RCA

USER'S GUIDE

digitalsatellitereceiverdigitals
atelliterecceiverdigitalsatellite
receiverdigitalsatellitereceiver
digitalsatellitereceiverdigitals
atelliterecceiverdigitalsatellite
receiverdigitalsatellitereceiver
digitalsatellitereceiverdigitals
atelliterecceiverdigitalsatellite
receiverdigitalsatellitereceiver
digitalsatellitereceiverdigitals
atelliterecceiverdigitalsatellite
receiverdigitalsatellitereceiver
digitalsatellitereceiverdigitals
atelliterecceiverdigitalsatellite
receiverdigitalsatellitereceiver
digitalsatellitereceiverdigitals
atelliterecceiverdigitalsatellite
receiverdigitalsatellitereceiver
digitalsatellitereceiverdigitals
atellitereceiver   digitalsa
tellitereceiv   erdi
gitalsatellite   re
ceiverdi   gi
talsate   llit
erecei   verd
igitalsa   tell
iterecei   v
erdigit

Safety Information

Cautions

Do not stack electronic components or other objects on top of the Digital Satellite Receiver. The slots on top of the receiver must be left uncovered to allow proper airflow to the unit. Blocking the airflow to the unit could impair performance or damage your receiver and other components.

Do not stack the digital satellite receiver on top of a "hot component" such as an audio power amplifier.

FCC Regulations state that unauthorized changes or modifications to this equipment may void the user's authority to operate it.

Your system may be equipped with an RF remote control. The RF remote control complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: 1) The RF remote may not cause harmful interference and; 2) The RF remote must accept any interference recieved, including interference that may cause undesired operation.

Note to Cable TV Installer: This reminder is provided to call your attention to Article 820-40 of the National Electrical Code (Section 54 of the Canadian Electrical Code, Part 1) which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building as close to the point of cable entry as practical.

Note to Satellite Dish Installer: This reminder is provided to call your attention to Article 810, and in particular Article 810-15, of the National Electrical Code (which covers proper installation and grounding of television receiving equipment) as well as to Article 820-40, which specifies that the satellite dish antenna cable ground shall be connected to the grounding system of the building as close to the point of cable entry as practical.

IMPORTANT NOTICE: This device incorporates an anticopy process technology that is protected by U.S. patents and other intellectual property rights measures. The anticopy process is licensed for non-commercial, home use only. Reverse engineering or disassembly is prohibited.

Care and Cleaning: Use a soft cloth or the dusting attachment of your vacuum cleaner to dust your digital satellite receiver. Remove dust from both top and bottom ventilation holes.

Plastic surfaces are easily scratched and can be marred by alcohol and various solvents. Avoid excessive use of oil-based furniture polishes since the materials used in the cabinet will accumulate more dust. A non-abrasive, anti-static cleaner/polisher is recommended.

Product Registration

Please fill out the product registration card and return it immediately. Returning the card allows us to contact you if needed.

Keep your sales receipt to obtain warranty parts and service and for proof of purchase. Attach it here and record the serial and model numbers in case you need them. The numbers are located on the back of the receiver.

Model No. _____

Serial No. _____

Purchase Date: _____

Dealer/Address/Phone: _____

Table of Contents

Table of Contents

Setup and Connections

Getting Started

This manual is designed to get you started quickly. The first three sections of the manual introduce you to your DIRECTV System and show you how to use the on-screen guides and menus.

In *Setup and Connections*, you'll learn:

• different ways to connect the digital satellite receiver to your TV

• how to connect the VCR controller

• how to order programming

• how to program the remote control

Using the Remote defines the buttons of the remote control and how to program it to control other components.

Program Guides details the items and features associated with the different guides.

The Rest Of The Manual

The rest of the book includes menu information, troubleshooting information—such as running a system test—and an index.

1 Setup and Connections

2 Using the Remote

3 Program Guides

4 The Menu System

5 Tips & Troubleshooting

Setup and Connections

Step 1: Unpack the DIRECTV System

Make sure to locate the remote control and the VCR controller.

Step 2: Connect Your Digital Satellite Receiver to Your TV and Other Devices

During the satellite dish antenna installation, the digital satellite receiver may have been connected to your TV with just a coaxial cable for the system test. Depending on what components you have, another connection may provide better picture and audio quality. The following sections provide cable and connection information to help you decide what connection is best for you.

Remote Control   VCR Controller

Receiver

Things to Know Before Connecting Components

Protect Your Components from Power Surges

- Connect all components before plugging any power cords into the wall outlet.

- Always turn off the digital satellite receiver, TV, and other components before you connect or disconnect any cables.

Position Cables Correctly to Avoid Audio Hum or Interference

- Insert all cable plugs firmly into their jacks.

- Place the audio/video cables to the sides of the TV's back panel instead of straight down the middle after you connect your components.

- Try not to coil any twin-lead cables; keep them away from the audio/video cables as much as possible.

- Make sure all antennas and cables are properly grounded. Refer to the Safety sheet packed with your unit.

Protect Your Components from Overheating

- Do not block ventilation holes in any of the components. Arrange the components so that air can circulate freely.

- Do not stack components.

- Allow adequate ventilation when placing your components in a stand.

- Place an amplifier or receiver on the top shelf of the stand so that heated air rising from it will not flow around other components.

Setup and Connections

Jacks and Cables

Below is a description of the jacks and cables you can use to make connections. Note that not all cables come with your DIRECTV System.

S-Video Jack and Cable

The S-Video jack provides the best picture quality for your DIRECTV System.

This jack is available on many TVs and is used in conjunction with audio cables to connect the digital satellite receiver to your TV. Remember also to connect the left and right audio cables because the S-Video jack carries only the picture signal, not the sound.

S-Video Jack
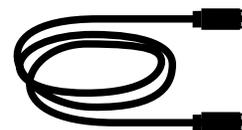
Audio/Video Jacks and Cables (RCA-type)

The audio/video jacks provide very good picture and stereo sound quality, and should be used if your TV has no S-Video jack.

These jacks are used for most audio/video connections between components. The digital satellite receiver audio/video jacks are color coded (yellow for video, red for right audio, and white for left audio). If your TV has only one input for audio (mono), connect it to the right (red) audio jack on the receiver.

Audio/Video Jacks
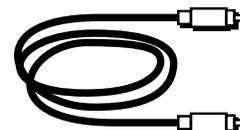
RF Jacks and Coaxial Cables (F-type)

The RF jacks provide good picture and mono sound quality, and are to be used if audio/video connections are not available for your TV.

These jacks are required for antenna or cable-TV connections. The RF jacks on the digital satellite receiver are labeled IN FROM ANT and OUT TO TV. The coaxial cable supplied with your DIRECTV System is used to connect the RF jacks between the digital satellite receiver and your TV's antenna input.

RF Jack
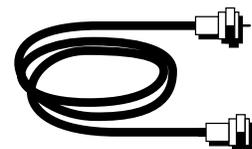
VCR Controller Jack and Cable

The VCR controller cable plugs into a jack on the digital satellite receiver's back panel. The other end of the cable affixes to your VCR's remote sensor.

VCR Controller Jack
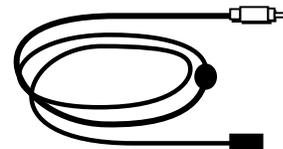
Setup and Connections

Back of the Digital Satellite Receiver

The diagram below describes each of the back panel jacks found on your digital satellite receiver. When connecting A/V cables, be sure to connect corresponding OUTPUTS and INPUTS (Video to Video, Right Audio to Right Audio, etc.).

OUT TO TV Use to connect the digital satellite receiver to your TV. However, if your TV has audio/video jacks, you should use those jacks to get better picture and sound quality.

RF REMOTE If your DIRECTV System is equipped with an RF remote, this jack will be present. Use it to connect an optional RF antenna for RF remote signals. Connecting an antenna extends the remote's range.

VIDEO Provides better picture quality than the OUT TO TV jack. If your TV has audio/video capability, use this jack to connect the digital satellite receiver to your TV. You must also connect the AUDIO jacks.

IN FROM ANT Use to connect the digital satellite receiver to an off-air antenna or cable TV signal.

PHONE JACK Use to connect the digital satellite receiver to a phone line. The DIRECTV System requires a phone line connection to periodically call out to program providers.

SATELLITE IN Use to connect the digital satellite receiver to the satellite dish antenna.

VCR CONTROL Allows the digital satellite receiver to control your VCR.

AUDIO (R and L) Provide better sound quality than the OUT TO TV jack. If your TV has audio/video capability, use these jacks to connect the digital satellite receiver to your TV. You must also connect the VIDEO or S-VIDEO jack.

S-VIDEO Provides the best picture quality. If your TV has S-VIDEO capability, use this jack along with the audio/video jacks to connect the digital satellite receiver to your TV.

HOME CONTROL JACK Allows you to connect the system to accessories, such as the Home Control base module.

6

Setup and Connections

Basic Connection

SATELLITE
DISH
ANTENNA

CABLE OR
OFF-AIR ANTENNA

DIGITAL
SATELLITE
RECEIVER

SATELLITE IN

OUT
TO
TV

IN
FROM
ANT

VCR

CH3
CH4

IN FROM ANT

OUT TO TV

TV

IN
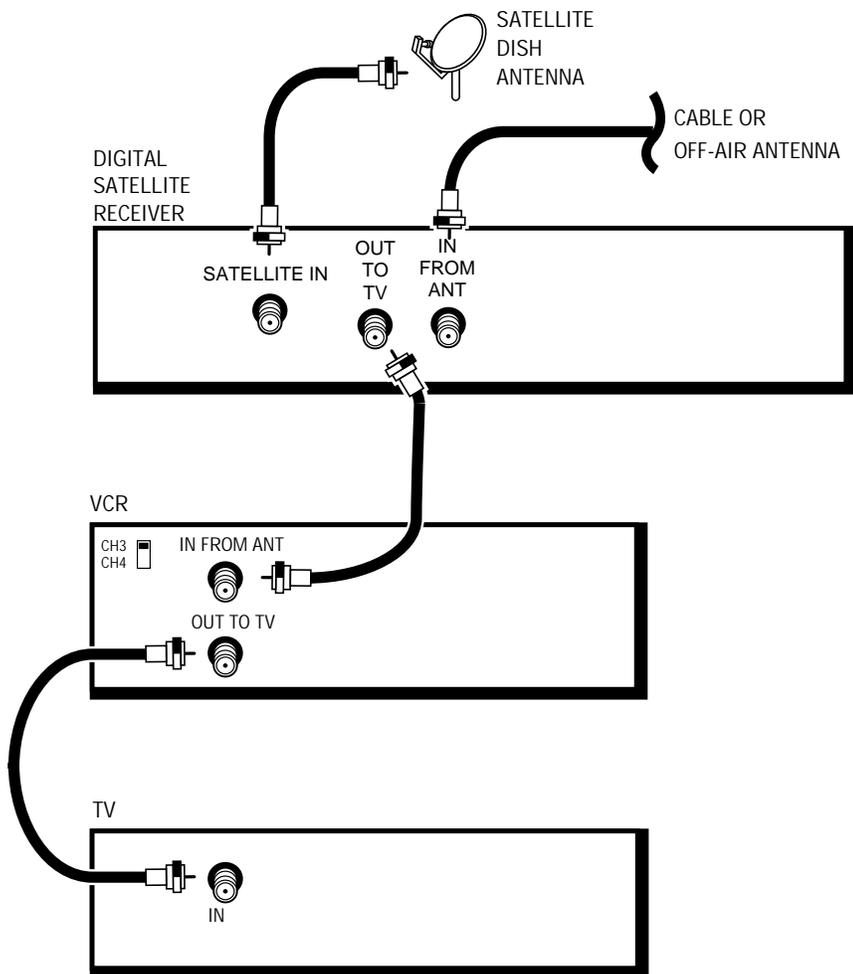
How to View Your Components

To watch satellite programming with this connection, tune the TV to either channel 3 or 4. (The default is channel 3.) You may change the output channel to 4 by choosing *Systems Options* from the Main menu and selecting *Output Channel*.)

To record satellite programming, tune the digital satellite receiver to the desired channel and set your VCR to record on channel 3 or 4.

To view VCR recordings, tune the TV to the VCR output channel (usually channel 3 or 4) and set your VCR to play. If your VCR is a brand other than RCA, GE, or PROSCAN, you may need to program the remote to control the VCR. See the next section, "Using the Remote."

CAUTION

Do not stack electronic components or other objects on top of the digital satellite receiver. See Safety Information, inside front cover.

Setup and Connections

Advanced Connection

SATELLITE
DISH
ANTENNA

CABLE OR
OFF-AIR ANTENNA

DIGITAL
SATELLITE
RECEIVER

SATELLITE IN

OUT
TO
TV

IN
FROM
ANT

R

AUDIO

L

VIDEO

S-VIDEO

VCR

CH3
CH4

IN FROM ANT

OUT TO TV

TV

IN

R AUDIO L
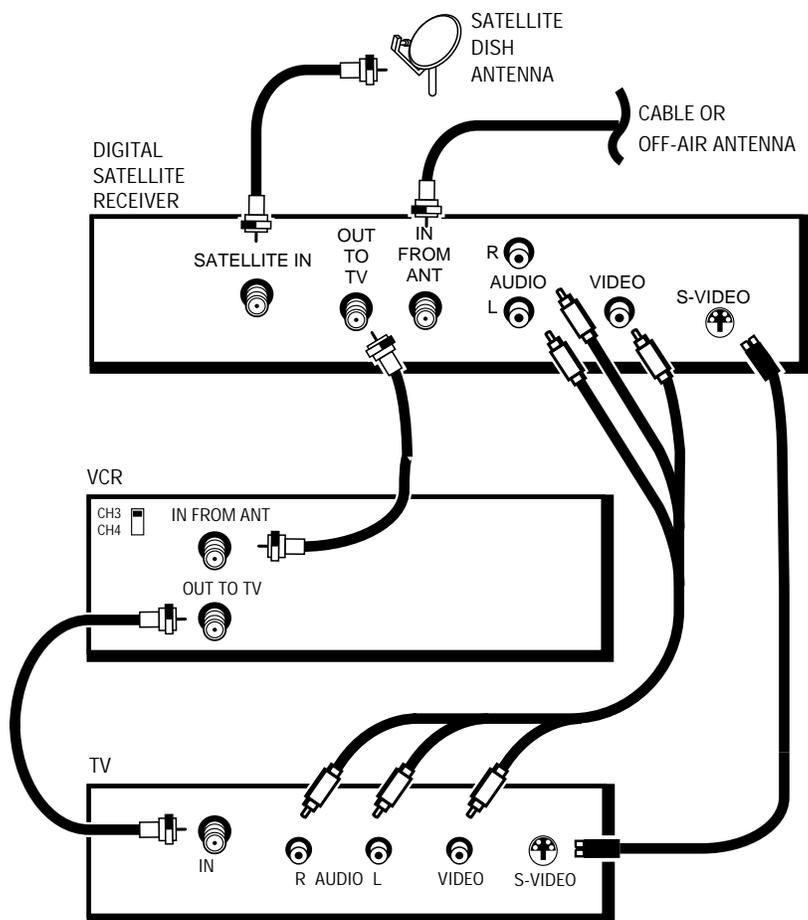
VIDEO

S-VIDEO

How to View Your Components

To watch satellite programming in this connection, tune the TV to the Video Input Channel. (To find your TV's Video Input Channel, follow Step 3 on the next page). Then tune the digital satellite receiver to the desired channel.

