User's Guide

Scientific Atlanta®

VCR Commander™ Service

Bringing the Interactive Experience Home™

IMPORTANT RULES FOR SAFE OPERATION

CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

AVIS

RISQUE DE CHOC ÉLECTRIQUE
NE PAS OUVRIR

CAUTION: To reduce the risk of electric shock, do not remove cover (or back).. No user-serviceable parts inside. Refer servicing to qualified service personnel.

This symbol is intended to alert you that uninsulated voltage within this product may have sufficient magnitude to cause electric shock. Therefore, it is dangerous to make any kind of contact with any inside part of this product.

WARNING

TO PREVENT FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.

This symbol is intended to alert you of the presence of important operating and maintenance (servicing). instructions in the literature accompanying this product.

1. Carefully read all safety and operating instructions before operating this product, and retain them for future reference.
2. Follow all warnings and cautions in the operating instructions, as well as those that are affixed to this product.
3. Follow all operating instructions that accompany this product.
4. **Do not** use liquid or aerosol cleaners. Use a damp cloth for cleaning.
5. Do not expose this product to moisture. Do not place this product on a wet surface, or spill liquids on or near this product.
6. Route all cords so that objects cannot be placed on or against them. This can pinch or damage the cords. Pay particular attention to the points where the cords exit the product.
7. Do not open the cover of this product and attempt service. Refer all servicing to qualified personnel only.
8. For damage that requires service, unplug this product from the IR port. Refer service to qualified personnel under the following conditions:
    a. When there is damage to the cord or plug
    b. If liquid enters, or an object falls on this product
    c. If you expose this product to rain or water
    d. If this product does not operate normally by following the operating instructions
    e. When this product exhibits a distinct change in performance
9. Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that this product is in proper operating condition.

In This Guide

Introducing the VCR Commander Service 5
Installing the IR Blaster 6
Attaching the IR Blaster Cable Connector 6
Attaching the IR Blaster to Your VCR 7
Setting Up VCR Commander Service 8
Searching for Your VCR Code 11
Setting Up a VCR Recording Test 12
Scheduling a VCR Recording 13
Using Quick Settings 13
Using the Interactive Program Guide 14
Using the VCR Timer 15
Setting the VCR Timer 15
Clearing a VCR Timer 17
Manufacturers' VCR Codes 18
Troubleshooting 24
FCC Compliance 27

Introducing the VCR Commander Service

Setting the timer on your VCR to record programs is now a thing of the past! With the VCR Commander™ service and your Explorer® Digital Home Communications Terminal (DHCT), you simply set up the VCR Commander service once. Then, recording a program is quick and easy. You can either use the one-touch recording feature to record your current program, use the Interactive Program Guide (on-screen program guide) to choose a future program to record, or use the VCR Timer feature to record a program at a specific date and time.

The VCR Commander service works with the models of the Explorer DHCT that have an infrared (IR) port on the back panel.

To set up the VCR Commander service, you must connect the IR Blaster to the Explorer DHCT, and then set up the DHCT to recognize your brand of VCR.

Use this guide for the following tasks:

- Connecting the IR Blaster to the Explorer DHCT and to your VCR
- Setting up the VCR Commander service to work with your brand of VCR
- Scheduling a program to record on your VCR

Notes:

- The IR Blaster is compatible with all Explorer DHCTs except the Explorer 2000 DHCT. For the Explorer 2000 DHCT, contact your cable service provider to request an earlier version of the VCR Commander Module and the *VCR Commander™ Module User's Guide*, part number 716383.
- Refer to your DHCT user's installation guide for information about setting up your Explorer DHCT.
- Refer to your remote control user's guide for information about setting up and using your remote control.

Installing the IR Blaster

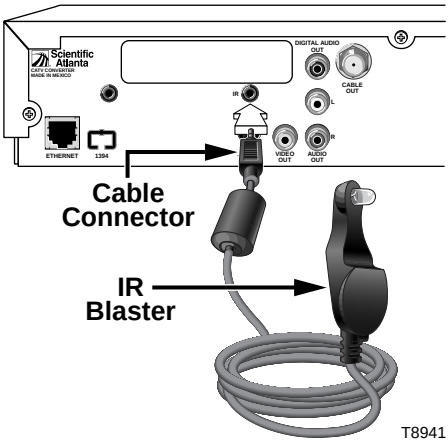
This section explains how to attach the IR Blaster and cable connector to the Explorer DHCT and your VCR.

