

REMOTE CONTROL MODEL MBR3430

OPERATION

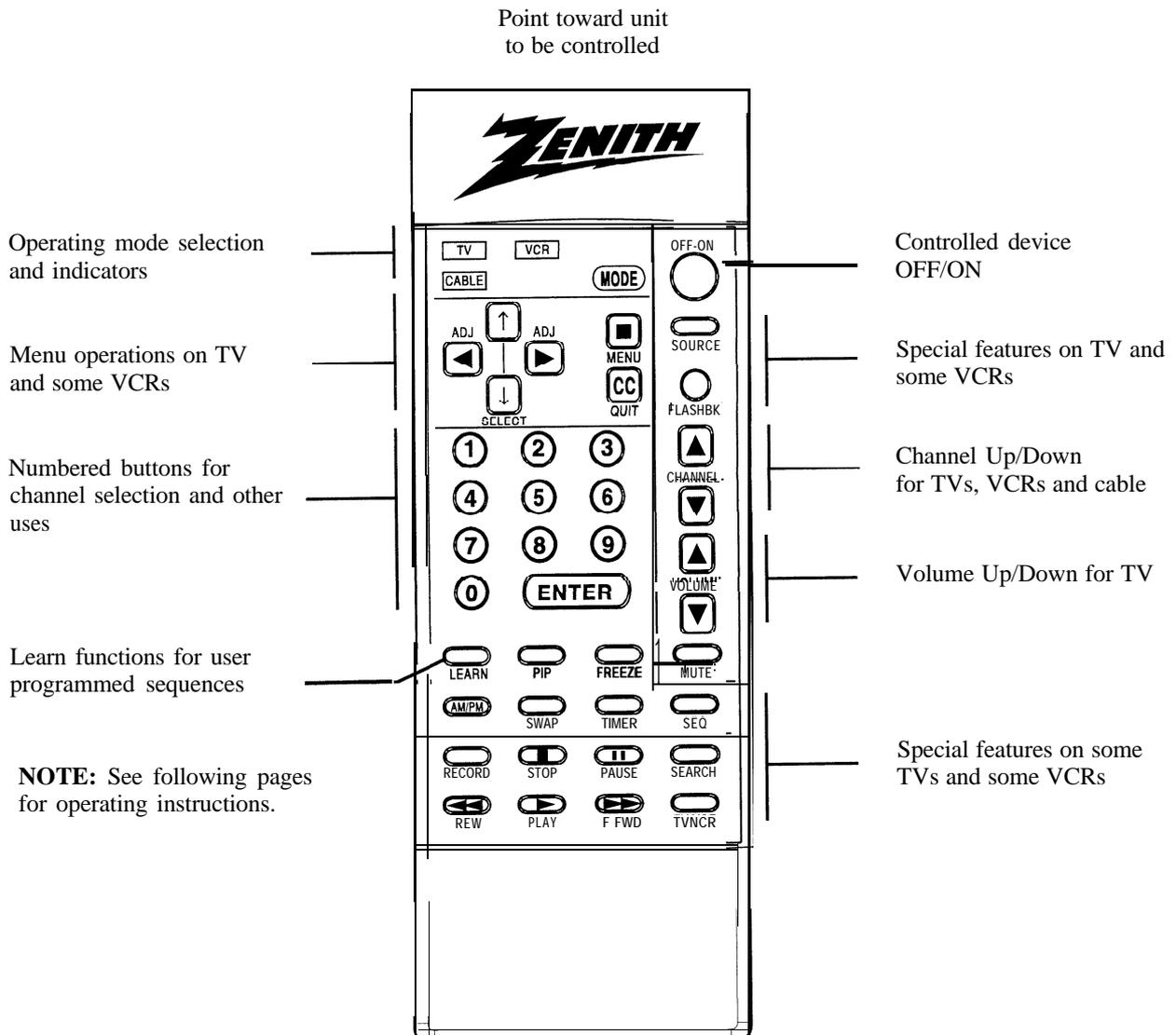
The multi-brand remote supplied with your new Zenith TV allows you to operate most models of infrared (IR) remote-controlled TVs, VCRs and cable-TV converters, even if they are all different brands.