To record satellite programming, tune the digital satellite receiver to the desired channel. Then set your VCR to record on channel 3 or 4.

To view VCR recordings, tune the TV to the VCR Output Channel (usually channel 3 or 4—CH3 or CH4 on the back of the VCR) and set your VCR to play. If your VCR is a brand other than RCA, GE, or PROSCAN, you may need to program the remote to control the VCR. See the next section, "Using the Remote."

CAUTION

Do not stack electronic components or other objects on top of the digital satellite receiver. See Safety Information, inside front cover.

Setup and Connections

Step 3: Connect the VCR Controller

In order for the digital satellite receiver and VCR to communicate, you need to attach the VCR Controller to the back of the digital satellite receiver.

1. Plug the VCR Controller into the VCR CONTROL jack on the back of the digital satellite receiver.

2. Affix the other end to the remote sensor on your VCR.

Back of Digital Satellite Receiver

Front of VCR
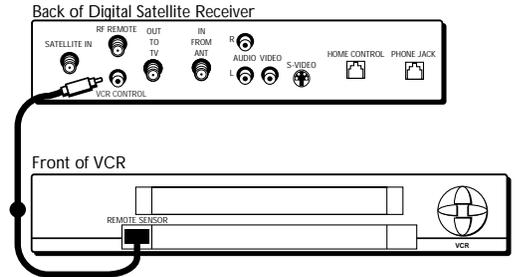
Locating the VCR's Infrared Remote Control Sensor

The VCR Controller must be affixed directly over the infrared remote sensor on your VCR.

Some VCRs have a label that identifies the infrared remote sensor, and others do not. If the IR sensor is labeled on your VCR, affix the VCR controller directly over the sensor.

For VCRs that do not label the remote sensor, you need to use the VCR's remote to locate the sensor before affixing the VCR controller.

1. Hold the VCR's remote control so that it is touching the front of the VCR.

2. Slowly move the remote over the front of the VCR while pressing the remote power button on and off.

3. When your VCR turns off or on, you have located the sensor.
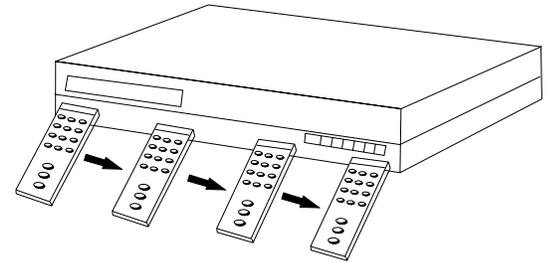
To test the VCR controller, use a piece of clear tape to temporarily attach the VCR controller to the spot where you think the sensor is located, and then follow the steps described under "Selecting a VCR Type."

Selecting a VCR Type

You need to tell the digital satellite receiver which VCR brand you are using.

1. Press MENU on the remote to bring up the Main menu.

2. Point to *Options* and press OK.

3. Point to *System Options* and press OK.

4. Point to *Set VCR Type* and press OK.

> If the Main menu doesn't appear when you press MENU, the remote might not be in satellite mode. Try pressing the DIRECTV button on the remote control, and then MENU.

The Set VCR Type screen lets you enter a code for your VCR.

5. Use the arrows or digit keys to input the correct code for your VCR brand. The VCR codes are located in the "Using the Remote" section of this book.

6. Follow the on-screen instructions to ensure that you are using the correct code. If the VCR automatically stops, then you know that the digital satellite receiver and the VCR are communicating.

•   Some VCR brands may not be capable of being controlled by the digital satellite receiver.

Step 4: Find the Video Input Channel on Your TV

Note: You do not have to complete this step if you used the basic connection.

If you used the advanced connection, you must tune your TV to the Video Input Channel to see the screens. Since there are so many brands and models of TVs, there are just as many ways to access a TV's Line Input Channel. Below are some things you can try.

• If your TV brand is RCA, GE, or PROSCAN, press TV on the remote control that came with your digital satellite receiver. Then press the WHO•INPUT button on the remote.

• If your TV brand is not RCA, GE, or PROSCAN, consult your TV Owner's Manual.

If you cannot find your TV Owner's Manual, you will have to investigate. You might access the TV's Video Input Channel by:

• pressing a button on the remote control

• finding it through the TV's menu system

• tuning directly to it by pressing a specific channel number

• going through all channels in the list by pressing the channel up or down buttons on the TV.
  Below are lists of some of the different ways manufacturers label the Video Input Channel.

Video Channel Variations

Button/switch on the TV	Button on the TV Remote	Channel #
VIDEO	VID 1	00
SIGNAL	LINE	90
VID 1	VID	91
VID 2	VIDEO	92
S-VID	S-VID	VID 1
S-VIDEO	INPUT	VID 2
	SOURCE	
	AUX	

Signal Flow

The decision to choose a Line Input Channel or Video Input Channel should be made with an understanding of Signal Flow—the way the signal flows through your components and ends up as a picture on your TV screen.

To learn more about how signal flow works, see the example in the "Troubleshooting" section.

Setup and Connections

Step 5: Interactive Setup

If you self-installed your satellite dish antenna, you may have already used the interactive setup to find the dish pointing coordinates, acquire and fine-tune the signal, and run a system test.

If you need to run the interactive setup again, select *Options* from the Main menu, then select *Interactive Setup*.

If you just want to check your dish pointing coordinates, or run the signal strength meter, select *Dish Pointing* from the Main menu.

Step 6: Place Batteries in the Remote Control

Follow these steps whenever you need to install or change the batteries in your digital satellite receiver's remote control.

1. Remove the cover from the battery compartment.

2. Insert batteries into the battery compartment, matching the + and – end of each battery.

3. Replace the cover.

STEP 7: Plug in and Turn on the Digital Satellite Receiver

Plug the end into the wall outlet, matching the wide blade of the plug with the wide slot in the outlet. Be sure to insert the plug completely.

To turn on the digital satellite receiver, press the DIRECTV button on the remote control or on the ON•OFF button on the front panel. If your TV brand is RCA, GE, or PROSCAN, press the TV button on the remote to turn on the TV. If your TV brand is not RCA, GE, or PROSCAN, see the next section, Using the Remote, for details on how to use the remote to control your TV.

Step 8: Order Programming

After you have installed your DIRECTV System, you should contact your service provider, DIRECTV or USSB, to receive programming.

Programming with DIRECTV: Call 1-800-347-3288

Programming with USSB: Call 1-800-204-USSB

When you order programming, you need to know your Access Card number. To get the number, select *Options* from the Main menu, then *System Options*, and then select *System Test*.

Wait for the system to run all of its tests. The Access Card number is displayed at the end of the system test.

Write the Access Card number in the space below for easy reference:

_____

Using the Remote

How to use your Universal Remote

This section defines the buttons of the remote and how to program it to control other components.

The universal remote can be programmed to control most brands of remote controllable VCRs, digital satellite receivers, and cable boxes. If you have an RCA, GE, or ProScan component, you probably don't need to program it at all.

1 Setup and Connections

2 Using the Remote

3 Program Guides

4 The Menu System

5 Tips & Troubleshooting

15

Using the Remote

Remote Control Buttons

ON•OFF   Turns the device you are controlling on or off. You can also use the power button on the top of the digital satellite receiver to turn it on and off.

VCR   Tells the remote to control the VCR.

TV   Tells the remote to control the TV.

DVD   Tells the remote to control the DVD player.

HOUSE ICON   Tells the remote to control the home control devices.

LED   Light which indicates programming mode when programming the remote. The LED on the front panel of the receiver flashes when you have mail.

AUX   Tells the remote to control other components, such as a cable box or laser disc player (on older remotes, this may be labelled "SAT2").

DIRECTV   Tells the remote to control the digital satellite receiver (on older remotes, this may be labelled "SAT1").

MUTE   Reduces the TV's volume to its minimum level. Press again to restore the volume.

SKIP   This key is not used by the digital satellite receiver.

CHAN UP/DOWN   Use to scan up and down through the channels in the current channel list. If you are in the program guide or menu system, use the CHAN UP/DOWN buttons to page up and down a screen at a time. You can also use the CHAN UP/DOWN buttons on the top of the digital satellite receiver to change the channel.

VOL UP/DOWN   Adjusts the audio volume.

FETCH   Either brings up the Fetch menu or tells the receiver to take the action you programmed it to take.

GO BACK   Moves you back and forth between your last two selected channels. In the menu system, returns you to the previous screen.

GUIDE   Brings up the on-screen program guide. Press the GUIDE button several times to toggle through the different types of guides.

INFO   Brings up the on-screen channel banner. Press again to get program details.

ARROWS   Use the navigation arrows to move the on-screen highlight up, down, left, or right. Using the arrows to highlight a menu item is also called "pointing."

OK   Selects a highlighted choice if you are already in the menu system.

MENU   Displays the Main menu. If you are already in the menu system, press OK or MENU to select a highlighted choice.

LED
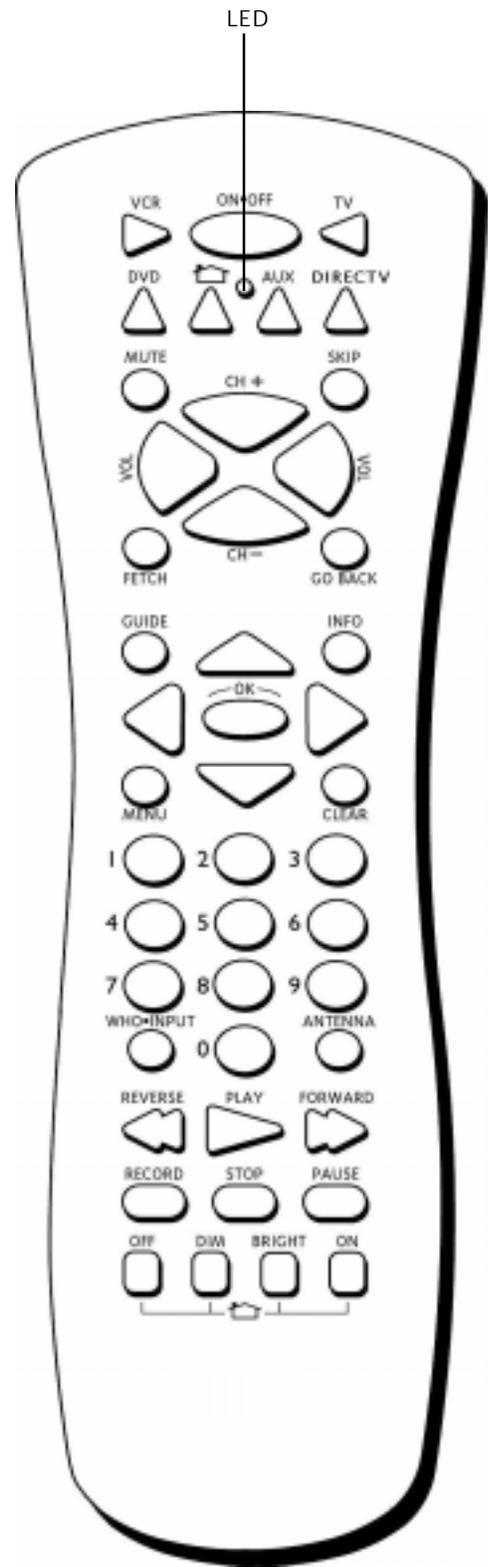
Using the Remote

CLEAR   Removes the on-screen displays and returns to normal viewing.

DIGIT KEYS (0 - 9)   Use the digit keys to tune directly to a channel. If you are in the menu system, use the digit keys to enter numbers for the time, date, channel and passwords.

WHO•INPUT   Press the WHO button one or more times to toggle through your user profiles.

ANTENNA   Lets you switch the source of the video signal from satellite signals to an off-air antenna or cable signal when using the OUT TO TV jack.

TRANSPORT KEYS (REVERSE, PLAY, FORWARD, RECORD, STOP, PAUSE)   Use when controlling an auxillary device, such as a VCR or Laserdisc player. Note that the RECORD button is used to schedule a timer recording when using the Program Guide.

OFF   When in home control mode, turns off the selected device.

DIM   When in home control mode, dims the selected device.

BRIGHT   When in home control mode, brightens the selected device.

ON   When in home control mode, turns on the selected device.

Using the Remote

The Point and Select Method

Point and Select is the two-step method you use to navigate through the menu system and program guides. Once you know how to point and select, you can explore the on-line menus.

1. Point

You point by pressing the arrow keys on the remote control. Pressing the arrow keys moves the on-screen highlight to different items in the program guide and the menu screens. Pressing an arrow once moves the highlight one space in the direction of the arrow.

For example, to point down (that is, to move the highlight toward the bottom of the screen), press the down arrow. To point right, press the right arrow.

2. Select

Once you have pointed to an item on the screen, select it by pressing the OK button on the remote. Selecting an item tells the menu system to go ahead and make the change you have indicated.

For example, the instructions in the User's Manual might tell you to Point to the *Back* button and press OK.
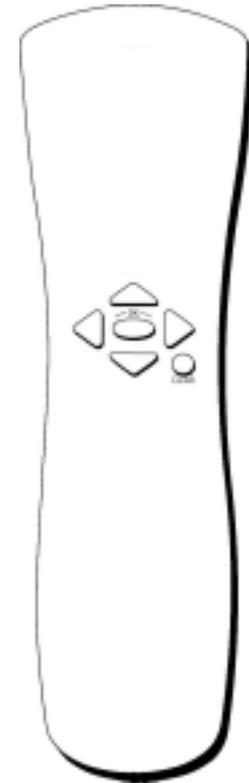
Don't worry about getting stuck inside a menu. Pressing the CLEAR button on the remote control takes you out of the menu system and back to the program you were watching.