Attaching the IR Blaster Cable Connector

> ⚠ **WARNING:**
> **Avoid electric shock. Disconnect the DHCT from the AC power outlet before attaching the connector.**

To attach the IR Blaster cable to the Explorer DHCT, complete these steps.

1. Disconnect the Explorer DHCT from the AC power outlet.
2. Locate the port labeled **IR** on the back of the Explorer DHCT.
3. Plug the cable connector into the IR port.
4. Reconnect the Explorer DHCT to the AC power outlet.



Attaching the IR Blaster to Your VCR

Follow these steps to attach the IR Blaster to your VCR.

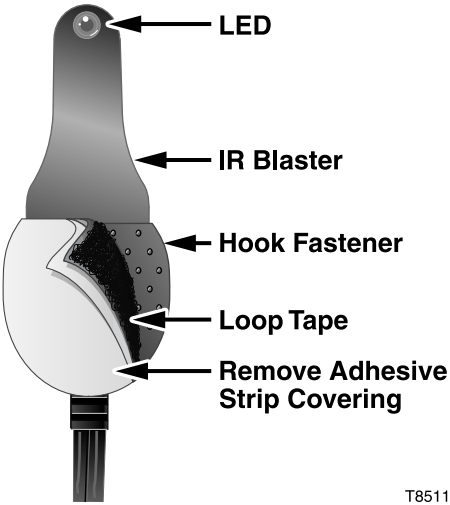
1. Refer to your VCR user's guide to locate the IR sensor window. (The IR sensor is where the VCR receives the remote control signal.)
2. Remove the covering on the adhesive strip from the loop tape, which is attached to the hook fastener on the IR Blaster.

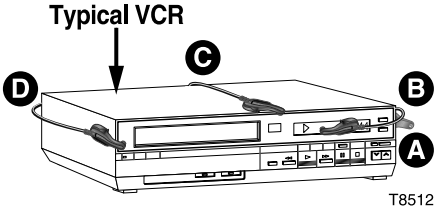
   Notes:

   - Attaching the IR Blaster to the VCR may be easier if the loop tape remains attached to the hook fasteners.
   - After attaching the IR Blaster to the VCR, the hook and loop fastener allows you to easily remove the IR Blaster for cleaning or to move the VCR.
3. Mount the IR Blaster within 3 inches of the IR sensor on your VCR by pressing the IR Blaster against your VCR to secure it.

   Notes:

   - Locations A , B, C, and D are the typical places where the IR Blaster can be attached (within 3 inches of the IR sensor on your VCR).
   - Do not block the tape insert door on your VCR.





Setting Up VCR Commander Service

Use your remote control to set up the VCR Commander service.

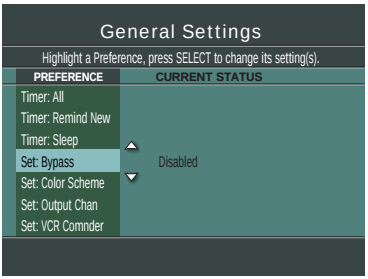
After you connect the IR Blaster, you must program the code for your brand of VCR into the memory of the VCR Commander.

Before you begin, verify the following status:

- VCR is off
- TV is on and tuned to your cable channel (3 or 4)

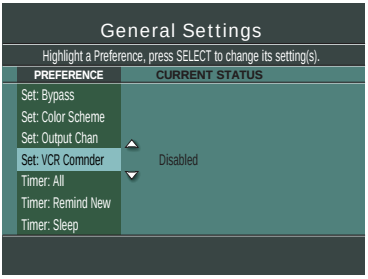
Note: At any time during this procedure, you can press C or EXIT to manually record a program on your VCR.

1. Turn on the power to your Explorer DHCT.
2. Press SETTINGS twice to display the General Settings menu.



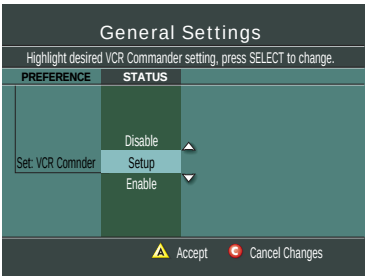
3. Press ▲ or ▼ to scroll to the **Set: VCR Commander** preference, and then press SELECT.

   Note: If the menu does not display the VCR Commander option, contact your cable service provider to have the VCR Commander service activated.

