

REMOTE CONTROL MBR3445

PROGRAMMING YOUR REMOTE

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 code for your brand (such as Zenith) and type of equipment (such as VCR) in the code table provided.
2. Press and hold **PRG** with a small blunt object until the indicator lights (about three seconds).
3. Press **TV**, **VCR**, **CABLE**, or **AUX** to select the product you want your remote to control. (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. Key in the three-digit code for your equipment, then press **ENTER**. The indicator light should flash, then turn off to indicate that the code was accepted. If the indicator stays on, repeat steps 3 and 4 or try using a different code.
5. Write the code that operates your equipment, on the label inside the battery compartment for future reference.

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, the programming process stops, and you will have to start again.
- You may cancel programming at any time by pressing **PRG**.

SPECIAL FEATURES

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 may also program it for up to three additional components (**AUX+1**, **AUX+2**, **AUX+3**) by **HOLDING** the **AUX** key and pressing the **1**, **2** or **3** key during programming. Once programmed, **HOLD** down the **AUX** key and press **1**, **2** or **3**, to access the additional **AUX +1**, **2** or **3** mode.

Cable/Converter Volume (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 key in code 399** instead of a brand code.

To restore TV volume/mute to the **CABLE** or **AUX** mode, simply re-enter your cable/converter code number into that mode.

Amplifier Volume 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 component for which you want amplifier volume override, using the key for that product: **TV**, **VCR** or **AUX**. Then, program your remote with the brand code for your amplifier. Finally, repeat the programming steps, using the key for the component you wish to control (**TV**, **VCR**, or **AUX**), **but key in code 499** instead of a brand code.

To restore normal volume and muting control to your TV, VCR or laser disc player, program the remote again for that component.

NOTE:

- CD and tape players will automatically select amplifier volume and mute.

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AUTO FIND OPTION

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

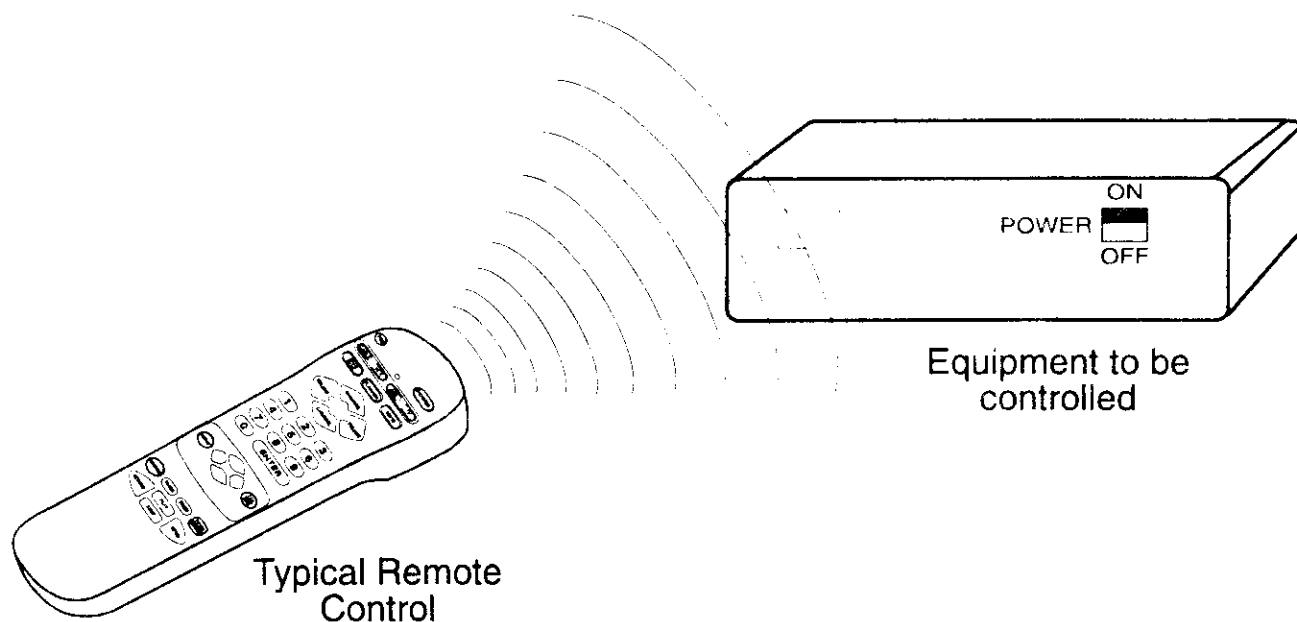
Follow these steps for each product you are using:

1. Turn the product **ON** and aim the remote toward it.
2. Press and hold **PRG** with a small blunt object until the indicator lights (about three seconds).
3. Press the mode key on the remote for the product you want to control: **TV, VCR, CABLE, or AUX.**
4. Key in "000", then press **ENTER** within two seconds. When the indicator 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 product turns **OFF**.

6. Press **ENTER** immediately to save the code. 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 indicator light should flash **OFF** when you press **POWER** and back **ON** when you release it. If the indicator light stays on when 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.



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OPERATING CODES BY BRAND NAME

TVS	
Admiral	116, 121, 130, 133
Adventure TV/VCR	154
Akai	104
Amtrak	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	118, 119, 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
York	119
Zenith	101, 149, 175
Zenith TV/VCR	153, 154, 172
VCRS	
Admiral	208, 261
Adventure	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
LXI	209, 231
Magnavox	207, 214, 231
Marantz	207, 218
Marta	209
Memorex	206, 212, 214, 231
Mitsubishi	204, 222, 252, 264
Montgomery Ward	208, 214, 216, 219, 231, 249
Multi Tech	239
NEC	202, 218
Onon	250
Panasonic	214, 251, 259
Pentax	215
Philco	207, 214
Philips	207, 214, 227
Pioneer	210, 215
Portland	246
Pro Scan	216, 260
Quasar	214, 259
RCA	215, 216, 220, 227, 240, 242, 260
Realistic	206, 208, 212, 214, 231
Samsung	220, 230
Sansui	239
Sanyo	206, 212, 247
Scott	204, 205, 233, 243
Sears	206, 209, 211, 212, 215
Sharp	208, 261
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Sony	217, 232, 237
Sylvania	207, 214, 227
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Tatung	202
Teac	202, 231
Teknika	234
Toshiba	205, 215
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Vector Research	204, 218
Yamaha	202, 218
Zenith	201, 224, 225, 229, 237
CABLE/SATELLITE	
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Allegro A/B Switch	361
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General Instrument	305, 306
Hamlin	302, 303, 345, 365, 366
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Viewstar	354, 355, 372
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Zenith Satellite	312, 328, 330, 351
VIDEO DISK PLAYERS	
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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
Mitsubishi	423, 424
NAD	425, 426, 447
Nakamichi	427, 428
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Onkyo	430
Panasonic	431, 432
Philips	421, 433, 434
Pioneer	431, 435
Quasar	432
Radio Shack	431, 436, 439, 440, 441
RCA	437
Sanyo	438, 439
Scott	440

Sharp	441, 442
Sony	443, 444, 445
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Yamaha	448
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Harman/Kardon	456
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Philips	475, 476
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Sharp	483
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Soundesign	461, 498, 501, 502
Teac	494, 495
Technics	497
Yamaha	496
Zenith	460, 461, 498, 501, 502

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