Your multi-brand remote has already been programmed to operate your Zenith TV, a Zenith VCR and a Zenith cable-TV decoder. It must be "taught" to operate other brands. Refer to "Auto Find Mode" and "Programming Your Remote Control" for details.

CHOOSE THE OPERATING MODE

To operate your TV, VCR or CABLE-TV decoder, you must first choose the remote's mode of operation. To select the mode, press the MODE key until the desired indicator lights.

Some KEYS on the remote will always operate a particular appliance. For example, VOLUME always operates the TV volume and PLAY always operates the VCR. The function of other keys depends on the mode selected.



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TV OPERATIONS

The following functions and operations apply to your Zenith TV. The remote control must be in the TV mode to operate your TV.

MODE

Used to select the TV mode of operation.

TV

Lights when TV mode of operation is selected.

CC (Closed Captions)

Used to view closed captions broadcast with some television programs.

MENU, SELECT and ADJUST

Used with on-screen menus to see menu, select an option, and adjust that option.

Numbered Buttons

Used to select a TV channel.

ENTER

Used to view the Channel/Time Display or to remove any on-screen menu or display.

LEARN

Used to program remote.

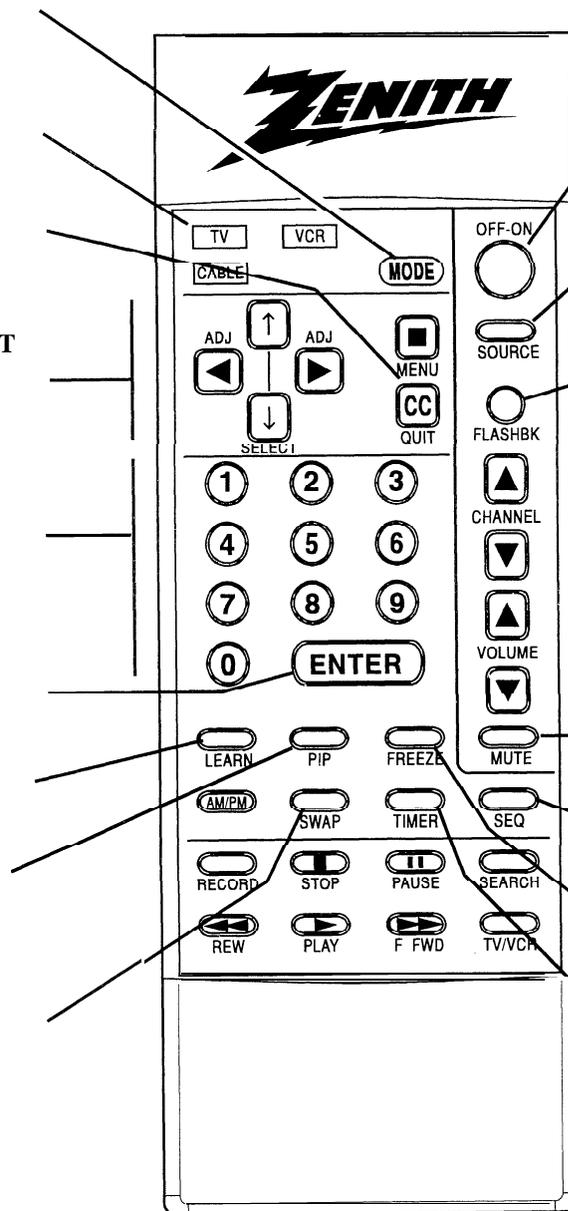
PIP

Used to activate Picture-In-Picture inset.

SWAP

Used to swap picture in PIP inset with the main television picture.

↑
Point toward your TV.



OFF/ON

Used to turn TV ON or OFF.

SOURCE

Used to display the menu of TV sources for some TVs. Press again to step through the source selections. On some TVs, press to select AUX (Auxiliary) channel,

FLASHBK (Flashback)

Used to return to the last TV channel you were watching.