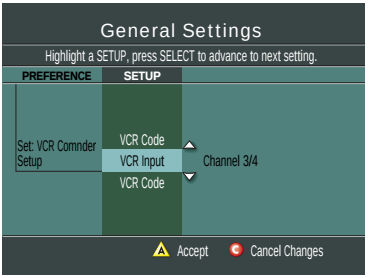


4. Press ▲ or ▼ to scroll to **Setup**, and then press SELECT.

   Note: The screens that display during this procedure will time-out and revert to the current TV channel after 1 minute of inactivity.

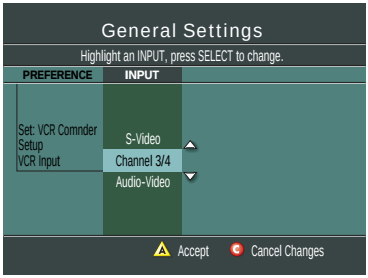


5. Scroll to **VCR Input**, and then press SELECT.

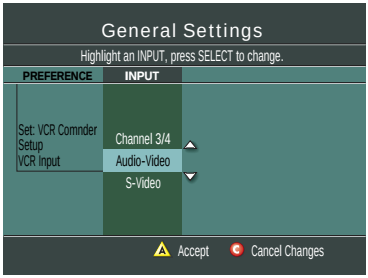


6. Your VCR is connected to your DHCT by one of the following cable types. Locate your cable type in this step and follow the instructions:

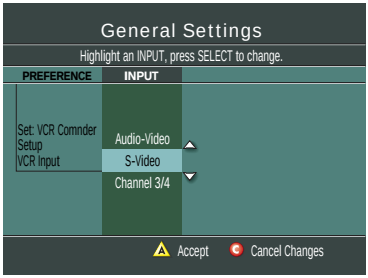
   - For RF/coaxial cable, choose **Channel 3/4**, and then press SELECT .



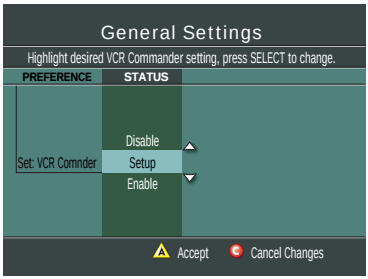
   - For RCA jacks, choose **Audio-Video**, and then press SELECT .



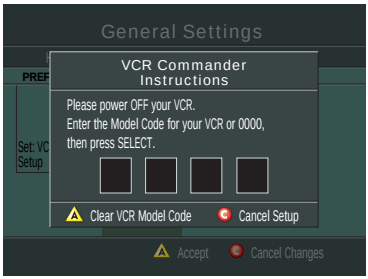
   - For S-Video (SVHS), choose **S-Video**, and then press SELECT .



7. Press SELECT again to display the **Status** menu.
8. Press ▲ or ▼ to scroll to **Setup** and press SELECT .



9. Press ▲ or ▼ to scroll to **VCR Code**, and then press SELECT to display the VCR Commander Instructions screen.

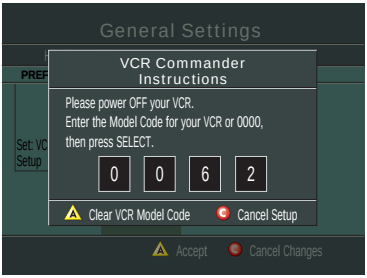


10. Turn to the **Manufacturers' VCR Codes** section in this guide to find the code choice(s) for your brand of VCR. You will use these codes in step 11.

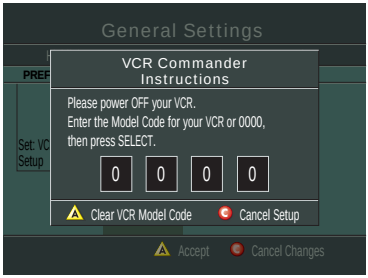
    Notes:
    - This is a four-digit code.
    - You will have 1 minute to enter the code. This screen will return to the General Settings screen after 1 minute of inactivity.

11. Enter the code for your brand of VCR, and then press SELECT.

    Notes:
    - If more than one code is available for your brand of VCR, use the first code listed.
    - If you enter an incorrect number, press A, and then reenter the code.



12. Wait for the test process to complete and the power to your VCR to turn on.



13. Did the power to your VCR turn on?
    - If **yes**, press A, and go to **Setting Up a VCR Recording Test**.
    - If **no**, choose one of the following options:
      – There are additional code choices for your brand of VCR; press B and repeat steps 9 through 12 using the next code in your list of choices.
      – There are no additional code choices for your brand of VCR, go to **Searching for Your Code**.

