MULTI-BRAND REMOTE CONTROLS Programming Instructions for Allegro MBC4030/MBC4035 and Zenith MBC4430/MBC4435

INTRODUCTION

This multi-brand remote control operates the common features of most, but not all, models and brands of IR (infrared) controlled video and audio equipment.

The remote may provide functions that are not available on your equipment, for example, menu operations. Some functions of your particular equipment may not be controlled by this remote. In such cases, use the original remote control for your equipment.

PROGRAMMING YOUR REMOTE (Also see Quick Program Guide on page 2)

If you are using Zenith products, the remote is programmed for the most commonly used codes. For other brands, or if your remote fails to control your Zenith products, you will have to program the remote.

Follow these steps for each product you are using:

1. Locate the three-digit codes for your brand (such as Zenith) and type of equipment (such as VCR) in the code table provided on page 4.
2. Press and hold **PRG** key with a small blunt object until the red light turns on (about three seconds). **See page 3.**
3. Press **TV, VCR, CABLE, AUX**, to select the product you want your remote to control. (AUX+1, AUX+2 and AUX+3 modes are also available, see Special Features.) Use CABLE or AUX, to program your remote for a second TV or VCR. Use AUX, to program your remote for a video disc player or audio equipment.
4. Enter the three-digit code for your equipment, then press **ENTER**. The red light should flash once, then turn off to indicate that the code was accepted. If the red light stays on, repeat steps 3 and 4 or try using a different code.
5. To test your remote for proper operation, press **POWER** — the equipment should turn on.

To erase all code programming and return to the factory preset codes, key in code **911** when programming the remote.

NOTES:

- If no key on your remote is pressed within 60 seconds, you will have to start again.
- You may cancel programming at any time by pressing **PRG**.

AUTO FIND OPTION (Additional Programming Method)

If you have tried all the codes listed for your brand and type of product in the code table on page 4 first, and none of those codes operate your equipment, you can use Auto Find to search for the code you need.

Follow these steps for each product you want to program:

1. Turn the product ON and point the remote toward it.
2. Press and hold **PRG** with a small blunt object until the LED (red light) turns on, about three seconds.
3. Press the mode key on the remote for the product you want to control: **TV, VCR, CABLE, AUX,+1,2,3**.
4. Enter "**0-0-0**", then press **ENTER** within two seconds. When the red light flashes three times and remains lit, Auto Find is active.
5. Press and hold **POWER**, then release it, repeating this action about once a second until the equipment turns OFF. (May require up to 300 presses.)
6. Press **ENTER** immediately to save the code. The red light will flash to indicate code has been stored. If your remote fails to operate the functions you use most often, you can re-enter Auto Find and search for a better code.

NOTES:

- The red light should go OFF when you press **POWER** and back ON when you release it. If the red light stays on as you press **POWER**, Auto Find has tried all available codes. If you finish Auto Find and the product you want to control has not turned off, your remote cannot control that product.
- Pressing **PRG** at any time during the use of Auto Find will cancel Auto Find, and you will have to start again.

SPECIAL FEATURES (Additional Programming Options)

AUX+1, AUX+2 and AUX+3 Capability

Your remote can control up to seven electronic components. If you have programmed the remote for four components using the **TV, VCR, CABLE** and **AUX** keys, you can program it for up to three additional components (**AUX+1, AUX+2, AUX+3**). Instead of Step 3 in the Programming Your Remote instructions above, press and **HOLD down the AUX** key and either the **1, 2** or **3** key at the same time, continue with the other steps in Programming. Once programmed, **press and HOLD** down the **AUX** key and **1, 2** or **3** at the same, to access the additional **AUX+1, 2** or **3** mode.

Cable/Converter Volume/Mute Override (Code 399)

You may use your remote to control cable/converter volume and muting if available on your equipment. First program your remote with the brand code for your cable device using the **CABLE** or **AUX** key. Then repeat the programming steps, again using the **CABLE** or **AUX** key, **but enter code "3-9-9"** instead of a brand code.

To restore TV volume/mute to the **CABLE** or **AUX** mode, simply re-program the brand code for your cable device into that mode.

