

The only identifying mark on this remote is in the battery compartment, where there is a sticker that says: HE016



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## Introduction

Congratulations on your purchase of Philips
Magnavox Universal Remote Control. Philips
Magnavox Universal Remotes let you replace a
broken or lost remote or combine more than one
remote into one. In addition, this remote is
equipped with a command learning feature which
lets the remote learn commands from your original
equipment remote control!

This remote control operates the common features of most but not all models and brands of IR Infrared Controlled Video Equipment. This remote may provide functions that are not available on your equipment. Some functions of your particular equipment (e.g. menu functions) may not be controlled by this remote. In such cases, use the original remote control for your equipment. Please use this manual to become familiar with your Philips Magnavox Universal Remote. After you are familiar with your remote the first thing you need to do is to install batteries and setup your remote for your particular product and brand.

Thank you for buying a Philips Magnavox remote and we hope it will give you many years of service.

#### **Battery Installation**

- On the back of the remote, push down on the tab and lift the cover off.
- Match the batteries to the + and - marks inside the battery case, then insert 2 AAA Alkaline batteries.
- 3. Press the battery cover back into place.

#### **Battery Saver**

Your remote automatically times out if the buttons are depressed more than 30 seconds. This will save your batteries should your remote get stuck in a place where the buttons remain depressed (e.g., between the sofa cushions).



#### **Code Saver**

Codes are stored in permanent memory while you are changing batteries so you will not lose any codes stored in the remote while you are changing batteries. If you do want to delete any stored codes, see page 15.

#### **Power-On Default**

The remote powers on in TV mode.

#### TV Volume/Mute Punch-Through

The TV Volume/Mute punch-through feature lets you control the Volume and Mute function of your TV in any mode programmed to be a VCR, DVD, Cable or SAT device; without needing to change to TV mode.

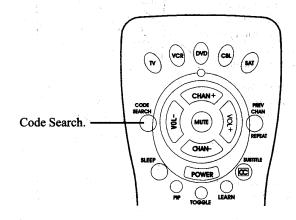
### VCR Punch-Through

Punch-through to VCR mode is only allowed in TV, VCR and Cable modes. SAT/DBS is dedicated for satellite mode.

#### **Code Setup**

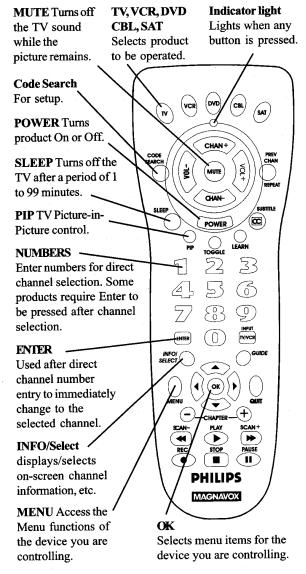
The Code Search button is used to setup the remote. You can either setup the remote using the code for your brand of product, from the code tables, or you can search through the library of codes until you find a code that works for your product.

NOTE: You can store any kind of code under any mode (except TV). I.E. you can store a VCR code under the CBL key, or a DVD code under the VCR key, etc. However, you can only store TV codes under the TV key.



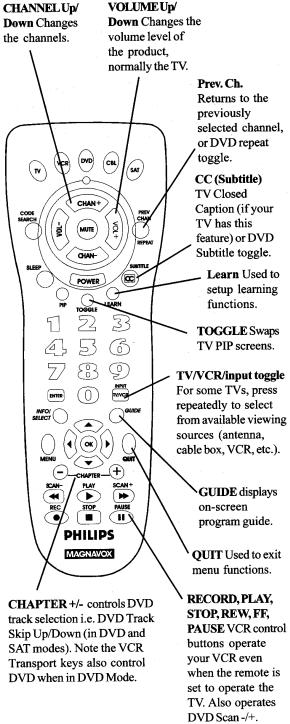
#### **Button Functions**

Some buttons on the remote might have functions that are referred to by different names on the device you are controlling. E.G. Prev. Ch. may be called RECALL, or ENTER may be called DISPLAY. These differences depend on the brand and model of your product. Also, this remote can only operate features that exist on your product. E.G., your product must be equipped with Prev. Ch. ability for the Prev. Ch. button to operate this feature.



