RCA

Satellite Receiver User's Guide

Changing Entertainment. Again.

Important 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.

Remove any sales or promotional materials attached to the product.

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.

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 articles 810 and 820 of the 1999 National Electrical Code. Refer to article 810, in particular to 810-1 and 810-15, for required grounding of the metal structure of the Dish Antenna. Refer also to the 810-2 which, by reference to article 820, requires that the satellite dish coaxial cable shield be connected to the grounding system of the building as close to the point of cable entry as practical.

Care and Cleaning:

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

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 (packed separately) and return it immediately, or register online at rca.com. Returning the card allows us to contact you if needed.

Product Information

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. These numbers are located on the product.

Model No. _____

Serial No. _____

Purchase Date: _____

Dealer/Address/Phone: _____

WARNING

To reduce the risk of fire or electric shock, do not expose this product to rain or moisture. The apparatus shall not be exposed to dripping or splashing. No objects filled with liquids, such as vases, shall be placed on the apparatus.

CAUTION

RISK OF ELECTRIC SHOCK. DO NOT OPEN.

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

This symbol indicates "dangerous voltage" inside the product that presents a risk of electric shock or personal injury.

This symbol indicates important instructions accompanying the product.

IMPORTANT NOTICE:

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

Important Safety Instructions

1. Read these instructions.

2. Keep these instructions.

3. Heed all warnings.

4. Follow all instructions.

5. Do not use this apparatus near water.

6. Clean only with dry cloth.

7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

11. Only use attachments/accessories specified by the manufacturer.

12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13. Unplug this apparatus during lightning storms or when unused for long periods of time.

14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

1

Chapter 1: Connections & Setup

Things To Consider Before You Connect 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 (A/V) 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 and keep them away from the A/V cables as much as possible.
- Make sure all antennas and cables are properly grounded. See the inside front cover of this book for more information.

Protect Your Components from Overheating
- Do not block ventilation holes in any of the components. Arrange the components so that air can circulate freely. *Remove any sales or promotional materials attached to the product.*
- Do not stack components.
- Allow adequate ventilation when placing components in a stand.
- Place an amplifier or receiver on the top shelf of the stand so heated air rising from it will not flow around other components.

Choose Your Connection

There are several ways to connect your digital satellite receiver depending on the components you want to connect and the quality of the signal you want to achieve.

The next four pages show three options for connecting your satellite receiver to your other components, plus instructions for connecting your satellite receiver to a digital audio receiver. Choose the connection that most closely matches your components in order to get the best signal you can. For example, if your TV has component video inputs, use the Excellent Connection shown on the next page as a guide. If your TV only has an RF coaxial input, use the Basic Connection shown on page 5 as a guide.

Page 6 shows the kinds of cables you'll use to make connections.
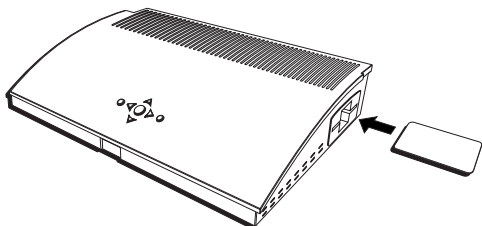
Insert Your Access Card

Find the access card in the material that came with your receiver. Make sure the card is facing up, and fully insert it into the slot on the right side of your satellite receiver.

Illustrations contained in this document are for representation only.   **Chapter 1**
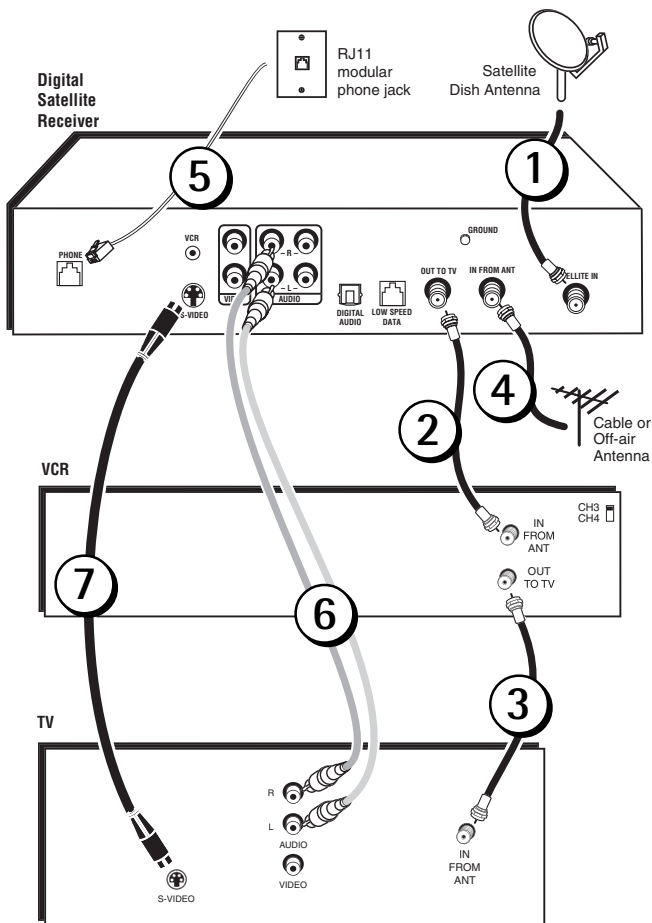
Note: Your VCR and TV back panels may not look exactly like the ones illustrated.

Excellent Connection

Using S–Video and A/V jacks and cables to connect to the TV, RF coaxial cables to connect the VCR

This connection provides the best picture quality, surpassing that of A/V cables. The S-Video cable, which carries video information only, requires that audio cables also be used for sound.

What you will need (see page 6 for descriptions of these cables):

- Two (2) RF coaxial cables
- Two (2) A/V cables
- One (1) S-Video cable
- One (1) telephone line cord
- Coaxial cable lines fed from a digital satellite antenna and a standard TV antenna (or cable line)

Making the Connection

1. Connect the satellite dish antenna feed (RG-6 coaxial cable) to the SATELLITE IN jack on the satellite receiver.

2. Connect one end of an RF coaxial cable to the OUT TO TV jack on the satellite receiver, and the other end to the antenna input jack on the VCR.

   Note: If your VCR has A/V input jacks, you can use A/V cables to connect the satellite receiver's second A/V jacks to the A/V jacks of the VCR instead of using the RF coaxial cable.

3. Connect one end of an RF coaxial cable to the antenna output jack on the VCR, and the other end to the TV's antenna input jack.

4. Connect the cable or off-air antenna feed (RF coaxial cable) to the IN FROM ANT jack on the satellite receiver.

5. Connect one end of the supplied telephone line cord to the PHONE JACK on the back of the satellite receiver, and the other end to an RJ11-type modular phone jack (the most common type of phone jack).

6. Connect two ends of the supplied A/V cables to AUDIO R and L jacks on the satellite receiver, and the other ends to the corresponding audio input jacks on the TV.

   Note: Make sure you connect jacks by their labels. For example, AUDIO R on the digital satellite receiver should be connected to TV's right audio input jack, L Audio to L Audio, etc.

   If your TV only has one audio input jack, use the satellite receiver's AUDIO L jack to make the connection.

7. Connect one end of the supplied S-Video cable to the satellite receiver, and the other end to the S-Video input jack on the TV.

Using Your Components

To watch DIRECTV® programming:
Tune the TV to its S-Video line input (if you have difficulty finding your TV's S-Video line input, see your TV's *User's Manual* or page 40 in this manual). Then tune the satellite receiver to the desired channel.

To record DIRECTV programming:
Tune the satellite receiver to the desired channel. Then set your VCR to record on the proper input channel (video line input if using A/V cables to connect the VCR to the satellite receiver, channel 3 or 4 if using RF coaxial cable).

To view VCR recordings:
Tune the TV to channel 3 or 4 (whichever is set on the VCR as its output channel). Begin VCR playback as usual.

DIRECTV programming is subject to the terms and conditions of the DIRECTV Customer Agreement; a copy is provided at DIRECTV.com and with your first bill. See page 10 for more information.

Connections & Setup
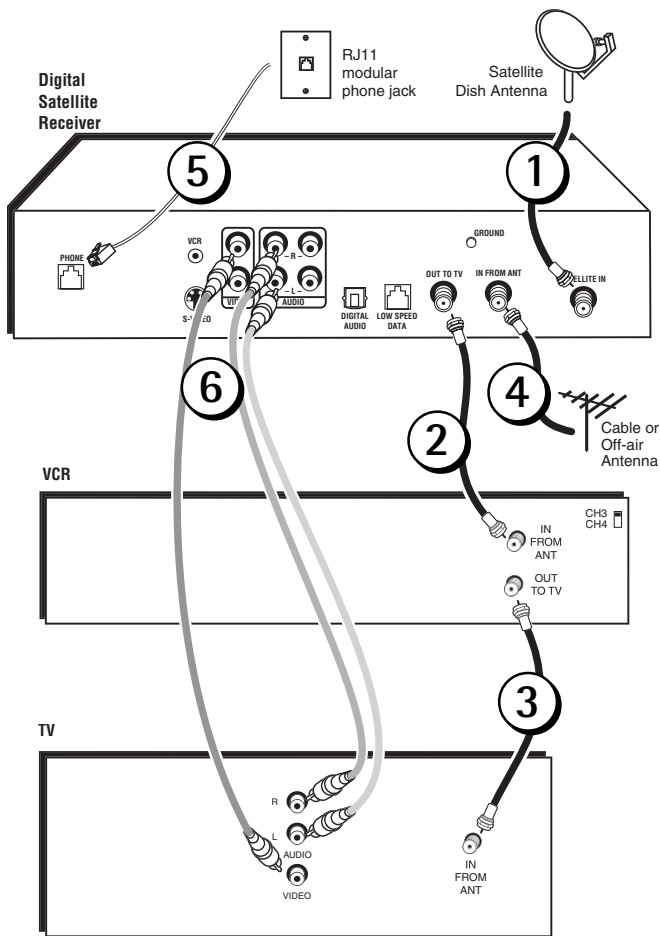
Note: Your VCR and TV back panels may not look exactly like the ones shown.

Very Good Connection

Using A/V jacks and cables to connect to the TV, RF coaxial cables to connect the VCR

This connection provides better picture quality than RF coaxial cables and is recommended for use with TVs that do not have S-Video input jacks.

What you will need (see page 6 for descriptions of these cables):

- Two (2) RF coaxial cables
- Three (3) Audio/Video cables
- One (1) telephone line cord
- Coaxial cable lines fed from a digital satellite antenna and a standard TV antenna (or cable line)

Making the Connection

1. Connect the satellite dish antenna feed (RG-6 coaxial cable) to the SATELLITE IN jack on the satellite receiver.

2. Connect one end of an RF coaxial cable to the OUT TO TV jack on the satellite receiver, and the other end to the antenna input jack on the VCR.

    Note: If your VCR has A/V input jacks, you can use A/V cables to connect the satellite receiver's second set of A/V output jacks to the A/V jacks of the VCR instead of using the RF coaxial cable.

3. Connect one end of an RF coaxial cable to the antenna output jack on the VCR, and the other end to the TV's antenna input jack.

4. Connect the cable or off-air antenna feed (RF coaxial cable) to the IN FROM ANT jack on the satellite receiver.

5. Connect one end of the supplied telephone line cord to the PHONE JACK on the back of the satellite receiver, and the other end to an RJ11-type modular phone jack (the most common type of phone jack).

6. Connect the ends of the supplied A/V cables to the satellite receiver's AUDIO and VIDEO jacks, and the other ends to the corresponding AUDIO and VIDEO input jacks on the TV.

    Notes: Make sure you connect jacks and cables corresponding to their labels. For example, AUDIO R output on the digital satellite receiver should be connected to AUDIO R input on the TV, VIDEO output to VIDEO input, etc.

    If your TV only has one audio input jack, use the satellite receiver's AUDIO L jack to make the connection.

Using Your Components

To watch DIRECTV® programming:
Tune the TV to its video line input (if you have difficulty finding your TV's video line input, see your TV's *User's Manual* or refer to the instructions on page 40 in this manual). Then tune the satellite receiver to the desired channel.

To record DIRECTV programming:
Follow the steps in the previous step, then tune the satellite receiver to the desired channel. Set your VCR to record on its proper input channel (channel 3 or 4).

To view VCR recordings:
Tune the TV to channel 3 or 4 (whichever is set on the VCR as its output channel). Begin VCR playback as usual.
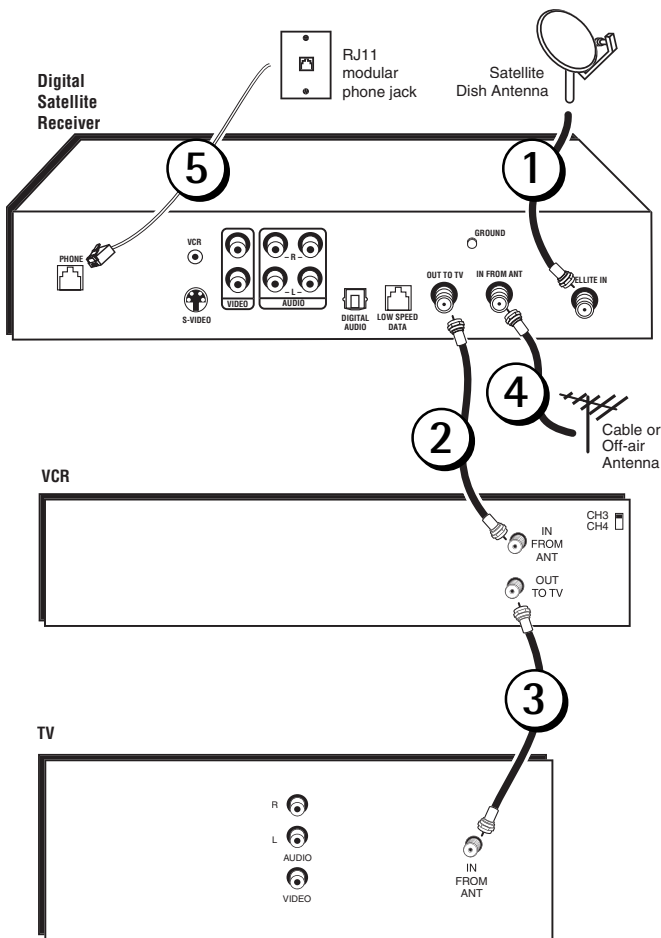
Note: Your VCR and TV back panels may not look exactly
like the ones shown.

Basic Connection

Using RF Coaxial cables for all connections

This connection provides standard picture quality. This connection is only
recommended for use with TVs that do not have S-Video or A/V input jacks.

What you will need (see page 6 for descriptions of these cables):

• Two (2) RF coaxial cables

• One (1) telephone line cord

• Coaxial cable lines fed from a digital satellite antenna and a standard TV
  antenna (or cable line)

Making the Connection

1. Connect the satellite dish antenna feed (RG-6 coaxial cable) to the
   SATELLITE IN jack on the satellite receiver.

2. Connect one end of an RF coaxial cable to the OUT TO TV jack on the
   satellite receiver, and the other end to the antenna input jack on the
   VCR.

3. Connect one end of an RF coaxial cable to the antenna output jack on
   the VCR, and the other end to the TV's antenna input jack.

4. Connect the cable box or off-air antenna feed (RF coaxial cable) to the
   IN FROM ANT jack on the satellite receiver.

5. Connect one end of the supplied telephone line cord to the PHONE JACK
   on the back of the satellite receiver, and the other end to an RJ11-type
   modular phone jack (the most common type of phone jack).

Using Your Components

To watch DIRECTV® programming:

Tune the TV to the satellite receiver's output channel (either channel 3 or 4).