CHANNEL Up/Down

Used to sequence through the TV channels.

VOLUME Up/Down

Used to adjust the TV's volume.

MUTE

Used to turn off sound while the picture remains. Press again to restore the sound.

SPATIAL EQUALIZATION (SEq)

Used to select SEQ audio mode on TVs equipped with SEQ feature.

FREEZE

Used to freeze the motion of the picture on the PIP inset.

TIMER

Used to activate the SLEEP TIMER. Press repeatedly to select desired turn-off time.

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VCR OPERATIONS

The following functions and operations apply to Zenith VCR models built after 1988. The remote control must be in the VCR mode to operate your VCR.

The remote control supplied with your VCR may have keys not duplicated on the new remote. If these functions are desired, the original remote control will have to be used.

↑
Point toward your VCR.

MODE

Used to select the VCR mode of operation.

VCR

Lights when VCR mode of operation is selected.

MENU, SELECT, ADJUST and QUIT

Used with on-screen menus and programming options of the VCR. See VCR operating guide for details.

Numbered Buttons

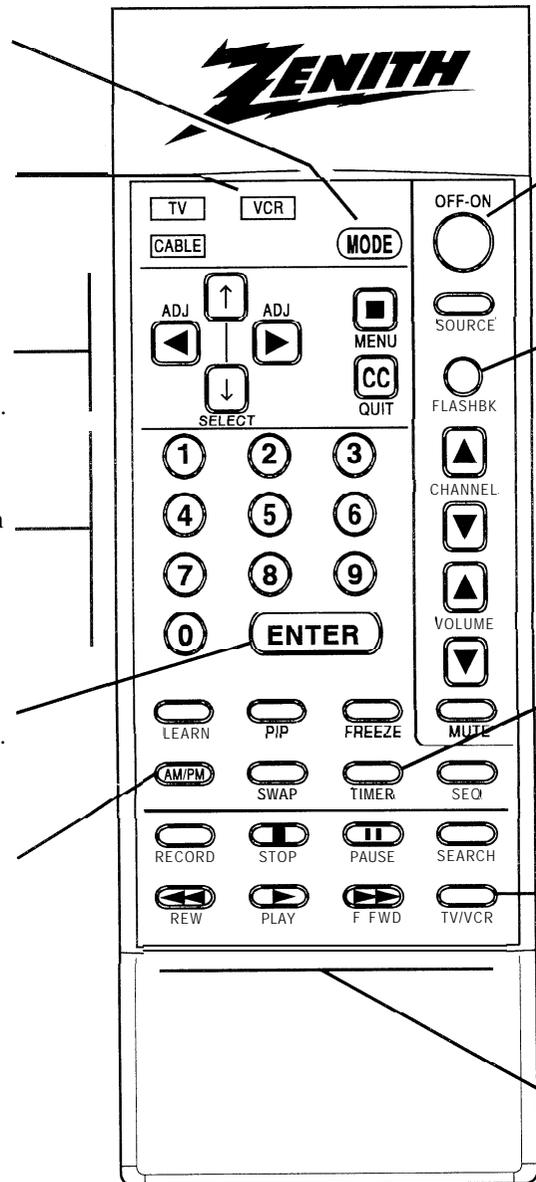
Used to select a TV channel through the VCR. Also, used to set the timer in the VCR, and to enter programming information.

ENTER

Used with the numbered buttons to select a TV channel through the VCR.

AM/PM

Used to set timer during programming.



OFF/ON

Used to turn VCR ON or OFF.

FLASHBK (Flashback)

Used during VCR playback to view the channel tuned by the VCR.

CHANNEL Up/Down

Used to sequence through channels on the VCR.

TIMER

Activates TIME RECORD on some VCRs. See the VCR operating guide for details.

TV/VCR

Used to select the source of the programs seen on the TV. Switches the VCR between TV mode and VCR mode.

TV Mode: Channels are selected through the TV.

