



## PROGRAMMING VCR CONTROL

**Setup Codes for VCRs (continued):**

Sony	0035, 0032, 0000, 0033, 0034, 0011, 0253
Sunpak	0253
Sylvania	0035, 0081, 0000, 0043, 0103, 0110
Symphonic	0000
TMK	0240, 0036, 0208
Tatung	0041
Teac	0000, 0041
Technics	0035, 0162, 0246
Teknika	0035, 0037, 0000, 0052
Thomas	0000
Toshiba	0045, 0043, 0057, 0066, 0210, 0212, 0366
Totevision	0037, 0240
Unitech	0240
Vector	0045
Vector Research	0038, 0040
Video Concepts	0045, 0040, 0061, 0221
Videosonic	0240
Wards	0060, 0035, 0048, 0047, 0081, 0240, 0000, 0042, 0072, 0149, 0062, 0212
White Westinghouse	0278
XR-1000	0035, 0000, 0072
Yamaha	0038
Zenith	0039, 0000, 0033, 0034

**Setup Codes for TV/VCR Combos:**

Brocksonic	0002, 0479 (for TV use 0463)
Citizen	0278
Colt	0072
Curtis Mathes	0035 (for TV use 0051)
Daewoo	0278 (for TV use 0624)
Emerson	0002, 0278 (for TV use 624), 0479 (for TV use 0463)
Funai	0000
GE	0240, 0035 (for TV use 0051), 0048 (for TV use 0093), 0060 (for TV use 0047)
Goldstar	0037 (for TV use 0056)
Harley Davidson	0000
Hitachi	0000
Lloyds	0000
Magnasonic	0278
Magnavox	0000, 0081 (for TV use 0054)
Magnin	0240
Memorex	0037
MGA	0240
Mitsubishi	0048 (for TV use 0093)
Orion	0002, 0479 (for TV use 0463)
Panasonic	0035 (for TV use 0051)
Radio Shack	0037
RCA	0240, 0035 (for TV use 0051), 0060 (for TV use 0047), 0048 (for TV use 0093)
Sansui	0000, 0240, 0479 (for TV use 0463)
Sanyo	0240
Sears	0000, 0037 (for TV use 0056)
Sharp	0048 (for TV use 0093)
Sony	0000, 0032 (for TV use 0000)
Sylvania	0081 (for TV use 0054)
Symphonic	0000
Thomas	0000
White Westinghouse	0278 (for TV use 0624)
Zenith	0000, 0479

*NOTE: Some TV/VCR Combo codes may require a separate TV code to control volume. Check the codes above and follow the instructions in the “Programming TV Control” section (on the front side) using the supplied TV code. If there is no TV code listed for your TV/VCR Combo’s operating code, you will need to use the volume control capabilities of your General Instrument Cable Converter.*

### PROGRAMMING CABLE CONVERTER (OR DBS) CONTROL

When you received your DRC remote control, it was already programmed to operate your GI Cable Converter. However, if you want to control a DBS receiver or a different Cable Converter, perform the following instructions (otherwise skip to the next topic):

- Turn on the Cable Converter or DBS Receiver.
- On the DRC, press and hold CABLE (at least 6 seconds) until you see the programming mode start. Each of the mode key lights will turn off and on sequentially, starting with AUX on through TV, and the sequence will repeat twice. During this time, release CABLE and wait until it’s lit continuously.
- Locate your Cable Converter or DBS brand in the *SETUP CODES FOR CABLE CONVERTERS* or *SETUP CODES FOR DBS*s below. Brands are listed in alphabetical order with the most popular codes listed first.
- Enter the first four-digit code for your Cable Converter or DBS.If you perform this procedure correctly, the CABLE light will blink three times.

*NOTE: If you enter an invalid code, the CABLE light will turn off. Repeat steps 2 through 4 with a valid code.*

- Aim the DRC at your Cable Converter or DBS Receiver and and press POWER once. Your Cable Converter or DBS receiver should turn off. If it does not respond, repeat steps 2-4, trying each code listed for your brand until you find the one that operates your Cable Converter or DBS Receiver. If your unit still does not work with the DRC, try searching for the code (see *Searching For Your Code*).
- Write down the Cable Converter or DBS Receiver code in the boxes below for future reference.