*Note: You can change the satellite receiver's output channel by pressing the remote control's DIRECTV button, then the MENU button, then select System Setup, then System
Options, and finally select Output Channel. Use the remote control's arrow and SELECT buttons to highlight and select the desired output channel. Tune the TV to that channel
to see the satellite receiver's picture.*

To record DIRECTV programming:

Follow the directions in the previous step, then set your VCR to record on its proper input channel (channel 3 or 4 if using RF coaxial cable to make
the connection, Video Line Input if using A/V cables to connect the VCR to the satellite receiver).

To view VCR recordings:

Tune the TV to channel 3 or 4 (whichever is set on the VCR as its output channel). Begin VCR playback as usual.

Connections & Setup

Receiver or Decoder with Optical Input

Digital Satellite Receiver
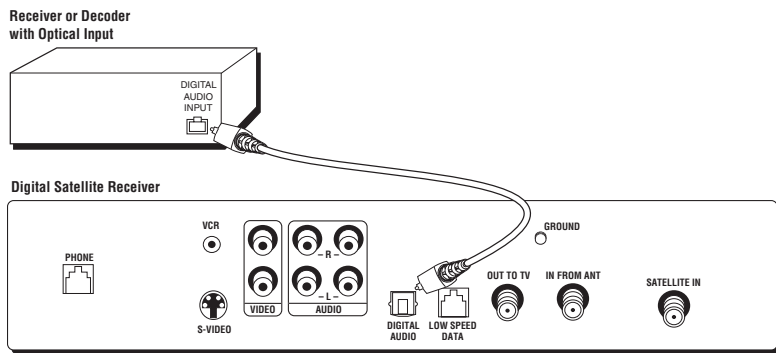
Advanced Audio (Digital Audio Output Connection)

Cables: Optical (SPDIF)

Use this connection to take advantage of Dolby Digital* quality sound, when available.

Note: Your digital receiver back panel may not look exactly like the one pictured.

This satellite receiver's digital output jack fully complies with the international standard governing this type of jack (IEC958), and will output digital audio signals in either PCM or Dolby Digital format. It is designed for connection to an external Dolby Digital-capable receiver/ decoder.

Older equipment, some of which is not fully compliant with IEC958, may not be compatible with Dolby Digital. If the digital audio output is connected to a receiver that cannot decode Dolby Digital signals, set the Dolby Digital setting in the Receiver Options menu to PCM (see page 35 for further details). Failure to do so could create a high noise level, causing damage to headphones, speakers, or your hearing.

Making the Connection

Connect one end of the optical (SPDIF) cable to the DIGITAL AUDIO output jack* on the satellite receiver, and to the digital audio input jack on a Dolby Digital receiver/decoder.

Using Your Component

After you connect your satellite receiver to an A/V receiver that includes a Dolby Digital-capable receiver/decoder, you must select *Dolby Digital* from the *System Options* menu (press the remote control's MENU button, then select *System Setup*, then *Receiver Options*, then highlight Dolby Digital. Use the remote control's arrow and SELECT buttons to highlight and select *Autoselect*, *PCM*, or *Dolby Digital* in order for the receiver to recognize the digital audio connection.

For more information on this feature, see the Dolby Digital entry starting on page 35 in the section, Using The Menu System.

* Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.

Jacks and Cables

Below is a description of the jacks and cables you can use to make connections. Not all cables come with your digital satellite receiver.
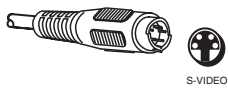
S-Video Jack and Cable

S-Video jacks/cables provide this receiver's best picture quality. Remember to connect the left and right audio cables to the TV because the S-Video cable carries only the picture signal, not the sound.
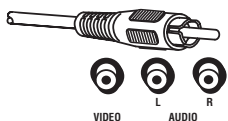
Audio/Video (A/V) Jack and Cable (RCA-type)

Audio/Video (A/V) cables provide good picture quality and stereo sound, and should be used if your TV has no S-video jacks. The digital satellite receiver's A/V 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 left (white) audio jack on the satellite receiver.
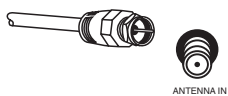
RF Jack and Coaxial Cable (F-type)

RF jacks provide good picture and mono sound quality. They should be used if A/V connections are not available on your TV. RF jacks are used for off-air antenna and cable feed connections. The RF jacks on the receiver are labeled IN FROM ANT and OUT TO TV. The coaxial cable supplied with your system is used to connect the receiver to your TV/VCR's antenna input jack.

VCR Controller

The VCR Controller plugs into the VCR jack on the satellite receiver's back panel. Attach the other end of the cable to your VCR's remote control sensor.
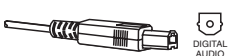
Digital Audio Output (SPDIF)

If you own an A/V receiver that includes a Dolby Digital-compatible decoder, use a digital audio cable to connect the satellite receiver to your external A/V receiver/decoder.

Telephone Jack and Cord

The telephone line cord is required to connect your satellite receiver to a telephone line if you choose to subscribe to DIRECTV® programming. The phone line connection is used to periodically call out to DIRECTV. You will need an RJ11-type modulator jack (the most common type of phone jack) which might look like one of those pictured here. If you don't have a modular jack, call your local telephone company to find out how to get one installed.
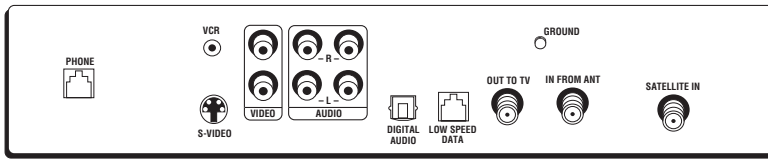
Satellite Receiver Rear Panel

This diagram illustrates each of the back panel jacks found on your digital satellite receiver. When working with cables, be sure to connect corresponding outputs and inputs (Video out to Video in, Right Audio out to Right Audio in, etc.).

For more information on the function of the back panel jacks and many other features of your digital satellite receiver, press the MENU button and select *System Setup* from the Main menu, then select *Receiver Index*.

Back Panel Jacks (in alphabetical order)

AUDIO (R and L)   Audio cables offer better sound quality than RF coaxial cables. Connect a second set of audio cables to another component, such as a VCR or stereo.

DIGITAL AUDIO   Connects the satellite receiver's audio to a Dolby Digital-capable receiver or decoder. This audio connection provides the best sound quality. Use the optical DIGITAL AUDIO output cable (SPDIF) for this receiver's best possible sound.

IN FROM ANT   Connect a standard TV antenna or cable feed to the satellite receiver using this jack. You can then switch between the satellite receiver's signal and the TV/cable feed using the remote control's ANTENNA button to toggle between the two.

LOW SPEED DATA   This port allows you to connect your digital satellite receiver to future services and accessories as they become available. A shielded cable and additional hardware may be required.

OUT TO TV   Connects the satellite receiver to your TV or VCR using RF coaxial cable. This jack provides the most basic connection, carrying average sound and video quality.

PHONE   Connects the satellite receiver to a telephone line. The digital satellite receiver requires a telephone line connection to periodically communicate with your program provider.

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

S–VIDEO   Provides better picture quality than VIDEO or RF coaxial cable jacks. If your TV has an S-Video jack, use it along with the audio jacks (S-Video only carries picture information, not sound) to connect to your TV.

VCR   This jack allows the satellite receiver to control the VCR using an IR cable. The cable is attached above the VCR's remote control sensor. This connection is required for One-Touch Record and Timer recording features.

VIDEO   Provides better picture quality than the OUT TO TV jack. Connect the second VIDEO jack to another device, such as a VCR. You must also connect the AUDIO cables when using the VIDEO connection.

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.

Note: When replacing old batteries, you may need to reprogram the remote control to operate other devices.

Avoid pressing any of the remote control buttons while you're replacing old batteries. If your press a remote control button while replacing batteries, you will need to reprogram the remote control to operate other devices.

1. Remove the cover from the battery compartment.
2. Insert batteries in the battery compartment, matching the + and – end of each battery.
3. Replace the cover.

Plug in and Turn on the Receiver

Plug the end of the power cord into the wall outlet. Be sure to insert the plug completely.

To turn on the satellite receiver, press the DIRECTV button on the remote control or the POWER button on the front panel. If your TV brand is RCA, GE, or Proscan, press the TV button on the remote control to turn on the TV. If your TV brand is not RCA, GE, or Proscan, see page 12 in the next section, *Using the Remote Control,* for details on programming the satellite receiver's remote control to operate your TV.

Note:

The message "Searching for Satellite Signal" might appear briefly at the bottom of your screen when you turn on your satellite receiver for the first time. This is normal.

If this message stays on the screen for more than one minute, check your receiver's on-screen signal meter to make sure your antenna is receiving the strongest possible satellite signal. See "Signal Meter" on page 36 for more information.

Wait for the Receiver to Download ADVANCED PROGRAM GUIDE™ Data

The first time you connect a receiver to a satellite antenna you've already installed and pointed correctly, the receiver starts to gather information for the program guide.

After you turn on your receiver and tune your TV to the correct video input channel, a progress bar appears indicating that the receiver is gathering this program guide information.

To prevent any damage to your TV screen, the progress bar disappears after 2 minutes (the screen goes blank).

Note: When the progress bar reaches 100%, there might be a delay before you actually see video on the screen.

If the screen stays blank for more than 2 to 3 minutes, you need to reset the receiver.

To reset the receiver:

1. Unplug the satellite receiver's power cord from the power outlet.
2. Wait a few seconds, and plug the power cord back into the outlet.
3. Turn on the receiver and wait for it to download program guide information.

```
Satellite Data Acquisition in progress.

Percent completed:  50%

Time Remaining:  2 minutes 10 seconds

If acquisition reaches 100%, but you
cannot see video or are missing channels,
please recheck your dish selection.
```

Note

The Satellite Data Acquisition screen will also appear when:
- *your unit loses power (either from a power outage or being unplugged)*
- *your unit loses the satellite signal for an extended period of time.*
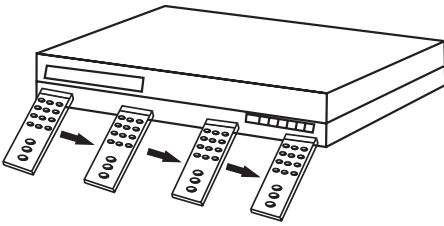
Locating the VCR's Infrared Remote Control Sensor

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

Some VCRs have a label that identifies the remote control sensor, but 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 sensor, you can use the VCR's remote control to locate the VCR's sensor before affixing the VCR Controller cable.

To Find the VCR's Remote Control Sensor:

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

2. Slowly move the remote control over the front of the VCR while repeatedly pressing the remote control's power button.

3. When your VCR turns on/off, you have located the remote control sensor.

   Note: To test the VCR controller's position, use a piece of vinyl tape to temporarily attach the VCR controller to the spot where you think the sensor is located. Then see Selecting a VCR Type on the next page to see if the VCR Controller is positioned correctly.
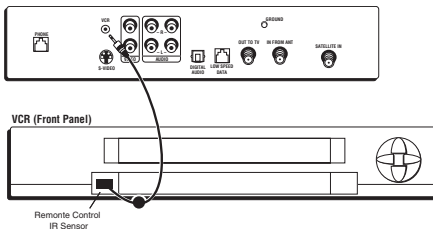
Connect the VCR Controller

To use the One-Touch Record and Record Timer features, you need to attach the VCR Controller cable to the VCR and the satellite receiver.

1. Plug the VCR Controller into the VCR jack on the satellite receiver.

2. Affix the other end in front of the remote control sensor on your VCR.
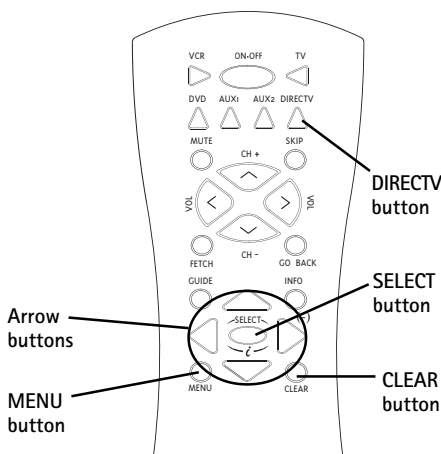
Using Highlight and Select

All on-screen menus can be handled the same way, using highlight and select navigation.

Highlight and select navigation has two steps:

1. Use the arrow buttons (up, down, left, and right) on the remote control to highlight different choices on the screen.

2. Press SELECT to select the highlighted item.

   Note: When a highlighted on-screen menu choice has a number beside it, you can also press the corresponding number button on the remote control to select it.

Once you know how to navigate on-screen menus, you can complete the *Assisted Setup* (see the next step) and explore the menu system.

To display the on-screen menu system, press the remote control's DIRECTV button, then press the MENU button.

   Note: 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.

Connections & Setup
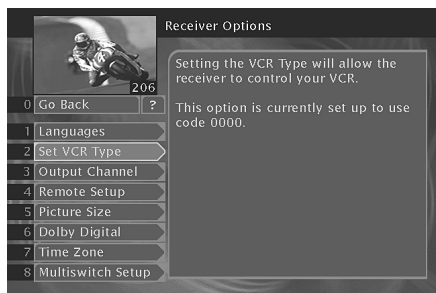
Selecting a VCR Type

In order to use the One-Touch Record and Record Timer features, you need to tell the satellite receiver which VCR brand you are using.

1. Tune the TV to its satellite receiver viewing channel (either 03, 04, or the TV's appropriate input channel depending on your connections).

2. Press MENU on the remote control to display the satellite receiver's Main menu.

3. Highlight and select number 7, *System Setup*.

4. Highlight and select number 3, *Receiver Options*.

5. Highlight and select number 2, *Set VCR Type*.

6. Highlight and select the name of your VCR manufacturer.

> Note: If you do not see your VCR manufacturer's name, select Other (at the bottom of the list) and enter the appropriate code from the VCR Remote Control code list on pages 14-15.

7. Follow the on-screen instructions to ensure that you are using the correct code (if you need more assistance while in a menu, press the remote control's INFO button for details).

> Note: Some VCR brands may not be capable of being controlled by the receiver.

Complete the Assisted Setup

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

If you need to run the setup again, select *System Setup* from the Main menu, then select *Assisted Setup.*

To check your dish-pointing coordinates or run the signal strength meter, display the Main menu, then select *System Setup,* and finally *Dish Pointing.*

Tip

When you order programming, you need to know your access card and receiver ID numbers. To get these numbers, select System Setup from the Main menu, then System Test.

Wait for the system to run all of its tests. The access card and receiver ID numbers are displayed at the end of the system test.

Write the access card and receiver ID numbers in the space below for easy reference:

Important!

If local channels are available in your area and you decide to subscribe, the receiver will need to download all of your program guide information again. This might take a few minutes. See "Wait for the Receiver to Download ADVANCED PROGRAM GUIDE™ Information" on page 8 for more information.

Order Programming

After you have installed your DIRECTV® System, you should contact DIRECTV to order DIRECTV® programming.

With this receiver and the proper satellite dish antenna, you may be able to subscribe to local channels from DIRECTV in certain areas. Additional equipment may be required in some markets. Check with your retailer or visit DIRECTV.com for information on availability of local channels from DIRECTV in your area.

ACTIVATION OF PROGRAMMING MAY BE SUBJECT TO CREDIT APPROVAL AND REQUIRES VALID SERVICE ADDRESS, SOCIAL SECURITY NUMBER AND/OR MAJOR CREDIT CARD. DEPOSIT OR PREPAYMENT MAY BE REQUIRED. Professional and collegiate sports subscriptions sold separately. Eligibility for local channels based on service address within certain designated market areas as defined by Nielsen Media Research, Inc. In some areas served by members or affiliates of the National Rural Telecommunications Cooperative, local channels may be available from DIRECTV rather than the NRTC member or affiliate. Programming, pricing, terms and conditions subject to change. Hardware and programming sold separately. Pricing is residential. Taxes not included. Equipment specifications and programming options may vary in Alaska and Hawaii. DIRECTV services not provided outside the U.S. DIRECTV programming is sold separately and independently of DIRECTV System hardware. A valid programming subscription is required to operate DIRECTV System hardware. Receipt of DIRECTV programming is subject to the terms of the DIRECTV Customer Agreement; a copy is provided at DIRECTV.com and in your first bill. Activate your DIRECTV® programming today at 1-800-DIRECTV (1-800-347-3288).