Amplifier Volume/Mute Override (Code 499)

You may use your remote to override your TV, VCR or video disk player's volume functions with your amplifier's volume and muting. First, program your remote with the brand code for the equipment for which you want amplifier volume override, using the mode key for that product: TV, VCR, CABLE, AUX, AUX+1, AUX+2 or AUX+3. Then, enter the brand code for your amplifier. Finally, repeat the programming steps, using the mode key for the equipment you wish to control (TV, VCR, CABLE or AUX), **but enter code "4-9-9"** instead of a brand code.

(Continued)

To restore normal volume and muting control, simply reprogram the brand code into the mode that is to be restored.

NOTE: CD and tape players will automatically select amplifier volume and mute.

Special Flashback Code 799

Provides for a direct channel entry flashback feature to mode/equipment not having this feature. Press desired mode key. Hold down **PRG** until the red light turns on (three seconds). Key-in code "**7-9-9**," then press **ENTER.** Use the numbered keys and **ENTER** (if necessary) to select channels. Select at least two channels using the direct channel entry method to activate the Special Flashback feature.

Once programmed, if you choose at least two channels using the numbered keys and press **FLASHBACK**, the remote will return to previous channel selected for viewing, (Last Channel Recall).

NOTES: Special Flashback does not work for numbers over 99 on equipment that has a 100+ key. To erase Special Flashback, reprogram the brand code into the mode that is to be restored. When using Special Flashback **799**, keep pointing remote at equipment until channel changes.

QUICK PROGRAM GUIDE

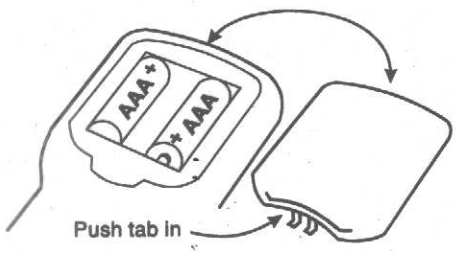
STEP-BY-STEP INSTRUCTIONS	RESPONSE ON REMOTE
Press (PRG) until LED (red light) turns on.	Red light stays on.
Press mode key to be programmed. (CABLE) (VCR) (AUX) (TV)	Red light blinks.
Enter 3-digit code from code list on page 4. (1) (2) (3) (4) (5) (6) (7) (8) (9) (0)	Red light blinks for each button pressed.
Press (ENTER) .	Red light blinks 3 times and turns off.
Remote is now programmed – TEST WITH YOUR EQUIPMENT	
REPEAT ABOVE TO PROGRAM ADDITIONAL EQUIPMENT	

GUIA DE PROGRAMACION RAPIDA

INSTRUCCIONES PASO A PASO	RESPUESTA DEL CONTROL REMOTO
Oprima (PRG) hasta que se encienda el LED (luz roja).	La luz roja permanece encendida.
Oprima el botón de modo que desea programar. (CABLE VCR) (AUX TV)	La luz roja parpadea.
Ingrese el código de 3 digitos de la lista de códigos incluida en la página 4.	La luz roja parpadea cada vez que se oprime un botón.
Oprima (ENTER).	La luz roja parpadea 3 veces y se apaga.
El control remoto ya está programado—PRUEBELO CON SU EQUIPO	
REPITA LOS PASOS ANTERIORES PARA PROGRAMAR OTROS EQUIPOS	

INSTALLING BATTERIES

When you install or replace batteries, you may need to reprogram the remote with the brand codes for the equipment you want to control, unless the equipment responds to the factory preset codes, which are the most commonly used codes for Zenith products: 101 for TV, 201 for VCR, 353 for CABLE, 401 for AUX. **NOTE:** Zenith is not responsible for damage caused by battery leakage.



LIMITED WARRANTY

If this product should prove defective in workmanship or material and is returned to the selling dealer within 90 (ninety) days from the date of original purchase at retail, it will be repaired or replaced, at Zenith's option, without charge. DAMAGE CAUSED BY ACCIDENT, MISUSE, ABUSE OR NEGLIGENCE IS NOT COVERED BY THIS WARRANTY.

This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

If you have any problem in obtaining satisfactory warranty performance, write to:
Customer Service Department,
Zenith Electronics Corporation
1000 Milwaukee Avenue
Glenview, Illinois 60025-2493
or call (847) 391-8752, Monday through Friday, 8:00 a.m. to 4:30 p.m. Central Time.

WARNING

This equipment generates and uses radio frequency energy. If not used properly, it may cause interference to radio and TV signals. It has been type tested and found to comply with the FCC limits for a Class B computing device, which require reasonable protection against such interference.