Note: The REC button must be pressed TWICE to record from your VCR. For some brands of VCRs, you might need to press the REC button once, then press it again for three seconds.

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### **Advanced Button Functions**

#### **DVD**

Scan+ and Scan- buttons control the speed of Fast Forward and Reverse Playback respectively.

Chapter+ and Chapter- buttons respectively locate the succeeding or preceding Chapters or Tracks on a disc. Subtitle button brings up DVD Subtitle Menu for Subtitle selection and display.

Repeat button performs DVD players "A-B Repeat" (or RPT A.B) function for repeat play of current Chapter or Track.

**Info/Select** button brings up DVD Display or Control Menu for Chapter/Track/Title number, Time remaining/ elapsed indication, system information, etc.

**Menu** brings up the DVD disc Menu screen - use with the Up, Down, Left & Right navigation buttons. **OK** button is used for on-screen Menu selection. Note

some DVD players require the Play button to be used. **Quit** button is used to Exit or Clear on-screen Menu displays.

Play button is used to start Disc playback and for Menu selection on some DVD players.

Stop button stops Disc playback.

Pause button will pause Disc playback - press Play to resume.

Note - in DVD Mode the INPUT button activates the DVD Players SETUP Menu.

#### SAT

Guide button displays on-screen Satellite Channel

**Chapter+** and **Chapter-** buttons perform the "Page+" and "Page-" function for on-screen Guide Menus used by some Satellite systems.

**Info/Select** button brings up Satellite Display screen for current Channel and system information.

Menu brings up the Satellite Menu screen - use with the Up, Down, Left & Right navigation buttons.

OK button is used for on-screen Menu selection.

**Quit** button is used to Exit or Clear on-screen Menu displays.

**Input** button performs the Satellite TV/SAT function.

## TV/VCR Punch-Through

VCR Punch-through is automatically available in TV and Cable Modes only i.e. the 6 VCR keys (Play, Pause, Stop, Record, FF and Rewind) will punch-through to the device programmed under VCR when in either TV or Cable Modes.

The TV/VCR/INPUT button performs the TV/VCR antenna switch function when in VCR Mode.

The TV/VCR/INPUT button performs the A.B switch function when in Cable Mode.

The TV/VCR/INPUT button performs the TV/SAT switch function when in SAT Mode.

The TV/VCR/INPUT button performs the INPUT source switch function when in TV Mode.

The TV/VCR/INPUT button performs the DVD Setup function when in DVD Mode.

#### Misc.

**SELECT** means same as OKAY - some manufacturers use OKAY label and others use SELECT label on their remotes.

**CC** will activate the Closed Caption feature if your device has that feature.

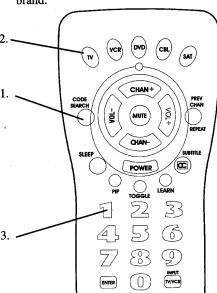
PIP (Picture-in-Picture) and TOGGLE buttons operate your television's Picture-in-Picture features. Use PIP to activate the feature and TOGGLE to swap between the displayed pictures on your TV.

#### TV/VCR and TV/DVD Combo units

Note that for some TV/VCR and TV/DVD combo units you might need to set up two different buttons to control both parts of the combo unit. E.G., (referring to the Direct Code Entry section on the following page) you might need to set up a code under the TV button to control the TV part of the combo unit AND a separate code for the VCR or DVD under any other button you choose.

## **Direct Code Entry**

- 1. Press and hold the Code Search button until the red indicator stays on. Release the Code Search button.
- 2. Press and release the desired mode button (TV, VCR, etc.).
  - The red indicator blinks, then stays lit.
- 3. Enter the 3 digit code from the code tables. Note: after a valid code entry, the red indicator turns off. For an invalid code, the red indicator flashes.
- 4. With your device on, press CHANNEL Up. If the device responds, no further programming is required. Note: If some buttons do not operate your equipment, try one of the other codes for your brand.



Write your codes down here for easy reference later.