Searching for Your VCR Code

If none of the codes lised for your brand of VCR turn on the power to the VCR and start the recording, then follow these steps to scan the entire VCR code library. The scan locates the code that will turn on the power to your VCR and start the recording:

1. Enter code **0000**, and then press SELECT.

   Note: This process can take several minutes.

2. Wait for the test process to complete.

3. Press SELECT slowly and repeatedly, and wait for the VCR power to turn on.

   Note: If the power to the VCR does not turn on, call your cable service provider for help.

4. If the power to your VCR turns on, press A and then go to **Setting Up a VCR Recording** to test the code you selected.

Setting Up a VCR Recording Test

Before setting your VCR to record a program, complete these steps to verify that the code you selected operates the recording function of your VCR.

1. Insert a blank tape into your VCR and turn the VCR off.
2. Press SELECT to begin a recording test.

3. Wait for the recording process to begin.

4. Did the VCR begin recording?
   - If **yes**, the VCR Commander service setup is complete. Press SELECT to return to the General Settings menu, or press EXIT to return to watching TV, or go to **Scheduling a VCR Recording** to select program to record.
   - If **no**, press A and choose one of the following options:
     - There are additional code choices for your brand of VCR. Enter the next code in your list of choices and press SELECT. Then, go to step 5.
     - There are no additional code choices for your brand of VCR, return to **Searching for Your Code**.

5. Wait for the test process to complete and the power to your VCR to turn on.
6. Did the power to your VCR turn on?
   - If **yes**, press A, and return to **Setting Up a VCR Recording Test**.
   - If **no**, contact your cable service provider for help.

Scheduling a VCR Recording

This section explains how you can use Quick Settings and the Interactive Program Guide, to schedule a VCR recording. This section also explains how you can clear, or cancel, a scheduled VCR Timer program from the VCR Timer.

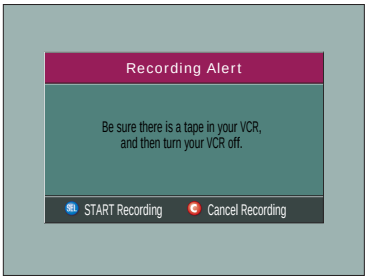
Using Quick Settings

You can instantly record the program you are currently watching using your remote control.

1. Verify that the power to your Explorer DHCT is turned on.
2. Press SETTINGS once while viewing a full-screen TV program.
3. Press ▲ or ▼ to scroll to the **Start Recording...Now** option.

4. Press SELECT to set up the recording process. A screen appears with instructions for selecting the Input option of your VCR.

5. Put a blank tape in your VCR.
6. Turn off the power to your VCR.



7. Press SELECT to start recording the program. The DHCT displays **rEc**, which indicates that the recording process is in progress.

   Notes:

   - While recording is in process, most of the keys on the remote control will not function. This ensures that your recording will not be interrupted accidentally, even if you turn off the power to the DHCT.
   - The volume on the DHCT will automatically adjust to the maximum level when recording begins.

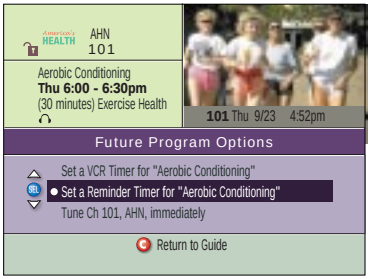
8. Press EXIT to stop recording.

Using the Interactive Program Guide

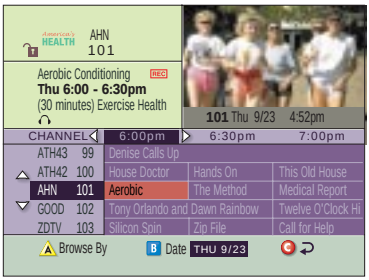
You can program your VCR to record future TV programs, directly from the Interactive Program Guide, using your remote control. You can select up to eight programs to record.

1. Verify that the power to your Explorer DHCT is turned on.
2. Press GUIDE . The Interactive Program Guide appears.
3. Press C for the current time and channel.

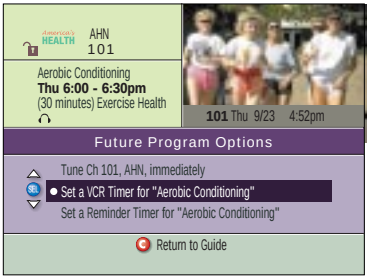
4. Press the arrow keys to locate and highlight the future program you want to record, and then press SELECT .