VCR Mode: Channels or tape operation are selected through the VCR.

RECORD, STOP, PAUSE, SEARCH, REW, PLAY and F FWD

Used for tape recording and playback functions. See the VCR operating guide for details.

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CABLE-TV OPERATIONS

The following functions and operations apply to a Zenith cable-TV decoder. The remote control must be in the CABLE mode to operate your cable-TV decoder.

The remote control supplied with your cable-TV decoder may have keys not duplicated on the new remote. If these functions are desired, the original remote control will have to be used.

MODE

Used to select the Cable mode of operation.

CABLE

Lights when CABLE mode of operation is selected.

MENU, SELECT, ADJUST and QUIT

Functions depend on Cable-TV system. See Cable-TV decoder operating guide for details.

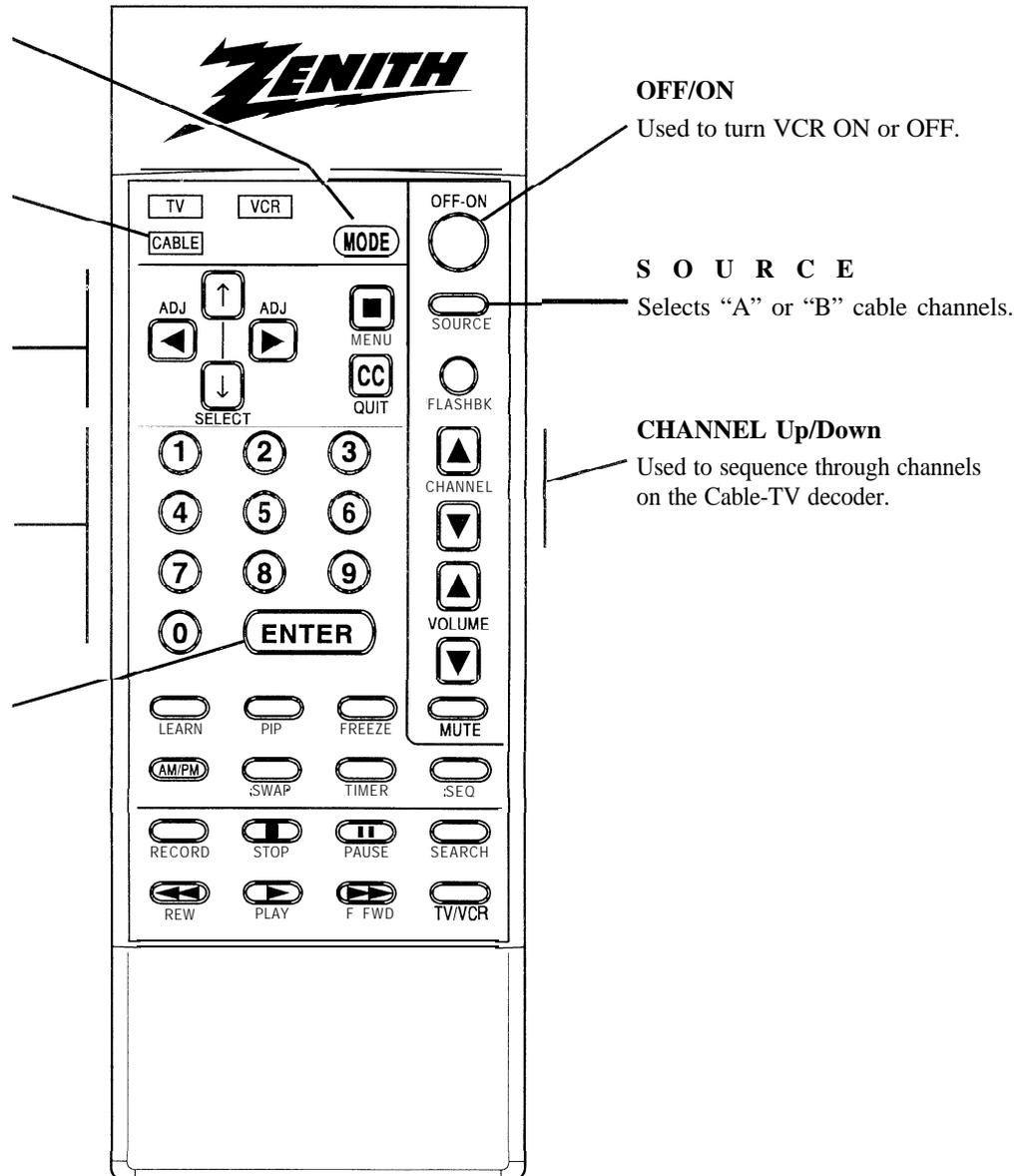
Numbered Buttons

Used to select channels through Cable-TV decoder.

ENTER

Used with the numbered buttons to select a TV channel through the Cable-TV decoder.

Point toward your Cable-TV decoder.