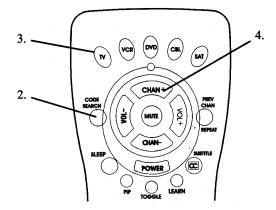
Туре	Type stored	Code
TV	TV	
VCR	VCP	
Cable	CD	
SAT	AUOID	
DVD	CVC	

### **Programming with Code Search**

- Manually turn on the device (TV, VCR, etc.) to be controlled.
- 2. Press and hold Code Search button until the red indicator stays on. Release the Code Search button.
- 3. Press and release the desired mode button (TV, VCR, etc.).
  - The red indicator blinks, then stays lit.
- 4. Press the Channel Up button repeatedly (up to 300 times) until the device to be controlled changes channel. The red indicator blinks, then stays lit. If you accidentally overshoot the code required, press the Channel Down button to backtrack through the library until the device changes channel. Pressing Channel Up changes direction to forward again. Press and release the Mute button to install the code.

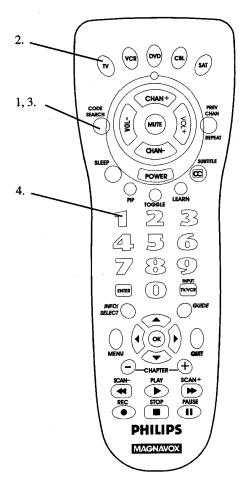
The above assumes that you want to store VCR codes under the VCR button, Cable codes under CBL, etc. If you want to store a VCR code under CBL, etc., first follow the procedure on page 10 and try ANY CBL code from the code tables, e.g. press CBL in step 2, page 10, and then enter ANY VCR code. Then follow the steps above.

Note: If the device does not have a Channel Up button, use Play (VCR only) or Power instead. Code Search starts from the currently stored three digit number under that mode e.g. if the mode has 100 codes and the currently stored code is 050 then the Code Search starts from 051 continuing to 100 before looping back to 000 and finishing at 050. This simplifies the process if you find that several preprogrammed codes operate your device by allowing you to bypass codes already tried.



#### **Code Identification**

- Press and hold Code Search button until the red indicator stays on. Release the Code Search button.
- 2. Press and release the desired mode button (TV, VCR, etc.).
  - The red indicator blinks, then stays lit.
- 3. Press and release the Code Search button. The indicator light blinks off.
- 4. To find the first digit for the code stored under the mode key pressed in step 2, press each numeric key from 0-9 in turn. When the indicator light blinks off the number you pressed is the first digit for the code you are searching for.
- To find the second digit, repeat step 4, this time when the indicator light blinks off this is the second digit.
- 6. Repeat step 4 again to find the third digit.



### Sleep Timer

The Sleep feature enables the remote to turn off the TV after a period of 1 to 99 minutes. Remote is to be in TV mode to set a Sleep Timer. This feature works even if your TV does not have this feature.

- 1. Press and release the TV Mode key.
- 2. Press and hold the Sleep button until LED remains on (occurring after approx. 2-3 seconds).
- 3. Release Sleep button.
- Press and release the numeric keys (01-99) for the time required. The LED will blink off to indicate keypress acceptance and remain off after second keypress.
- 5. TV Sleep Timer now set.
- 6. Leave the Remote pointing towards the TV with an unobstructed path.

To cancel the Sleep Timer, press and hold the Sleep key until the LED blinks or press and release the Power key in TV Mode.

### **Code Learning**

### **Tips On Learning**

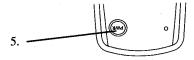
- Use fresh batteries for both the Learning Remote and the Original Remote.
- 2. Perform a Master clear (see page 15) before learning.
- Place the original remote end-to-end with the Learning Remote so the IR transmitters on both remotes are directly in line with each other. Keep the two remotes approximately one inch away from each other.
- 4. Experiment by learning 2 or 3 commands initially (to ensure compatibility and familiarity) and then carry out a Master Clear before completely learning your original remote's commands.
- Do not try to learn directly under an incandescent or low-energy light as these can cause interference with learning. Keep at least three feet away from any such light sources.