5. Press ▲ or ▼ to scroll to **Set a VCR Timer for...,** and then press SELECT to set the timer. The programs for which you set timers now appear in red, and the red REC icon indicates that a VCR timer is set.
   Note: The red REC icon also appears on the channel browser banner of the programs for which you set timers.



6. Press EXIT to return to the TV program.



7. Verify that there is a blank tape in your VCR.

8. Verify that the power to the VCR is off.

   Notes:

   - When you set a timer from the IPG, you are setting a one-time only timer for that program. See **Using the VCR Timer** next in this guide for information about setting 7-day, weekday only, weekend only, or single-day timers.
   - The power to the DHCT does not need to be on for recording to begin at the scheduled time.
   - The volume on the DHCT will automatically adjust to the maximum level when recording begins.

Using the VCR Timer

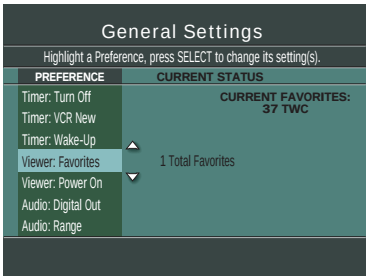
The VCR Timer sets your VCR Commander service to record programs at specific days and times. Use your remote control to set the channel, day, start time, and stop time of the program or programs you want to record. You can set up to eight timers including the timers set from the Interactive Program Guide.

Important: Do not overlap program times when setting up the VCR timer. A program that you set to record will not begin recording until the previous VCR timer event has stopped.

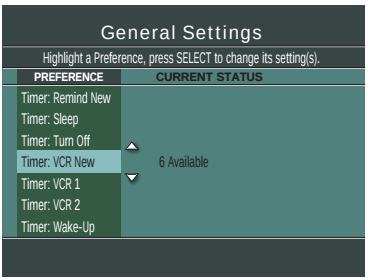
Setting the VCR Timer

You can use your remote control to set up to eight timers for programs you want to record.

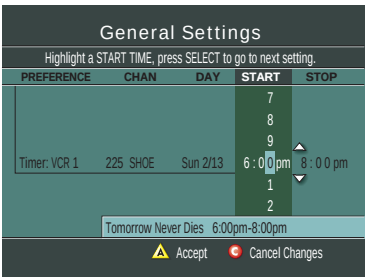
1. Verify that the power to your Explorer DHCT is turned on.
2. Press SETTINGS twice while viewing a full-screen TV program.



3. Press ▲ or ▼ to scroll to the **Timer: VCR New** option, and then press SELECT .



4. Follow the on-screen instructions to set the recording time.



Notes:

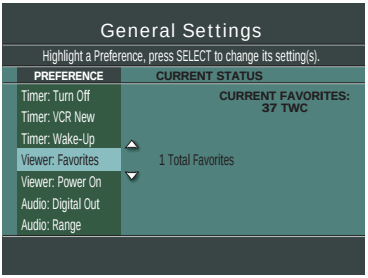
- Refer to your *Interactive Program Guide for Explorer Digital Home Communications Terminal User's Guide* for detailed instructions to set the VCR Timer.
- Contact your cable service provider if you do not have a copy of this guide.

5. Press A to accept the timer settings.
6. Put a blank tape in your VCR, and then set the Input option you selected on your VCR.
7. Turn off the VCR.
8. Press SELECT to set the timer, and then press EXIT to return to the TV program.
   Note: The power to the DHCT does not need to be on for recording to begin at the scheduled time.

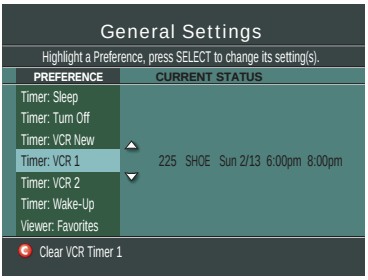
Clearing a VCR Timer

You can clear, or cancel, a scheduled VCR Timer program from the VCR Timer.

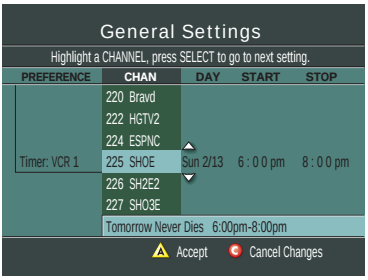
1. Verify that the power to your Explorer DHCT is turned on.
2. Press SETTINGS twice while viewing a full-screen TV program.