However, there is no guarantee that interference will not occur. If this equipment does cause interference to radio or TV reception, try the following:

—Reorient the receiving antenna.

—Move the remote control further away from the receiver.

If necessary, consult your dealer or an experienced radio/television technician for additional suggestions.

Changes or modifications to this transmitter may void the user's authority under FCC rules to operate this unit.

REMOTE CONTROLS MBC4030/MBC4035/MBC4430

OPERATIONS

To operate your equipment, select proper mode by pressing TV, VCR, CABLE, AUX, (AUX+1, AUX+2 or AUX+3) on the remote. Now press the function you need. For example, press CHAN (Up Arrow) to change channels.

Some keys might have different names, for example, Flashback may be called Recall or Enter may be called Display. These differences depend on the brand and model of your equipment.

Note: Install batteries in back of remote. Press any key, LED (red light) should light— indicating remote is working.

PRG (Program)
Use to begin programming procedure.

FLASHBK (Flashback)
Return to the previous channel selected for viewing. (Last Channel Recall.)

CHANNEL (Up Arrow)
Tunes to the next higher channel. Press and hold to repeat.

A (Special Functions)
Displays the closed caption (CaptionVision) menu available with some televisions.

VOLUME (Left Arrow)
Decreases the TV's sound level.

NUMBER KEY PAD
Key-in numbers for direct channel tuning.

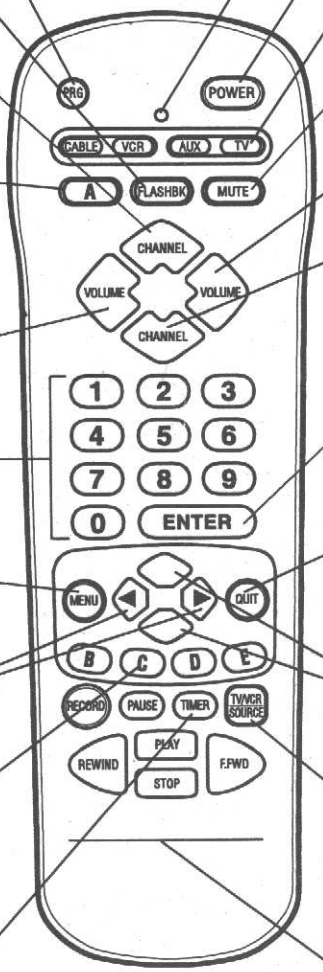
MENU
Displays menus for options. Press repeatedly to view other menus.

LEFT and RIGHT ARROW KEYS
Used to respond when an on-screen menu needs an ADJUST response. Press either key to sequence through available choices.

B, C, D, E (Special Functions)
Special functions on some equipment. Experiment to see if special features on your equipment that are not listed on the remote can be accessed by B, C, D or E keys. For example, TV Picture-in-Picture functions.

TIMER
Displays the SLEEP TIMER menu, if available. Press repeatedly to set desired TV shut-off time. Also toggles between AM and PM while performing timer functions.

Point Remote at Equipment



Key Functions Overview

LED (Red Light)
Will light, to indicate remote is working, when a key is pressed.

POWER
Turns equipment ON or OFF.

(Modes) CABLE/VCR/AUX/TV
Selects mode of operation for Remote Control.

MUTE
Turns off sound while the picture remains. Press again to restore the sound.

VOLUME (Right Arrow)
Increases the TV's sound level.

CHANNEL (Down Arrow)
Tunes to the next lower channel. Press and hold to repeat.

ENTER
Press to see the Channel/Time display. Also used to enter channel digits.

QUIT
Press to remove an on-screen menu showing on the TV or exit any menu operation.

UP and DOWN ARROW KEYS
Used to respond when an on-screen menu needs a SELECT response. Press to move the highlight bar within the menu.

TV/VCR SOURCE
Press **TV/VCR SOURCE** repeatedly to step through the source selections.

(VCR Function Keys)
RECORD, PLAY, STOP, REWIND, F FWD, PAUSE
Use to control VCR. Keys dedicated to VCR functions may be used to operate your VCR while the remote is in TV mode.

NOTE:

- If your remote has Night Vision™ glow-in-the-dark keys, it must be exposed to bright light before the keys will glow in the dark. Longer exposure— longer glow.