## Code Learning, cont.

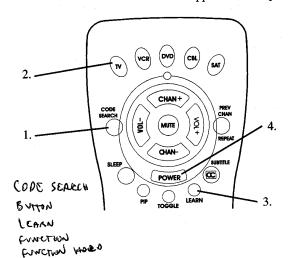
## **Learning Commands**

- 1. Press and hold the Code Search button until the red indicator stays on. Release the Code Search button.
- 2. Press the mode button for the type of device you want to learn (TV, VCR, Cable, etc.). The indicator lights blinks off once.
- 3. Press the Learn button.
- 4. Press the button on the Learning Remote that you want to teach, e.g. Power.
- 5. Point both remotes at each other (see tips on page 11). Press and hold the Original Remote button that you want to learn, e.g. Power, until the indicator light turns off. If there is a problem with learning, the indicator light blinks for three seconds but the remote remains in the Learning mode. If this happens, repeat from Step 4.
- 6.. Repeat Steps 4 and 5 for other buttons you want to learn.
- 7. Press and release the Code Search button when all desired original remote commands are learned. Code Learning is now complete.

Note:- No functions may be stored under the Code Search button, any mode button, or the Learn button.



Approx. 1 inch apart

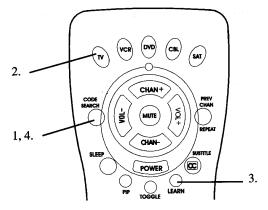


#### Code Learning, cont.

#### To Clear all Learned Commands under a mode

- Press and hold the Code Search button until the indicator light turns on. Release the Code Search button.
- 2. Press and release the button for the mode you want to clear (TV, VCR, etc.). The indicator blinks off.
- Press and release the Learn button TWICE. The indicator blinks off.
- 4. Press and release Code Search. The indicator blinks off.

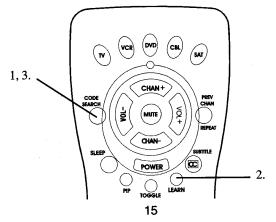
All learned Commands under that mode are now cleared.



# Master Clear - To Clear all Learned Commands, i.e. return to factory defaults

- Press and hold the Code Search button until the indicator light turns on. Release the Code Search button.
- 2. Press and release the Learn button TWICE. The indicator blinks off.
- Press and release Code Search. The indicator blinks off.

All Learned commands in the remote are now cleared.



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# Code List

TV	
ABEX	120
ADMIRAL701	
ADVENTURA	
AIKO	
ALLERON	
AMARK	
AKAI	
AMSTRAD	. 520
ANAM NATIONAL . 104	805
901 906	920
AOC 002 003 102	
217 302 502	
ARCHERAUDIOVOX	
BANG & OLUFSEN	
BELCOR	
BELL & HOWELL	
601	
BRADFORD	
BROKSONIC215	
BROKWOOD CANDLE 002 019 402	
CAPEHART	
CELEBRITY	
CENTURION	
CETRONIC	. 805
CITIZEN 002 112 40	
502 512 701 805 90	
CLAIRTONE	
CLASSIC	
CLP CLASSIC 013 01:	
COLORTYME 002 50	
CONCERTO00	
CONCIERGE	713
CONTEC/CONY 00	
805 90 CRAIG80	
CROWN80	
CURTIS MATHES	
103 112 50	
512 601 70	
CXC80	5 906
DAEWOO 002 102 11	0 214
303 311 314 40 502 503 611 805 80	3 407 9 909
DAYTRON00	
DIMENSIA60	
DUMONT00	
DYNASTY	805
ELEKTRA	
ELECTROBAND 00	
ELECTROHOME 00	
803 90 EMERSON . 002 003 00	
205 206 213 30	4 305
316 319 405 50	2 505
506 519 604 60	5 705
804 805 903 904 90	
ENVISION00	
FISHER 506 606 61 FUJITSU	
FUJI18U	∠∪0