3. Press ▲ or ▼ to scroll to the **Timer: VCR ...** preference number for the VCR Timer program you want to clear, and then press SELECT .



4. Press C to clear, or cancel, the timer, and then press EXIT to return to the TV program.



Note: The program name appears in the current CHAN column.

Manufacturers' VCR Codes

Find the code for your brand of VCR and use this code in **Setting Up the VCR Commander Service** procedure. Start with the first code in the list and continue through the choices. The most common codes are listed first.

VCR Brand Name	Code
Action	0331
Admiral	0062, 0562
Advantz	0370
Adventura	0014
Aiko	0292, 0792
Aiwa	0014, 0051, 0420, 0450, 0482, 0551, 0651, 0751, 0851
Akai	0067, 0055, 0063, 0075, 0120, 0170, 0256, 0555, 0655, 0755
American High	0049
Asha	0254, 0754, 0854
Audiovox	0051, 0551, 0651, 0751, 0851
Beaumark	0254, 0754, 0854
Bell & Howell	0118, 0618, 0718
Broksonic	0016, 0135, 0198, 0223, 0225, 009, 0375, 0493, 0516, 0635, 0698, 0723, 0893
CCE	0086, 0292, 0586, 0792
Calix	0051, 0551, 0651, 0751, 0851
Canon	0049, 0116, 0181
Capehart	0034, 0534
Carver	0095, 0160
Cineral	0292, 0792
Citizen	0051, 0292, 0551, 0651, 0751, 0792, 0851
Colt	0086, 0586
Craig	0051, 0061, 0086, 0254, 0285, 0551, 0561, 0586, 0651, 0751, 0754, 0851, 0854
Curtis Mathes	0049, 0055, 0069, 0074, 0176, 0555, 0655, 0755
Cybernex	0065, 0254, 0754, 0854

VCR Brand Name	Code
Daewoo	0034, 0031, 0059, 0101, 0292, 0534, 0559, 0792
Daytron	0034, 0534
Denon	0056, 0058, 0556, 0558
Dynatech	0014
Electrohome	0051, 0551, 0651, 0751, 0851
Electrophonic	0051, 0551, 0651, 0751, 0851
Emerex	0046, 0546
Emerson	0014, 0016, 0050, 0051, 0057, 0075, 0082, 0102, 0135, 0198, 0222, 0223, 0225, 0226, 0292, 0308, 0309, 0375, 0493, 0516, 0524, 0551, 0557, 0635, 0651, 0657, 0698, 0723, 0751, 0792, 0824, 0851, 0893
Fisher	0061, 0068, 0080, 0118, 0561, 0618, 0718
Fuji	0047, 0049, 0547
Funai	0014
GE	0062, 0049, 0069, 0074, 0079, 0216, 0254, 0562, 0754, 0854
Garrard	0014
Go Video	0246, 0293, 0364, 0446, 0540
GoldStar	0032, 0051, 0052, 0494, 0551, 0651, 0751, 0851, 0894
Gradiente	0014, 0022, 0422, 0522
Grundig	0209
HI-Q	0061, 0561
Harley Davidson	0014
Harman/Kardon	0052, 0089
Harwood	0082, 0086, 0586
Headquarter	0060, 0560
Hitachi	0014, 0055, 0056, 0058, 0079, 0096, 0119, 0180, 0249, 0306, 0555, 0556, 0558, 0596, 0655, 0755