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PREPARATION FOR USE

Batteries are provided with this remote, but you must install them before using the remote.

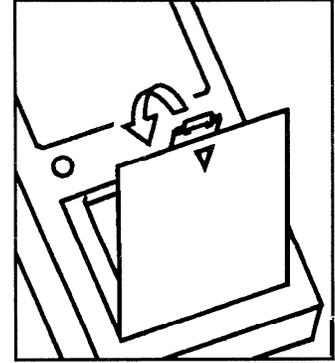
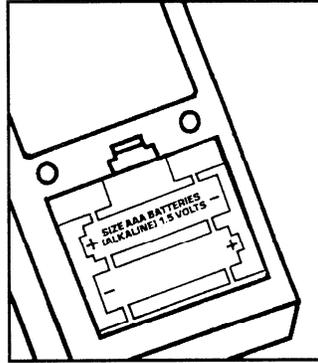
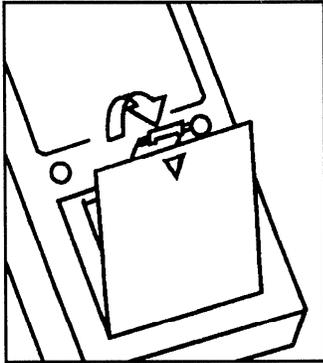
INSTALLING BATTERIES

When the effective operating range of your remote becomes noticeably shorter, replace the batteries with two high-quality, alkaline, size AAA batteries.

Zenith is not responsible for damage caused by battery leakage.

After installing **new** batteries, the remote control will set itself to Zenith brand codes, as follows: TV=10 I, VCR=20 1 and CABLE=30 1.

If you are going to operate equipment that uses different codes, the remote must be reprogrammed for those codes.



AUTO FIND MODE

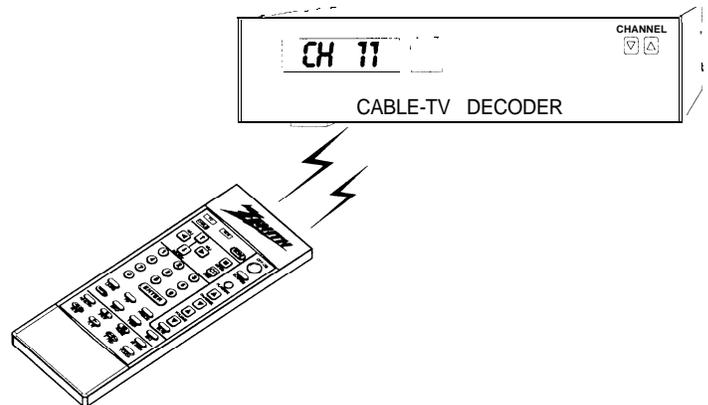
Use Auto Find to automatically find the brand code needed to operate your equipment.

NOTE: If no button is pressed for 60 seconds or more during Auto Find, the remote will automatically exit Auto Find without storing any brand codes. (LEDs will flash 3 times upon exiting.)