TENTAT	206 805 906	
TUNAI	200 803 900	
FUNAIFUTURETEC	2805 906	
GE 002 (	006 007 018 107	
JE 002 (	000 007 018 107	
114 310 3	312 502 601 704	
719 803 8	806 810 901 911	
/19 803 6	800 810 901 911	
GIBRALTER	002 713	
COLDCEAD (	202 102 117 207	
GOLDSTAR (	002 102 117 207	
217	307 502 818 914	
	201 202 010 211	
GRUNDY	206 906	
HALLMARK	002 502	
HARVARD	906	
НІТАСНІ	002 016 116 216	
miacm	002 010 110 210	
	315 502 507 515	
	519 607 615 701	
	319 007 013 701	
707	715 815 902 915	
IMA	906	
INFINITY	807	
INTEQ	713	
INTEQ	/13	
JANEIL	019	
JBL		
JCB	801	
TO DEPOSIT	000 007 100	
JC PENNY	002 007 102	
402	107 112 310 312	
	107 112 510 512	
402	502 512 601 704	
719	803 806 818 907	
	003 000 010 707	
JENSEN	002 502	
JVC	007 107 108	
J V C		
	308 510 607 902	
KAWASHO	002 502 801	
KAYPANI	119	ł
KEC	805	
NEC	803	
KENWOOD	002 502 914	
IZE OCC NOV	ADEAM 010	١.
KLOSS NOV		
	408 508	;
KONKA	408 508 203 208 219	,
KONKA	408 508 203 208 219	,
KONKA	408 508 203 208 219 306 317 417	)
KONKA	408 508 203 208 219 306 317 417 003 213 319	;
KONKA	408 508 203 208 219 306 317 417 003 213 319	;
KONKA		;
KONKA		,
KONKA KTVLODGENET		,
KONKA KTV LODGENET LOEWE		,
KONKA KTV LODGENET LOEWE LOGIK		,
KONKA KTV LODGENET LOEWE LOGIK		
KONKA KTV LODGENET LOEWE LOGIK LUXMAN		3 7 3 5 . 7 . 2
KONKA KTV LODGENET LOEWE LOGIK LUXMAN		3 7 3 5 . 7 . 2
KONKA KTV LODGENET LOEWE LOGIK LUXMAN		
KONKA KTV LODGENET LOEWE LOGIK LUXMAN LXI		
KONKA  KTV  LODGENET LOEWE LOGIK  LUXMAN LXI		
KONKA  KTV  LODGENET LOEWE LOGIK  LUXMAN LXI		107 ) 5 . 7 . 2 . 5 7 9
KONKA  KTV  LODGENET LOEWE LOGIK LUXMAN LXI		60703
KONKA  KTV  LODGENET LOEWE LOGIK LUXMAN LXI		60703
KONKA KTV LODGENET LOEWE LOGIK LUXMAN LXI		3) 7 3 2 5 7 9 3 7
KONKA  KTV  LODGENET LOEWE LOGIK LUXMAN LXI		3), 3) 5, 7, 2, 5, 7, 9, 8, 7, 1
KONKA  KTV  LODGENET LOEWE LOGIK LUXMAN LXI		3), 3) 5, 7, 2, 5, 7, 9, 8, 7, 1
KONKA  KTV  LODGENET LOEWE LOGIK LUXMAN LXI		60708717
KONKA  KTV  LODGENET LOEWE LOGIK LUXMAN 512 MAGNAVO)		3) 7) 5 . 7 . 2 5 7 9 8 7 1 7 7
KONKA  KTV  LODGENET LOEWE LOGIK LUXMAN 512 MAGNAVO)		3) 7) 5 . 7 . 2 5 7 9 8 7 1 7 7
KONKA  KTV  LODGENET LOEWE LOGIK  LUXMAN  512 MAGNAVOX		10 10 10 10 10 10 10 10 10 10 10 10 10 1
KONKA KTV  LODGENET LOEWE LOGIK LUXMAN 512 MAGNAVOY118502 508 MAJESTIC MARANTZ MATSUI MEGATRON MEI		30703717773
KONKA KTV  LODGENET LOEWE LOGIK LUXMAN 512 MAGNAVOY118502 508 MAJESTIC MARANTZ MATSUI MEGATRON MEI		30703717773
KONKA KTV  LODGENET LOEWE LOGIK LUXMAN 512 MAGNAVO?118502 508 MAJESTIC MARANTZ MATSUI MEGATRON MEI MEMOREX		307037177732
KONKA KTV LODGENET LOEWE LOGIK LUXMAN 512 MAGNAVO?118502 508 MAJESTIC MARANTZ MATSUI MEGATRON MEI MEMOREX		6979677777326
KONKA KTV LODGENET LOEWE LOGIK LUXMAN 512 MAGNAVO?118502 508 MAJESTIC MARANTZ MATSUI MEGATRON MEI MEMOREX		6979677777326
KONKA KTV LODGENET LOEWE LOGIK LUXMAN LXI		30703717773255
KONKA KTV LODGENET LOEWE LOGIK LUXMAN LXI		30703717773255
KONKA KTV LODGENET LOEWE LOGIK LUXMAN LXI		307037177732554
KONKA KTV LODGENET LOEWE LOGIK LUXMAN LXI		6070677777826642
KONKA KTV LODGENET LOEWE LOGIK LUXMAN 512 MAGNAVOX		6070677777826642
KONKA KTV LODGENET LOEWE LOGIK LUXMAN 512 MAGNAVOX		6070677773266423
KONKA KTV LODGENET LOEWE LOGIK LUXMAN 512 MAGNAVOX		307037177732554235
KONKA KTV LODGENET LOEWE LOGIK LUXMAN 512 MAGNAVO?118502 508 MAJESTIC MARANTZ MATSUI MEGATRON MEI MEMOREX MGA MIDLAND MINUTZ MINUTZ MITSUBISH		3070371777325542352
KONKA KTV LODGENET LOEWE LOGIK LUXMAN 512 MAGNAVO?118502 508 MAJESTIC MARANTZ MATSUI MEGATRON MEI MEMOREX MGA MIDLAND MINUTZ MINUTZ MITSUBISH		3070371777325542352
KONKA  KTV  LODGENET LOEWE LOGIK  LUXMAN  512 MAGNAVO? 118502 508 MAJESTIC MARANTZ MATSUI MEGATRON MEI MEMOREX MIDLAND MINUTZ MINUTZ MINUTZ MINUTZ		3070371773255423529
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KONKA KTV LODGENET LOEWE LOGIK LUXMAN LXI		30,000,000,000,000,000,000,000,000,000,
KONKA KTV LODGENET LOEWE LOGIK LUXMAN LXI		697967777326642862941
KONKA KTV LODGENET LOEWE LOGIK LUXMAN LXI		697967777326642862941
KONKA KTV LODGENET LOEWE LOGIK LUXMAN LXI		607067 2570871773255423529411