Programming the Remote Control

The DIRECTV System's remote can be programmed to control most brands of remote controllable TVs. The remote is programmed to control most RCA, GE and PROSCAN TVs. The remote needs to be programmed to control other manufacturers' brands.

Testing the Remote Control

To determine whether the universal remote control needs to be programmed, turn a device on, such as a VCR, point the remote at the VCR, and press the VCR button. Then press POWER or CH ^ (channel up) or CH v (channel down) to see if the VCR responds to the remote commands. If not, the remote needs to be programmed.

There are two ways to program the remote: automatic or direct entry.

Using the Remote

Using Automatic Code Search

The following instructions can be used to program the remote to control each of the devices connected to your TV. If you want to exit the automatic code search without programming any of your devices, press CLEAR until the LED turns off.

1. Turn on the device you want to control (VCR, digital satellite receiver, etc.).

2. Press and hold the device button you want to program (VCR, AUX, DIRECTV, etc.). While holding the device button, press and hold ON•OFF until the red light on the remote control turns on, then release both buttons.

3. Press and release PLAY, then wait 5 seconds or until the LED stops flashing.

   At this point the remote control is searching for the correct code to program. If, after 5 seconds, the device you want to control does not turn off, press PLAY again to tell the remote to search the next set of codes.

   Continue pressing PLAY until the device turns off or you have searched through all of the codes. There are 20 total sets of codes. If the device does not turn off after pressing PLAY 20 times, then the remote cannot control that particular device.

If the device you want to control *does* turn off:

1. Press and release REVERSE, then wait 2 seconds. Repeat this step until the device turns back on.

2. To finish, press and hold STOP until the red light on the remote control turns off.

Using Direct Entry

1. Turn on the component to be programmed.

2. Look up the brand and code number(s) for the component on the code list on the last page of this section, Using the Remote.

3. Press and hold the button on the remote control you want to program.

4. Enter the code from the code list.

5. Release the button, and then press ON•OFF to see if the component responds to the remote commands. If it doesn't, try pressing the component button and then ON•OFF again.

6. If you get no response, repeat these steps using the next code listed for your brand, until the component responds to the remote control commands.

This remote control may not operate all models of the brands that are shown. Use the codes shown in this manual, or on the sheet packed with your remote control.

Using the Remote

Using the Remote to Control a Device

Once the remote has been programmed successfully, you are ready to use it to control your devices.

To operate the device:

1. Press the device button (TV, VCR, DIRECTV, DVD, or AUX) to set the remote to control the device.

2. Press ON•OFF to turn the device on or off.

3. Use the remote control buttons that apply to that device.

Modes of Operation

Because this universal remote can control several different components (DVD player, VCR, Cable Box, etc.) it uses operational modes triggered by the component buttons. For example, if you want the remote to control the TV, you would press the TV button to put the remote into TV mode before you could control the TV.

Using the Remote to Control a Second Digital Satellite Receiver

The remote can control two digital satellite receivers. From the Main menu, select *Options*, then *System Options*, then *Remote Setup*. Have the AUX button control the second receiver, while the first receiver is controlled by the DIRECTV button.

Changing the RF Remote Code

If your DIRECTV System is equipped with an RF remote, the remote can control the digital satellite receiver using both IR (Infrared) signals and RF (radio frequency) signals. IR signals require line-of-sight to the receiver's front panel remote sensor. RF signals can control the receiver from other parts of your house–even through walls.

Occasionally, due to interference or other RF devices, you may need to change the remote and digital satellite receiver RF code. Change the code in the *System Options* menu.

Using the Remote

TV Codes

Abex 1172
Admiral 1001, 1173
Adventura 1174
Aiko 1016
Akai 1002
Alleron 1046
Amtron 1038
Anam National 1003, 1038
AOC 1004, 1005, 1006, 1007, 1175, 1176
Audiovox 1038
Belcor 1004
Bell & Howell 1001, 1083, 1162
Bradford 1038
Brokwood 1004
Candle 1004, 1006, 1008, 1174
Capehart 1175
Celebrity 1002
Centurion 1009
Citizen 1004, 1006, 1008, 1016, 1038, 1105,
.... 1171,1174,1177
Clairtone 1176
Colortyme 1004, 1006
Concerto 1004, 1006
Contec/Cony 1012, 1013, 1014, 1038, 1176
Craig 1038
Crown 1038, 1171
Curtis Mathes .. 1000, 1004, 1006, 1015, 1105, 1162, 1171
CXC 1038
Daewoo . 1004, 1005, 1006, 1016, 1017, 1018, 1127, 1171
Daytron 1004, 1006, 1171
Dimensia 1000
Dumont 1004, 1151
Dynatech 1178
Electroband 1002, 1176
Electrohome 1003, 1004, 1006, 1019, 1022
Emerson 1004, 1006, 1012, 1014, 1023, 1024, 1025, 1026,
.... 1027, 1028, 1029, 1030, 1031, 1032, 1033, 1034, 1035,
..... 1036, 1037, 1038, 1039, 1041, 1042, 1043, 1044, 1046,
..... 1047, 1123, 1124, 1162, 1171, 1176, 1177, 1179, 1191
Envision 1004, 1006
Fisher 1048, 1049, 1050, 1051, 1162, 1180
Fujitso 1046
Funai 1038, 1046
Futuretec 1038
GE 1000, 1003, 1004, 1006, 1022, 1052, 1054,
.... 1055, 1087, 1164, 1165, 1166, 1167, 1168, 1181
Gibralter 1004, 1151
Goldstar 1004, 1005, 1006, 1012, 1019
.... 1056, 1057, 1058, 1155, 1156, 1171, 1172
Grundy 1038, 1046, 1171
Hallmark 1004, 1006
Harvard 1038
Hitachi ... 1004, 1006, 1012, 1013, 1059, 1060, 1061, 1135,
.... 1136, 1137, 1138, 1139, 1140, 1141, 1142, 1143, 1144,
.... 1145, 1146, 1148, 1150, 1179
IMA 1038
Infinity 1062
Janeil 1174

JBL 1062
JCB 1002
JC Penny 1000, 1004, 1005, 1006, 1008, 1022, 1052, 1054,
... 1058, 1063, 1064, 1072, 1087, 1105, 1128, 1171, 1172,
.... 1181
Jensen 1004, 1006
JVC 1012, 1013, 1054, 1060, 1065, 1066, 1067, 1089,
.... 1157, 1158, 1159, 1182
Kawasho 1002, 1004, 1006
Kaypani 1175
Kenwood 1004, 1006, 1019
Kloss Novabeam 1068, 1069, 1174, 1183
KTV 1038, 1070, 1171, 1176, 1177
Loewe 1062
Logik 1083
Luxman 1004, 1006
LXI 1000, 1004, 1006, 1049, 1062, 1071, 1072, 1073, 1162, 1181
Magnavox 1004, 1006, 1008, 1019, 1062, 1068, 1069,
..... 1074, 1075, 1076, 1077, 1088, 1089, 1131, 1130, 1132,
.... 1133, 1134, 1183, 1184
Majestic 1083
Marants 1062
Marantz 1004, 1006, 1062, 1078
Megatron 1006, 1059
MEI 1176
Memorex 1001, 1006, 1082, 1083, 1162
MGA .. 1004,1005,1006,1019,1022,1051,1079,1080,1082
Midland 1054, 1151, 1171, 1172, 1181
Minutz 1052
Mitsubishi 1004, 1005, 1006, 1019, 1022, 1051, 1079,
.... 1080, 1081, 1082, 1083, 1125
Montgomery Ward 1083
Motorola 1003, 1173
MTC 1004, 1005, 1006, 1105, 1176, 1178
Multitech 1038, 1178
Multivision 1084
NAD 1006, 1071, 1072, 1185
NEC 1003, 1004, 1005, 1006, 1089
Nikko 1006, 1016
NTC 1016
Onwa 1038
Optimus 1185
Optonica 1095, 1173
Orion 1035, 1191
Panasonic 1003, 1054, 1062, 1170
Philco 1003, 1004, 1005, 1006, 1008, 1012, 1019, 1062,
.... 1068, 1069, 1074, 1075, 1077, 1183, 1184
Philips 1003, 1004, 1008, 1012, 1019, 1062, 1068, 1069,
.... 1074, 1075, 1076, 1086, 1087, 1088, 1089
Pilot 1004, 1171
Pioneer 1004, 1006, 1090, 1091, 1092, 1179, 1185
Portland 1004, 1005, 1006, 1016, 1171
Price Club 1105
Prism 1054
PROSCAN 1000, 1181
Proton 1004, 1006, 1012, 1093, 1175
Pulsar 1151
Pulser 1004
Quasar 1003, 1054, 1070, 1094

Radio Shack/Realistic 1000, 1004, 1006
.... 1012, 1038, 1049, 1095, 1162, 1171, 1172
RCA 1000, 1003, 1004, 1005, 1006, 1007, 1019, 1096,
.... 1098, 1099, 1100, 1101, 1102, 1103, 1129, 1179
.... 1181, 1187, 1188, 1190, 1198, 1199
Rhapsody 1176
Runco 1151
Sampo 1004, 1006, 1171, 1172, 1175
Samsung 1004, 1005, 1006, 1012, 1015
.... 1019, 1104, 1105, 1106, 1171, 1172
Samsux 1171
Sansui 1191
Sanyo 1004, 1048, 1049, 1050,
.... 1080, 1107, 1108, 1162, 1180, 1189
Scotch 1006
Scott 1004, 1006, 1012
.... 1024, 1035, 1038, 1046
Sears 1000, 1004, 1006, 1013, 1019, 1046, 1048, 1049,
... 1050, 1051, 1066, 1071, 1072, 1109, 1110, 1162, 1180,
.... 1181, 1189
Sharp 1004, 1006, 1012, 1029, 1095
.... 1111, 1112, 1113, 1122, 1171, 1173
Shogun 1004
Signature 1001, 1083, 1115
Simpson 1008
Sonic 1176
Sony 1002
Soundesign 1004, 1006, 1008, 1038, 1046
Squareview 1189
SSS 1004, 1038
Starlite 1038
Supre-macy 1174
Supreme 1002
Sylvania 1004, 1006, 1008
.... 1019, 1062, 1068, 1069, 1074, 1075
.... 1076, 1077, 1088, 1116, 1161, 1183, 1184
Symphonic 1033, 1038, 1189
Tandy 1173
Tatung 1003, 1178
Technics 1054
Techwood 1004, 1006, 1054
Teknika 1004, 1005, 1006
.... 1008, 1012, 1013, 1016, 1038, 1046
.... 1076, 1082, 1083, 1105, 1170, 1171
Telecaption 1117
TMK 1004, 1006
Toshiba 1049, 1071, 1072, 1089
.... 1105, 1109, 1117, 1118, 1160, 1162
Totevision 1171
Universal 1052, 1087
Victor 1066, 1182
Vidtech 1004, 1005, 1006
Viking 1174
Wards 1000, 1001, 1004, 1005
.... 1006, 1019, 1024, 1033, 1046, 1052
.... 1062, 1068, 1069, 1074, 1075, 1076, 1083
.... 1087, 1088, 1095, 1119, 1120, 1184
Yamaha 1004, 1005, 1006, 1019
Zenith 1004, 1083, 1151, 1152, 1153, 1154

Laserdisc/DVD Player Codes

ProScan 2001
RCA 2001

Using the Remote

VCR Codes

Admiral 2131
Adventura 2026
Aiko 2027
Aiwa 2002, 2026
Akai 2003, 2004, 2005
.... 2007, 2008, 2111, 2112, 2113
American High 2021
Asha 2013
Audio Dynamics 2009, 2010
Audiovox 2014
Bell & Howell 2011
Beaumark 2013
Broksonic 2012, 2025
Calix 2014
Candle 2013, 2014, 2015
.... 2016, 2017, 2018, 2019
Canon 2021, 2022, 2114
Capehart 2020, 2110
Carver 2062
CCE 2027, 2061
Citizen 2013, 2014, 2015
.... 2016, 2017, 2018, 2019, 2027
Colortyme 2009
Colt 2061
Craig 2013, 2014, 2023, 2061
Curtis-Mathes 2000, 2002, 2009, 2013
.... 2016, 2018, 2021, 2022, 2024, 2115
Cybernex 2013
Daewoo 2015, 2017, 2019
.... 2025, 2026, 2027, 2028, 2110
Daytron 2110
Dbx 2009, 2010
Dimensia 2000
Dynatech 2002, 2026
Electrohome 2014, 2029
Electrophonic 2014
Emerson 2002, 2012, 2014, 2015
.... 2021, 2024, 2025, 2026, 2029, 2030
.... 2032, 2033, 2034, 2035, 2036, 2037
.... 2038, 2039, 2040, 2041, 2042, 2044, 2045
.... 2047, 2065, 2105, 2113, 2116, 2117, 2130
Fisher 2011, 2023, 2048
.... 2049, 2050, 2051, 2052, 2118
Fuji 2021, 2119
Funai 2002, 2026
Garrard 2026
GE 2000, 2001, 2013
.... 2021, 2022, 2053, 2115, 2120
Goldstar 2009, 2014, 2018, 2054, 2121
Gradiente 2026
Harley Davidson 2026
Harman Kardon 2009
Harwood 2061
Headquarter 2011
Hitachi 2002, 2055, 2056
.... 2057, 2107, 2111, 2120, 2122
HI-Q 2023
Instant Replay 2021
JCI 2021
JC Penney 2009, 2010, 2011
.... 2013, 2014, 2021, 2022, 2055
.... 2056, 2058, 2059, 2060, 2107, 2118

Jensen 2055, 2056, 2111
JVC 2009, 2010, 2011
.... 2018, 2058, 2111, 2123
Kenwood 2009, 2010, 2011
.... 2016, 2018, 2058, 2111, 2123
KLH 2061
Kodak 2014, 2021
Lloyd 2002, 2026
Logik 2061
LXI 2014
Magnavox 2021, 2022, 2062
.... 2063, 2104, 2108, 2124
Magnin 2013
Marantz 2009, 2010, 2011, 2016
.... 2018, 2021, 2058, 2062, 2064
Marta 2014
Masushita 2021
MEI 2021
Memorex 2002, 2011, 2013, 2014
.... 2021, 2023, 2026, 2104, 2131
MGA 2029, 2065, 2113
MGN Technology 2013
Midland 2053
Minolta 2055, 2056, 2107
Mitsubishi 2029, 2055, 2056, 2065
.... 2066, 2067, 2069, 2070, 2071
.... 2072, 2073, 2074, 2106, 2113, 2123
Montgomery Ward 2075, 2131
Motorola 2021, 2131
MTC 2002, 2013, 2026
Multitech 2002, 2013
.... 2016, 2026, 2053, 2061
NEC 2009, 2010, 2011
.... 2016, 2018, 2058, 2064
.... 2076, 2078, 2079, 2111, 2123
Nikko 2014
Noblex 2013
Olympus 2021
Optimus 2014, 2131
Optonica 2096
Orion 2035
Panasonic 2021, 2022
.... 2109, 2125, 2126, 2127
Pentax 2016, 2055, 2056, 2107, 2120
Pentex Research 2018
Philco 2021, 2022, 2062, 2063
Philips 2021, 2062, 2096, 2124
Pilot 2014
Pioneer 2010, 2055, 2080, 2081, 2123
Portland 2016, 2017, 2019, 2110
Proscan 2000, 2001
Protec 2061
Pulsar 2104
Quarter 2011
Quartz 2011
Quasar 2021, 2022, 2125
RCA 2000, 2001, 2003
.... 2013, 2021, 2055, 2056, 2082, 2083
.... 2084, 2085, 2086, 2087, 2088, 2089
.... 2090, 2091, 2107, 2115, 2120, 2125
Radioshack/Realistic 2002, 2011
.... 2013, 2014, 2021, 2022, 2023