1. Turn on the equipment you wish the remote to operate.
2. Press and hold LEARN until mode indicator lights (about 4 seconds).
3. Use MODE to select the mode you wish to program (TV, VCR or CABLE).
4. Enter "00" then press ENTER within 2 seconds. All four mode indicator lights will turn ON and then OFF, leaving the mode indicator light for the active mode ON.
5. Point remote towards the equipment.
6. Press and release OFF/ON on the remote about once every second, until the equipment turns OFF. **Press ENTER before pressing any other buttons.**

If you press OFF/ON again before pressing ENTER Auto Find will have to be repeated.

7. Try other buttons to see if they operate the equipment. If they do not, you may wish to reenter Auto Find and try to find another code. The remote will begin with codes starting from where it left off prior to exiting Auto Find.



8. Repeat Auto Find for each piece of equipment you want your remote to operate. **NOTE:** Only one brand code can be programmed in each of the four modes.

If no brand code has been entered after searching through all brand codes in any mode, the remote will flash all four mode indicator lights in a chasing manner. Wait 60 seconds or press ENTER or LEARN to return to normal operation.

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PROGRAMMING BRAND CODES

Introduction

Before using your new remote control, it must be programmed to recognize the brands of equipment it will be used to operate. If you are using a Zenith VHS VCR or a Zenith cable-TV decoder, the remote has already been programmed for you.

Find the code that corresponds to each brand and type of equipment you are going to operate. Refer to Tables 1, 2 and 3.

For example, if you were programming the remote for use with a Zenith TV, you would look for "Zenith" in "Table 1", and find code "101."

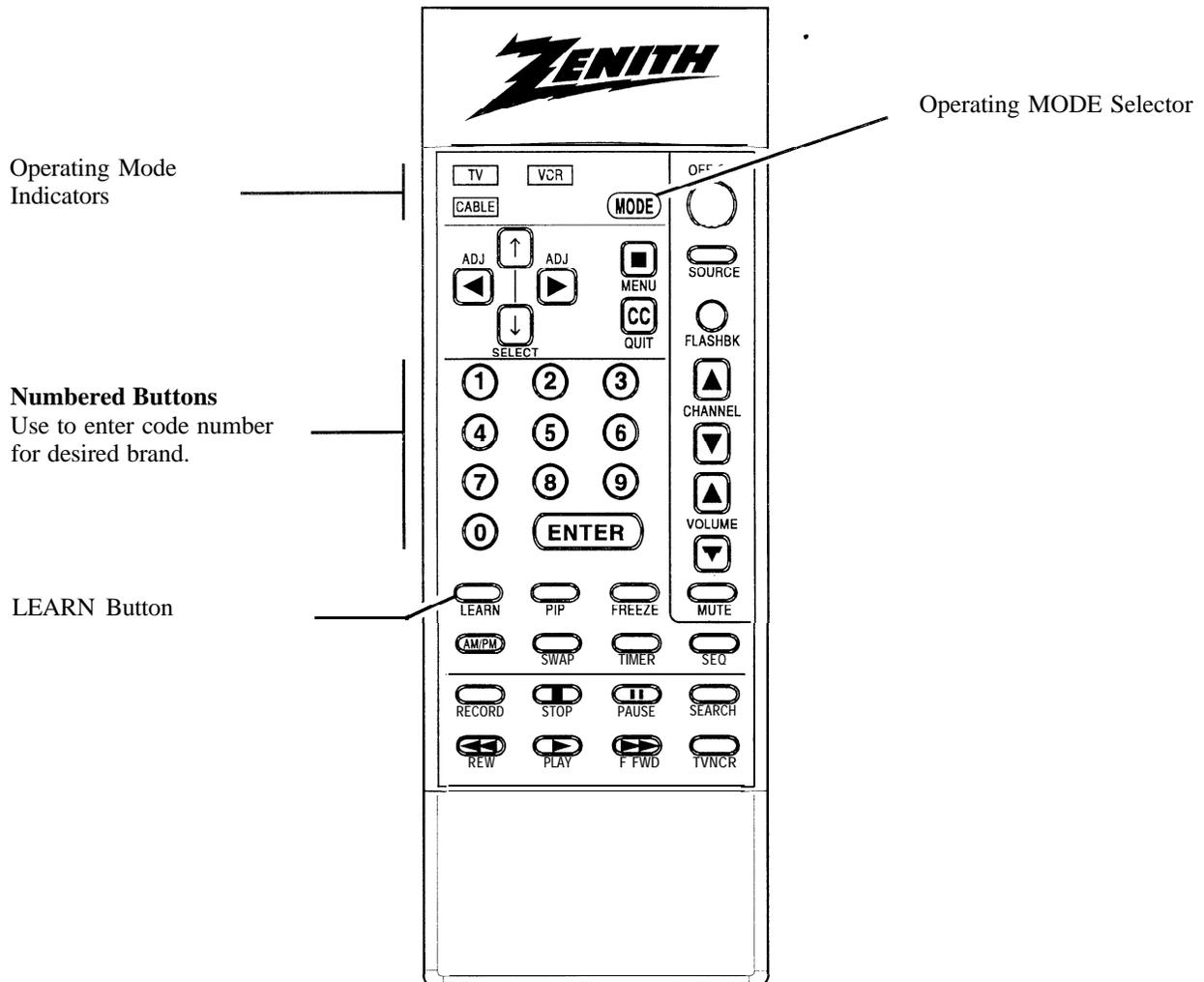
Write the brand codes for your equipment on the following lines.