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MTC002 003 102
112 502 512
MULTITECH
MULTIVISION
NAD 002 120 502 512
NEC 002 102 110 111
502 510 602 901
NIKEI 805
NIKKO002 407 502
NTC407
ONKING 805
ONWA 805 906
OPTIMUS120 618
OPTONICA111 918
ORION 105 115 713
PANASONIC 007 107 516
608 618 718 807 901
PHILCO 002 009 102 109
309 402 408 502
508 807 901 914
PHILIPS 002 009 109 202
209 210 310 402 408
508 510 807 901 914 917
PILOT 002
PIONEER002 120
502 519 610
PORTLAND002 102 407 502
PRECISION 218
PRICE CLUB 112
PRISM 107
PROSCAN 312 601 704 719
PROTON002 119
220 502 910
PULSAR 713
PULSER 002
QUASAR 007 107 516 608
618 718 807 901
RADIO SHACK/REALISTIC.
002 111 117 406
502 506 601 618 704
705 805 818 906 914
RCA 002 011 102 211 302
312 318 320 406 409 411
420 502 511 514 519 601
702 711 719 809 811 901
909 911 912 914
RHAPSODY 003
RUNCO 713
SAMPO 002 119 502 818
SAMSUNG 002 012 102 103
112 212 502 512 818 914
SAMSUX 502
SANSUI 115 215
SANYO 002 412 506 619 902
SCOTCH002 502
SCOTT002 004 105
206 502 805 906
SEARS . 002 112 206 312 502
506 512 520 601 612
619 704 719 902 914
SHARP 002 013 014 111 502
712 812 813 913 918
SHOGUN 002
SIGNATURE 601 701 903
SIMPSON 402
SONIC 003
SONY202 708 801
SON I202 /00 601

SOUNDESIGN 002 206 402
502 805 906
SPECTRAVISION 921
SQUAREVIEW 520
SSS002 805 906
STARLITE 906
SUPREMACY 019
80PREME 801
SYLVANIA . 002 009 109 209
508 717 807 914 917
SYMPHONIC, 520 904 906
TANDY 918
TATUNG \ 901
TECHNICS
TECHWOOD002 007
107 502
TEKNIKA 002 019 102 112
206 209 402 407 502 512
601 618 701 805 902 906
TELECAPTION 313
TELERENT601 701
TERA002 220
TMK002 502
TOSHIBA 112 313 413 506
510 512 613 902
UNIVERSAL310 806
VICTOR 607
VIDTECH002 102 502
VIKING 019
WARDS 002 004 009 102
109 111 206 209 310
408 502 508 513 601
701 704 806 807 914
WHITE WESTINGHOUSE
311 611
YAMAHA 002 102 502 914
YUPITERU 805
ZENITH002 008 115
215 405 407 601
701 713 903 916
41 (4)
VCR
ADMIRAL 224
ADVENTURA 726
AD VENTURA /40