.... 2026, 2029, 2049, 2050, 2096, 2131
Radix 2014
Randex 2014
Ricoh 2128
Runco 2104
Samsung 2005, 2013
.... 2015, 2033, 2053, 2112
Sanky 2104, 2131
Sansui 2010, 2092, 2111, 2123
Sanyo 2011, 2013, 2023
Scott 2012, 2015, 2025, 2032
.... 2035, 2038, 2065, 2093, 2116
Sears 2011, 2014, 2021, 2023, 2048
.... 2049, 2050, 2051, 2055, 2056, 2107, 2118
Sharp 2002, 2017, 2029
.... 2094, 2095, 2096, 2131
Shintom 2004, 2056, 2061, 2098
Shogun 2013
Signature 2002, 2131
Singer 2021, 2061, 2128
Sony 2002, 2004, 2098, 2099, 2119, 2128
STS 2021, 2107
Sylvania 2002, 2021, 2022
.... 2026, 2062, 2063, 2065, 2124
Symphonic 2002, 2026
Tandy 2002, 2011
Tashiko 2014
Tatung 2058, 2111
TEAC 2002, 2026, 2058, 2085, 2111
Technics 2021, 2109
Teknika 2002, 2014
.... 2021, 2026, 2100, 2129
TMK 2013, 2024, 2047
Toshiba 2015, 2049, 2051
.... 2055, 2065, 2093, 2116
Totevision 2013, 2014
Unitech 2013
Vector Research 2009, 2010, 2015, 2016
Victor 2010
Video Concepts 2009, 2010
.... 2015, 2016, 2113
Videosonic 2013
Wards 2002, 2013, 2014, 2015
.... 2021, 2023, 2026, 2029, 2055, 2056, 2061
.... 2096, 2101, 2102, 2103, 2107, 2116, 2131
XR-1000 .... 2021, 2026, 2061
Yamaha 2009, 2010
.... 2011, 2018, 2058, 2111
Zenith 2004, 2098, 2104, 2119, 2128

Using the Remote

Cable Box Codes

ABC 5002, 5003, 5004	Movie Time 5002, 5027, 5028	Scientific Atlanta 5006, 5036, 5037, 5038
.... 5005, 5006, 5009, 5053	NSC 5002, 5027, 5028	Signal 5014, 5018
Antronix 5008, 5009	Oak 5002,5016, 5029	Signature 5003
Archer 5008, 5009, 5010, 5011	Panasonic 5048, 5052	SL Marx 5014
Cabletenna 5008	Paragon 5026	Sprucer 5052
Cableview 5008	Philips 5011, 5012, 5013	Starcom 5007, 5018, 5053
Century 5011	.... 5019, 5025, 5030, 5031, 5032	Stargate 5014, 5018
Citizen 5011	Pioneer 5033, 5034	Starquest 5018
Colour Voice 5012, 5013	Pulsar 5026	Tandy 5040
Comtronics 5014, 5015	RCA 5047, 5049, 5052	Teleview 5014
Contec 5016	Realistic 5009, 5049	Tocom 5004, 5023, 5041
Eastern 5017	Regal 5022, 5035	Toshiba 5026
Garrard 5011	Regency 5017	Tusa 5018
GC Electronics 5009	Rembrandt 5003	TV86 5027
Gemini 5018, 5019, 5049	Runco 5026	Unika 5008, 5009, 5011
General Instrument 5003	Samsung 5014, 5034	United Artists 5002
Hamlin 5020, 5021, 5022, 5035, 5045	Scientific Atlanta 5006, 5036, 5037, 5038	United Cable 5053
Hitachi 5003	Signal 5014, 5018	Universal 5008, 5009, 5010, 5011
Hytex 5002	Signature 5003	Videoway 5044
Jasco 5011	SL Marx 5014	Viewstar 5015, 5025, 5027, 5040
Jerrold 5003, 5005, 5007	Sprucer 5052	Zenith 5026, 5050, 5051
.... 5018, 5023, 5024, 5046, 5053	Starcom 5007, 5018, 5053	
Magnavox 5025	Runco 5026	
Memorex 5026	Samsung 5014, 5034	

Program Guides

What is a Program Guide?

A program guide is an on-screen programming schedule. There are several types of guides, each presenting the schedule in a different format.

Using the program guide is easy as long as you remember the Point and Select rule. Point to items on the screen by pressing the arrow keys on the remote control or front panel. Then, press OK to tune to that program.

1 Setup and Connections

2 Using the Remote

3 Program Guides

4 The Menu System

5 Tips & Troubleshooting

Program Guides

Anatomy of a Program Guide

The following diagram shows you the kind of information you will see in the program guides.

Program titles and information

"Family" is one of five selectable Profiles

Indicates current time

Program Guide   Family   4:52pm
Tuesday 4/9/96

"Apollo 13". Tom Hanks. Kevin Bacon. (1995) Based on the true story of the ill-fated 13th Apollo mission bound for the moon. It's 1970, and there's little interest in this "routine" flight... until that is, things go very wrong, and prospects of a safe return fade. Directed by Ron Howard.

4/9	5:00pm	5:30pm	6:00pm	6:30pm
170 DTV	Apollo 13			Hollywo...
202 CNN	Worldview.		Moneyline	Crossfire
213 HSN	Garden...	Home Fu...	Buyer's M...	Showcase
264 MTV	Singled Out	Top 10 Video Countdo...		Beavis &...
275 CNBC	Business...	Business...	Money Cl...	Inside W...

BACK ? ☰ 🎬 🍽 ▽ 👁 AZ ✏ ▦ ☰Menu

Returns you to previous screen

Help gives you more information

Sort the guide by: Topics, Movies, or Sports

Scrolls through the guide

Shows all available programs

Sorts the current guide alphabetically by title

Searches guide for specific information

Displays more sorting options

Takes you to the Main menu

Bringing Up the Program Guides

You can access the program guides by pressing MENU on the remote control and selecting *Program Guide*, or by using the GUIDE button on the remote.

Back | Help
Program Guide...
Mailbox...
Purchases...
Timers...
Profiles...
Options...
Disk Pointing...
Home Control...

Program Guides

The Channel Banner

The channel banner appears whenever you tune to a channel, exit a guide, or press INFO or DIRECTV on the remote control. Use the arrow buttons and OK to choose an item.

On-screen icons represent frequently-used menu items. Some icons also change appearance to show the item's status. Some of the items you select in the guides can also be selected in the channel banner.

Program titles and information

"Family" is one of five selectable Profiles

Takes you to the Main menu

Cycles through the Alternate Audio choices

Locks and unlocks the system

Use Home Control or Data Port

Sorts the guide alphabetically by title

Read mail from program providers

Searches guide for specific information
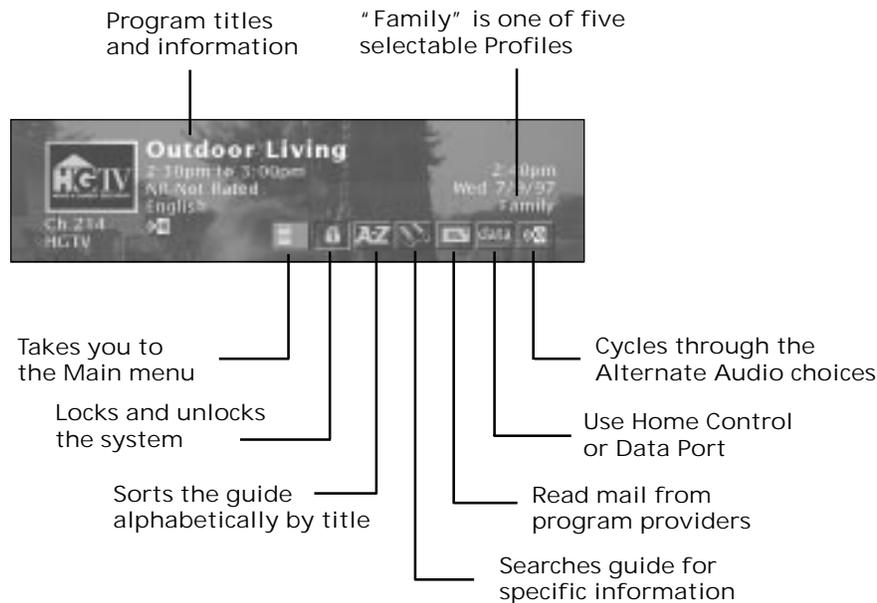
Main menu icon   When selected, will take you to the Main menu.

Green Unlock icon   The system is unlocked. Spending, viewing and other limits can be accessed and changed.

Yellow Unlock icon   A password has been entered to override family or profile limits. No limits can be accessed or changed.

Yellow Unlock icon with a "P"   A password has been entered to override limits for the current program. After the program ends, limits are restored.

Red Lock icon   No limits can be accessed or changed. A password is required to override limits or access the system.

AlphaSort icon   When selected, allows you to sort program titles alphabetically.

Highlighted Scout (binoculars) icon   A Scout has found program information.

Highlighted Mail icon   Indicates a message in your mailbox.

Home Control or Data Port icons   The icon changes appearence depending on how the Home Control jack on the back panel is used.

Alternate Audio icon   When selected, cycles through the alternate audio choices.

Program Guides

Using the GUIDE Button

Each press of the GUIDE button takes you to an alternate type of program guide.

The Grid Guide

The Grid Guide shows seven channels in a time-and-channel format. with the full title of the highlighted program at the top of the guide.

The Detail Guide

The Detail Guide shows five channels in a time-and-channel format, with program information for the highlighted program at the top of the guide.

Detail Guide

The SurfGuide

The SurfGuide displays seven channels in a half-hour time-and-channel format. Pressing the right arrow button extends the SurfGuide up to two hours, in half-hour increments.

Getting Around in the Guides

This section describes how to change channels and move around the program guide.

Grid Guide

Point to Channels with the number keys (0-9)

You can point quickly to any channel in the program guide by entering the channel number with the number keys (0-9). For example, to point to channel 228, press the numbers 2-2-8 on the remote control. To point to channel 530, press 5-3-0.

Scrolling Channel By Channel

The programs that you see on the TV screen make up one section—or page—of the total program guide. You can scroll to other sections using the arrows: point to other times with the left and right arrows; point to other channels with the up and down arrows.

SurfGuide

Scrolling Page By Page

If you want to scroll up or down through the program guide faster, press the CHAN UP/DOWN buttons on the remote control. The highlight scrolls a page at a time.
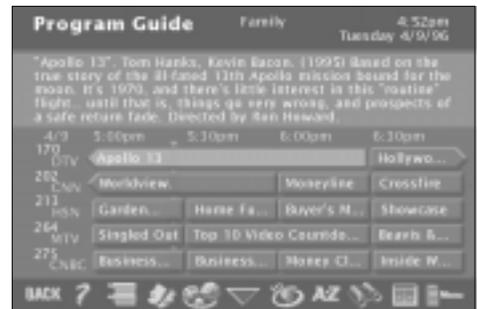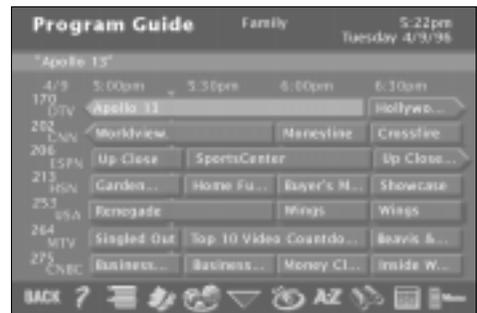
By default, the Detail Guide appears when you press GUIDE on the remote control. You can change the default guide from the Detail Guide to the Grid Guide or SurfGuide.

Select *Options* from the Main menu. Select *Look and Feel*, then set the *Default Guide*.

Program Guides

Tuning to a Program

To tune directly to a current program listed in the guide, point to the program and press OK.

To see information about a program in the guide, press INFO.
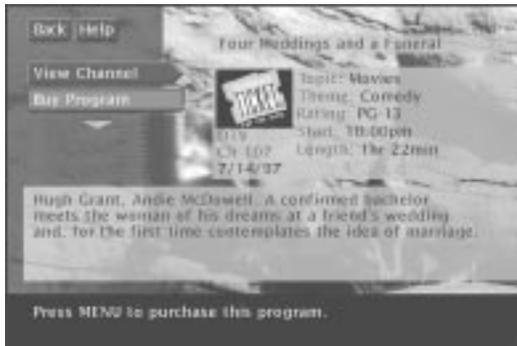
The Program Details screen appears and gives you several options.

Then, you can select:

- *View Channel* to tune to that channel

- *Buy Program* to purchase the program

- *Other Times* to see what other times the program is available. The program title is automatically entered and sorted in the AlphaSort control panel.

The options available to you may vary according to the type of program you select.

Program Guides

Additional Program Guides

Besides the Detail Guide, Grid Guide, and SurfGuide, there are a few more guides: the Channel Guide, the Logo Guide and the Attractions Guide.

You can access these guides by selecting the *Other Guides* button at the bottom of the Detail Guide and Grid Guide.

Other Guides button

The Channel Guide

Displays a channel's programming schedule in a channel-by-channel format.
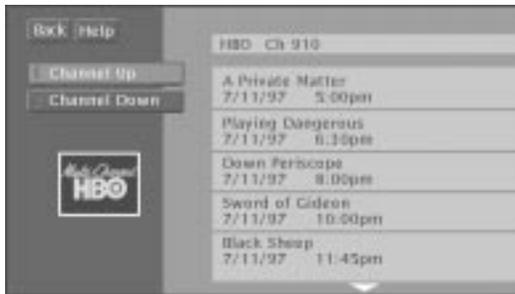
The Logo Guide

Displays channel logos for the current user's profile.