TV CODE: _____
 CABLE CODE: _____
 VCR CODE: _____

1. Press MODE repeatedly to select the desired TV, VCR or CABLE operating mode for the remote.
2. Press LEARN for about 5 seconds until the MODE indicator lights for the selected TV, VCR or CABLE mode of operation.
3. Enter the proper brand code number for the equipment to be controlled.
4. Press LEARN. All three mode indicators should light briefly, then turn off to indicate the brand code has been programmed.
5. If all three mode indicators fail to light briefly, an error has occurred. Repeat Steps 1-4 to try again.
6. Repeat steps 1-4 to program the remote for the other equipment you are using.

NOTE: CABLE mode can be programmed to operate a second TV or second VCR, if desired.

When batteries are removed: It will be necessary to reprogram the proper VCR and cable-TV decoder codes.



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TV, VCR AND CABLE-TV OPERATING CODES

Table 1. TV Codes by Brand

TV Brand Name	Code	TV Brand Name	Code
Admiral	116	Montgomery Ward	119
Admiral	121	Montgomery Ward	121
Akai	104	Montgomery Ward	130
Amark	103	NEC	104
AOC	104	NEC	119
Bell & Howell	121	Panasonic	106
Centurion	119	Panasonic	107
Coronado	103	Philco	103
Curtis Mathes	116	Philco	104
Curtis Mathes	119	Philco	112
Curtis Mathes	121	Philco	113
Daytron	119	Philips	112
Emerson	103	Philips	113
Emerson	104	Pioneer	135
Emerson	123	Portland	103
Emerson	124	Quasar	106
Emerson	131	Quasar	107
Emerson	136	Realistic	105
Fisher	109	Realistic	123
Fisher	118	Realistic	124
General Electric	106	RCA	104
General Electric	107	RCA	116
General Electric	114	RCA	126
General Electric	116	Sampo	119
Goldstar	103	Samsung	103
Goldstar	104	Samsung	119
Goldstar	119	Samsung	134
Hitachi	102	Sanyo	108
Hitachi	103	Sanyo	109
Hitachi	129	Sanyo	118
JVC	125	Scott	119
JVC	132	Sears	103
J.C. Penney	104	Sears	108
J.C. Penney	110	Sears	109
J.C. Penney	114	Sears	110
J.C. Penney	117	Sears	111
J.C. Penney	119	Sears	118
KMC	103	Sears	134
KTV	103	Sharp	103
KTV	104	Sharp	105
Lodgenet	121	Sharp	122
Logik	121	Sharp	133
LXI	133	Sharp	137
LXI	137	Sony	115
Magnavox	103	Sylvania	112
Magnavox	112	Sylvania	113
Magnavox	113	Sylvania	117
Magnavox	119	Sylvania	119
Magnavox	127	Sylvania	127
Magnavox	128	Sylvania	128
Majestic	121	Tatung	106
Marantz	104	Teknika	103
Marantz	120	Teknika	112
Memorex	121	Teknika	121
MGA/Mitsubishi	104	Teknika	124
MGA/Mitsubishi	119	Telerent	103
MGA/Mitsubishi	120	Telerent	121
MGA/Mitsubishi	130	Toshiba	110
Montgomery Ward	103	Toshiba	111
Montgomery Ward	104	Toshiba	134
Montgomery Ward	105	Yom	119
Montgomery Ward	113	Zenith	101
Montgomery Ward	114		