Remote Control Buttons

VCR When programmed, tells the remote to control the VCR. This button lights up when you press a valid button in VCR mode (see *Modes of Operation* on page 13 for more details).

AUX1 Turns on a second RCA satellite receiver. AUX1 can also be programmed to control an auxiliary component. This button lights up when you press a valid button in AUX1 mode (see *Modes of Operation* on page 13 for more details).

DVD When programmed, tells the remote to operate the DVD player. This button lights up when you press a valid button in DVD mode (see *Modes of Operation* on page 13 for more details).

MUTE When programmed to control a TV or audio receiver, this button reduces that component's volume to its minimum level. Press again to restore the volume.

CH + and CH – Use to scan up and down through the channels in the current channel list. In the program guide or menu system, use the CH buttons to page up and down a screen at a time.

FETCH In the program guides, displays the guide toolbar at the bottom of the screen. During normal viewing, displays the Fetch menu with up to eight different actions, or executes a single task- depending on the preferences set.

GUIDE Brings up the program guide. Subsequent presses of the GUIDE button switch between the Detail and Grid guide formats.

SELECT/i (interactive) Selects a highlighted choice if you are in the menu system. Also brings up the password challenge and purchase offer screens outside of the menu system.

Press the SELECT button when the DIRECTV INTERACTIVE™ icon ( ) appears during interactive programs and commercials. Pressing SELECT displays more information and offers the chance to interact with what is displayed on screen.

MENU Displays the Main menu. When using the remote control to operate other components, the MENU button might also bring up that component's menu system.

WHO•INPUT Press one or more times to scroll through the user profiles. When using the remote control to operate an RCA, GE, or PROSCAN TV (in TV mode), press the WHO•INPUT button one or more times to scroll through the available video input sources.

ON•OFF Turns the component you are controlling on or off. When pressed twice within two seconds, all components that are on are turned off (this feature only works with most RCA, GE, and Proscan products). The component keys also light up, one after another, counterclockwise in a circle.

TV When programmed, tells the remote to control the TV. This button lights up when you press a valid button in TV mode (see *Modes of Operation* on page 13 for more details).

AUX2 Turns on a compatible RCA amplifier/audio receiver. AUX2 can be programmed to control an auxiliary component. This button lights up when you press a valid button in AUX2 mode (see *Modes of Operation* on page 13 for more details).

DIRECTV Tells the remote to control the digital satellite receiver. This button lights up when you press a valid button in DIRECTV mode (see *Modes of Operation* on page 13 for more details).

SKIP Activates the commercial skip mode on some RCA, GE, and Proscan products that offer Commercial Skip feature. See the user's manual that came with your TV for more information. Activates the search function on some RCA, GE, or ProScan VCRs (when the remote is in VCR mode).

VOL up and down When programmed, adjusts the audio volume of your TV or audio receiver.

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

INFO Brings up the on-screen channel banner. In the program guides, INFO gets information about the highlighted program or channel. In the menu system, INFO displays context-sensitive help for highlighted control elements.

Arrows Moves the on-screen highlight up, down, left, or right.

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

Digit Buttons (0 – 9) Tune directly to a specific channel. In the menu system, use 1-9 to select menu items, or use 0 to return to the previous menu screen.

ANTENNA In TV mode, toggles between the satellite and standard TV/cable signals when the satellite receiver is connected to the TV using the OUT TO TV jack. In VCR mode, functions as a TV/VCR input button.

Transport Buttons (REVERSE, PLAY, FORWARD, RECORD, STOP, PAUSE) In on-screen guides, PLAY advance the display one page, FORWARD advances the display 6 hours and REVERSE moves time backward 6 hours. When the remote control is programmed, these buttons also control an auxiliary component, such as a VCR or DVD player (when the remote is in the correct mode). If the VCR Controller is connected, pressing the RECORD button schedules a timer recording from the Program Guide or begins recording while watching a program (in VCR mode).

Note: The component key corresponding to the mode you're in flashes when the remote batteries are low and you press a button on the remote. A warning banner may also appear on-screen when you press a remote button and your batteries are low (if you're watching satellite programming).

Using the Remote Control
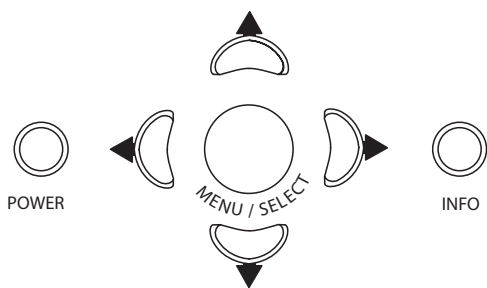
Top of the Digital Satellite Receiver

This diagram illustrates the buttons on the top (also referred to as the front panel) of the digital satellite receiver. For more information on the function of the front panel buttons and many other features of your digital satellite receiver, press the MENU button and select *System Setup* from the Main menu, then select *Receiver Index*.

POWER

INFO

Front Panel Buttons

POWER   Use to turn your digital satellite receiver on for viewing or off when you are not viewing it. Your receiver will still be able to download software upgrades and receive messages from program providers when it is off.

MENU / SELECT   Use this button to display the Main menu, password challenge screen or purchase offer screen. If you are already in the menu system, pressing this button selects the highlighted item.

Arrows   Use the navigation arrows to move the on-screen highlight up, down, left, or right.

INFO   Use this button to display the channel banner. Press twice to display additional program information, when available. While in the menu system INFO also summons context sensitive help about a highlighted menu item.

Component buttons and ON•OFF button

PLAY button

REVERSE button

STOP button
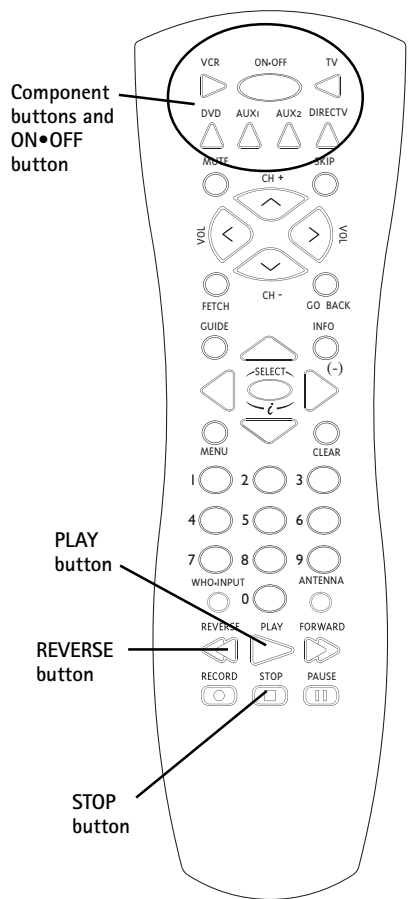
Programming the Remote Control

The digital satellite receiver's remote can be programmed to control most brands of remote controllable components. The remote is already programmed to control most RCA, GE and Proscan components; it may need 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 component on, such as a VCR, point the remote at the VCR, and press the VCR button. Then press the ON•OFF or CH + and CH - buttons 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 control: Automatic Code Search or Direct Entry.

Using Automatic Code Search

The following instructions can be used to program the remote to control many of the components connected to your TV. If you want to exit the automatic code search without programming any of your components, press the CLEAR button until the component button you're trying to program turns off.

1. Turn on the component you want to control (VCR, satellite receiver, etc.)
2. Press and hold the button you want to program. While holding the component button, press and hold ON•OFF until all of the component buttons (VCR, TV, DVD, DIRECTV, AUX1 and AUX2) flash. Then, release both buttons.

    Note: The AUX1 and AUX2 buttons will only search through the codes for their default type of component during the automatic code search – satellite receivers for AUX1 and audio components for AUX2. If you want to use these buttons for a different type of component – for example, a DVD player for AUX1 – then use direct entry to program these buttons. See the next page for more information.

3. Point the remote at the component, press and release PLAY, then wait five seconds or until the component button you're trying to program stops flashing.

    At this point the remote control is searching for the correct code to program, so keep pointing it at the component. If, after five seconds, the component you want to control does not turn off, press and release PLAY again to tell the remote to search the next set of codes.

    Continue pressing and releasing PLAY until the component turns off or until the all of the component buttons on the remote flash 4 times in unison. If the component has not turned off by the time all the component buttons on the remote control flash 4 times in unison, then the remote cannot control that particular component.

If the component you want to control does turn off:

1. Press and release REVERSE, then wait two seconds. Repeat this step until the component turns back on.
2. To finish, press and hold STOP until the component button you're trying to program on the remote control turns off. This saves the code to that button.

Note:

The DIRECTV button cannot be programmed.

Note:

The DIRECTV button cannot be programmed.

Component buttons
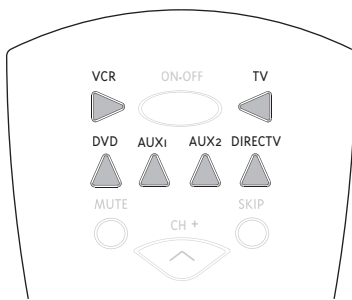
Tip:

If something unexpected happens (or if nothing happens) when you press a remote control button, check which component button lights up when you press that button. If the wrong component button lights up, press the component button the corresponds to the component you want to control – this puts the remote control in the right mode. Now that the remote is in the correct mode, press the button you were pressing before.

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 at the end of this section.

3. On your remote control, press and hold the component button you want to program.

4. While pressing the component button, enter a code from the code list. If all of the component buttons flash 4 times in unison, then the code you've entered is not the right kind of code for that button (see pages 14 and 15 to see which buttons can be programmed to control the component you want).

5. Release the component button, point the remote at the component and then press ON•OFF to see if the component responds to the remote control commands. If it doesn't, try pressing the component button and then ON•OFF (or other buttons on the remote) 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.

Operating Other Components

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

To Operate the Component:

1. Press the component button (TV, VCR, DVD, DIRECTV, AUX1, or AUX2) to set the remote to control the component.

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

3. Use the remote control buttons that apply to that component. The component button on your remote lights up when you press valid buttons while in that component's mode.

> *Note: Your remote's buttons might operate differently for other components, especially when you're using another component's menu system.*

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 control to operate the TV, press the TV button to put the remote into TV mode. If you want the remote to operate the VCR, press the VCR button.

The button corresponding to the mode the remote is in lights up when you press any button that works in that mode. For example, if you're in TV mode and you press the VOL+ button, the TV button lights up. This tells you that the command to increase the volume is being sent to the TV (and *not* the satellite receiver, for example).

Controlling a Second RCA Satellite Receiver

The remote can control two RCA satellite receivers. From the Main menu, select *System Setup*, then *Receiver Options*, then *Remote Setup*. Then follow the on-screen instructions. By default, the DIRECTV button is used to control the first RCA satellite receiver and the AUX1 button is used to control the second RCA satellite receiver.

If your second receiver is an RCA, GE, or Proscan and you want to control it using the AUX1 button, use code 5001. Code 5000 is used by the DIRECTV button.

If you want to control a second **non**-RCA satellite receiver, use the AUX1 or AUX2 buttons. See the *Using Automatic Code Search* section on the previous page for more information.

One Button Recording

If your remote is programmed to operate a VCR, and the VCR is properly connected to the satellite receiver, you only need to press the RECORD button to begin recording from video.

Code List

TV
(programmable to the TV, AUX1 and AUX2 buttons)

Abex 1172
Admiral 1001, 1173, 1211
Adventura 1174
Aiko 1016
Akai 1002
Alleron 1046
Amtron 1038
Anam National 1003, 1038, 1192, 1193, 1194
AOC 1004, 1005, 1006, 1007, 1175, 1176, 1195
Audiovox 1038
Belcor 1004
Bell & Howell 1001, 1083, 1162
Bradford 1038
Brokwood 1004
Candle 1004, 1006, 1008, 1174
Celebrity 1002
Centurion 1009
Citizen 1004, 1006, 1008, 1016, 1038, 1105, 1171, 1174, 1177
Colortyme 1004, 1006, 1010
Concerto 1004, 1006
Contec/Cony 1012, 1013, 1014, 1038
Craig 1038
Crown 1038, 1171
Curtis Mathes 1000, 1004, 1006, 1015, 1162, 1171, 1212
CXC 1038
Daewoo 1004, 1005, 1006, 1016, 1017, 1018, 1127, 1171, 1196
Daytron 1004, 1006, 1171
Dimensia 1000
Dumont 1004, 1151
Electroband 1002
Electrohome 1003, 1004, 1006, 1019, 1020, 1022
Emerson 1004, 1006, 1012, 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, 1177, 1179, 1191, 1208
Envision 1004, 1006
Fisher 1048, 1049, 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, 1213
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, 1014, 1059, 1060, 1061, 1135, 1136, 1137, 1138, 1139, 1140, 1141, 1142, 1143, 1144, 1145, 1146, 1148, 1150, 1179, 1198, 1199
IMA 1038
Infinity 1062
JCPenney 1000, 1004, 1005, 1006, 1008, 1022, 1052, 1054, 1058, 1063, 1064, 1072, 1087, 1105, 1128, 1171, 1172, 1181, 1201
Janeil 1174
JBL 1062
JCB 1002
Jensen 1004, 1006
JVC 1012, 1013, 1014, 1054, 1060, 1065, 1066, 1067, 1157, 1158, 1159, 1182
Kawasho 1002, 1004, 1006
Kenwood 1004, 1006, 1019
Kloss Novabeam 1068, 1069, 1174, 1183
KTV 1038, 1070, 1171, 1177
Loewe 1062
Logik 1083
Luxman 1004, 1006
LXI 1000, 1006, 1049, 1062, 1071, 1072, 1073, 1162, 1181, 1207
Magnavox 1004, 1006, 1008, 1019, 1062, 1068, 1069, 1075, 1076, 1077, 1088, 1130, 1131, 1132, 1133, 1134, 1183, 1219, 1235
Majestic 1083
Marantz 1004, 1006, 1062, 1078
Megatron 1006, 1059
Memorex 1001, 1006, 1082, 1083, 1162

MGA 1004, 1005, 1006, 1019, 1022, 1051, 1079, 1080, 1082
Midland 1054, 1151, 1171, 1172, 1181
Minutz 1052
Mitisubishi 1004, 1005, 1006, 1019, 1022, 1051, 1079, 1080, 1081, 1082, 1125
Montgomery Ward 1083
Motorola 1003, 1173
MTC 1004, 1005, 1006, 1105
Multitech 1038
Multivision 1084
NAD 1006, 1071, 1072, 1185
NEC 1003, 1004, 1005, 1006, 1200
Nikko 1006, 1016
NTC 1016
Onwa 1038
Optimus 1185
Optonica 1095, 1173
Orion 1035, 1191
Panasonic 1003, 1054, 1062, 1170, 1214
Philco 1003, 1004, 1005, 1006, 1008, 1012, 1019, 1062, 1068, 1069, 1075, 1077, 1183
Philips 1003, 1004, 1008, 1012, 1019, 1062, 1068, 1069, 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
Pulsar 1004, 1151
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, 1202, 1203, 1215, 1233
Runco 1151
Sampo 1004, 1006, 1171, 1172
Samsung 1004, 1005, 1006, 1012, 1015, 1019, 1104, 1105, 1106, 1171, 1172, 1204
Samsux 1171
Sansui 1191
Sanyo 1004, 1048, 1049, 1080, 1107, 1108, 1162, 1169, 1180
Scotch 1006
Scott 1004, 1006, 1012, 1024, 1035, 1038, 1046
Sears 1000, 1004, 1006, 1013, 1014, 1019, 1046, 1048, 1049, 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
Sony 1002, 1205, 1216, 1218
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, 1075, 1076, 1077, 1088, 1116, 1161, 1183
Symphonic 1033, 1038, 1189
Tandy 1173
Tatung 1003
Technics 1054
Techwood 1004, 1006, 1054
Teknika ... 1004, 1005, 1006, 1008, 1012, 1013, 1014, 1016, 1038, 1046, 1076, 1082, 1083, 1105, 1170, 1171
Telecaption 1117
TMK 1004, 1006
Toshiba 1049, 1071, 1072, 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, 1075, 1076, 1083, 1087, 1088, 1095, 1119, 1120
Yamaha 1004, 1005, 1006, 1019
Zenith 1004, 1083, 1151, 1152, 1153, 1154, 1210, 1217