You can point to any program, then tune to that channel or get more information by pressing the OK or INFO buttons.

Exiting A Program Guide

There are three ways to exit a guide:
- Point to a channel and press OK.
- Point to *Back* and press OK.
- Press CLEAR or GO BACK on the remote.

Program Guides

The Attractions Guide

Displays a list of channels that show coming attractions and special events information.
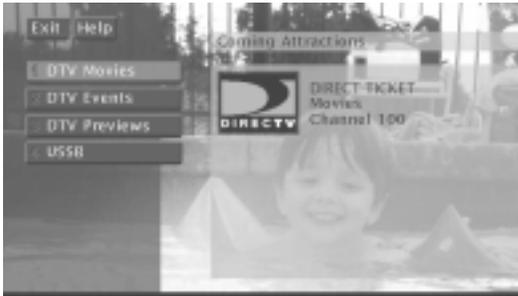
The *Other Guides* button also lets you sort the guide by different variables, such as future times, user profile channel lists, and channel groups. You can then choose a guide format to view the program information.

Select the *Other Guides* button. You can select multiple sort parameters. For example, you could sort the guide by pay-per-view movies that are available at a future time.

Select *Guide Data* and use the arrow and OK buttons to choose the *Guide Data* group.

Other Guides button
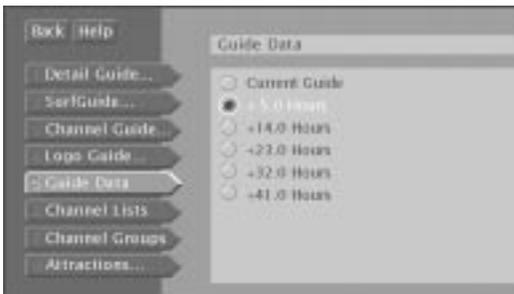
Guide Data lets you see what's on in the future.

Program Guides

Then, select *PPV* in the *Channel Groups* category.

Channel Groups is another way to sort types of programming.

Select *Back*, or press the GO BACK button on the remote control to return to the previous guide. You can also choose another guide format from the category list.

Sorting the Guides

Sorting the guide is a way of organizing the guide to show only the types of programs that interest you. There are several on-screen buttons that sort the guide in different ways.
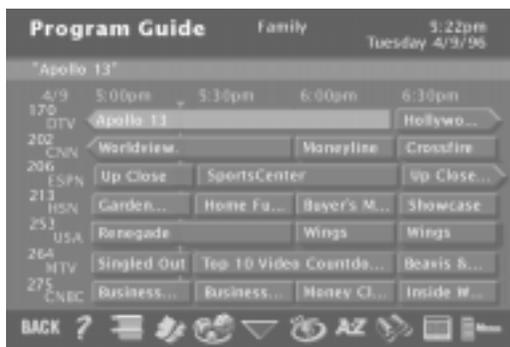
The Sorting buttons appear at the bottom of the Grid Guide and Detail Guide.

Program Guides

Topics

The *Topics* button sorts the guide according to the current user's preferences. Select the *Topics* button to sort the guide.

The *Topics* button changes to the *Topics Themes* button. Select the *Topics Themes* button to edit the current user's themes preferences. These preferences are saved in each user's profile.

Checkmark the themes that interest you.

Select the categories, and checkmark the themes you would like to appear when you select the *Topics* button in the guides. Programming that fits the description of checkmarked themes will appear in the guide when you sort by the *Topics* button.

Movies

Select the *Movies* button to list movies only. After selecting *Movies*, the *Movies* button changes to a *Movies Themes* button.

Select the *Movies Themes* button to sort the guide to list specific types of movies, such as comedies or musicals.

Select a Movies Themes that interests you.

Topics button

Topics Themes button

Movies button

Movies Themes button

Program Guides

Sports

Select the *Sports* button to list sporting events only. After selecting *Sports*, the *Sports* button changes to a *Sports Themes* button.

Select the *Sports Themes* button to sort the guide to list specific types of sports, such as basketball or soccer.
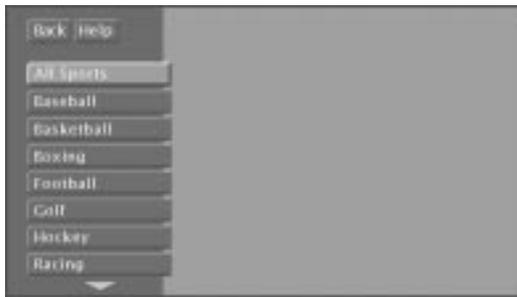
Select a Sports Theme that interests you.

Sports button

Sports Themes button

All

The *All* button resets the guide to show all available topics, channels and listings for the current Profile.

AlphaSort

AlphaSort lists in alphabetical order all the program titles in the current guide. Select the *AlphaSort* button to search for specific program titles that are in the current program guide. Use the arrow button to highlight a character, then press OK.

For example, to search for the program, *Auto Racing,* the first letter you should point to and select is "*A*". (Words like "The", "A" and "An" appear at the end of a title.) All titles that begin with "*A*" appear in the *AlphaSort* list. Next, enter the letter "*U*". All titles beginning with "AU" appear in the list.

All button

AlphaSort button

AlphaSort searches for specific titles in the guide.

Continue entering the specific title's letters until it appears in the *AlphaSort* list. If you enter the wrong letter, select either *Backspace* or *Clear All.*

Use the arrow buttons to highlight the title you are looking for. Press the OK button to select it, or the INFO button to see more information. Only titles that are in the current program guide can be found by AlphaSort.

Scout

The *Scout* button lets you assign "Scouts" to search the guide for very specific program information, such as actors' names or program descriptions. Select the *Scout* button from the Program Guide to view the available scouts.

Point to an available Scout, and select it. Select the *Enter Text* button to set up the information the Scout will look for in the program guide. Use the on-screen keyboard to enter the desired search parameters.

For example, if you are interested in National Basketball Association events, enter a common term you might see in program information, like "NBA."

Scout button
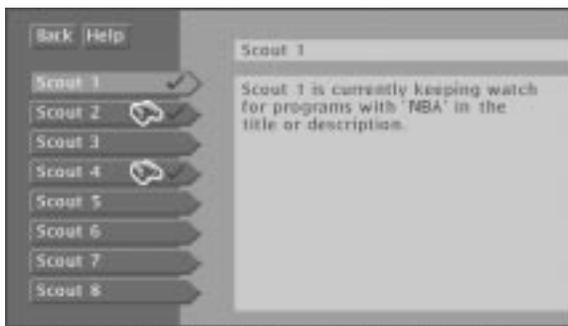
A checkmark next to the Scout means it is in use. A highlighted binocular icon means the Scout has found something.

Program Guides
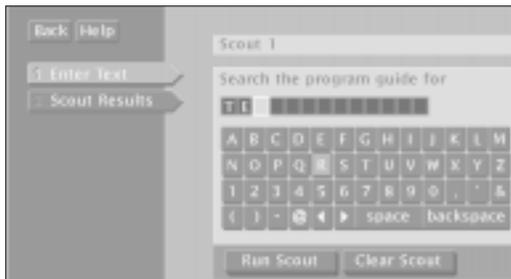
Select Enter Text to set up a Scout.

If "NBA" appears within a program title or program description, the program will be included in the Scout Results program list.

The Scout will search for information when the receiver is off. (This may take up to 30 minutes for a full guide search.) You can check a Scout's results by selecting a *Scout button*.
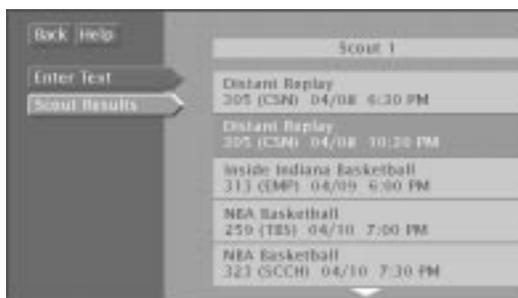
Scouts look for specific program information.

Program Guides

The Other Buttons

Back

Exits the guide and returns you to normal viewing on the current channel. Press OK to continue.

Back button

Help

Brings up additional information about the guide. Press OK to continue.

Help button

Down Arrow

The arrow button allows you to scroll down through other channels in the guide. Point to the down arrow, and then press OK to scroll down through the program guide.

Arrow button

The Main menu

Brings up the system Main menu. Press OK to continue.

Main menu button

The Menu System

What's a Menu?

The on-screen menu is a list of choices, just like a menu in a restaurant. And, just as a restaurant menu is divided into sections such as appetizers, entrees, and desserts, the on-screen menus are also separated into sections to help you find the information you need.

Don't Forget Point and Select

As with all of the on-screen displays, you use Point and Select to navigate.

1 Setup and Connections

2 Using the Remote

3 Program Guides

4 The Menu System

5 Tips & Troubleshooting

The Menu System

Using the Menu System

To bring up the Main menu, press MENU on the remote control.

Use point and select to choose an item from the Main menu.

To use the menu system, you need to know the Point and Select rule: use the arrows on the remote control to point to an item on the screen, and then press OK to select it.

Back and Help

There are *Back* and *Help* buttons at the top of most screens. Point to *Back* and press OK to leave that screen. Point to Help to see more information about that screen.

Exiting a Screen

There are three ways to exit a menu:

- Point to *Back* and press OK.

- Press the CLEAR button on the remote control. The on-screen displays clear from the screen and you return to TV viewing.

- Press the GO BACK button on the remote control. You return to the previous on-screen display or normal programming.

Using Help

All menus have a *Help* button. For example, selecting the *Help* button from the Main menu shows you information about using the Main menu screen.

The rest of the *Help* buttons in the menu system bring up helpful information explaining one aspect of that menu.

Context-Sensitive Help

Most of the screens contain information to help you decide what to do next. If you get stuck, look for the help text.

The Menu System

Menu Descriptions

This section briefly describes each of the available Main menu options. More information about each menu and its features is included later in this chapter.

Program Guide

Shows the on-screen programming schedules.

Mailbox

Use to read mail messages from your program providers.

Purchases

Use to review or cancel upcoming purchases, and to review past purchases.

Timers

Allows you to schedule the digital satellite receiver to tune to a specific channel at a specific time.

Profiles

Allows you to set ratings limits, spending limits, and viewing hours, as well as create favorite channel lists.

Options

Allows you to find out more about the digital satellite receiver and remote control, change how your system looks, run the system test, and install a new Access Card.

Dish Pointing

Use to find your dish pointing coordinates, and to access the on-screen signal strength meter.

Home Control

With the proper equipment, this feature lets you control certain devices and appliances in your house.

Don't Be Afraid to Explore

Once you've learned the basics, feel free to poke around the menu system—exploring is the best way to learn. The context-sensitive help at the bottom of the screen provides instructions for getting through any particular menu or control panel. Remember, press CLEAR at any time to leave the menu system and return to regular system viewing.

> **Don't Forget About the CLEAR Button**
>
> Press the CLEAR button on the remote control to remove the on-screen menus and return to normal viewing.

The Menu System

The Program Guide

Selecting *Program Guide* brings up your default program guide: the Detail Guide, the Grid Guide, or the SurfGuide.

Anatomy of a Program Guide

The following diagram shows you the kind of information you will see in the Detail Guide and the Grid Guide.

Program titles and information

"Family" is one of five selectable Profiles

Indicates current time

Program Guide Family 4:52pm Tuesday 4/9/96

"Apollo 13". Tom Hanks. Kevin Bacon. (1995) Based on the true story of the ill-fated 13th Apollo mission bound for the moon. It's 1970, and there's little interest in this "routine" flight... until that is, things go very wrong, and prospects of a safe return fade. Directed by Ron Howard.

4/9	5:00pm	5:30pm	6:00pm	6:30pm
170 DTV	Apollo 13			Hollywo...
202 CNN	Worldview.		Moneyline	Crossfire
213 HSN	Garden...	Home Fu...	Buyer's M...	Showcase
264 MTV	Singled Out	Top 10 Video Countdo...		Beavis &...
275 CNBC	Business...	Business...	Money Cl...	Inside W...

BACK ? ▽ AZ

Returns you to previous screen

Help gives you more information

Sort the guide by: Topics, Movies, or Sports

Scrolls through the guide

Shows all available programs

Sorts the current guide alphabetically by title

Searches guide for specific information

Displays more sorting options

Takes you to the Main menu

Bringing Up the Program Guides

Besides selecting *Program Guide* in the Main menu, you can press the GUIDE button on the remote control.

Want More Information?

Read the section in this book called Program Guides for all the details.

The Menu System

The Mailbox

The mailbox shows you messages that are sent—or "mailed"—from your program providers. For example, you may receive a message calling your attention to a new service.

How to Tell When you Have Mail

There are two ways to tell if you have mail, depending on whether the digital satellite receiver is turned on or off.

- If the digital satellite receiver is turned on, the mail icon in the channel banner is highlighted.

- If the digital satellite receiver is turned off, the power light on the front panel of the receiver flashes.

Checking Your Mail

Select *Mailbox* on the Main menu or channel banner to view your mail.

1. Point to a message and press OK. The message is opened for you to read.

Mail provides the latest information from program providers.

2. Press OK again to close the letter.

   After you read a message and want to erase it, point to *Erase Message* and press OK. When you exit the display screen, messages not erased are saved in memory.

The Menu System

Pay per view Programs

Pay per view programs (PPV) are programs that you purchase—like a movie ticket—on an event-by-event basis. For instance, a channel with Pay per view programs might run nothing but previews for movies. After previewing the movie, you can purchase it or find out more details about it. PPV programs are labelled "PPV" in the program guide.

Purchasing and Previewing

There are several ways to purchase and preview PPV movies and events:

- Tune to a PPV program's channel. Program providers may offer on-screen purchase instructions, usually as the PPV program begins.

- Choose a PPV program from the program guide.

- Preview a coming attraction by selecting a channel from the Attractions Guide.

Tuning to a PPV Program

When you use the channel buttons or digits on the remote control to tune to a Pay per view channel, you need to press the INFO button to bring up the *Program Details* screen in order to purchase a program.
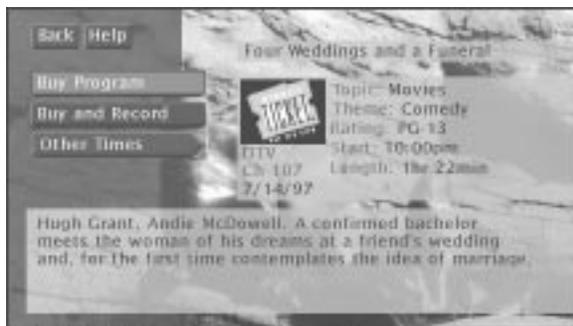
Use the program guide to get to the Program Details screen.