*NOTE: Remember, to use your DRC to operate your Cable Converter or DBS Receiver, press CABLE first.*

**Setup Codes for Cable Converters:**

General Instrument	0000, 0001, 0002, 0003, 0004, 0005, 0006, 0008
Tocom	0005, 0007

**Setup Codes for DBS Receivers:**

General Instrument	0100, 0101, 0102, 0103, 0104, 0105, 0106, 0107
Primestar	0100, 0101, 0102, 0103

### PROGRAMMING AUXILIARY COMPONENT CONTROL

To program the DRC to control an auxiliary component (e.g., a second TV or VCR, a GI DBS Receiver, or Digital Audio Tuner):

- Turn on your auxiliary component (and if it’s a VCR, insert a video cassette).
  - On the DRC, press and hold AUX (at least 6 seconds) until you see the programming mode start. Each of the mode key lights will turn off and on sequentially, starting with AUX on through TV, and the sequence will repeat twice. During this time, release AUX and wait until it’s lit continuously.
  - Locate the brand in the *SETUP CODES* listed for your type of auxiliary unit (e.g., VCRs, TVs, Cable Controllers, or DBS Receivers) or audio service listed below. Brands are listed in alphabetical order with the most popular codes listed first.
  - Press AUX, VCR, CABLE, or TV once to let the DRC know what type of device you want to assign to the AUX mode.
  - Enter the first four-digit code for your auxiliary component. If you perform this procedure correctly, the AUX light will blink three times.
- NOTE: If you enter an invalid code, the AUX light will turn off. In that case, repeat steps 2 through 5 with a valid code.*
- Aim the DRC at your auxiliary component and press POWER once (or PLAY once if it’s a VCR). The device should turn off (or start playing the tape). If the auxiliary component does not respond, repeat steps 2-6, trying each code listed for your brand until you find the one that operates your auxiliary component. If it still does not work with the DRC, try searching for the code (see *Searching For Your Code*).
  - Write down the auxiliary component type and its code in the spaces below for future reference.

TYPE: \_\_\_\_\_

*NOTE: Remember, to use the DRC to operate your auxiliary component, press AUX first.*

<b>DRC Setup Codes for Miscellaneous Audio Services:</b>	
General Instrument	0201, 0200
Scientific Atlanta	0202

## SEARCHING FOR YOUR CODE

If your TV,VCR, Cable Converter or Auxiliary Component does not respond to the DRC after trying all of the codes listed for your brand, or if your brand is not listed at all, try searching for your code.

For example, after trying all of the codes for your TV, you still cannot get the DRC to operate your TV, then:

- Turn on your TV.
  - On the DRC, press and hold TV (at least 6 seconds) until you see the programming mode start. Each of the mode key lights will turn off and on sequentially, starting with AUX on through TV, and the sequence will repeat twice. During this time, release TV and wait until it’s lit continuously.
  - Press the ▲ (UP) cursor key once to start the search mode.
- NOTE: In the search mode, the DRC will send IR codes from its library to the selected component, starting with the most popular codes first. When the component responds to a subsequent key command (e.g., POWER), the correct device code will be found.*
- Press POWER once. The TV key will light on and off, showing that an IR code has been sent.
  - If your television does not turn off, press the UP cursor key once again to call up the next IR code and press POWER once again.
  - If your television still does not turn off, repeat step 5 as many times as needed until your TV turns off.
  - When your television does turn off, a working code has been found. Press OK once to save the code and the TV key will blink three times, confirming the selection.
  - To search for the codes of your other components, repeat steps 1 through 7, but substitute the appropriate device key (i.e., VCR, CABLE, or AUX) for the component you are searching for.

## CHECKING THE CODES

If you have set up the DRC using the *Searching For Your Code* procedure, you may need to find out which four-digit code is operating your equipment.

Perform the following procedure after you have set up your components to find out which four-digit code is operating your equipment.

For example, to find out which code is operating your TV:

- Turn on your TV.
- On the DRC, press and hold TV (at least 6 seconds) until you see the mode light sequence start. Each of the mode key lights will turn off and on sequentially, starting with AUX on through TV, and will repeat twice. During the sequence, release the TV key and wait until it stays lit continually.
- Press 9 - 9 - 0. The TV key will blink three times.
- To view the code for the first digit, press and release 1. Count the number of TV key blinks (e.g., 3 blinks = 3) and write down the number in the leftmost box below.

*NOTE: The mode key will not blink if the code digit is a “0”.*

TV

- Repeat step 4 three more times for each successive digit by pressing and releasing 2, 3, and then 4. Finish writing down the code in the boxes above.
- To check for the codes of your other components, repeat steps 1 through 5, only substitute the appropriate device key (i.e., VCR, CABLE, or AUX) for the component you are checking. Write down the codes in the boxes below.

