238, 235, 321, 506, 088, 115, 239, 027, 064, 070, 095, 322, 388, 537	Optonica	.089	Teknika	.027, 062, 064, 079
Fisher	.074, 131, 081, 093	Orion	.506, 029, 211, 236, 322	Thomas	.027
Fuji	.060, 062	Panasonic	.062, 189, 481, 253, 104, 405, 129, 252, 254, 273, 827, 828, 829	Tivo	.064 5
Funai	.02 7	Penney	.062, 267, 064, 069, 065, 067, 081	Toshiba	.072, 237, 239, 070, 093, 393
GE	.062, 087, 075, 092, 229, 267	Pentax	.069, 092, 132	Totevision	.064, 267
Garrard	.027	Philco	.062, 236, 506	Unitech	.267
Go Video	.306, 459, 553, 259	Philips	.108, 062, 089, 137, 830, 831	Vector	.072
GoldStar	.064, 045, 065, 498, 507	Pilot	.064	Vector Research	.065, 067
Gradiente	.035, 027, 435	Pioneer	.085, 195, 094	Video Concepts	.067, 072, 088, 248
Grundig	.222	Polk Audio	.108	Videosonic	.267
H I - Q	.0 7 4	Portland	.047	wards	.062, 087, 089, 027, 074, 239, 267, 069, 075, 099, 108, 176
Harley Davidson	.027	Profitronic	.267	white Westinghouse	.099, 305, 236
Harman/Kardon	.065, 102, 108	Proscan	.087, 229	XR-1000	.099, 027, 062
Harwood	.095.09 9	Protec	.099	Yamaha	.065
Headquarter	.073	Pulsar	.066, 078	Zenith	.066, 027, 060, 061, 236, 506
Hitachi	.069, 193, 132, 092, 027, 068, 109				
Hughes Network Systems	.069				

DVD PLAYER

Denon	.859	Qnkyo	.860	Sony	.86 4
GE	.862	Optimus	.869	Technics	.859
Harman/Kardon	.871	Panasonic	.859	Theta Digital	.869
JVC	.868	Philips	.866, 860	Toshiba	.860
Kenwood	.865	Pioneer	.869, 863	Yamaha	.859, 867
Magnavox	.860	Proscan	.862	Zenith	.872, 860
Marantz	.866	RCA	.862		
Mitsubishi	.861	Samsung	.870		

TELEVISION

Magnavox	.0583	Philips	.583
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CODE-ENTRY CODE LIST FOR ACCESSORY DEVICES



ASER-D

ADS88 0
Aiwa85 5
Carver853, 850, 858
Denon851, 875, 849
Disco Vision848
Funai85 5
Harman/Kardon853
Hitachi848
Kenwood87 7
Magnavox853, 857, 875
Marantz853, 850

Mitsubishi849
NAD849
NEC879
Nikkodo884
Optimus849
Panasonic856
Philips853, 850
Pioneer849, 848
Polk Audio853
Quasar856
RCA881, 874

Realistic855
Samsung858
Sega848
Sharp873
Sony854, 852, 878
Technics856
Theta Digital853
Victor876
Yamaha857

ONVERTER

ABC030, 028, 034, 035, 038, 040, 041, 044
Allegro180, 342
Antronix049, 234
Archer049, 066, 180, 234, 824
BBT29 4
Belcor08 3
Bell & Howell041
Cable Star083
Cabletenna049
Cableview049
Century180
Citizen1 80, 342
Colour Voice052, 058
Comband259
Comtronics067, 087
Contec046
Digi66 4
Eastern029
Emerson824
Everquest042, 067
Focus42 7
GC Electronics083, 234
GE25 9
Garrard1 80
Gemini042, 097, 269, 824
General Instrument303, 503, 038, 837
GoldStar067, 171
Goodmind82 4
Hamlin047, 036, 286, 061, 300
Hitachi038

Hytex03 4
Jasco042, 180, 342
Jerrold030, 039, 303, 041, 038, 503, 051
.....042, 837
Linsay467
Macom06 0
Magnavox054
Memorex027
Movie Time090, 183
NSC090, 183, 097
Novaplex645
Oak046.03 4
Optimus048
Panasonic048, 134, 027
Panther664
Paragon027
Philips052, 058, 269, 317, 054, 180
Pioneer171, 050, 560
Popular Mechanics427
Prelude797
Pulsar027
Quasar027
RCA04 8
Radio Shack042, 847, 342, 824
Realistic234
Recoton42 7
Regal300, 047, 286
Regency02 9
Rembrandt038, 097
Runco02 7

SL Marx067
Samsung067, 171
Scientific Atlanta035, 044, 033, 504
Seam53 7
Signal042, 067
Signature038
Sprucer04 8
Star-Sight569, 449
Starcom030, 042
Stargate067, 042, 797, 824
Starquest042
Sylvania028
TFC33 7
TV86090
Tandy28 5
TeleCaption248
Teleview067
Texscan028
Timeless445
Tocom039, 040
Toshiba027
Tusa04 2
Unika180, 234, 049
United Artists034
Universal234, 049, 066, 083, 180, 218
Viewstar285, 054, 087, 090
Zenith027, 552, 081
Zentek427