VCR
(programmable to the VCR, AUX1 and AUX2 buttons)

Admiral 2132
Adventura 2026
Aiko 2027
Aiwa 2026
Akai 2003, 2004, 2005, 2007, 2008, 2111, 2112, 2113
American High 2021
Asha 2013
Audio Dynamics 2009, 2010
Audiovox 2014
Beaumark 2013
Bell & Howell 2011
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, 2009, 2013, 2016, 2018, 2021, 2022, 2024, 2115, 2131
Cybernex 2013
Daewoo . 2015, 2017, 2019, 2025, 2026, 2027, 2028, 2110
Daytron 2110
DBX 2009, 2010
Dimensia 2000, 2131
Dynatech 2026
Electrohome 2014, 2029
Electrophonic 2014
Emerson 2012, 2014, 2015, 2021, 2024, 2025, 2026, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2044, 2045, 2046, 2047, 2065, 2113, 2116, 2117, 2130
Fisher 2011, 2023, 2048, 2049, 2050, 2051, 2052, 2118
Fuji 2021, 2119
Funai 2026
Garrard 2026
GE 2000, 2001, 2013, 2021, 2022, 2053, 2115, 2120, 2131
Goldstar 2009, 2014, 2018, 2054
Gradiente 2026
Harley Davidson 2026
Harman Kardon 2009
Harwood 2061
Headquarter 2011
Hi-Q 2023
Hitachi 2055, 2056, 2057, 2107, 2111, 2120, 2122
Instant Replay 2021
JCPenney 2009, 2010, 2011, 2013, 2014, 2021, 2022, 2055, 2056, 2058, 2059, 2060, 2107, 2118
JCL 2021
Jensen 2055, 2056, 2111
JVC 2009, 2010, 2011, 2018, 2123
Kenwood 2009, 2010, 2011, 2016, 2018, 2111, 2123
KLH 2061
Kodak 2014, 2021
Lloyd 2026
Logik 2061
LXI 2014
Magnavox 2021, 2022, 2062, 2063, 2104, 2105, 2108, 2124
Magnin 2013
Marantz .. 2009, 2010, 2011, 2016, 2018, 2021, 2062, 2064
Marta 2014
Masushita 2021
MEI 2021
Memorex 2011, 2013, 2014, 2021, 2023, 2026, 2104, 2132
MGA 2029, 2065, 2113
MGN Technology 2013
Midland 2053
Minolta 2055, 2056, 2107
Mitsubishi 2029, 2055, 2056, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2106, 2113, 2123
Montgomery Ward 2075, 2132
Motorola 2021, 2132
MTC 2013, 2126
Multitech 2013, 2016, 2026, 2053, 2061

NEC 2009, 2010, 2011, 2016, 2018, 2064, 2076, 2078,
           2079, 2111, 2123
Nikko 2014
Noblex 2013
Olympus 2021
Optimus 2014, 2132
Optonica 2096
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, 2131
Protec 2061
Pulsar 2104
Quarter 2011
Quartz 2011
Quasar 2021, 2022, 2125
Radio Shack/Realistic 2011, 2013, 2014, 2021, 2022,
           2023, 2026, 2029, 2049, 2050, 2096, 2132
Radix 2014
Randex 2014
RCA 2000, 2001, 2003, 2013, 2021,
    2055, 2056, 2082, 2083, 2084, 2085, 2086, 2087, 2088,
    2089, 2090, 2091, 2107, 2115, 2120, 2125, 2131, 2133
Ricoh 2128
Runco 2104
Samsung 2005, 2013, 2015, 2033, 2053, 2112
Sanky 2104, 2132
Sansui 2010, 2092, 2111, 2123
Sanyo 2011, 2013, 2023
Scott 2012, 2015, 2025, 2032, 2038, 2065, 2093, 2116
Sears 2011, 2014, 2021, 2023, 2048, 2049, 2050,
           2051, 2055, 2056, 2107, 2118
Sharp 2017, 2029, 2094, 2095, 2096, 2097, 2132
Shintom 2004, 2056, 2061, 2098
Shogun 2013
Signature 2132
Singer 2021, 2061, 2128
Sony 2004, 2098, 2099, 2119
STS 2021, 2107
Sylvania 2021, 2022, 2026, 2062, 2063, 2065, 2124
Symphonic 2026
Tandy 2011
Tashiko 2014
Tatung 2111
Teac 2026, 2085, 2111
Technics 2021, 2109
Teknika 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 2013, 2014, 2015, 2021, 2023, 2026, 2029, 2055,
    2056, 2061, 2096, 2101, 2102, 2103, 2107, 2116, 2132
XR-1000 .... 2021, 2026, 2061
Yamaha 2009, 2010, 2011, 2018, 2111
Zenith 2004, 2098, 2104, 2119, 2128

DVD
(programmable to the DVD, AUX1 and AUX2 buttons)

Aiwa 3009
Apex 3023, 3024
GE 3000
Hitachi 3008
JVC 3002, 3010
Konka 3011, 3012
Magnavox 3003
Mitsubishi 3004
Panasonic 3013
Philips 3003, 3019, 3021, 3022
Pioneer 3005
Proscan 3000
RCA 3000, 3001
Samsung 3025
Sanyo 3014
Sony 3006, 3015, 3016
Toshiba 3007, 3017, 3020
Zenith 3018

RCA & Dimensia Audio Components
(programmable to the AUX1 and AUX2 buttons)

AM/FM 4003, 4270
Aux 4004
CD 4007, 4190, 4211
Phono 4005
Tape 4006

Audio Receivers
(programmable to the AUX1 and AUX2 buttons)

Aiwa 4261, 4262, 4263, 4264, 4265, 4266, 4267, 4277
Denon 4283
Harmon Kardon 4276
JVC 4268
JVL 4276
Kenwood 4269
Onkyo 4278
Optimus 4284
Panasonic 4279, 4280
Pioneer 4275
RCA 4270
Sherwood 4282
Sony 4271, 4272, 4281
Technics 4279, 4280
Wards 4275
Yamaha 4274, 4275

Cable Boxes
(programmable to the AUX1 and AUX2 buttons)

ABC 5002, 5003, 5004, 5006, 5053
Antronix 5008, 5009
Archer 5008, 5009, 5010
Cabletenna 5008
Cableview 5008
Colour Voice 5012, 5013
Comtronic 5014
Contec 5016
Eastern 5017
GC Electronics 5009
GE 5000, 5001
Gemini 5018, 5019
General Instrument 5003
Hamlin 5020, 5021, 5022, 5028, 5035, 5045
Hitachi 5003
Jerrold 5003, 5018, 5023, 5024, 5046, 5053
Magnavox 5025
Memorex 5026
Movie Time 5027
NEC 5005
NSC 5027
Oak 5016, 5029
Panasonic 5048, 5052
Philips 5011, 5012, 5013, 5015, 5019,
                      5025, 5030, 5031, 5032
Pioneer 5033, 5034
Proscan 5000, 5001
RCA 5007, 5047, 5049, 5052
Realistic 5009
Regal 5022, 5035
Regency 5017
Rembrandt 5003
Samsung 5034
Scientific Atlanta 5006, 5036, 5037, 5038
Signal 5018
Signature 5003
Sprucer 5052
Standard Components 5039, 5044
Starcom 5018, 5053
Stargate 5018
Starquest 5018
Tocom 5004, 5023
Tusa 5018
TV86 5027
Unika 5008, 5009
United Cable 5053
Universal 5008, 5009, 5010
Viewstar 5025, 5027
Zenith 5050, 5051

Satellite Receivers
(programmable to the AUX1 and AUX2 buttons)

Dishnet 5078
Echostar 5089
GE 5000, 5001
Proscan 5000, 5001
RCA 5000, 5001, 5071, 5080, 5081

Active profile   Current time and date

Selectable Advertisements, available when ads are turned on in the guides (highlight and select for more information).

Program titles and information

The Program Guide

The diagram on the left shows you the kind of information you see in the program guides.

You can access a toolbar at the bottom of the program guide by pressing the FETCH button while in the guide (see the *Toolbar* section at the bottom of this page).
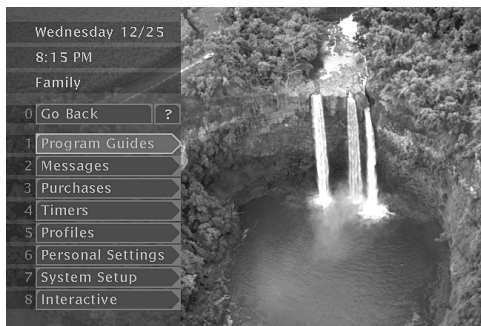
Displaying the Program Guide

You can quickly access the receiver's Default Guide by pressing the GUIDE button on the remote.

To access other program guides, press MENU on the remote control and select *Program Guides*, then the guide of your choice (*Channel, Logo, Category*, etc.). You can also access the receiver's default guide by selecting *Go to Guide* from the *Program Guides* menu.

To change the current user, press the remote control's WHO•INPUT button while viewing programming, then use the remote control's arrow and SELECT buttons to select the desired profile. You can also change the current profile by choosing *Profile Guide* from the *Program Guides* menu.

Viewing Suggestions   Channel Sort   AlphaSort™

Category Guide   Channel Display   Scout™
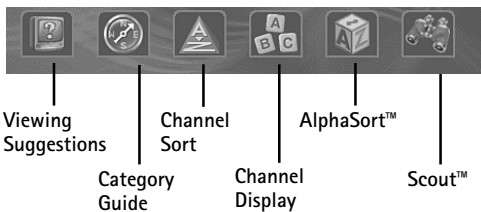
Displaying the Toolbar

To display the toolbar in the grid and detail guides, press FETCH while you're in the guide. The diagram on the right shows you the options available in the toolbar.

To highlight the option you want, use the left and right arrows. To select the highlighted option, press SELECT.

The Channel Banner

The channel banner appears whenever you do one of the following:

• Tune to a channel.

• Press the remote control's INFO, DIRECTV, or GO BACK buttons while watching programming.

• Press the up arrow, down arrow, or INFO on the satellite receiver's front panel.

• Exit the on-screen menu system (except when you press the CLEAR button on your remote control).

The size of the banner depends on your choice in the *Channel Banner Size* control panel. The medium channel banner is shown on the next page. The full banner (the medium banner, plus a description of the program you're watching if one's available) appears when you press INFO, regardless of your choice in the *Channel Banner Size* control panel.

On-screen icons represent frequently-used menu items. Some icons also change appearance to show the item's status. Use the arrow buttons and SELECT to choose an icon.

Active Profile   Program titles and information   Interactive content indicator

Family   Fri 8/09   8:15 PM
Motorcycle Racing   English
Rating: None   7:30 PM to 8:30 PM

ESP2 209

Dolby Digital and
Alternate Audio
indicators   Main menu   AlphaSort™   Mailbox   Viewing
suggestions   Alternate audio

System lock/unlock   Scout™   Caller ID   Category Guide
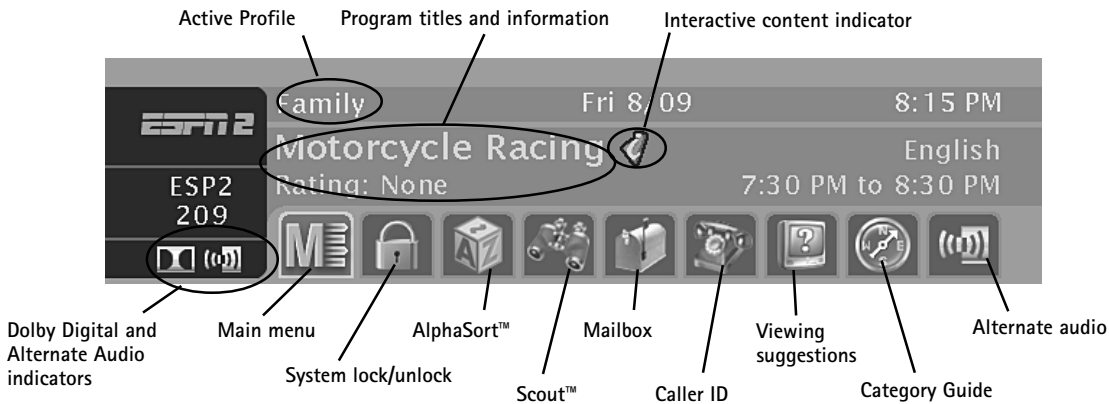
Buttons of the Channel Banner

Main Menu icon   Takes you to the Main menu.

Locked icon   The system is locked. Spending, viewing and other limits cannot be accessed or changed. Selecting this icon displays a password menu. Enter the correct system password to override settings.

Unlock icon   The system is unlocked. Spending, viewing and other limits can be accessed or changed. Selecting this icon in the channel banner displays the Lock System control panel.

Video Unlock icon   A password has been entered to temporarily override the limits. The system will remain unlocked until the satellite receiver is turned off or re-locked.

Program Unlock icon   A password has been entered to override limits for a single program. After the program ends, or when the channel is changed, limits are restored.

AlphaSort™ icon   Enables you to sort titles alphabetically.

Scout™ icon   Allows you to search for programs using key words.

Mail icon   Displays the Mail screen. The icon will be white if you have an unread mail.

Telephone icon   Displays the Caller ID list screen. The icon will be white if you have received a new call but have not accessed the Caller ID List screen. It will be gray if you have accessed the Caller ID List screen.

Viewing Suggestions icon   Displays the *Viewing Suggestions* menu.

Category Guide icon   Lets you search for programs matching a particular category or subcategory.

Alternate Audio icon   Cycles through the alternate audio choices.

The DIRECTV INTERACTIVE™ Feature

Your digital satellite receiver includes DIRECTV INTERACTIVE, powered by Wink Communications®, a free service that gives you the opportunity to interact with TV programming and advertising. You can use your remote control to get program-related information, respond to free offers during commercials and even make purchases while you watch TV. To use this feature, you must have your receiver plugged directly into a telephone outlet (or into a compatible wireless modem).

Whenever you see the DIRECTV INTERACTIVE icon ( ) appear, press the SELECT/i button on the remote control to open the interactive window.

To learn more about the DIRECTV INTERACTIVE service:

1. Press MENU on the remote control (the Main menu appears).

2. Use the arrow buttons on the remote control to highlight *Interactive*.

3. Press SELECT/i to tune directly to the DIRECTV INTERACTIVE Center (channel 499) to get more information about the following: Getting Started, Interactive Channels, Shopping Sign Up, Order History, Messages, Help & Settings, and About DIRECTV.