ADMIRAL	224
ADVENTURA	726
AIKO	
AIWA 126 324 528	726
AKAI 027 235 335	
524 624 724	924
ALLEGRO 326 534	
AMERICAN HIGH 130	226
ASHA	425
AUDIO DYNAMICS.025	
AUDIOVOX	525
BELL & HOWELL	
BEAUMARK	
BROKSONIC227	
530 626	
CALIX	
CANDLE 025 026	
525 625 725	
CANNON 130 226 535	
CAPEHART 135	
CARVER	
CCE230	826

	CITIZEN 025 026 425 525	MGA027 630
	625 725 825 826	MGN TECHNOLOGY 425
	COLORTYME 025	MIDLAND 429
	COLT 230	MINOLTA629 834
	CRAIG 230 425 426 525	MITSUBISHI 027 031 131
	CRAIG 230 423 420 323	000 001 000 401 426
	CURTIS-MATHES 025	229 231 329 431 436
	124 130 226 324	531 629(630)730 930
	425 526 635 725	MONTGOMERY WARD 224
		MONTGOMERT WINE 221
	CYBERNEX 425	631
	DAEWOO 026 135 625 626	MOTOROLA 130 224 226
	726 825 826 926	MTC324 425 726
		101 C
	DAYTRON135	MULTITECH324 425
	DBX 025 436	726 429 230
	DIMENSIA 124	NEC 025 235 428 526 530
		705 721 921 921 426
	DYNATECH324 726	725 731 831 931 436
	ELECTROHOME 027 525	NIKKO 525
	ELECTROPHONIC 525	NOBLEX 425
		OLYMPIC 120 226
	EMERSON . 027 028 127 128	OLYMPUS130 226
		OPTIMUS 035 224 525
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	323 321 421 426 323	
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	627 628 630 634 724	ORION 227
	726 727 735 827 828 927	PANASONIC 035 039 130
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×	FISHER 025 029 129 328	226 635 636 937 938
٠		PENTAX 136 629 725 834
	FUЛ130 226 524	PENTEX RESEARCH 025
	FUJI 130 220 324	
	FUNAI324 726 924	PHILCO 130 226 330 635
	GARRARD 726	PHILIPS 130 226 330
	GE124 130 136 226	536 631 734 738
	GE 124 130 130 220	
	425 429 635 835	PILOT 525
	GOLDSTAR 025 236 525	PIONEER 132 232 436 629
	GRADIENTE 726	PORTLAND026 135 725 825
		PROSCAN 124
	GO-VIDEO438 537	
	HARLEY DAVIDSON 726	PROTEC 230
	HARMAN KARDON 025 930	PULSAR 534
	HARWOOD 230	QUARTER 428
		QUARTER
	HEADQUARTER 428	QUARTZ428
	HITACHI 136 235 324 336	QUASAR 130 226 635 636
	538 629 638 829 834	RCA 033 124 130 133
		136 226 233 332
	HI-Q 426	130 220 233 332
	INSTANT REPLAY 130	424 425 432 532 629
	226 924	636 732 832 834 932
	226 924	636 732 832 834 932
		636 732 832 834 932 RADIOSHACK/REALISTIC
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SONY 034 038 138	
238 524 838 936	MAGNA
STS130 226 629 834	MEMOR
SYLVANIA 130 324 330	MOVIE
536 630 635 726	NSC
SYMPHONIC 225 324 726	
	OAK
TANDY324 428	PACE
TASHIKO 525	PANASO
TATUNG 235	PARAGO
TEAC235 324 726	PHILIPS
TECHNICS 035 130 226	
TEKNIKA 130 134 226	PIONEE
324 525 726	PULSAR
TiVo738 838	RADIO S
TOSHIBA029 330 433	RCA
625 629 630 735	REALIST
TOTEVSION425 525	REGAL .
TMK425 526 828	REGENO
UNITECH 425	REMBR
VECTOR RESEARCH 025	RUNCO
	SAMSUN
625 725	SCIENT
VICTOR 436	
VIDEO CONCEPTS025 027	SIGNAL
436 625 725	SIGNAT
VIDEOSONIC 425	SL MAR
WARDS 027 130 224 226	SPRUCE
230 234 324 425 426 525	STANDA
625 629 631 726 735 834	
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324 924	STARGA
XR-1000 130 226 230 726	STARSIC
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254 348 449 454 552
554 652 747 752 947
MAGNAVOX150
MEMOREX 250
MOVIE TIME350 847
NSC350 847
OAK249 550 847
PACE 854
PANASONIC452 647
PARAGON 250
PHILIPS 150 549 650 748
750 848 850 948
PIONEER
PULSAR
RCA352 647
REALISTIC 548
REGAL 849
REGENCY 349
REMBRANDT 947
RUNCO 250
SAMSUNG049 051
SCIENTIFIC ATLANTA 248
251 351 451
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TELEWEST 854
TEXSCAN 551
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UNIKA448 548 748
UNITED ARTISTS 847
UNITED CABLE 747
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VIDEOWAY 048 748 831
VIEWSTAR 149 150 350 651
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ZENITH054 154 250
353 354 450 553
653 753 853 951 953
SAT
AMPLICA 159
CHANNEL MASTER 359
459 559
437 337
CHAPPARAL 657 659 757
CHAPPARAL 657 659 757 CHEYENNE 757 DRAKE 059 360 857