VCR Brand Name	Code
JVC	0081, 0083, 0022, 0055, 0220, 0221, 0398, 0522, 0555, 0581, 0583, 0655, 0720, 0721, 0755, 0898
Jensen	0055, 0555, 0655, 0755
KEC	0051, 0292, 0551, 0651, 0751, 0792, 0851
KLH	0086, 0586
Kenwood	0081, 0083, 0052, 0055, 0398, 0555, 0581, 0583, 0655, 0755, 0898
Kodak	0049, 0051, 0551, 0651, 0751, 0851
LXI	0051, 0551, 0651, 0751, 0851
Lloyd's	0014, 0222
Logik	0086, 0586
MEI	0049
MGA	0057, 0075, 0254, 0557, 0657, 0754, 0854
MGN Technology	0254, 0754, 0854
MTC	0014, 0254, 0754, 0854
Magnasonic	0292, 0792
Magnavox	0014, 0049, 0053, 0095, 0117, 0163, 0553
Magnin	0254, 0754, 0854
Marantz	0049, 0095, 0160, 0175
Marta	0051, 0551, 0651, 0751, 0851
Matsushita	0049, 0176
Memorex	0060, 0062, 0014, 0049, 0051, 0053, 0061, 0118, 0176, 0254, 0282, 0313, 0551, 0553, 0560, 0561, 0562, 0618, 0651, 0718, 0751, 0754, 0851, 0854
Minolta	0056, 0119, 0058, 0556, 0558
Mitsubishi	0081, 0083, 0062, 0057, 0075, 0089, 0187, 0228, 0256, 0457, 0557, 0562, 0581, 0583, 0657, 0687
Motorola	0062, 0049, 0562
Multitech	0014, 0086, 0586
NAD	0072
NEC	0081, 0083, 0052, 0054, 0055, 0064, 0096, 0118, 0471, 0555, 0581, 0583, 0596, 0618, 0655, 0718, 0755

VCR Brand Name	Code
Nikko	0051, 0551, 0651, 0751, 0851
Nikon	0048, 0267, 0548
Noblex	0254, 0754, 0854
Olympus	0240, 0049
Optimus	0072, 0062, 0051, 0118, 0176, 0446, 0551, 0562, 0618, 0651, 0718, 0751, 0851
Optonica	0076
Orion	0016, 0198, 0309, 0493, 0516, 0698, 0893
Panasonic	0240, 0049, 0091, 0116, 0176, 0239, 0241, 0260, 0392
Penney	0049, 0051, 0052, 0054, 0056, 0058, 0068, 0254, 0551, 0556, 0558, 0651, 0751, 0754, 0851, 0854
Pentax	0056, 0058, 0079, 0119, 0556, 0558
Philco	0049, 0223, 0493, 0723, 0893
Philips	0049, 0076, 0095, 0417
Pilot	0051, 0551, 0651, 0751, 0851
Pioneer	0081, 0072, 0083, 0176, 0182, 0581, 0583
Portland	0034, 0534
Profitronic	0254, 0754, 0854
Proscan	0069, 0074, 0216
Protec	0086, 0586
Pulsar	0053, 0065, 0553
Quarter	0060, 0560
Quartz	0060, 0169, 0560, 0669
Quasar	0049, 0091, 0176
RCA	0062, 0049, 0056, 0058, 0069, 0074, 0079, 0091, 0119, 0120, 0163, 0216, 0254, 0291, 0467, 0556, 0558, 0562, 0754, 0854
Radio Shack	0014, 0051, 0551, 0651, 0751, 0851
Radix	0051, 0551, 0651, 0751, 0851
Randex	0051, 0551, 0651, 0751, 0851

VCR Brand Name	Code
Realistic	0060, 0062, 0014, 0049, 0051, 0061, 0076, 0080, 0118, 0551, 0560, 0561, 0562, 0618, 0651, 0718, 0751, 0851
Ricoh	0048, 0267, 0548
Runco	0053, 0553
STS	0056, 0058, 0556, 0558
Salora	0089
Samsung	0067, 0059, 0065, 0254, 0559, 0754, 0854
Sanky	0062, 0053, 0553, 0562
Sansui	0081, 0083, 0014, 0055, 0096, 0285, 0493, 0555, 0581, 0583, 0596, 0655, 0755, 0893
Sanyo	0060, 0061, 0118, 0254, 0282, 0386, 0560, 0561, 0618, 0718, 0754, 0854
Scott	0057, 0059, 0135, 0198, 0224, 0225, 0226, 0559, 0635, 0698
Sears	0060, 0014, 0049, 0051, 0056, 0058, 0061, 0068, 0071, 0080, 0118, 0119, 0551, 0556, 0557, 0558, 0560, 0561, 0618, 0651, 0657, 0718, 0751, 0851
Semp	0059, 0559
Sharp	0062, 0076, 0562
Shintom	0086, 0586
Shogun	0065, 0254, 0754, 0854
Singer	0086, 0586
Sony	0048, 0047, 0014, 0025, 0036, 0046, 0049, 0267, 0289, 0546, 0547, 0548
Sunpak	0267
Sylvania	0014, 0049, 0057, 0095, 0117, 0557, 0657
Symphonic	0014