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Satellite Receiver Features

Displaying On-screen Guides

Each time you press the remote control's GUIDE button, a different type of program guide appears:

The Detail Guide

The Detail Guide shows six channels (four with the toolbar) in a time-and-channel format, with program information for the highlighted program. A small window showing the program you were watching before entering the program guides is displayed in the upper left hand corner (you can preview other channels in the Detail Guide by highlighting channel numbers instead of the program titles).

Notes: 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.

Select Personal Settings from the Main menu, then select the profile to be changed, then select Default Guide. Use the remote control's arrow buttons to highlight Grid Guide, then press the SELECT button to activate your choice.

The Grid Guide

The Grid Guide shows nine channels (seven with the toolbar) in a time-and-channel format. A small window showing the program you were watching before entering the program guides is displayed in the upper left hand corner (you can preview other channels in the Grid Guide by highlighting channel numbers instead of the program titles).

Getting Around In the Guides

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

Digit Buttons (0–9)

You can point quickly to any channel in the program guide by entering the channel number with the digit buttons (0–9). For example, to point to channel 228, press the digits 2-2-8, on the remote control.

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 one line at a time using the arrows: point to other times with the left and right arrows; point to other channels with the up and down arrows.

Scrolling Page By Page

If you want to scroll up or down through the program guide faster, press the CH buttons on the remote control. The highlight scrolls a page at a time.

Scrolling Forward and Reverse

To scroll forward one page at a time, press the remote control's PLAY button while in DIRECTV mode. To go forward or reverse by a 6-hour block of time, use the FORWARD and REVERSE buttons on the remote control.

Note: Your digital satellite receiver can store up to seven days of programming information. Getting all this information can take up to 12 hours to download.

Tuning to a Program

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

To see information about a program in the guide, point to the program and press INFO.

Then, you can select:

- *Tune Program* to tune to that channel

- *Record Program* to record the program.

- *Remind Me* to set up a Watch Timer, which will display a prompt when the program is about to begin. If you aren't already tuned to the correct channel when the program begins, the Watch Timer will tune to the correct channel for you.

- *Showings* to see what other times the program is available.

- *More Details* opens another display with detailed information (if available).

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

Tip

For information on tuning to a PPV program, see page 27.

More Details

There's a variety of program information sent along with standard broadcast signals, and your digital satellite receiver can display much of it (if available).

The *More Details* menu can offer information (if available) about Actors and Roles, the Director, the Writer, Original Materials, the Production Studio, Awards, Keywords associated with the program, and the original release Date and Run Length. Just use the remote control's arrow and SELECT buttons to highlight and select the desired button, and to display more information.

You can even use the displayed information in the *More Details* menu to look for matching information in the stored guide programs, or to create search criteria for use with the Scout™ search feature of your digital satellite receiver.
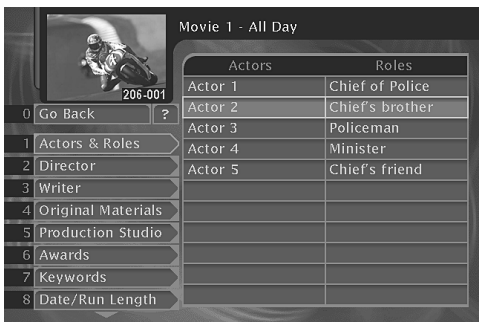
Tip

Your digital satellite receiver can store up to seven days of information, so retrieving data can take a little time.

It can take up to 12 hours to download all seven days of information when turning the system on after the Guide information has been lost.

To Access More Details:

1. Highlight a desired program in the on-screen guide and press the remote control's INFO button.

2. Highlight and select *More Details*.

    Note: The More Details button is displayed in the Program Details menu only if more information is available.

3. Highlight and select the desired on-screen information button to display the details on the opposite side of the screen.

To search for other programs with similar information:

4. Highlight the desired information on the right side of the menu and press the remote control's SELECT button. This will display any other program stored in the on-screen guides that shares the highlighted information.

To save your search as Scout Criteria:

5. After completing step 4, use the remote control's arrow and SELECT buttons to select the Save as Scout button. You will be given on-screen instructions to complete this task.

Satellite Receiver Features

Additional Program Guides

The *Program Guides* menu gives you more guides to choose from besides the Detail and Grid Guides: the Channel Guide, the Logo Guide, the Category Guide, the Viewing Suggestions Guide, AlphaSort and Scout. You can also change the current profile from the Profile Guide in the *Program Guides* menu.

You can access these guides from the Main menu by selecting *Program Guides*.

The Channel Guide

Displays the programming schedule for the selected channel.

The Logo Guide

Displays channel logos for the current user's channel list.

The Suggestion Guide

Displays a list of programs based on programming that has been previously watched under that user profile.

Viewing suggestions are created for each active user profile. You can view and change your suggestions, or change the settings for the Viewing Suggestions feature from the Viewing Suggestions control panel.

To Access the Viewing Suggestions Menu:

1. Press the remote control's MENU button to display the Main menu.

2. Press 1 to select *Program Guides*.

3. Press the 4 button to choose *Suggestion Guide*.

4. Access desired viewing suggestions using the remote control's arrow and SELECT buttons to select.

> *Note: You can also access this menu by selecting the Viewing Suggestions icon in the Channel Banner or at the bottom of the on-screen guides. See pages 17 and 22 for more information.*
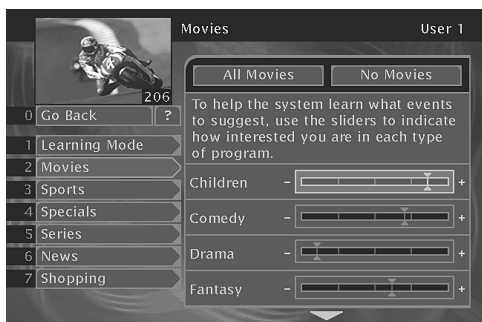
Customizing Viewing Suggestions

You can edit the themes that will appear in the Viewing Suggestions menu by applying different "weights" to the topics. Increasing a topic's weight increases the chance that programs with such themes will appear in the Viewing Suggestions menu. Decreasing a theme's weight will lessen the chance that such themes will appear.

To Change the Weight of Themes and/or Topics:

1. Follow steps 1-3 above to display the Viewing Suggestions menu.

2. Press the 2 button to select *Suggestions Setup*.

3. Select the numbered Topic to edit, then use the remote control's arrow and SELECT buttons to select and adjust the weight given to that topic.
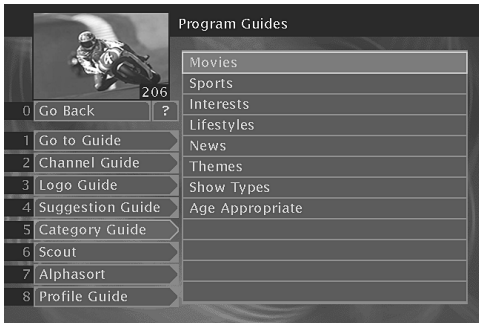
The Category Guide

Lets you search the guide for programs matching a particular category or subsequent subcategory.

To search by category or subcategory:

1. Press the remote control's MENU button to display the Main menu.

2. Press 1 to select *Program Guides*.

3. Press the 5 button to choose *Category Guide*.

4. Use the up and down arrows to highlight the category you'd like to search. Press SELECT to select that category (the *Category Search* menu appears).

5. Use the up and down arrows to highlight the subcategory you'd like to search. Press SELECT to select that subcategory.

You can select more and more specific subcategories (up to 4 levels) until you've reached the system's most specific search for that particular category. The system will then search for programs, ads or channels matching your criteria and show you the results of its search.

Note: You can also access this menu by selecting the Category Guide icon at the bottom of the on-screen guides. See pages 17 and 22 for more information.

The AlphaSort™ Guide

The AlphaSort Guide lists all the program titles stored in the current guide in alphabetical order. Select *AlphaSort* from the *Program Guides* menu to search for specific program titles that are in the stored program guide information in alphabetical order. Use the arrow buttons on the remote control to highlight a character, then press SELECT.

For example, to search for the program *Auto Racing,* point to and select "*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.

Continue to enter the specific title until it appears in the *AlphaSort* list. If you enter the wrong character, select either *Backspace* or *Clear*.

Use the arrow buttons on the remote control to highlight the title you are looking for. Press the SELECT or INFO button to see more information. The AlphaSort feature looks for titles from all stored programming.

Note: When the digital satellite receiver is first plugged in or turned on after an extended power outage, there will only be a few hours of Guide information for search features to work with. It can take several hours for all seven days of Guide data to be completely downloaded to your receiver.

The Scout™ Guide

The Scout Guide lets you assign "Scouts" to search the guide for specific program information, such as actors' names or program descriptions.

Select *Scout* from the *Program Guide* menu to view the available Scout menu items. Then, select *New Scout* from the *Scout* menu (this button only appears if there is an empty Scout available).

Select *Enter Text* to set up the information the *Scout* feature will look for in the program guide. Use the on-screen keyboard to enter the desired search parameters. You can also use the *Select Fields* menu button to specify the type of information you are looking for.

For example, if you are interested in how to prepare food, enter a common term you think would occur in program information, like "cooking." When you have finished entering your topic select *Run Scout.* If "cooking" appears within a program title or program description, the program will be included in the Scout Results program list.

Once you have set up a Scout menu item, you can check its status by highlighting it. A highlighted binoculars icon means that a Scout menu item has found results.

Scout continually searches for requested information whether the box is on or off. You can also select *Run Scout* to do an immediate search after setting up a scout.

Check a Scout menu item's results by selecting that Scout menu item. When you highlight and select that Scout, the results are displayed on the right side.

The Profile Guide

The Profile Guide lets you change the current profile.

Tip

On-screen icons represent the status of the Scout feature:

This icon (displayed in the Scout menu) indicates that the information you specified has been found.

The Scout icon in the Channel Banner and the on-screen guides will have a white outline when a Scout search returns information.

Satellite Receiver Features

The Guide Toolbar

The Detail and Grid Guides have a special toolbar you can access by pressing FETCH in those guides. This toolbar offers several ways of organizing and searching through program guide information so that you can find the programs you want more quickly and easily, even if you don't know their names.

Viewing Suggestions

Displays the Suggestion Guide, which shows viewing suggestions for the active user profile based on the kinds of satellite programs that profile has watched in the past.

You can view and change your suggestions, or change the settings for the Viewing Suggestions feature from the Viewing Suggestions control panel. See *The Suggestion Guide* on page 20 for more information.

Category Search

Displays the Category Guide, which lets you search the guide for programs matching a particular category or subsequent subcategory. See *The Category Guide* on the previous page for more information.

Channel Sort

Sort the on-screen guides to display channels in either numeric or alphabetical order. When the guide is sorted alphabetically, the 1-100 icon is displayed (select the icon to change the display to numeric). When the guide is sorted numerically, an A-Z icon is displayed (select it to display the guide alphabetically).

Channel Display

In the Grid Guide, you can choose to display each channel by its channel number or its call letters. When the Grid Guide is displaying call letters, the 1-2-3 icon is displayed (select the icon to change the display to channel numbers). When the Grid Guide is displaying channel numbers, the A-B-C icon is displayed (select it to display call letters).

In the Detail Guide, both the channel numbers and the call letters are always displayed. The Channel Display button switches which one is shown first.

AlphaSort™

Lists all the program titles stored in the current guide in alphabetical order. Select the *AlphaSort* icon to search for specific program titles that are in the stored program guide information in alphabetical order. Use the arrow buttons on the remote control to highlight a character, then press SELECT. See *The AlphaSort™ Guide* on the previous page for more information.

Scout™

Lets you assign "Scouts" to search the guide for specific program information, such as actors' names or program descriptions. See *The Scout™ Guide* on the previous page for more information.

TIP: Accessing the Guide Toolbar

To get to the guide toolbar, press the FETCH button while you're in the guide. Then, use the left and right arrow buttons to highlight the desired icon and press SELECT to select it.

Using the Menu System

To display the Main menu, press MENU on the remote control.

To use the menu system, you need to use the remote control's arrow buttons to highlight your on-screen choice, then use the SELECT button to select it. In menus that use numbered choices, you can use the remote control's number buttons to select an item quickly.
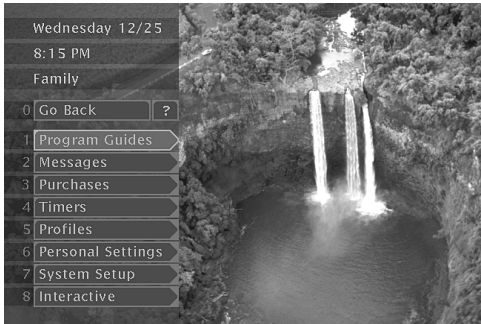
Tip: No Menus?

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

On-screen Buttons and Context Help

The on-screen menu system offers you more than one way to get more information or to navigate within the system using the on-screen *Go Back* and Help *(?)* buttons at the top of most menus.

Exiting a Screen

There are three ways to exit a menu:

- Select the on-screen *Go Back* button and press the SELECT button on the remote control.
- Press the CLEAR button on the remote control. The on-screen display clears from the screen and you return to TV viewing.
- Press the GO BACK button on the remote control. This returns the TV to its preceding display.

Tip: Using On-screen Help

Press the remote control's INFO button at any time for more information.

Getting Help

For an overview of a displayed menu, use the remote control's arrow and SELECT buttons to select the on-screen Help button (*?*).

For details about a highlighted menu item (in what context an on-screen button is used, for example), press the remote control's INFO button and a popup window will tell you more.

Using On-Screen Menus

0 Go Back   ?

1 Program Guides

2 Messages

3 Purchases

4 Timers

5 Profiles

6 Personal Settings

7 System Setup

8 Interactive

Tip: Don't Be Afraid to Explore

Once you've learned the basics, feel free to poke around the menu system– exploring this system is a great way to learn!

Remember to use you remote control's arrow and SELECT buttons to maneuver through menus.

And, so you don't worry about getting lost in the menus, you can press CLEAR at any time to leave the menu system and return to regular system viewing.

Main Menu Items

This section briefly describes each of the options available from the Main menu. More information about each menu and its features is included later in this chapter, and you can always get more information when an item is highlighted by pressing the remote control's INFO button.

Program Guides

Selecting this button will display a menu with a variety of different ways to view program guide information.

Messages

This button is used to access the Caller ID information from your telephone company and mail messages from DIRECTV.

Note: You must subscribe to Caller ID service from your telephone service provider in or der for the on-screen Caller ID information to be displayed.

Purchases

Use this button to review or cancel upcoming purchases, review past purchases, and set spending limits for saved profiles.

Timers

Schedule the digital satellite receiver to tune to a specific channel at a specific time. If a VCR has been properly connected to the receiver, you can also record future programming.

Profiles

This button displays a menu where you can set system and user passwords, ratings limits, spending limits, viewing hours, as well as create favorite channel lists.

Personal Settings

Do you want to set up an individual profile's personal settings or alter the look and feel of an existing profile? This button will take you to a menu where you can alter or set personal preferences of your digital satellite receiver.

System Setup

Allows you to adjust to the way your system works, to get more information about system features, get dish pointing coordinates, etc.

Interactive

Television broadcasts typically carry a wealth of information and now you can access and interact with it starting with this button. Selecting Interactive from the Main menu displays the DIRECTV INTERACTIVE™ system for setting up interactive TV service.

---

1 Program Guides

The Program Guide

Note: The program guide is described in detail in the previous chapter, Using the Satellite System's Features, starting on page 16.

Selecting *Program Guides* from the Main menu displays a menu with a variety of display options available. You can go directly to the system default guide (Detail Guide or the Grid Guide- according to your preferences). You can also select the Logo or Channel guide, the Viewing Suggestions or Category guide, access the Scout™ or AlphaSort™ search features, or change the active profile.

Displaying Program Guides

In addition to selecting *Program Guides* in the Main menu, you can press the GUIDE button on the remote control. This bypasses the Program Guides menu and directly displays the default guide.