Follow the on-screen instructions to purchase the selected program.

You may need to enter your four-digit password to order a PPV program if it costs more than the spending limit you set up in the Profiles menu.

The Menu System

Using the Program Guide for PPV Programs

Another way to get to the Program Details screen is by using the program guide. Highlight the program name in the program guide and press INFO.
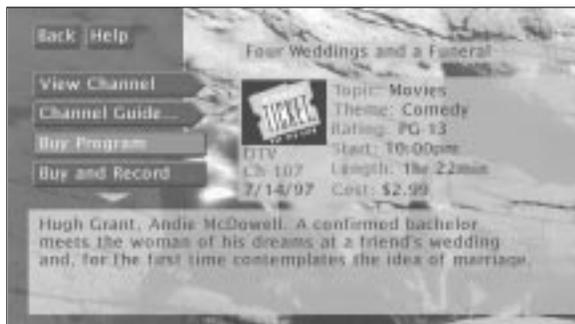
The Program Details screen gives you several options.

You need to connect your phone line to your digital satellite receiver to be able to order PPV programs using the on-screen menus.

You can select:

- *View Channel* to tune to that channel
- *Channel Guide* to see a program lineup for that channel
- *Buy Program* to purchase the program
- *Buy and Record* to purchase and record the program. Once you specify the time, the one-touch record function places the program in the timers and automatically records it for you.
- *Other Times* to see what other times the program is available. The program title is automatically entered and sorted in the AlphaSort control panel. If no other times are available, this option does not appear.

The options available to you may vary according to the type of program you select.

The Menu System

Using the Attractions Guide

Your program providers may offer future programming events not currently listed in your Program guide. These events are called "coming attractions," and can be previewed in the Attractions Guide.

1. Press the GUIDE button on the remote until the Detail Guide or Grid Guide appears on-screen.

2. Use the down arrow button to move the highlight to the bottom of the screen.

3. Point to and select the *Other Guides* button.

4. Point to and select the *Attractions Guide*.

The Other Guides menu provides several guide formats.

5. Point to a channel and select it.

The Attractions Guide is accessed through the Other Guides menu.

The Menu System

Using the Purchases Menu

The Purchases menu allows you to review upcoming and past purchases.
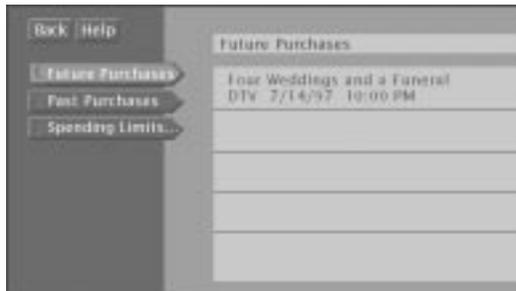
The Purchases menu shows you upcoming or past purchases, and spending limits.

The list of purchases may be longer than one screen; use the down arrow keys to see more items. The display also shows the title, channel, date, time, and cost of each program.

• Note that the Past Purchases list might not be updated until the end of the billing cycle, and therefore may show purchases for which you have already paid.

Reviewing and Canceling an Upcoming Purchase

Use Point and Select to choose an upcoming purchase from the *Future Purchases* screen. You can review the program description, as well as cancel an upcoming purchase.
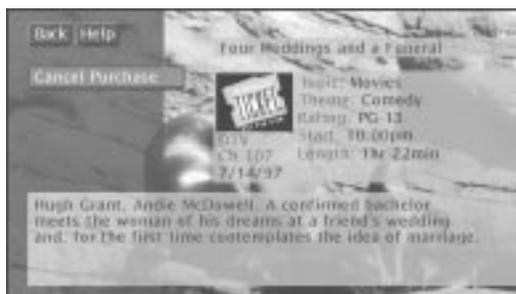
The Purchase Edit screen lets you cancel an upcoming purchase.

The Menu System

Spending Limits

Use the *Spending Limit* option to indicate a per-event spending limit for Pay per view programs.

1. Point to *Spending Limit*, and press OK.

You can set a per-event spending limit for each Profile.

2. Use the digits on the remote control or use the arrow keys to enter a single-program spending limit.

After a spending limit is set *and* the system is locked, you must enter a password to purchase a Pay per view program that costs more than your spending limit allows.

Timers Feature

The Timers feature allows you to preset your digital satellite receiver to automatically tune to a particular channel at a predetermined time.

To use the Timers feature, select *Timers* from the Main menu to bring up the Timers screen. Select a Timer (1-8) and then use the arrow keys to complete the on-screen sentence. When the sentence is complete, select *Run Timer*.

Complete the on-screen sentence to set up a timer.

③ Purchases...

Important!

Spending limits are in effect only when the DIRECTV System is locked. See the "Locking the System" section for details.

The Menu System

Setting Up Timer Recordings

The Timers feature allows you to set up timer recordings when you connect the VCR Controller to your digital satellite receiver, and tell the receiver what type of VCR you are using.

Recording with Timer

If you choose *Record* instead of *Watch* when setting the Timer (and have set up your VCR as previously discussed), the Timer will toggle on your VCR, then start and stop recording a program.

To record with timers:

- Your VCR must be preset to the DIRECTV System output channel (RF or Line).

- Your VCR must be OFF at the time the program is to start recording.

Schedule a Timer with the RECORD Button

You can schedule a recording directly from the guide.

1. With a program highlighted, press the RECORD button on the remote. The *Program Details* appears on-screen.
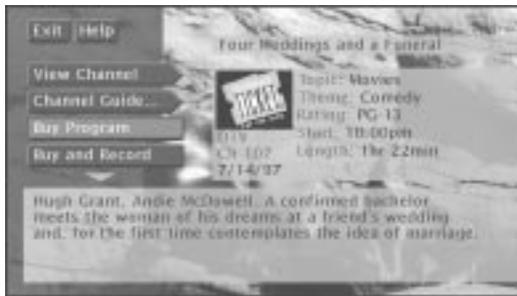
2. To schedule a timer to record, select:

- *Record Program* to set a timer to record the program.

- *Buy and Record* to purchase the program and set up a timer to record the program. (Some *Buy and Record* programs may have a different purchase price.)

The options available to you may vary according to the type of program you select.

On-screen icons are an easy way to understand the timers:

indicates that the timer is set.

indicates that the timer is set for a PPV.

indicates a timer conflict.

Editing or Canceling a Timer

From the Timers screen, select the Timer you want to edit or cancel, and then do the following:

- Use the arrows keys to edit the Timer, then select *Run Timer*.

- Select *Clear Timer* to cancel the timer.

- To watch the program daily or weekly, edit that program's timer.

The Menu System

Profiles

When you select *Profiles* from the Main menu, the first screen you see is the *Master Edit* control panel. In addition to the Family profile, you can create as many as four different profiles that can be easily accessed by using the WHO button on the remote control.

You can personalize the profile by entering a name.

You can personalize each profile.

You can also edit the user profiles. Select a profile from the *Edit Users* control panel. By moving down the options you can create or edit the user's channel list, set a ratings limit, viewing hours, per-event spending limits, and assign a profile password.

Creating a Profile Channel List

1. Point to and select a user.

2. Point to *Edit Channels* and press OK.

To start, you can add or delete all channels.

3. Use the arrow keys to point to a channel, and press OK to remove (or replace) the check mark. Checkmarked items appear in the

channel list.

Add or Delete All Channels

You might be able to save time when creating a channel list by using the *Add All Chans* option or the *Delete All Chans* option to either add all channels or delete all channels before removing or adding individual channels.

Also, program providers may make additional channels available. To prevent new channels from appearing in a profile channel list, choose *Delete All Chans* and checkmark only the channels you want to appear in the list.

Setting the Ratings Limit

The Ratings Limit menu enables you to set a maximum ratings viewing limit for rated movies (based on the MPAA ratings system), as long as the program provider has transmitted the proper code.

* Note that the ratings limit cannot be enforced if a program has not been rated, if rating information for that program is not transmitted by the program provider, or if the system has not been locked.

1. Point to *Set Rating Limit* and press OK.
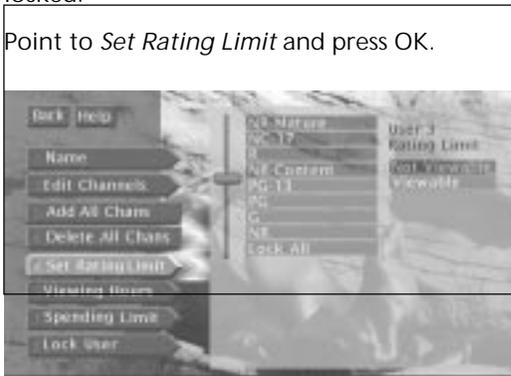
Use the arrow keys to move the selector up and down.

2. Use the up and down arrows to move the rating selector to the highest rating you want to be able to view. In the preceding illustration, movies that are rated up to and including a "PG-13" rating can be viewed.

After the *Rating Limit* is set *and* the system is locked, you must enter the system password to watch programs with a rating higher than your limit.

5 Profiles...

Important!

You need to lock the system in order for rating limits, channel limits, viewing hours, and spending limits to go into effect.

After you lock the system, you need to enter the system password to edit the limits. See "Locking the System" for details.

The Menu System

Viewing Hours

Use the *Viewing Hours* option to limit the total amount of time, as well as the time of day, that a user can watch programming.

1. Point to *Viewing Hours*, and press OK.
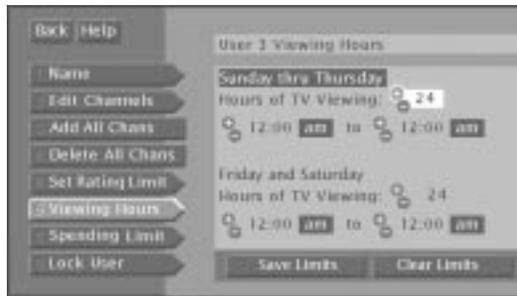
You can limit viewing seven days a week.

2. Use the digits on the remote control or point to the + or – and press OK to complete the on-screen sentence. Choose the days to view, how many hours can be viewed each day (0-24 hours), and the time of day that programming can be viewed. Be sure to lock the system for these limits to take effect.

Setting Up Spending Limits

Select the *Spending Limit* option to indicate a per-event spending limit for Pay per view programs.

1. Point to *Spending Limit*, and press OK.

You can set a per-event spending limit for each profile.

2. Use the digits on the remote or use the arrow keys to enter a single-program spending limit.

After a spending limit is set and the system is locked, you must enter the system password to purchase a Pay per view program that costs more than your spending limit allows.

The Menu System

Locking a User's Profile

Each user can be assigned a personal password to lock his or her profile. When a password is assigned, the user must enter the password before he or she can view programs using that profile. Profile passwords do not allow access to, or editing of the profile limits. You must enter the system password to edit profile limits.

1. Point to *Lock User* and press OK.

Each user can have a password.

2. Use the arrow or digit keys to select each number of the password.

Locking the System

You can lock the system in order to put the ratings, spending, viewing, and channel limits you have set up into effect . When you lock the system, no one can modify any of these settings without first entering the four-digit system password.

1. Point to *Lock System* and press OK.

Locking the system protects the limits you set up.

2. Use the arrows or the digit buttons to enter a four-digit system password.

3. Enter the password a second time to confirm it.

In order for the changes to take effect, you must exit out of the menu system.

⑤ Profiles...

After the system has been locked, you must enter the correct password in order to access the *Edit Users* control panel.

Don't Forget Your Password

If you forget a USER password, you need to unlock the system and then assign a new user password.

If you forget the SYSTEM password, contact your program provider's authorization center.

The Lock/Unlock icons in the channel banner provide an easy way to lock or unlock the system. Just press INFO and select the icon to change the lock status.

Green Unlock icon The system is unlocked. Spending, viewing and other limits can be accessed and changed.

Yellow Unlock icon A password has been entered to override family or profile limits. No limits can be accessed or changed.

Yellow Unlock icon with a "P" A password has been entered to override limits for the current program. After the program ends, limits are restored.

Red Lock icon No limits can be accessed or changed. A password is required to override limits or access the system.

The Menu System

Unlocking the System

When the system is unlocked, the channel, spending, viewing, and ratings limits that you set are no longer in effect. To unlock:

1. Point to *Unlock System* in the *Profiles* menu and press OK.

2. Point to *Yes* and press OK to confirm that you want to unlock the system.

When you attempt to access a channel that is blocked by one or more limits (and the system is locked), you will be asked to unlock the system by entering the four-digit system password.

If you enter the password to override a limit, all limits are unlocked until you turn off the digital satellite receiver. When you turn on the receiver again, the system will be locked, and the Family profile channel list will be selected. If you want to re-lock the system without turning off the receiver, you can select the lock icon in the channel banner.

Program Unlock

If the system is locked and you want to access a blocked program without unlocking all settings, press INFO and highlight the Lock icon in the channel banner. Make sure to check the box beside "Unlock this program only," and enter the system password. This program is no longer blocked, but all other settings remain in effect.

Choosing Your Profile

Each time you turn on the digital satellite receiver, the Family profile is selected by default. To select a different profile:

1. Press the WHO•INPUT button to scroll through the profiles.

The WHO•INPUT button toggles through the profiles.

2. When your profile appears, enter your four-digit personal password to activate your profile.

3. If the profile is not password protected, you can just press OK to activate it.

The channel, spending, ratings and viewing limits associated with the chosen profile will be active only when the system is locked.

The Menu System

Options

The Options menu lets you set up preferences for the look and feel of the system as well as how some of the features work.

The Options menu lets you change how the system works.

The following sections explain your options when changing your personal preferences. Follow the on-screen instructions to make changes to the system.

Interactive Setup

If you self-installed your satellite dish antenna, you may have already used the interactive setup to find the dish pointing coordinates, acquire and fine-tune the signal, and run a system test. If you just want to check your dish pointing coordinates, or run the signal strength meter, select *Dish Pointing* from the Main menu.

The Menu System

System Info

Select *System Info* from the *Options* menu to choose from a list of on-line Help topics. Point and select to find out about the specific parts of the DIRECTV system.

Program Guide shows a screen-by-screen overview of the Program Guide features.

Menu System shows a screen-by-screen overview of the DIRECTV System menus.

Remote Control shows a descriptive list of the remote control buttons.

Front Panel shows a list of the digital satellite receiver's front panel features. Point to an item to see a brief description.

Back Panel shows a list of the digital satellite receiver's back panel features. Point to an item to see a brief description.