DISH NETWORK 366 460
464 560 660 962
DX ANTENNA458 859
ECHOSPHERE464
ECHOSTAR 366 460 464
560 660 962
EXPRESSVU 464
FUJITSU760 860
GE265 863
GENERAL INSTRUMENTS.
258 865 960 965
DSS HITACHI765 864
DSS HITACHI /03 804
DSS HUGHES SATELLITE
465 564 664 864 964
JANEIL 261
JERROLD 361
JVC 466
KENWOOD 461
LUXOR 561
DSS MAGNAVOX 259
565 862
MACOM STATE 661
NORSTAT761 861
DSS PANASONIC 760 764
DSS PANASONIC 260 264
PRIMESTAR 364
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PRIMESTAR 364 PHILIPS259 565 862 PHILIPS/MAGNAVOX 259
PRIMESTAR

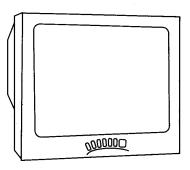
#### DVD

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APEX	. 044
DENON641	
ELTA045	
EMERSON	
FISHER	
GE	
GO-VIDEO342	
HITACHI 042 543	
HARMAN/KARDON	. 344
JVC242	
INTEGRA	
KENWOOD641	
KONKA 642 742 842	
MAGNAVOX441	
MARANTZ441	
MITSUBISHI	
MUSTEK	
NAD	
NAKAMICHI	
ONKYO	
ORITRON	
PANASONIC641	
PHILIPS441 442	2 943
PIONEER042	2 545
PROSCAN042	
RCA941	
SAMSUNG	
SAMPO	
SEGSHARP	
SHERWOOD	
SHINCO	
SONY	
TEAC 042	
TOSHIBA44	
ZENITH241 142	
YAMAHA641	
YAMAKAWA	
IAMAKAWA	. 443
Laser Disc	
DENON	. 132

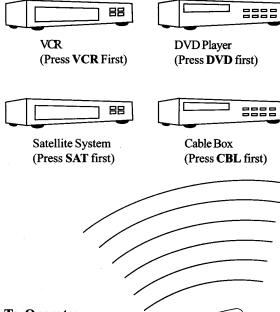
DENON	132
PIONEER	132
PROSCAN	432
RCA	432
SANYO	824
SONY	933
ZENITH	824

# **Product Operation**

After the batteries are installed and you have programmed the remote for the codes that operate your products, you can use your remote to operate a TV, VCR, Cable Box, or Satellite System, etc.



TV (Press TV First)



## To Operate:

- 1. Press the TV, VCR, CBL, SAT, etc. button (depending on which product you want to operate).
- 2. Aim the remote at the product.
- 3. Press POWER to turn on the product.
- 4. Press other buttons to operate the features of your product.