---

2 Messages

Messages

The Messages menu lets you access messages or phone calls. If you select *Mail*, it shows you messages that are sent from DIRECTV. For example, you may receive a message calling your attention to a new service. If you select *Caller ID*, this menu shows you Caller ID information from your telephone provider (if you subscribe to Caller ID service from your telephone company).
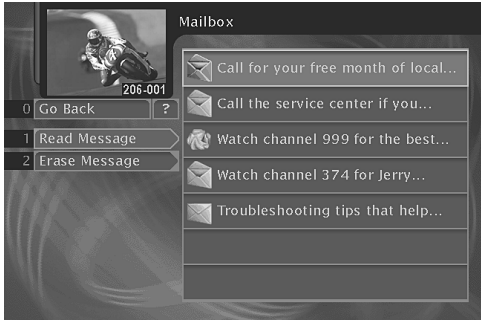
Mail

To tell if you have mail, you need to check the channel banner available when you press the remote control's INFO button. In the channel banner, the mailbox icon will be highlighted if you have an unread message waiting.

Checking Your Mail

Select *Messages* from the Main menu, then *Mail* from the next menu. Or select the mailbox icon on the channel banner to view your mail.

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

2. Press SELECT again to close the message.

   If you want to erase a message, point to *Erase Message* and press SELECT. When you exit *Messages*, messages that aren't erased are saved in memory.

   > *Note: The quickest way to check for messages is to press the INFO button on the remote control. This will display the channel banner. With the channel banner displayed, use the remote control's arrow buttons to highlight the mail icon, then press the remote control's SELECT button to access the Mail menu.*

Caller ID

Your digital satellite receiver is capable of displaying and storing Caller ID information provided by your local telephone company. **To use this feature, you must have your receiver directly plugged into a telephone outlet (or a RC930 wireless modem) and you must subscribe to Caller ID or similar caller identification services from your telephone company.**

Your Caller ID enables you to:

- Identify callers before you answer the phone.
- View the time and date of each incoming call.
- Record the Caller ID information of up to 20 incoming calls sequentially.

  > *Note: Only the last ten calls will be retained after a power outage.*

- See who called while you were away.

There are two ways to access the Caller ID menus: by selecting *Messages* from the Main menu, or by pressing INFO on the remote control and selecting the telephone icon in the Channel Banner. The icon will be white if you have received a new call but have not accessed the Caller ID List screen. It will be gray if you have accessed the Caller ID List screen.

Setting Up Caller ID

To set up your Caller ID, go to the Main menu and select *Messages*, then select *Caller ID Setup*. Use the up and down arrow and SELECT buttons to select your preferences.

Caller ID Light   Setting *Caller ID Light* to *On* causes the front panel light to flash if you receive new calls while the digital satellite receiver is off. The light will flash until you turn the receiver on.

Caller ID Message   Setting *Caller ID Message* to *On* displays the on-screen Caller ID banner when a call is received. You may want to turn this feature off when you are recording manually and do not want the on-screen messages to appear on your recordings. Your calls will be stored in the Caller ID List screen even when Caller ID is turned off.

> *Note: If you have a timer set to record, the Caller ID banner will be temporarily overridden for the duration of that timer. When the record timer event is over, the Caller ID banner will display as selected under Caller ID Message.*

Caller ID Message Time-out   Set the amount of time (from 1–30 seconds) that the Caller ID banner will display when you have an incoming call. For this feature to work, make sure *Caller ID Message* is set to *On*.

Using On-Screen Menus

Tip: When you have unread Caller ID calls:

The telephone icon in the channel banner will be highlighted white.

If you've set the Caller ID Light to On in the Caller ID Setup menu, the front panel light will flash (when the digital satellite receiver is off).

Tip

If you'd like more information to appear in your Caller ID banner and call list, or if you'd like to subscribe to Caller ID, check with your local phone company about the availability of different types of Caller ID service.
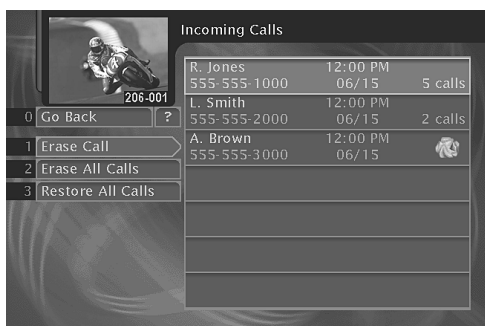
Receiving Calls

When your phone rings twice and *Caller ID Message* is set to *On*, a banner appears at the bottom of the screen temporarily. To clear the caller ID banner from the screen, press the CLEAR button on the remote control.

The banner may include the phone number, date, and time; *or* the name, phone number, date, and time. The banner information depends on the type of service your telephone company provides.

The Caller ID banner will override closed captioning at the bottom of the screen and will appear for the amount of time selected in the *Caller ID Setup* screen. The Caller ID banner will not be displayed if you are in the menu system or a timer is active when you receive a call.

Note: If using your telephone and another call arrives, the new call's information won't appear in the banner or be recorded in the Caller ID List screen unless you have type II service and a type II Caller ID box in your house.

If you have a timer set to record, the Caller ID banner will be temporarily overridden for the duration of that timer. When the record timer event is over, the Caller ID banner will display as selected under Caller ID Message.

When viewing or recording manually (not using a timer) the Caller ID banner will display (and be recorded if recording) as selected under Caller ID Message.

At all times Caller ID messages will be stored in the Caller ID List screen (unless a call arrives when you are on the telephone and you do not have a Type II box or Type II service).

Message Indicators

The following is text that may appear in the incoming Caller ID banner and call list.

Out of Area   The name and/or phone number of the incoming call is coming from outside the local area.

Private Name   The name of the incoming call is sent as "Blocked" from the phone company.

Private Number   The phone number of the incoming call is sent as "Blocked" from the phone company.

Unknown Name   The name of the incoming call is not provided by the telephone company or the information is unreadable.

Unknown Number   The number of the incoming call is not provided by the telephone company or the information is unreadable.

Note: To clear the Caller ID banner from the screen, press CLEAR on the remote control.

The Caller ID List Screen

The digital satellite receiver can store up to 20 call entries in the Caller ID List screen. When the memory is full, a new call automatically replaces the oldest call in memory. The list also tells you if you have received multiple calls from the same number.

To access the call list:

• Select *Caller ID List* from the Messages menu, or

• Press the INFO button on the remote control and select the phone icon.

Deleting Calls

From the Caller ID List screen, you can delete entries:

1. Highlight the call you wish to delete and press SELECT.

2. A crumpled paper icon appears to indicate that you wish to delete the call.

3. To permanently delete the call, exit the screen. If you change your mind before exiting the screen, highlight the call then press SELECT to restore it. The crumpled paper icon should disappear.

Tip: 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.

3 Purchases

Purchases

Movie 1 12:00 PM DTV [03]	06/15/02 $2.99
Movie 2 12:00 PM DTV [03]	06/15/02 $2.99
Event 1 12:00 PM DTV [03]	06/15/02 $2.99
Movie 3 12:00 PM DTV [03]	06/15/02 $2.99
Event 2 12:00 PM DTV [03]	06/15/02 $3.99

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0 Go Back ?
1 Future Purchases
2 Past Purchases
3 Spending Limits

Movie 1

206-001

PPV - 108   08/06/02 $2.99
Rating: PG-13
Start: 10:00pm
Length: 1hr 22min

Do you want to cancel this purchase?

0 Go Back ?
1 Yes
2 No

Spending Limit

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Carolynn can spend up to
$ ☐☐ ☐☐ .00 per event

Set a monthly spending limit?
◉ Yes
◯ No

$ ☐☐ ☐☐ .00 per month

Note: Monthly spending limits do not necessarily correspond to the billing cycle of your service provider.

0 Go Back ?
1 Edit Family
2 Edit Anthony
3 Edit Carolynn
4 Edit Mark
5 Edit Valerie

Tip: Ordering PPV

If you want to order PPV programs using the on-screen menus, you need to connect your digital satellite receiver to a telephone line.

Tip: PPV Passwords

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 or Purchases menu.

Using the Purchases Menu

The Purchases menu allows you to review upcoming and past purchases and set spending limits.

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

Note: The Past Purchases list is updated as soon as a purchased program is viewed.
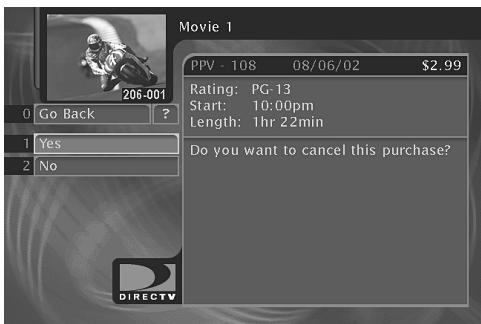
Reviewing and Canceling Upcoming Purchases

Highlight and select an upcoming purchase from the *Future Purchases* screen. You can review the program description, as well as cancel an upcoming purchase.

Note: Only pay per view programs that were ordered from the satellite receiver and have not yet aired may be cancelled.
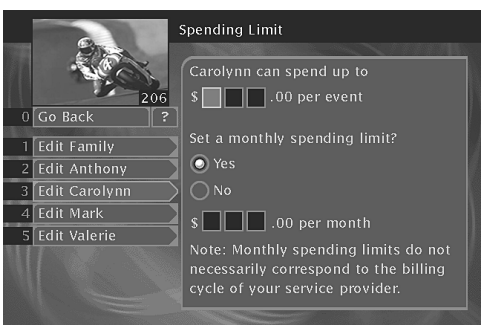
Spending Limits

Use the *Spending Limit* option to indicate a per-event, and/or a monthly spending limit for pay per view programs.

1. Select *Spending Limit*.
2. Select the user profile you'd like to set a spending limit for, then use the digits or the arrow buttons on the remote control to enter program spending-limit information.

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.

Note: Spending limits are in effect only when the system is locked. See "Locking the System" on page 31 for details.

Pay Per View Programs

Pay per view (PPV) programs are DIRECTV® programs that you can purchase—like a movie ticket—if you subscribe to DIRECTV programming and have your digital satellite receiver connected to a telephone line (see the instructions starting on page 2 for connection details).

Previewing and Purchasing

You can preview and purchase DIRECTV® Pay Per View movies and events if you subscribe to DIRECTV programming and have your digital satellite receiver connected to a telephone line.

Using On-Screen Menus

To purchase a movie or event, you can take one of two actions:

• Tune to a PPV channel using the remote control's CH buttons. When you find one, press the SELECT button to find more information and details about how to purchase the program.

• Highlight a PPV program in a program guide and press INFO. The Program Details screen will appear and give you more information about the program. From this screen you can also purchase the program.

You can select:

• *Tune Program* to view that channel

• *Buy Program* to purchase the program

• *Buy and Record* to purchase the program and set a timer to record it.

• *Remind Me* to be prompted just before the show is scheduled to start.

• *Showings* to see when the program will air again.

• *More Details* to go to a menu that will display additional information about the program (if available).

> *Note: The options available to you may vary according to the type of program you select.*

4 Timers

Key

On-screen icons are a quick way to understand the timers:

Indicates that the timer is set.

Indicates that the timer is set for a PPV program.

Indicates a timer conflict.

Indicates Interactive content.

Timer Recordings

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. Select a Timer (1–16) and then use the arrow buttons to complete the on-screen details. When the information is complete, select *Continue*.

> *Note: If you subscribe to Caller ID service from your telephone company, note that the Caller ID banner will neither be displayed nor recorded during a record timer. However, all calls will be logged. The banner will display as selected when the timer recording is over.*

Setting Up a Timer

The Timers feature allows you to set up timer recordings if you have connected the VCR Controller to your digital satellite receiver and told the receiver what type of VCR you are using. See page 9 in the *Setup and Connections* section for details on connecting a VCR Controller.

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 buttons to edit the Timer, then select *Continue*.

• Select *Clear Timer* to cancel the timer.

• To watch the program daily or weekly, edit that program's Timer.

Recording with a Timer

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

To record with timers:

• Your VCR must be tuned to channel 3 or 4 (if the VCR is connected with just coaxial cables), or to the video input channel (if the VCR is connected with audio/video cables).

• You must turn your VCR off prior to the scheduled recording time.

• You must have a recordable tape in the VCR.

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 control. The *Program Details* screen appears.

2. To schedule a timer to record, select:

• *Record Program* to set a timer to record the program, or

• *Buy and Record* to purchase the program and set up a timer to record the program.

> *Note: Programs bought to be recorded may have a different purchase price than those bought for viewing only.*

5 Profiles

Current Settings for Gladys
Channel Lists:
  1 blocked channels
  144 viewable channels
Ratings Limits:
  Movie: up to PG-13 viewable
  TV: up to TV-G viewable
Viewing Hours:
  Saturday and Sunday: 6 hours
  Monday thru Friday: 4 hours
Spending Limits:
  Per Event Limit: $0.00
  Montly Limit: $12.00

0 Go Back ?
1 Edit Family
2 Edit Gladys
3 Edit Trab
4 Edit Shannon
5 Edit User 4
6 Lock System

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Edit Profile User 1

A N T H O

A B C D E F G H I J K L M
N O P Q R S T U V W X Y Z
0 1 2 3 4 5 6 7 8 9 ( ) .
' – & @ ◄ ► space backspace

☐ Use the preset name below:
Parents

0 Go Back ?
1 Name
2 Copy Settings
3 Channel List
4 Rating Limits
5 Viewing Hours
6 Spending Limit
7 Lock User

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User Profiles

Profiles allows you to set up different channel lists and limits for the different members of your family. A main profile (the *Family Profile*) and up to four separate profiles can be created. Individual settings that can be changed in the Profile Menu include the profile name, viewable channel lists, ratings limits for TV and movies, viewing hours, spending limits, and profile locking.

Creating and Editing User Profiles

When you select *Profiles* from the Main menu, the first screen you see presents a menu listing all user profiles (the Family Profile and up to four individual profiles). You can personalize a default profile (*User 1*, *User 2*, etc.), or edit a profile you've already personalized.

To personalize or edit an individual user profile:

1. Press the remote control's MENU button to display the Main menu.

2. Press the 5 button to select *Profiles*.

3. Highlight the desired user profile.

    Note: The highlighted User Profile's settings are displayed in the panel on the right side of the screen.

4. Press the remote control's SELECT button to select that profile and enter profile editing mode.
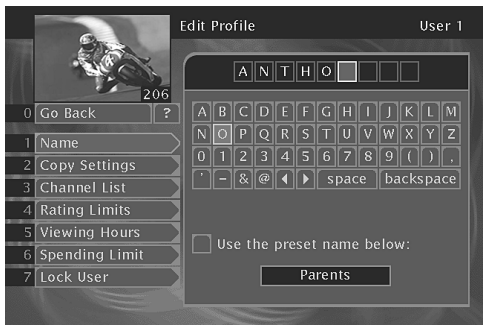
Setting the Name

The first step when creating a new profile is to set a name. This will be the name that appears in the Profile list when you press the WHO•INPUT button.

To set the profile name:

1. In the Edit Profile menu, press the 1 button to select *Name*.

2. Use the remote controls arrow and SELECT buttons to highlight and select the different letters of the profile name.

You can also use one of the preset profile names (*Parents*, *Kids*, *Mom*, *Dad*, etc.) shown at the bottom of the screen. Use the arrow and SELECT buttons to select the preset name you want.

Note: If you've set the menu language to Spanish, you can use additional special character keys (such as an accent or a tilde) in the Profile Name. In order to use these characters, first select the accent, tilde, etc. Then, select the letter that you'd like to add the accent, tilde, etc. to. For example, if you want to use the character "ñ," first choose the tilde, then choose "N" in the keyboard.

Copying Profile Settings

To make creating or editing a profile easier, your digital satellite receiver gives you the ability to use the settings of a previously set profile.