Glossary shows a list of common DIRECTV System and TV terms. Point to a glossary item to see a brief description.

Look and Feel

Default Guide lets you choose which guide appears first when you press the GUIDE button on the remote control. The choices are Grid Guide, Detail Guide, and the SurfGuide.

Color Scheme lets you pick which colors appear in the guide and menu systems.

Translucency lets you choose the translucency of the menu displays. Slide the indicator bar to make the screens more opaque or less opaque.

Animation lets you select which graphics are displayed and also lets you select the animation time-out.

Edit Fetch lets you combine your favorite menu items onto one menu, or assign one function to the Fetch button on the remote control. (See the section "Edit Fetch Menu" for details.)

Options...

The Menu System

System Options

System Test The System Test display screen is accessed through the *Options* menu, and allows you to initiate diagnostic procedures on the digital satellite receiver. You should use this feature to get your Access Card number, or when your digital satellite receiver doesn't seem to be working correctly.

A message screen appears, telling you whether the DIRECTV System passed each test. If your system fails a test, run the System Test several times before concluding that there is a problem. Occasional fluctuations in the phone line or satellite signal can give temporary false readings.

New Access Card Periodically, your program provider may issue you a replacement Access Card. The New Access Card Setup display screen allows you to transfer information from the old card onto the new one.

Follow the display screen prompts to initialize your new card. Once you have transferred the information to the new card, your old card becomes invalid. The Access Card fits into the digital satellite receiver through the front panel.

Because your specific account information is stored in the Access Card, power failures should have no effect on your DIRECTV System.

Set VCR Type To use the VCR controller feature, you need to tell the receiver which VCR brand you are using.

1. Use the arrows or digit keys to input the correct code for your VCR brand. The VCR codes are located in the Remote Control section.

2. Follow the on-screen instructions to ensure that you are using the correct code. If the VCR automatically stops tape play, then you know that the receiver and the VCR are communicating.

    • Some VCR brands may not be capable of being controlled by the receiver.

Remote Setup Lets you choose which remote control button will control the digital satellite receiver if you are using a universal remote that did not come with the DIRECTV System.

RF Remote Setup (If Available) If your system is equipped with an RF remote, the remote can control the digital satellite receiver using both IR (Infrared) signals and RF (radio frequency) signals. IR signals require line of sight to the receiver's front panel remote sensor. RF signals can control the receiver from other parts of your house–even through walls.

Occasionally, due to interference or other RF devices, you may need to change the remote and digital satellite receiver RF code. To change the code, follow the on-screen instructions.

The Menu System

Output Channel Lets you choose on which channel to view satellite programming, either channel 3 or channel 4.

Picture Size The Picture size display screen allows you to choose between a standard TV screen and a Cinema option. A standard TV screen has an aspect ratio of 4:3; the Cinema option has an aspect ratio of 16:9.

Data Port Lets you choose whether the Home Control jack is used for low speed data or communicating with the Home Control Base accessory. See the Home Control section in this book for more information.

Audio Language

When you select *Audio Language* from the *Options* menu, the Audio Language display screen comes up.

Point to the audio language or audio type you want and press OK. The digital satellite receiver will then automatically set the audio program to the selected audio program type or language, when available.

To change the audio:

• Point to *Audio Language* on the *Options* menu and press OK to set the default *Audio Language*.

Alternate Data

Selects from among the available data on the current channel.

Options...

The Menu System

The Dish Pointing Menu Screen

Follow these steps to obtain your dish pointing coordinates:

1. Turn on your television and digital satellite receiver.

2. Tune your television to the digital satellite receiver's output channel.

3. Press MENU on the remote control to bring up the Main menu.

4. Use the arrows to highlight *Dish Pointing*, then press OK to access the dish pointing screen.

   NOTE: The menu screen that you see may be slightly different from the one pictured here.

5. Use the arrows on the remote control or the front panel to highlight *Zip Code*, then press OK.

6. Enter the Zip Code for the dish installation location.

7. Record the elevation and azimuth numbers below.

   Elevation _____   Azimuth _____
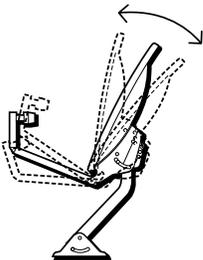
Elevation is the up/down angle that the satellite dish antenna is pointed.
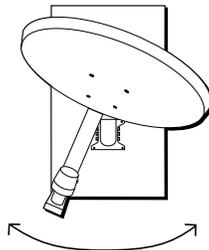
Azimuth is the side-to-side direction that the satellite dish antenna is pointed.

You only need to use one of the available methods to find your dish pointing coordinates. If you know the zip code for the dish installation location, use that.

The Menu System

Using the On-Screen Signal Meter

The signal strength meter is used to determine whether or not you are receiving the satellite signal; it also indicates the strength of the satellite signal.

Follow these steps to bring up the on-screen signal meter:

1. Turn on your television and digital satellite receiver.

2. Tune your television to the digital satellite receiver's output channel.

3. Press MENU on the remote control to bring up the Main menu.

4. Use the arrows to highlight *Dish Pointing*, then press OK to access the dish pointing screen.

5. Use the arrows on the remote to highlight *Signal Meter*, then press OK.
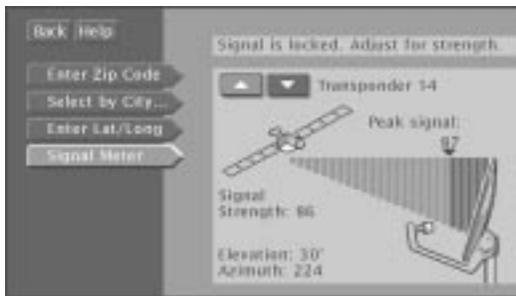
If the satellite dish antenna is pointed to the correct azimuth and elevation, the signal meter will show you the current signal strength (and you should hear a continuous tone).

If you are not receiving a signal, you need to incrementally adjust the azimuth setting on the satellite dish antenna. After you receive a signal, you will want to continue to adjust the azimuth to try to get the best possible signal.

Important

Changing transponders is not the same as fine-tuning the dish. Although the signal strength may appear to change, this may be due to different types of interference. To fine-tune the dish, consult the Installation Guide and follow the instructions on adjusting the dish elevation and azimuth.

Peak Signal

The "Peak Signal" indicates the highest signal strength you have obtained, which is not necessarily the highest possible signal.

While the maximum signal strength is 100, the signal strength you achieve will probably be less. Although there is no difference in picture quality between signal strengths of 60 and 85, the higher the signal, the less likely you are to experience negative effects in degraded conditions such as rain or snow (called "rain fade").

The Menu System

Home Control

Home Control lets you remotely control several lamps and devices through your digital satellite receiver.

Home Control Setup

The Home Control Data Interface connects to the HOME CONTROL jack on the back of the digital satellite receiver. Once connected, you must tell the receiver to use this jack for Home Control.

1. Press OK to bring up the Main menu.

2. Point to and select *Options.*

3. Point to and select *System Options.*

4. Point to and select *Data Port* and choose *Home Control* as the default setting.

Device Setup

1. From the Main menu select *Home Control.*

Home Control can control several devices.

2. Select a device you would like to control.

3. Complete the on-screen sentence using the arrow buttons and OK. Press OK to scroll through the lists of devices and locations.

To use the Home Control feature, you must connect one end of the Home Control Data Interface to a remote module attached to the device you want to control. The other end should connect to the HOME CONTROL jack on the back of the digital satellite receiver via a coiled telephone handset cord (available from most retailers).
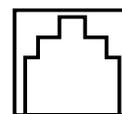
HOME CONTROL JACK

Home Control modules are available as accessories and may be purchased through your satellite dealer or the accessories order form at the back of this book.

The Menu System
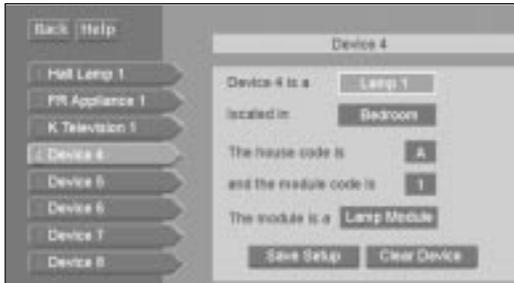
Keep track of devices by assigning a label.

4. Use the arrow buttons and OK to select the house and module codes that match the device's remote module and label the module. Select *Save Setup* to complete the setup.

Device Control

Once the device is set up, there are two ways to control it: with the menu system or with a timer. Select a device from the Home Control menu screen. You can then turn it on, turn it off, or adjust the brightness for lamp modules.

Select *Edit Setup* to change a device.

Control the device from the menu.

To schedule a timer:

1. Select *Set Timer*.

2. Schedule a timer by completing the on-screen sentence.

Complete the on-screen sentence to schedule a timer.

On-screen icons are an easy way to understand the timers.

indicates that the timer is set.

indicates that the timer is suspended.

You can schedule several timers to control the same device at different times.

3. Use the arrows and OK to enter an *on* and *off* time.

4. Point to and select *Run Timer*.

Clear Timer removes all the timer information.
Suspend turns off the timer, but saves the timer information.

Edit Fetch Menu

The Edit Fetch menu gives you the option of using Fetch in two ways:

- You can customize eight functions on the Fetch menu, or

- You can customize the Fetch button on the remote control to take a certain action each time it is pressed.

To view the Edit Fetch menu, press MENU to bring up the Main menu, select *Options*, select *Look and Feel*, then select *Edit Fetch*.
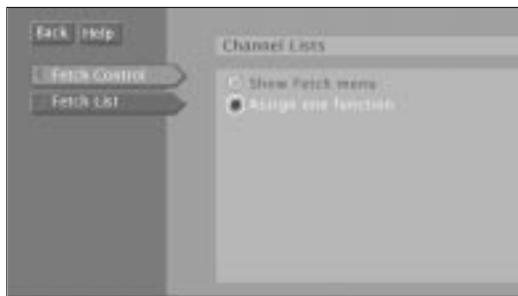
The Edit Fetch menu is a convenient way to call up frequently used menu items.

Customizing the Fetch Menu

To customize your Fetch menu:

1. Press MENU to bring up the Main menu.

2. Point to and select *Options*, *Look and Feel,* and then *Edit Fetch*.

3. Select *Fetch Control.*

4. Press OK to choose *Show Fetch Menu.*

5. Select *Fetch List* from the Edit Fetch menu.

6. Choose which eight menu items you would like to include in your customized menu by checkmarking them with the OK button.

Choose which menu items to include in your customized Fetch menu.

7. Press the left arrow key to confirm your selections and return to the menu.

When you would like to access your customized menu, press the FETCH button on the remote control.

Customizing the FETCH Button

To customize the FETCH button on the remote control:

1. Press MENU to bring up the Main menu.

2. Point to and select *Options, Look and Feel,* and then *Edit Fetch.*

3. Select *Fetch Control.*

4. Choose *Assign One Function.*

5. Select *Fetch List* from the Edit Fetch menu.

6. Choose which menu item you would like to assign to the FETCH button by pointing and selecting.

The Menu System

Choose which menu item to assign to the FETCH button.

7. Press the left arrow key to confirm your selection and return to the menu.

You may press the FETCH button on the remote control and execute the assigned function at any time while viewing satellite programming.

Tips & Troubleshooting

Tips for Solving Problems

You may have some questions about using your DIRECTV System that have not yet been answered. This section provides the answers to many such questions. You will find out how to run a system test, and how to diagnose and correct problems.

1 Setup and Connections

2 Using the Remote

3 Program Guides

4 The Menu System

5 Tips & Troubleshooting

Tips & Troubleshooting

Running the System Test

The System Test function allows you to run a basic diagnostics check on your DIRECTV System. If you are experiencing any trouble with your system, run the system test.

First make sure that:

*   All connections—jacks, cables, etc.—are correctly in place. See the "Setup and Connections" section for more information.

*   There are batteries in the remote control, and they are working correctly.

*   The Access Card is installed in the digital satellite receiver.

Follow these steps to run the system test:

1. Turn on your TV and the digital satellite receiver.

2. Press the DIRECTV button to put the remote control in satellite mode, then press OK to bring up the Main menu.

3. Point to and select *Options*.

4. Point to and select *System Options*.

5. Point to and select *System Test*.

6. If your system does not pass the system test, check these potential trouble areas: cabling, satellite dish pointing, phone connection, and Access Card.

7. If you continue to have problems, call 1-800-679-4776.

Fine-Tuning the Signal

If your satellite dish antenna is self-installed, you may have already used the interactive setup to find the dish pointing coordinates, acquire and fine-tune the signal, and run a system test.

If you need to run the interactive setup again, select *Options* from the Main menu, then select *Interactive Setup*.

If you just want to check your dish pointing coordinates, or run the signal strength meter, select *Dish Pointing* from the Main menu.

Note:

You should run a system test several times before concluding that there is a problem. Occasional fluctuations in the phone line or satellite signal can give temporary false readings.

Tips & Troubleshooting

How Signal Flow Works

Satellite Signal
From satellite dish antenna

TV Signal
From antenna or cable

Digital Satellite Receiver

SATELLITE IN | OUT TO TV | IN FROM ANT | Audio Out (Right, Left) | Video Out (Video, S-Video)

If you use coaxial cables with audio/video cables, view the satellite or off-air antenna signal by tuning the TV to its Line Input Channel.

If you use coaxial cables without audio/video cables, view the satellite or off-air antenna signal by tuning the:

TV to channel 3

VCR to channel 3

VCR

ANT IN

OUT TO TV

CH 3
CH 4

Audio/video cables

Coaxial cables

TV

ANT IN

Audio In (Left, Right) | Video In (Video, S-Video)

How the Satellite Signals get to Your TV

In the example above:

1. Program providers send signals to your satellite dish antenna.

2. The satellite dish antenna sends the signal to the digital satellite receiver's SATELLITE IN jack.

3. The signal continues through the coaxial cable to the VCR and then to the TV. (The VCR may seem like an unnecessary link in the chain, but this setup lets you record programming and off-air antenna/cable programming.)

If you use audio/video cables, the satellite signal also flows through the audio/video cables to the TV's line inputs (left, right, and video or S-video).

How Off-Air Antenna/Cable Signals get to Your TV

In the example above:

1. Off-air/cable broadcasters send signals to your off-air antenna or through cable to your home.

2. The signal passes through the digital satellite receiver along the coaxial cable to the VCR and then to the TV. (The VCR may seem like an unnecessary link in the chain, but this setup lets you record programming and off-air antenna/cable programming.)

Tips & Troubleshooting

Wrong picture

The receiver and most VCRs let you toggle between signals. If you don't see the signal you think you should be seeing, try the following:

• Press the TV/VCR button on the VCR remote control or on the VCR's front panel.