VCR Brand Name	Code
TMK	0050, 0222, 0254, 0754, 0854
Tatung	0055, 0555, 0655, 0755
Teac	0014, 0055, 0555, 0655, 0755
Technics	0049, 0176, 0260
Teknika	0014, 0049, 0051, 0066, 0551, 0651, 0751, 0851
Thomas	0014
Toshiba	0057, 0059, 0071, 0080, 0224, 0226, 0380, 0557, 0559, 0657
Totevision	0051, 0254, 0551, 0651, 0751, 0754, 0851, 0854
Unitech	0254, 0754, 0854
Vector	0059, 0559
Vector Research	0052, 0054
Video Concepts	0054, 0059, 0075, 0235, 0559
Videosonic	0254, 0754, 0854
Wards	0062, 0014, 0049, 0056, 0058, 0061, 0069, 0074, 0076, 0086, 0095, 0163, 0175, 0226, 0254, 0556, 0558, 0561, 0562, 0586, 0754, 0854
White Westinghouse	0292, 0792
XR-1000	0014, 0049, 0086, 0586
Yamaha	0052
Zenith	0048, 0047, 0014, 0053, 0547, 0548, 0553

Troubleshooting

Check the following list for possible errors. If an error occurs, you may be able to easily resolve it before calling your cable service provider.

Message or Error	Possible Cause	Check and Correct
VCR Commander service did not turn on the power to the VCR for the scheduled recording and/or did not begin recording.	A blank tape is not in the VCR.	Insert a blank tape.
	The VCR is not off.	Turn the power off to the VCR.
	The IR Blaster is improperly positioned.	Move the IR Blaster around until you are in front of or within 3 inches of the sensor window on the VCR.
	VCR Timer is improperly set.	See **Using the VCR Timer** in the **Scheduling a VCR Recording** section.
The VCR Commander Menu option does not appear on the screen.	Your DHCT is not authorized for VCR Commander service.	Call your cable service provider.
After entering your VCR code, the VCR will not turn on.	The VCR code is incorrect.	Try another VCR code for your VCR brand or enter **0000**. See the instructions in the section on **Setting Up VCR Commander Service.**
The power to the VCR turned on but did not begin recording.	A blank tape is not in the VCR.	Insert a blank tape.
	The incorrect VCR code was entered.	Try another VCR code for your VCR brand or enter **0000**. See the instructions in the section on **Setting Up VCR Commander Service.**
You recorded an on-screen message (blocked barker), which states the channel was not authorized.	The channel, time, or rating was blocked after the program timer was set.	Blocking should be done before setting the program timer.
	Program became blocked after One-Touch recording started.	Verify that Parental Control is off before starting a One-Touch recording.

Notes

Notes

FCC Compliance

This equipment has been tested and found to comply with the applicable limits of Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio or television reception, which can be determined by turning this equipment off or on. The user is encouraged to try to correct the interference by one or more of the following measures.

- Reorient or relocate the receiving antenna.
- Increase the separation between this equipment and the receiver.
- Consult your cable service provider or an experienced radio/television technician for help.

⚠ **CAUTION:**

Any changes or modification to this equipment not expressly approved by Scientific-Atlanta could void the user's authority to operate this equipment.

Scientific-Atlanta, Inc., Scientific Atlanta, the Scientific-Atlanta logo and Explorer are registered trademarks of Scientific-Atlanta, Inc. VCR Commander and "Bringing the Interactive Experience Home" are trademarks of Scientific-Atlanta, Inc.

All other trademarks shown are trademarks of their respective owners.

Product and service availability are subject to change without notice.

Scientific Atlanta®

Bringing the Interactive Experience Home™

United States
Scientific-Atlanta, Inc., 5030 Sugarloaf Parkway, Box 486447, Lawrenceville, GA 30042; Tel: 770-903-5000

Europe
Scientific-Atlanta Europe GmbH, Westerbachstrasse 28-32, 61478 Kronberg, Germany; Tel: 49-6173-928-000

Asia-Pacific
Scientific-Atlanta (Singaopre) Pte. Ltd., 1 Claymore Drive, #08-11 Orchard Towers, Singapore 229594; Tel: 86-733-4314

Latin America
Scientific-Atlanta Argentina S.A., Carlos Peligrini 1149, Piso 11o, Capital Federal 1011, Buenos Aires, Argentina; Tel: 54-11-4325-2600

www.scientificatlanta.com

© 2001 Scientific-Atlanta, Inc. All rights reserved.

Part No. 738164 Rev B

Printed in USA June 2001