To copy the settings of an existing profile:

1. In the Edit Profile menu, press the 2 button to select *Copy Settings*.

2. Use the remote control's arrow buttons to select the proper profile to copy settings from.

3. Press the remote control's SELECT button to select the desired profile.

4. Use the remote control's arrow and SELECT buttons to highlight and select the COPY button at the bottom of the screen.

Channel List User 1

206-001

0 Go Back ?
1 Edit Channels
2 Add All Channels
3 Delete All Channels
4 Subscriptions

196 PPV ✓ 200 DTV ✓ 201 DTV ✓ 202 CNN ☐
203 CRT ✓ 204 HLN ☐ 206 ESPN ✓ 207 ESN ✓
208 ECS ✓ 209 ESN2 ☐ 210 ESNa ☐ 211 ESNa ✓
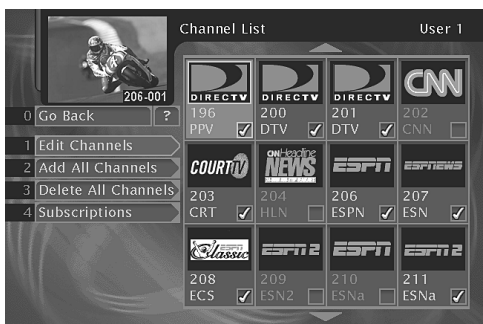
Creating a Profile Channel List

1. Select *Channel List* from the *Edit Profile* menu.

2. Select *Edit Channels*.

3. Use the arrow buttons to highlight a channel, and press SELECT 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 Channels* option or the *Delete All Channels* option 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 Channels* and checkmark only the channels you want to appear in the list.

Subscriptions

Selecting the Subscriptions button allows you to uncheck and remove from the channel list all channels you do not subscribe to. Use the remote control's arrow and SELECT buttons to select the desired on-screen menu buttons.

Note: This step may take several minutes to complete.

Setting the Rating Limit

The Rating Limit menu enables you to set a maximum rating viewing limit for rated movies (based on the MPAA rating system) and TV programs. Unrated movies and TV programs can also be restricted from individual profiles.

1. In the Edit Profile menu, select *Rating Limits*.

2. Highlight the desired rating feature to set (Movie Ratings, TV ratings, or Not Rated Events).

3. Press the remote control's SELECT button.

4. Use the up and down arrow buttons to move the rating selector to the highest rating you want the active profile to view.

> Notes: In the TV Ratings menu, you can customize aspects of certain ratings. For example, the TV-14 rating has four check boxes beside it. Each of these boxes can be checked or unchecked for greater customizing.
>
> The boxes beside certain TV ratings boxes stand for Fantasy Violence (FV), Dialogue/Adult Situations (D), Language (L), Sex (S), and Violence (V).

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.

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," later in this section, for details.

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. In the Edit Profile menu, select *Viewing Hours*.

2. Use the digits on the remote control or point to the + or – buttons and press SELECT to complete the on-screen sentence. Choose the days to view, how many hours can be viewed each day (0–24 hours) and when 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 and/or a monthly spending limit for pay per view programs.

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

2. Use the number buttons on the remote control to enter a single-program spending limit and a monthly spending limit (if desired).

3. When all fields are set up correctly, the satellite receiver returns to the previous display.

> Note: After Spending Limits are set and the system is locked, the system password will be required to purchase a pay per view program that costs more than the set Spending Limits allow.

Locking a User's Profile

Users can be assigned a personal password to lock their profile. When a password is assigned, users must enter the password before they 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).

> Note: Each profile can be easily accessed using the WHO•INPUT button on the remote control.

To lock an individual profile:

1. In the specific profile edit mode, select *Lock User*.

2. Use the arrow or digit buttons to select each digit of the password.
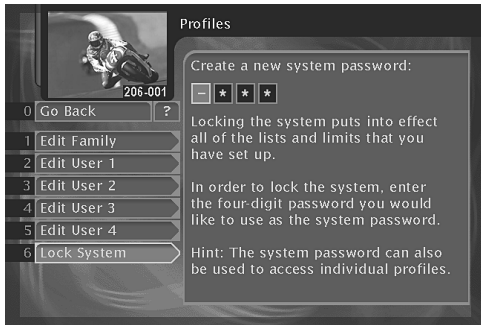
Locking the System

Locking the system puts the ratings, spending, viewing, and channel limits you have set up for each profile into effect. When you lock the system, no one can modify any of these settings without first entering the four-digit system password.

1. In the Profiles menu, select *Lock System*.

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. The lock icon should be displayed in the channel banner.

> *Notes: After the system has been locked, you must enter the correct password in order to access the Edit Profiles control panel.*
>
> *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 the DIRECTV authorization center.*

Lock icon: All limits are in effect. No limits can be accessed or changed without first entering the system password. The system password is also required to override limits.

Temporarily Unlocking 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 override limits by entering the four-digit system password.

If you enter the password to override a limit, you can choose whether the system remains unlocked until you turn off the receiver, or whether the system remains unlocked for the duration of the program that exceeded one of your limits.

When you turn the receiver back on after temporarily unlocking it, 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.

Temporarily Unlocking the System from the Channel Banner

You can also temporarily unlock the system from the channel banner. Press the remote control's INFO button 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. The program unlock icon should be displayed in the channel banner.

Use the Lock and Unlock icons in the Channel Banner to lock or unlock the system. To access the Lock/Unlock Menu, press the INFO button on the remote control and use the arrow buttons to select the Lock icon. Use the remote control's number buttons to enter the proper password and follow on-screen instructions.

Unlock icon: The system is unlocked. No limits are in effect. Spending, viewing and other limits can be accessed and changed.

Program Unlock icon: The system is locked, but no limits are in effect for the duration of the current program because a password has been entered to override the current program's limits. No limits can be accessed or changed without entering a password. After the program ends, the system will return to Lock status.

Video Unlock icon: The system is temporarily unlocked with no limits in effect until the receiver is placed in standby mode. A password has been entered to override the system limits. No limits can be accessed or changed without entering the system password. When the system is turned off, it will return to Lock status.

Permanently 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. Highlight and select *Unlock System* in the *Profiles* menu.

2. Highlight and select *Yes* to confirm that you want to unlock the system. The unlock icon should be displayed in the channel banner.

The system will remain unlocked until you lock it again.

Note: Any time you permanently unlock the system you erase the old system password. When you lock the system again, you'll be asked to enter a new password.
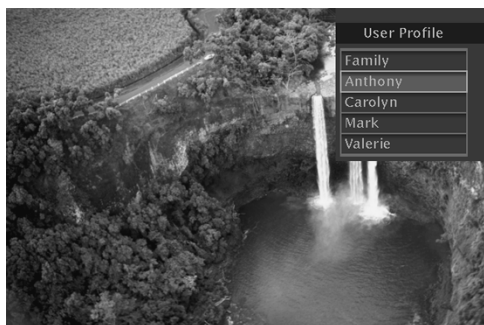
Choosing Your Profile

Each time you turn on the digital satellite receiver, the Family profile is selected by default, so this should be the profile with the most restrictive limits you want enforced across all profiles.

To select another profile:

1. Press the WHO•INPUT button to display a list of profiles.

2. Use the remote control's arrow and SELECT buttons to select the desired profile. Then enter the four-digit password to activate the profile. If the profile is not password protected, you can just press SELECT to activate it.

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

The active profile also affects what you see in the program guides. To change the current profile, press the WHO•INPUT button. You can also change the current profile from the Program Guides menu (select *Profile Guide*, then choose the profile you want).

Using On-Screen Menus

6 Personal Settings

Personal Settings

The Personal Settings menu lets you customize the look and feel of the active profile. Each of the satellite system's profiles can have individualized personal settings.

Note: If a personal profile is password protected, then that password must be entered before changing any of the profile's settings.

Once you have accessed the personal settings menu, select the desired profile. You will use the remote control's arrow and SELECT buttons to make your selections.

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

Name

Used to change the profile display name. This name will be displayed in the Profiles menus as well as when the remote control's WHO•INPUT button is pressed.

Note: You can also change a profile's name from the Profiles menu. See Setting the Name on page 29 for more information.

Guide Settings

Lets you choose which guide appears first when you press the GUIDE button on the remote control. The choices are Grid Guide or Detail Guide.

Guide Settings also lets you choose whether the default guide is sorted numerically by channel numbers or alphabetically by channel names, as well as whether the Grid Guide shows each channel by its call letters or by its channel number.

Channel Banner

Lets you choose which size of channel banner you would like to appear when you change channels. The choices are *Full*, *Medium* or *Short*. Larger channel banners show you more information, but they also cover more of the screen.

Color Scheme

Lets you pick which colors appear in the guide and menu systems.

Translucency

Lets you choose how much you can see through any on-screen displays that appear on top of what you're watching (for example, the Main Menu, **not** the Grid Guide). Use the remote control's arrow buttons to access and slide the indicator bar to make the screens more or less opaque.

Animation

Lets you select which graphics are displayed when you tune to an audio-only channel and also lets you select the animation time-out.

Edit Fetch

Lets you choose a single function for the FETCH button on the remote control, or to bring up a custom menu of up to 8 different features to choose from.

To create a custom Fetch menu:

1. Press MENU to bring up the Main menu.
2. Select *Personal Settings*,
3. Select the desired profile (each profile can have a different Fetch Menu).
4. Select *Edit Fetch.*
5. Select *Fetch Control.*
6. Select *Show Fetch Menu.*
7. Select *Fetch List* from the Edit Fetch menu.
8. Choose up to eight menu items to include in your customized menu by checkmarking them with the SELECT button.
9. Press the left arrow button to confirm your selections and return to the menu.

Once you've set up your Fetch list, you can access your customized menu whenever you want (in DIRECTV mode) by pressing the FETCH button on the remote control.

TIP: Getting Help

If you ever have a question about the menu you are in, select the on-screen help button (?). If you have a questions about a highlighted menu item, press the remote control's INFO button.

To assign one function to the FETCH button:

1. Press MENU to bring up the Main menu.
2. Select *Personal Settings*,
3. Select the desired profile (each profile can have a different Fetch Menu).
4. Select *Edit Fetch.*
5. Select *Fetch Control.*
6. Select *Assign One Function.*
7. Select *Fetch List* from the Edit Fetch menu.
8. Choose which menu item you would like to assign to the FETCH button by pointing and selecting.
9. Press the left arrow button to confirm your selection and return to the menu.

Once you've assigned your Fetch function, you can execute the assigned function whenever you're watching satellite programming (in DIRECTV mode) by pressing the FETCH button on the remote control.
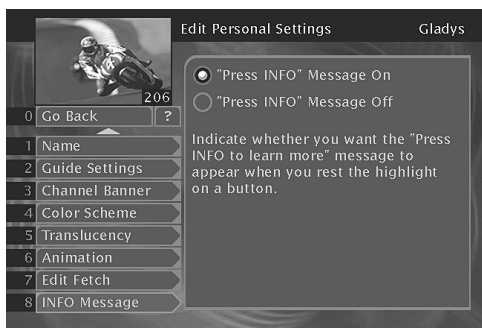
INFO Message

A text block saying "Press INFO to learn more" pops ups by default whenever there is a brief period of inactivity in a menu. This Personal Settings option allows you to turn the INFO Message feature on or off.

System Setup

The System Setup menu allows you to get details about your system and is used to configure system options that are not profile specific. Setup items that are global to the digital satellite receiver include System Options and Dish Pointing.
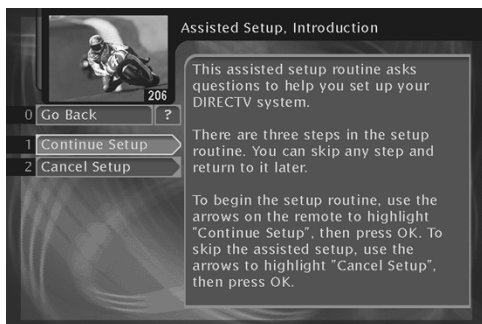
Assisted Setup

This feature walks you through a series of questions to set up your system and get it to detect a satellite signal.

Follow the on-screen instructions to set the system language, get instructions on menu navigation, select the type of satellite dish antenna used, find your dish-pointing coordinates, use the on-screen signal meter to fine-tune the dish position, and run a system test that initiates diagnostic procedures on the satellite receiver system. You have the option to skip any of the steps.

Receiver Index

The Receiver Index feature allows you to get detailed information about your digital satellite receiver.

The Receiver Index has information about program guides, the menu system, the remote control, the receiver's front and back panels, along with a glossary of words commonly used when discussing digital satellite receivers and a list of answers to Frequently Asked Questions about satellite receivers.

Using On-Screen Menus

Receiver Options

The Receiver Options feature allows you to set a default on-screen display language, identify the type of VCR you want the receiver to control, choose a receiver output channel (the channel that the TV views satellite broadcasting), set up the remote control, select a default picture size, select a Dolby Digital option, and set the time zone.

Use the remote control's arrow and SELECT buttons to navigate through these menus, or you can use the digit buttons on the remote control to select a numbered on-screen item.

Languages

This menu allows you to select menu and audio languages. You can choose between English and Spanish for the menu language.

You can choose from a variety of audio languages to be heard if a program is simulcast in that language. If that language is not available for that broadcast, the programming will be heard in its default language.
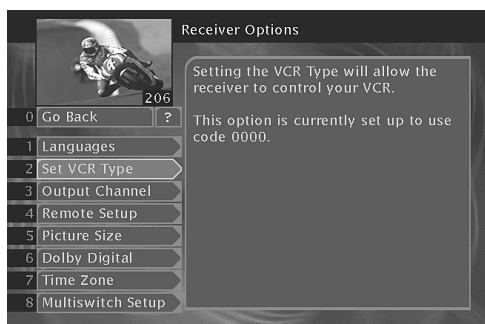
Set VCR Type

Use the arrow, SELECT, and number buttons of the remote control to follow the menu options displayed when you select the Set VCR Type menu button. These screens will allow the digital satellite receiver to control a properly attached VCR.

Selecting this button transfers you to a Set VCR Type menu with a scrollable list of manufacturers displayed in alphabetical order. Scroll to the proper manufacturer, and a list of codes appears. Use the remote control's arrow and SELECT or the corresponding number button to select one of the options.

Notes: If you select Code Search from the list of codes, the satellite system will automatically try every code in the list until the proper one is used.

If you do not see your VCR manufacturer's name, select Other (at the bottom of the list) and enter the appropriate code from the "Using the Remote" section.

Follow the on-screen instructions until the Set VCR Type feature is properly set.
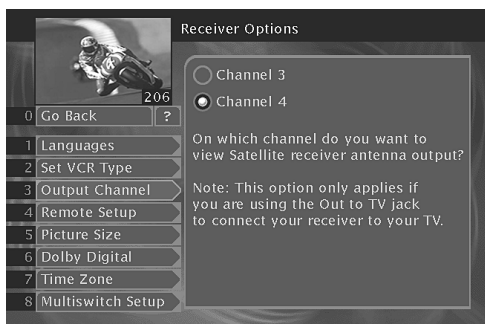
Output Channel

This feature allows you to change the TV channel to which the satellite receiver broadcasts its signal. The default setting is channel 3, which means the TV must be tuned to channel 3 to see the satellite receiver's picture.

Note: If you used A/V cables to connect your digital satellite receiver to your TV, then you must use the TV's video line input to see the satellite broadcast.

Remote Setup

This allows you to choose which remote control button will control the digital satellite receiver. You can choose between DIRECTV and AUX1 buttons. The default is DIRECTV.

Use the remote control's arrow and SELECT buttons to make your choice and follow the on-screen instructions.