Table 2. VCR Codes by Brand

VCR Brand Name	Code	VCR Brand Name	Code
Akai	223	Pentax	215
Audio Dynamics	202	Philco	214
Audio Dynamics	218	Philips	214
Broksonic	221	Philips	227
Canon	214	Pioneer	210
Citizen	209	Pioneer	215
Craig	212	Pioneer Laser Disk	228
Curtis Mathes	214	Quasar	214
Curtis Mathes	216	RCA	215
DBX	202	RCA	216
DBX	218	RCA	220
Emerson	203	RCA	227
Emerson	221	Realistic	206
Emerson	223	Realistic	208
Emerson	226	Realistic	212
Emerson	233	Realistic	214
Emerson	235	Realistic	231
Fisher	211	Samsung	220
Fisher	212	Samsung	230
Fisher	213	Sanyo	206
Funai	231	Sanyo	212
General Electric	214	Scott	204
General Electric	216	Scott	205
General Electric	220	Scott	233
Goldstar	209	Sears	206
Hitachi	215	Sears	209
Instant Replay	214	Sears	211
Instant Replay	227	Sears	212
Jvc	202	Sears	215
Jvc	225	Sharp	208
J.C. Penney	214	Sony VHS	232
J.C. Penney	218	Sony Video 8	217
J.C. Penney	227	Sylvania	207
Kenwood	202	Sylvania	214
Magnavox	207	Sylvania	227
Magnavox	214	Symphonic	231
Marantz	207	Tashiko	209
Marantz	218	Tatung	202
Marta	209	Teac	202
Memorex	212	Teac	231
Memorex	214	Teknika	234
Memorex	231	Toshiba	205
MGA/Mitsubishi	204	Toshiba	215
MGA/Mitsubishi	222	Vector Research	204
Montgomery Ward	208	Vector Research	218
Montgomery Ward	214	Yamaha	202
Montgomery Ward	219	Yamaha	218
NEC	202	Zenith VHS	201
NEC	218	Zenith VHS	225
Panasonic	214	Zenith VHS	229

Table 3. Cable Decoder Codes by Brand

Cable Decoder Brand Name	Code	Cable Decoder Brand Name	Code
Drake Satellite	312	Pioneer	315
Drake Satellite	330	Regency	329
Gemini	305	Samsung	335
Gemini	331	Scientific Atlanta	316
General Instrument	305	Scientific Atlanta	323
General Instrument	306	Scientific Atlanta	336
Hamlin	302	Sprucer	
Hamlin	303	(Panasonic)	313
Jerrold	304	Standard	
Jerrold	307	Components	335
Jerrold	308	STS Satellite	324
Jerrold	309	Telection 4000	325
Jerrold	310	Tocom	317
Kale Vision	335	Tocom VIP	318
Macom	314	Toshiba	322
Macom	321	Toshiba Satellite	319
Macom Satellite	322	Zenith	301
Magnavox	334	Zenith	322
NSC	335	Zenith AV3000	327
Oak	311	Zenith Satellite	312
Oak	332	Zenith Satellite	330
Panasonic	313	Zenith Satellite	328
Panasonic	320	Zenith Laser Disk	326
Paragon (Zenith)	333		