SATELLITE RECEIVER/DIGITAL SATELLITE SYSTEM

AlphaStar799
Amplica099
Amway070.10 2
Arunta54 8
Astro Industries122
BMC114
BSR122
Cable Innovations581
Capetronic122
Century565
Channel Master045, 239
Chaparral080, 236, 243
Citoh191
Conifer031
Curtis Mathes088, 099
DX Antenna068
Drake091, 272, 045, 176
Echostar307, 802, 175, 186, 296
Expressvu802

General Instrument388, 896, 574, 581, 654
Gould08 2
HNS64 4
HTS80 2
Hitachi846
Homecable265
Hughes Network Systems776
Hytex122
IQ23 7
IQ Prism237
Intersat070
JVC80 2
Janel179
Jerrold388, 654
Legend29 6
Macom088, 045
Magnavox749, 751
Memorex296, 751
Next Level896

Norsat0.1
Panasonic1 79, 728
Philips227, 749, 751
Pico102
Primestar654, 388
RCA593, 170, 882
Radio Shack581, 896
Ramsey1 02
Realistic079, 078
STS237.06 8
Sony66 6
Star Choice896
Star Trak207, 448, 574
Strong44 8
Toshiba109, 776, 817, 088
Town & Country574
Uniden265, 079, 101, 397, 581, 751,
.....103, 323, 749
Zenith091, 883, 088



REMOTE CONTROL VCR SPECIFIC BUTTONS

When using the TV remote control with a VCR, first make certain it is set to control your VCR (by the REMOTE CODE or SEARCH method).

1 Press the VCR button on the remote control.

2 Point the top of the remote toward the front of the VCR (remote sensor window) when pressing the buttons.

Pause Button II

Press to temporarily stop the tape during a playback or recording. Press again to release Pause.

Rewind Button ◀◀

Press to rewind tapes. For some VCR's, the STOP button may have to be pressed first, then REWIND. In playback mode, hold down the button to view the picture moving rapidly in reverse.

Stop Button ■

Press to stop the motion of a tape in playback, rewind, fast forward, and so on.

VCR Button

Places the remote in the VCR Mode of operation to send commands to the VCR.

TV/VCR Button

Press while in the VCR mode (the VCR indicator on the front of the unit will light) to view the playback of a tape. Press again to place in the TV position (the VCR indicator light will go off) to view one program while recording another program.

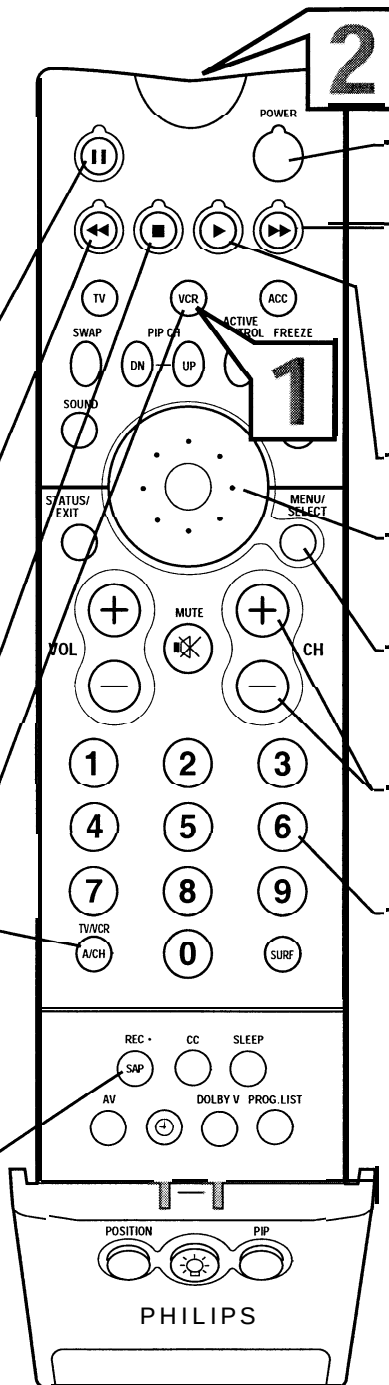
Record . Button

Hold the REC(ord/Sap) and PLAY ► buttons down to begin a VCR recording.

HELPFUL HINT

Remember, the VCR buttons on the remote will not operate your VCR if those features are not found on your VCR remote control.

NOTE: All VCR functions (particularly Search, Rewind, Fast Forward, etc.) will operate the same as with the original VCR remote control provided with the VCR.



Power Button

Press to turn the VCR ON and OFF.

Fast Forward Button ►►

Press to rapidly advance the tape. For some VCRs, you may need to press the STOP button first, then the FAST FORWARD button. In playback mode, hold the button down to view the picture moving rapidly in the forward direction.

Play Button ►

Press to begin playback of a videotape.

Cursor Ring UP/DOWN/LEFT RIGHT

Press to navigate the vcr onscreen customer controls.

Menu/Select

Press to display the VCR onscreen menu controls. Also used to make selection within the menu controls.

Channel + and - Buttons

Press to scan up or down through the VCR channel numbers.

Number Buttons

Press buttons for the direct selection of VCR channels.