REMOTE CONTROL OPERATING CODES BY BRAND NAME

(Be sure to record your brand codes on the back of the battery compartment door, for future reference)

TV / TV/VCR Combos

Admiral	116, 121, 130, 133
Adventura TV/VCR	154
Akai	104
Amark	103, 146
AOC	104
Bell & Howell	121
Broksonic	131, 136
Candle	139
Centurion	119
Citizen	121, 139
Contec	141
Coronado	103
Crown	103
Curtis Mathes	116, 119, 121
Daewoo	149, 159
Daewoo TV/VCR	148
Daytron	119
Elektra	121
Emerson	103,104,123,124,131, 136, 145
Emerson TV/VCR	158
Fisher	109, 118
Funai TV/VCR	154
General Electric	106, 107, 114, 116, 117, 161
Goldstar	103, 104, 119, 147
Goldstar TV/VCR	153
Hitachi	102, 103, 129, 163
J.C. Penney	104, 110, 114, 117, 119
JVC	125, 132, 164
KMC	103
KTV	103, 104, 138
Kurazai	121
Lodgenet	121
Logik	121
LXI	133, 137
Magnavox	103, 112, 113, 117, 119, 127, 128, 139, 165
Magnavox TV/VCR	173
Majestic	121
Marantz	104, 120, 155
Megatron	146
Memorex	121
MGA/ Mitsubishi	104, 119, 120, 130, 140, 155
Montgomery Ward	103, 104, 105, 113, 114, 119, 121, 130, 133
NEC	104, 119
Panasonic	106, 107, 160, 166
Panasonic TV/VCR	174
Philco	103, 104, 112, 113, 139
Philips	112, 113
Pioneer	135
Portland	103
ProScan	116, 157, 162, 167
Quasar	106, 107
RCA	104, 116, 126, 157, 161,162,167,168
Realistic	105, 123, 124
Sampo	119
Samsung	103, 119, 134, 141
Sanyo	108, 109, 118
Scott	119, 124
Sears	103, 108, 109,110, 111, 118, 134
Sharp	103, 105, 122, 133, 137, 156, 169
Signature 2000	103, 104, 105, 113, 114, 119, 121, 130, 133
Sony	115, 143, 151, 170
Soundesign	139
Sylvania	112, 113, 117, 119, 127, 128, 139
Symphonic TV/VCR	154
Tatung	106
Teknika	103, 112, 121, 124, 139
Telerent	103, 121
Toshiba	110, 111, 134, 171
XR1000	121
Yorx	119
Zenith	101, 149, 175
Zenith TV/VCR	153, 154, 172

VCR

Admiral	208, 261
Adventura	231
Aiwa	231
Akai	223, 238, 241
Audio Dynamics	202, 218
Bell & Howell	206, 247
Broksonic	221, 226, 250, 255
Canon	214
Citizen	209
Craig	212
Curtis Mathes	214, 259
Daewoo	244, 246, 248, 254
Daytron	236, 246
DBX	202, 218
Emerson	203, 221, 223, 226, 233, 235, 243, 250
Fisher	211, 212, 213, 247
Funai	231
General Electric	214, 216, 220
Goldstar	209
Go Video	256, 262, 263
Hitachi	215, 257
Instant Replay	214, 227
J.C. Penney	214, 215, 218, 227
JVC	202, 225, 258
Kenwood	202
Logik	239
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Magnavox	207, 214, 231
Marantz	207, 218
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VIDEO DISK PLAYERS

Pioneer	402, 403
Sanyo	401
Sony	404
Zenith	401

AUDIO CD PLAYERS

Akai	409, 424
Crown	410
Denon	411
Fisher	412, 438
Goldstar	460
Harman/ Kardon	413
JVC	415
Kenwood	412, 416, 417, 441,
Magnavox	421, 422, 433, 434
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Radio Shack	431, 436, 439, 440, 441
RCA	437
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Sharp	441, 442
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Sherwood	487, 488
Sony	489, 490, 491, 492
Soundesign	461, 498, 501, 502
Teac	494, 495
Technics	497
Yamaha	496
Zenith	460, 461, 498, 501, 502

Ref:
124-212-16/17
124–212–20/21
124–212–28/29 and
µP 221-952-02A

ZENITH ELECTRONICS CORPORATION
1000 MILWAUKEE AVENUE
GLENVIEW. ILLINOIS 60025

Part No. 206-2784-01
Printed in U.S.A.
Issue – EDC