• Press the ANTENNA button on the remote control.

Both of these actions let you switch the source of the video signal from the satellite to the off-air antenna or cable, and vice versa.

Problems with the remote control

• If your remote is not an RF remote control, maybe something is between the remote and the remote sensor.

• Maybe the remote control is not in DIRECTV satellite mode. Press the DIRECTV button so that the remote will control the digital satellite receiver.

• Maybe the batteries in the remote control are weak, dead or installed incorrectly. Try replacing the batteries. (Note, if you remove the batteries, you may have to reprogram the remote.)

• Remove the batteries and hold the number 1 button for at least 60 seconds to drain the microprocessor inside the remote. Then release the button, replace the batteries, and (if necessary) reprogram the remote control.

• Remove all of the batteries for approximately 12 hours. Then replace the batteries and (if necessary) reprogram the remote control.

Blank screen

• Maybe the device (digital satellite receiver, VCR, DVD, etc.) connected to the input jack is not turned on.

• Try another channel. There may just not be anything on that channel at that time.

Receiver will not turn on

• Check to make sure it is plugged in.

• Check the wall receptacle (or extension cord) to make sure it is "live" by plugging in something else.

• Maybe batteries in the remote control are "dead."

• Maybe the remote control is not aimed at the remote sensor.

• The front panel controls may be locked (disabled). Use the remote control to unlock the front panel controls by selecting the *Front Panel Lockout* in the Parental Controls menu and choosing *Unlock*.

LED Light Flashes on front panel

• You have mail. Read the message by selecting *Mailbox* from the Main Menu and selecting the message. Flashing will stop.

Turns off while playing

• The "Schedule Off" function may have been activated.

• Electronic protection circuit may have been activated because of a power surge. Wait 30 seconds and then turn on again. If this happens frequently, the voltage in your house may be abnormally high or low.

TV Turns on or changes channels unexpectedly

• Scheduled Watch from the Timers menu may have been activated.

Repair Help

Thomson Consumer Electronics offers a hardware repair service if you encounter any problems with your DIRECTV System. Many problems can be diagnosed over the phone; if necessary, a replacement unit can be shipped to you. Please have your DIRECTV System model, serial number and date of purchase ready when you call. If your unit is out of warranty, we will quote the cost of an exchange unit to you. Refer to the RCA Satellite System Limited Warranty for the repair service phone number.

Returning Equipment to Thomson for Repair or Exchange

If we are unable to resolve your problem over the phone we will gladly service your unit or exchange it for a new or refurbished unit. Refer to the limited warranty in this booklet to learn about your specific rights and responsibilities. *Always consult Thomson and get a Return Authorization number before returning anything.* To avoid delays, accounting errors, or even loss of your unit, obtain a Return Authorization (RA) number from the telephone representative before returning your equipment.

Important Information to Customers Who Ship Defective Equipment to Thomson Consumer Electronics

The Thomson representative who authorizes the return of your equipment will give you an RA number over the phone. The representative will also provide you with instructions on where and how to return your unit. Write the RA number in large, clear characters on the outside of the box. *To avoid confusion and misunderstandings, shipments without an RA number clearly visible on the outside of the box will be returned to you at your expense.*

Include a brief note describing the problem and any conversations you have had with Thomson personnel about the problem. Include your name, address, and the model/serial number of your unit. These numbers are located on the back of your digital satellite receiver. If your DIRECTV System is within the warranty period, please include a copy of the bill of sale to verify purchase date. Use the original box and packing material to protect the equipment from damage in shipment. *For your protection, insure all shipments for full replacement value and use a reliable shipper.* Thomson assumes no responsibility for warranty shipments from the customer to the factory if not shipped in the manner prescribed by Thomson.

RCA SATELLITE SYSTEM LIMITED WARRANTY

What your warranty covers:

• Any defect in materials or workmanship.

For how long after your purchase:

• 90 days - Unit exchange, which includes parts and labor.
• 91 days to 1 year - Unit exchange, which includes parts only; you pay for the labor.
• The warranty for rental units begins with the first rental or 45 days from date of shipment to the rental firm, whichever comes first.

What we will do:

• During the initial 90 days:
  Exchange the defective portion of your DIRECTV System with a new or (at our option) refurbished unit.
• After the 90 days and within one year:
  Exchange the defective portion of your DIRECTV System with a new or (at our option) refurbished unit. We will charge you a flat exchange cost to replace a defective digital satellite receiver. This charge covers the labor cost for its repair.

How to get service:

• Call 1-800-679-4776 and have your unit's date of purchase and model/serial number ready. The model/serial number information is on the back of your digital satellite receiver.
• A representative will troubleshoot your problem over the phone.
• If the representative determines that you should receive a replacement digital satellite receiver you will be provided with a Return Authorization (RA) number and the location of a nearby exchange point if one exists. No returns will be accepted without the RA number.
• If the representative determines that your satellite dish antenna is defective he or she will arrange for its repair or replacement.

Appendix A: Warranty Information

Option 1
1. Provide your Discover, MasterCard or Visa account number and expiration date to your phone representative. This is for security purposes only; your account will not be charged at this time.
2. We will send you a replacement unit.
3. If you return the unit to us within 14 days from the date you were provided a RA number, only items not covered by warranty will be charged to your account. If your unit is not received within 14 days, the suggested retail value of the receiver will be charged to your credit card. This amount will be credited, less a $10 handling fee, if the unit is subsequently received.
4. Ship your defective unit back to us using the replacement unit's carton. Shipping instructions and your RA number will be included on the carton. Make sure you insure your shipment in case of damage or loss. Include with the shipment:
    1. Evidence of purchase date, such as a bill of sale.
    2. A brief note describing your receiver problem.
    3. Your name, address, and phone number.

Option 2
1. We will send a replacement unit to our exchange point.
2. The exchange location will notify you of its arrival.
3. Take your unit and evidence of purchase date, such as a bill of sale, to the exchange location and you will be provided the new or refurbished unit. Please retain all accessories such as the remote control hand unit.
4. If the repairs are covered by your warranty, you will not be billed.

Thomson assumes no responsibility of warranty shipments from the customer to the factory if not shipped in the manner prescribed by Thomson.

To receive a replacement digital satellite receiver after we have received your unit:

•   Write the RA number on the outside of the carton used to return the unit. Insure your shipment in case of damage or loss.
•   Carefully pack the unit using the original box and packing material if possible. Please retain all accessories that were included with your unit, such as the remote control hand unit.
•   Include with the shipment:
    1. Evidence of purchase date (such as a bill of sale).
    2. A brief note describing your receiver problem.
    3. Your name, address, and phone number.
•   The representative will advise the addressee to mail a cashier's check or money order for payment if there are any out-of-warranty labor or parts charges, and you elect not to use your credit card.
•   After we receive your product, a new or refurbished unit will be shipped to you.

What your warranty *does not* cover:

•   Acts of God, such as but not limited to: lightning damage.
•   Adjustment of customer controls.
•   Damage from misuse or neglect.
•   A unit that has been modified or incorporated into other products or is used for institutional or other commercial purposes.
•   Batteries.
•   Units purchased, serviced, or operated outside the Continental U.S.A. or Alaska.
•   For units intended for use in Alaska, this warranty does not cover installation or the satellite dish antenna. It only covers the receiver.
•   Loss of programming.
•   Installation.

- Shipping damage, if the unit was not packed and shipped in the manner prescribed by Thomson.
- Storage fees may be charged by the exchange point if you fail to pick up the replacement unit in a timely manner.

Product Registration:

- Please complete and mail the Product Registration Card packed with your product. It will make it easier to contact you should it ever be necessary. The return of the card is not required for a warranty coverage.

How state law relates to warranty:

- This warranty gives you specific legal rights and you may have other rights that vary from state to state.

If you purchased your product outside the United States:

- This warranty does not apply. See your dealer for warranty information.

Appendix B: FCC Regulations

FCC Registration Information

Your equipment is registered with the Federal Communications Commission and is in compliance with parts 15B and 68, FCC Rules and Regulations.

1. **Notification to the Local Telephone Company.**
On the bottom of this equipment is a label indicating, along with other information, the FCC Registration number and Ringer Equivalence Number (REN) for the equipment. You must, upon request, provide this information to your telephone company.

The REN is useful for determining the number of devices you may connect to your telephone line and still have all these devices ring when your telephone number is called. In most (but not all) areas, the sum of the RENs of all devices connected to one line should not exceed 5. To be certain of the number of devices you may connect to your line, as determined by the REN, you should contact your local telephone company.

Note: This equipment may not be used on coin service provided by the telephone company. Party lines are subject to state tariffs, and therefore you may not be able to use your own telephone equipment if you are on a party line. Check with your local telephone company.

Notice must be given to the telephone company upon permanent disconnection of your equipment from your line.

2. **Rights of the Telephone Company.**
Should your equipment cause trouble on your line that might harm the telephone network, the telephone company shall, where practicable, notify you that temporary discontinuance of service may be required. Where prior notice is not practicable and the circumstances warrant such action, the telephone company may temporarily discontinue service immediately. In case of such temporary discontinuance, the telephone company must: (1) promptly notify you of such temporary discontinuance (2) afford you the opportunity to correct the situation and (3) inform you of your right to bring a complaint to the Commission pursuant to procedures set forth in Subpart E of Part 68, FCC Rules and Regulations.
The telephone company may make changes in its communications facilities, equipment, and operations of procedures where such action is required in the operation of its business and is not inconsistent with FCC Rules and Regulations. If these changes are expected to affect the use or performance of your telephone equipment, the telephone company must give you adequate notice, in writing, to allow you to maintain uninterrupted service.

Radio Interference

This equipment has been type tested and found to comply with the limits for a Class B Digital Device in accordance with the specifications in Part 15 of FCC Rules. These rules are designed to provide reasonable protection against radio and television 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 communications. However, there is no guarantee that interference will not occur in a particular installation.
If this equipment does cause interference to radio or television reception (which you can determine by turning the equipment off and on), try to correct the interference by one or more of the following measures:

*   Reorient or relocate the receiving antenna (that is, the antenna for radio or television that is "receiving" the interference).
*   Change the position of the satellite receiver with respect to the radio or television equipment that is receiving interference.
*   Move the satellite receiver away from equipment receiving interference.
*   Plug the satellite receiver into a different wall outlet so the receiver and equipment receiving interference are on different branch circuits.

If these measures do not eliminate interference, please consult your dealer or an experienced radio/television technician for additional suggestions. Also, the Federal Communications Commission has prepared a helpful booklet, "How To Identify and Resolve Radio/TV Interference Problems." This booklet is available from the U.S. Government Printing Office, Washington, D.C. 20402. Please specify stock number 004-000-00345-4 when ordering copies.
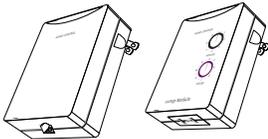
Appendix C: Accessories
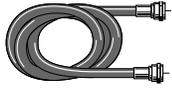
RG-6 Coaxial Burial Cable with weatherproof "F" connectors
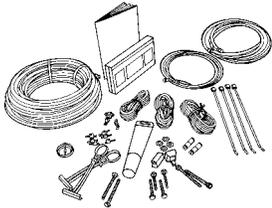
Self-Installer's Kit contains cable and hardware to install the dish and connect the DIRECTV system.

Remote Control replaces a lost remote. Or, order a second remote for convenience.

HCDSS10 Home Control Kit contains a lamp module and a Data Interface that connects to the receiver.

HC10LM Lamp module lets you control incandescent lamps. Use to dim/brighten and turn lamps on/off.

HC20AM or HC30AM Appliance modules turn small appliances, like coffee pots, popcorn makers, or stereos, on or off. Also controls non-incandescent lamps. Choose 2 prong (HC20AM) or 3 prong (HC30AM).

Accessory Order Form for DIRECTV Systems

Description	Part No.	Price	Qty	
RG-6 Coaxial Cable				
12 feet	D912	$12.95		
25 feet	D925	$15.95		
50 feet	D950	$21.95		
75 feet	D975	$29.95		
100 feet	D901	$35.95		
S-Video Cable 12 feet	D913	$12.95		
Weatherproof "F" Connector (2)	D905	$ 5.30		
TVRO Bullet Amplifier	D903	$24.95		
Self-Installer's Kit	DKIT96	$69.95		
Remote Control	240968	$34.95		
Home Control Kit	HCDSS10	$59.95		
Lamp Module	HC10LM	$14.95		
2-Prong Appliance Module	HC20AM	$16.95		
3-Prong Appliance Module	HC30AM	$16.95		

Prices are subject to change without notice.

Total Merchandise .... $ _____

Sales Tax .... $ _____

We are required by law to collect the appropriate sales tax for each individual state, country, and locality to which the merchandise is being sent.

Shipping, Handling, and Insurance .... $ 5.00

Total Amount Enclosed .... $ _____

Use VISA, MasterCard, or Discover preferably.
Money order or check must be in U.S. currency only.
No COD or CASH.

All accessories are subject to availability.

Detach Here

Please complete other side also

Charge your order on your VISA, MasterCard, or Discover Card by filling in below

USE YOUR CREDIT CARD

IMPORTANT: Copy complete account number from your VISA card

My card expires:

IMPORTANT: Copy complete account number from your MasterCard

Copy Number above your name on MasterCard

My card expires:

IMPORTANT: Copy complete account number from your Discover Card

My card expires:

AUTHORIZED SIGNATURE
(Credit card order will not be processed without signature)
Prices are subject to change without notice.

Print or type your name and address clearly.

A complete and correct order will save you days of waiting.

Name:

Street:

Apt:

City:

State: Zip:

Please make sure that both sides of this form have been filled out completely.

- Allow 4 weeks for delivery.
- All accessories are subject to availability.
- Prices are subject to change.

United States and Canada Orders

To place your order by phone, have your Visa, MasterCard or Discover Card ready and call the toll-free number listed below between 8AM and 10PM (EST) Monday through Friday or between 9AM and 5PM (EST) Saturday.

Use this number only to place on order for accessory items listed on this order form.

1-800-338-0376

To place your order by mail, detach and mail the completed order form with credit card information, money order or check in US currency (made payable to Thomson Consumer Electronics, Inc.) to the following address:

Video Accessories
PO Box 8419
Ronks, PA 17573

Index

If your DIRECTV System needs service, please contact your dealer or the nearest Servicenter from the Yellow Pages. Please do not send any products to the Indianapolis address listed in this manual or on the carton, as doing so will only add delays in service for your product.

100%
RECYCLED PAPER
MINIMUM 40% POST CONSUMER

PRINTED WITH
SOY INK™