**VCR**

**CABLE**

**AUX**

## CHANGING VOLUME LOCK

Your new DRC is set to control volume of a component through its associated mode (i.e., through the *cable* in the Cable mode, through the *TV* in the TV mode, and through the *auxiliary device* in the Aux. mode). If your TV is not remote controllable, or if you would like the volume to be controlled by a different component, you can change the Volume Lock setting to control a volume through a non-associated mode (e.g., through the *cable* in the TV mode).

Changing the Volume Lock setting to the Cable or TV mode will change the volume control for all modes except Aux., which will continue to control its own volume. If you change the Volume Lock setting to the Aux.mode, all modes (i.e., Aux., Cable, and TV) will be controlled by the Aux.mode.

*NOTE: The volume controls will not operate if Volume Lock is set to VCR mode.*

**To change the Volume Lock setting to the TV mode:**

- On the DRC, press and hold TV (at least 6 seconds) until you see the programming mode start. Each of the mode key lights will turn off and on sequentially, starting with AUX on through TV, and the sequence will repeat twice. During this time, release TV and wait until it’s lit continually.
- Press and release VOLUME +.
- The TV key light will blink three times, indicating volume has been locked to the TV mode.
- Now, whenever you press VOLUME +, VOLUME –, or MUTE on the DRC, volume will be controlled by your TV.

**To change the Volume Lock setting to the CABLE mode:**

- On the DRC, press and hold CABLE (at least 6 seconds) until you see the programming mode start. Each of the mode key lights will turn off and on sequentially, starting with AUX on through TV, and the sequence will repeat twice. During this time, release CABLE and wait until it’s lit continuously.
- Press and release VOLUME +.
- The CABLE key light will blink three times, indicating volume has been locked to the CABLE mode.
- Now, whenever you press VOLUME +, VOLUME –, or MUTE on the DRC, volume will be controlled by your Cable Converter.

**To change the Volume Lock setting to the AUX mode:**

- On the DRC, press and hold AUX (at least 6 seconds) until you see the programming mode start. Each of the mode key lights will turn off and on sequentially, starting with AUX on through TV, and the sequence will repeat twice. During this time, release AUX and wait until it’s lit continuously.
- Press and release VOLUME +.
- The AUX key light will blink three times, indicating volume has been locked to the AUX mode.
- Now, whenever you press VOLUME +, VOLUME –, or MUTE on the DRC, volume will be controlled by your Auxiliary Device.

**To unlock Volume Lock:**

- On the DRC, press and hold a mode key (at least 6 seconds) until you see the programming mode start. Each mode key light will turn off and on sequentially, starting with AUX on through TV, and the sequence will repeat twice. During this time, release the mode key and wait until it’s lit continuously.
- Press and release VOLUME –.
- The mode key light will blink three times, indicating volume has been unlocked for the selected mode.
- Now, whenever you press VOLUME +, VOLUME –, or MUTE on the DRC, the volume controls will reset to their original device.

## TROUBLESHOOTING

**PROBLEM:** A mode key does not blink or blinks 2 times when you press a key.

**SOLUTION:** Replace the batteries with two (2) new AA alkaline batteries.

**PROBLEM:** A mode key blinks when you press a key, but home entertainment component does not respond.

**SOLUTION:** Make sure the DRC is aimed at your home entertainment component and is not farther than 15 feet away.

**PROBLEM:** DRC does not control home entertainment components or commands are not working properly.

**SOLUTION:** Try all listed codes for the component brands being set up. Make sure they can be operated with an infrared remote control.

**PROBLEM:** TV/VCR combo does not respond properly.

**SOLUTION:** Use the VCR codes for your brand. Some combo units may require both a TV code and a VCR code for full operation.

**PROBLEM:** No volume on a 2nd TV.

**SOLUTION:** Follow instructions in *Changing Volume Lock*.

**PROBLEM:** CHANNEL+ , CHANNEL- , and LAST do not work for your RCA TV.

**SOLUTION:** Due to RCA design (1983-1987), only the original remote control will operate these functions.

**PROBLEM:** Changing channels does not work properly.

**SOLUTION:** If original remote control required pressing ENTER to change channels, press ENTER on the DRC after entering the channel number.

## ADDITIONAL INFORMATION

The GI DRC does not have any user serviceable parts. Opening the case, except for the battery cover, may cause permanent damage to your GI remote control.

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