Picture Size

Selecting Picture Size allows you to select the type of TV connected to the receiver. You can choose between Normal (4X3) or Cinema (16X9). The default is Normal.
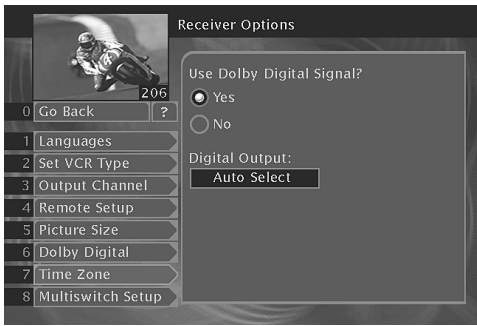
Dolby Digital

This menu feature allows the system's audio output to use Dolby-Digital quality sound. You must have the digital satellite system attached to a Dolby Digital-enabled receiver or decoder via the DIGITAL AUDIO output jacks on back of the satellite receiver in order for this feature to work.

You have three choices for the digital output signal: *Auto Select* (the default setting if you're using the Dolby Digital signal), *Dolby Digital* and *PCM*. Consult the user's manual for your digital audio component to see which output signal you should use.

Dolby Digital* Setup

Dolby Digital soundtracks (when available) provide up to six independent soundtrack channels through a digital audio output jack. Your digital satellite receiver has a SPDIF [IEC-958] digital PCM digital audio output jack. This can be connected to an external Digital Audio Receiver/Decoder equipped with a compatible digital audio input (see page 6 in the Setup and Connections section for more information). With such additional equipment, you can enjoy more dynamic and realistic sound.
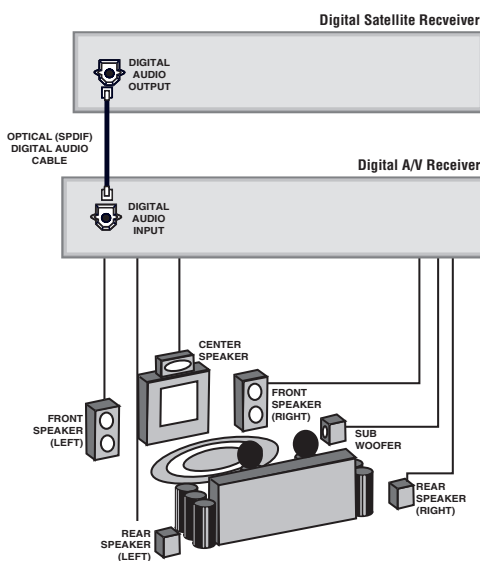
Requirements

• Digital Audio Receiver/Decoder with a digital optical input jack.

• Programming with a digital soundtrack.

• Optical (SPDIF) cable.

• Six speakers: left front, left rear (surround), right front, right rear (surround), center and sub-woofer.

Connections

This diagram illustrates the equipment connections and home theatre speaker arrangements. Check your equipment's user's manual for more detailed connection information. (Note: older digital equipment may not be compatible with the Dolby Digital bitstream and could cause damage to ears, headphones, or speakers. Please read the note below for more information.)

Note: This satellite receiver's digital output jack fully complies with the international standard governing this type of jack (IEC958), and will output digital audio signals in either PCM or Dolby Digital format. It is designed for connection to an external Dolby Digital decoder. Older equipment, some of which is not fully compliant with IEC958, may not be compatible with Dolby Digital. If the digital audio output is connected to a receiver that cannot decode Dolby Digital signals, set the Dolby Digital setting in the Receiver Options menu to PCM. Failure to do so could create a high noise level, causing damage to headphones, speakers, or your hearing.

*Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories. Confidential Unpublished Works. ©1992-1997 Dolby Laboratories, Inc. All rights reserved.
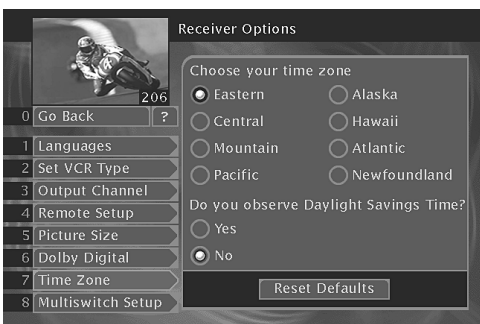
Time Zone

Using this feature allows you to set the local time zone and to enact a Daylight-Saving time option. Accurate time and time zone is necessary for Record and Remind features. Setting the time zone is normally automatic, and generally does not require you to do anything.

Setting the time zone should only be done in rare circumstances, such as if the program times are wrong after the system card has been activated.

Note: You must select an entry in the Choose your time zone field before all menu items are displayed.

Multi-Switch Setup

This feature allows the satellite system to know if you have a multi-switch connected to the system and to determine what type of multi-switch is used.

This feature should only be used in rare circumstances, such as when instructed to do so by DIRECTV.
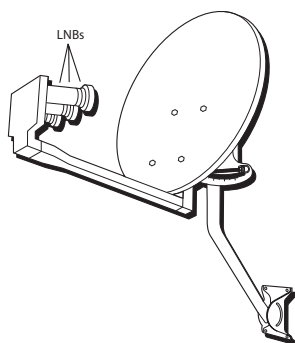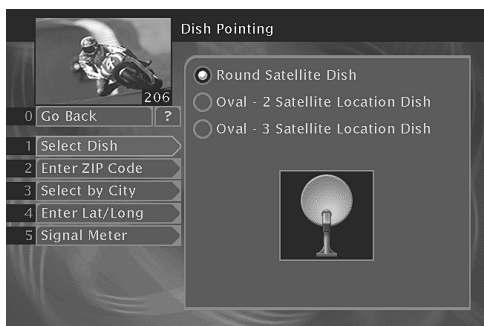
An oval satellite dish with the LNBs (not provided with all systems).

Tip

Azimuth is the side- to-side direction that the satellite dish antenna is pointed.

Elevation is the up/down angle that the satellite dish antenna is pointed.

Tilt is the circular rotation of the dish itself, like the motion of a steering wheel.

Tip

It is important to select the correct dish type. If you do not, you will not receive the proper dish pointing coordinates and you will not be able to take full advantage of your DIRECTV® System.

Dish Pointing

The Dish Pointing menu helps you set up your digital satellite receiver and optimize your reception of the satellite signal.

Selecting Your Dish Antenna

It is important to complete each of the following steps required for your satellite dish antenna. If you do not, you will not receive proper dish pointing coordinates and will not be able to take full advantage of your digital satellite receiver.

Specify the type of dish you are using:

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

2. Select *System Setup*, then *Dish Pointing*, then press SELECT to access the dish pointing screen.

3. *Select Dish* is highlighted by default. Press the SELECT or right arrow button to access the information on the right-side panel.

4. Specify the type of dish you are using: a round satellite dish or an oval satellite dish with two or three LNBs (Low Noise Block-converter). When the proper dish is highlighted, press SELECT.

> *Note: Changing the dish type will delete all stored Guide information while the digital satellite receiver gets the updated Guide data. While updating Guide information, advanced search features such as the Scout™ and AlphaSort™ will only have a few hours of data from which to work.*

Entering Your ZIP Code

This feature allows you to find dish-pointing coordinates from your local zip code.

1. In the *Dish Pointing* menu, use the remote control's arrow buttons to select *Enter ZIP Code*.

2. Use the numeric buttons on the remote control to enter in the proper ZIP code.

3. After entering the final digit, the receiver displays the dish-pointing coordinates. For convenience, record the numbers in the spaces below.

> *Note: If you have a round satellite antenna, you will not see numbers for Tilt. Tilt applies only for satellite antennas with more than one LNB.*

Dish-pointing Coordinates

Elevation _____   Azimuth _____

Tilt (oval satellite dish only)_____

Select by City

Allows you to choose major cities from selected states to find dish-pointing coordinates.

Enter Lat/Long

Allows you to find dish-pointing coordinates from latitude and longitude entries. Latitudes between 20 and 55 can be entered, and longitudes between 65 and 125 can be entered.

Signal Meter

This feature allows you to determine the strength of all available signals, one at a time. There is a separate test for each satellite from which your antenna receives information.

> *Note: After you finish installing the dish antenna and exit the Dish Pointing menu screens, the message "Searching for Satellite Signal" might appear for a few seconds, followed by the Satellite Data Acquisition screen. This is normal. Go to page 8, in the "Wait for the Receiver to Download ADVANCED PROGRAM GUIDE™ Data" section, for details.*

System Test

This function allows you to perform a system-level diagnostic test on the satellite receiver. There are four sub-tests within this system test. Each one will display results after the testing for that area is complete. The receiver's ID and access card numbers are also displayed in this menu.

Note: While the system is testing the signal, the video will temporarily blank out. When the tests are complete, a summary display appears.

System Info

This function displays the model and serial numbers of your receiver, along with its brand name and a list of its features.

System Upgrades

Your digital satellite receiver is able to receive upgrades or modifications to some of its features and functions. These modifications will occur automatically, usually at times when your receiver would likely be turned off. If your receiver is on when an upgrade or modification is sent, you may experience a disruption in reception for a minute or two. Your reception should return to normal after the modification is complete.

Note: Your receiver must be plugged in to receive any updates. Do not unplug your receiver while an update is in progress. Please consult the System Upgrades Menu to find a schedule of upgrades or modifications planned by DIRECTV.

The "RSA Secure" logo ensures that only authorized upgrades or modifications are delivered to your digital satellite receiver.

New Access Card

Selecting the New Access Card function allows you to update the digital satellite receiver with a new access card. This is necessary on occasion when DIRECTV sends out a new card.

Alternate Data

Selects from among the available data channels.

8 **Interactive**

Interactive

This function allows you to learn more about DIRECTV INTERACTIVE™. It also allows you to setup an account for the free service, review transactions and messages, and to change settings.

*RSATM Secure and the RSATM Secure logo are trademarks of RSA Data Security, Inc.

Chapter 5: Other Information

Troubleshooting

Many problems can be corrected by performing a simple reset of the digital satellite receiver. If you experience the following:

- Image freezes
- Audio freezes
- Blank screen
- Won't respond to front panel or remote

try this: press and hold the POWER button on the front of the receiver for at least five seconds. If the problems persist, try unplugging the digital satellite receiver for 15 seconds to 2 minutes and then plug it in again.

Running the System Test (later in this section) can also help you diagnose and solve many common problems.

Note: If you prefer, we can provide you with the name of an Authorized Service Representative who will visit your home for a fee to set up your digital satellite receiver and to instruct you in its operation. For details about this service, call 1-888-206-3359 or visit rca.com.

Digital Satellite Receiver Problems

Screen goes blank during Satellite Data Acquisition

- This is normal. The progress bar times out after two minutes (see page 8 for details). If your screen is still blank for two minutes after the progress bar times out, follow these steps to restart your receiver:
  1. Unplug the satellite receiver's power cord from the power outlet.
  2. Wait a few seconds – then, plug in the satellite receiver again.
  3. Turn on the receiver and wait for it to download program guide information.

Wrong picture

The digital satellite receiver and most VCRs let you toggle between signals. If you don't see the signal you think you should be seeing, try using these buttons to toggle between the signals:

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

Taking either of the above actions lets you switch the source of the video signal from satellite signals to the off-air antenna or cable signal, and vice versa.

Problems with Caller ID

- Typical wireless phone jacks do not transmit caller ID information. You need a special wireless phone jack to use with caller ID service. See the user's manual that came with the wireless phone jack to see if it transmits caller ID information. If it doesn't, either connect the phone line directly to a standard wall-mount phone jack or install a wireless phone jack that transmits caller ID information.

Light flashes on front panel

- You have unread Caller ID messages. Highlight and select *Messages* from the Main menu, and then select *Caller ID List* to see a list of sequential Caller ID information. Once you access your messages, the L.E.D. will stop flashing.

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 remote control are "dead."
- Maybe remote control is not aimed at remote sensor.
- Unplug the receiver. Wait five minutes. Plug it in again.

Turns off while playing

- 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.

Satellite receiver turns on or changes channels unexpectedly

- A Timer may have been activated.

Blank screen

- Maybe the component connected to the input jacks is not turned on.
- Try another channel.
- Your satellite receiver may be hooked incorrectly to the TV. Change channels using the satellite receiver's front panel buttons to see if the channel banner appears. If it does not, check the Setup and Connections section for instructions about connecting your satellite receiver.

Temporary loss of the satellite signal

• Your satellite system may be experiencing rain fade, a temporary loss of the satellite signal due to the signal's inability to penetrate unusually heavy rain clouds or rainfall. Rain fade is usually brief, lasting only as long as the heavy rain cloud condition persists. See the *Satellite Systems and Rain Fade* throw-in sheet that came with your satellite receiver for more information.

Partial programming loss

• Your multiple LNB satellite antenna may be incorrectly configured. Change the dish type set in your receiver's preferences. Press the MENU button on the remote control, then select *System Setup*. In the next menus, select *Dish Pointing*, and then *Select Dish*. From the Select Dish display, make sure the proper antenna is selected (round, or oval with 2 LNBs, or oval with 3 LNBs.

A battery icon appears in the lower left corner of the screen

• Your remote control's batteries need to be replaced. If you don't replace them soon, you might need to reprogram the remote.

Remote Control Problems

Problems with the remote control

• Maybe something is between the remote control and the remote sensor.
• Maybe the remote control is not in DIRECTV mode. Press the DIRECTV button so the remote will control the digital satellite receiver.
• Maybe the batteries in the remote control are weak, dead or installed incorrectly. Try replacing batteries. (Note that when you replace the batteries you may have to reprogram your remote to control other devices.) **IMPORTANT: Don't press any remote control buttons while replacing the batteries unless you are resetting the remote! If you press a remote control button while replacing the batteries, you may need to reprogram the remote to operate other devices. Reprogramming may also be required if dead or weak batteries have been allowed to remain in the remote.**
• The remote may need to be reset. Remove batteries; press and hold the 1 button for at least 60 seconds to drain the microprocessor inside the remote control. Release number 1, replace the batteries, and (if necessary) reprogram the remote.
• If you're entering a channel number that is less than four digits long, the receiver might wait two seconds before actually tuning to the channel.
• If you are trying to operate a device other than the digital satellite receiver that you have programmed the remote to control, make sure you press the corresponding device button (DVD, VCR, etc.) first. The remote button for the component you're trying to control should light up when you press a valid button for that component. If it doesn't, press the component button again to put the remote in that mode.

A remote control component button starts flashing

• The batteries in the remote control are running low and should be replaced soon. (Note that when you replace the batteries you may have to reprogram your remote to control other devices.)

TV or VCR Problems

Blank screen

• Maybe the component connected to the input jacks is not turned on.
• Try another channel.

TV turns on or changes channels unexpectedly

• Your TV's timer may have been activated.

VCR turns on or off unexpectedly

• A timer may be set to record. The timer will automatically turn the VCR on and off.

Other Information

Running the System Test

The System Test allows you to run a basic diagnostics check on your digital satellite receiver. If you are experiencing any trouble with your receiver, run the system test. It will also allow you to get your access card and receiver ID numbers or to initiate diagnostic procedures on your digital satellite receiver.

First make sure that:

- all connections—jacks, cables, etc.—are correctly in place. See Chapter One, *Setup and Connections*, 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 diagnostics system test on your digital satellite receiver.

1. Turn on your TV and the digital satellite receiver.
2. Press the DIRECTV button to put the remote control in satellite receiver-controlling mode, then press MENU to bring up the Main menu.
3. Select *System Setup*.
5. Select *System Test*.
6. If your system does not pass the system test, check any of these potential trouble areas: cabling, pointing the satellite dish, phone connection, and access card.
7. If you continue to have problems, call RCA Customer Service at 1-800-679-4776.

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.

Fine-Tuning the Signal

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

If you need to run the Assisted Setup again, select *System Setup* from the Main menu, then select *Assisted Setup*.

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

TV Button

WHO•INPUT Button
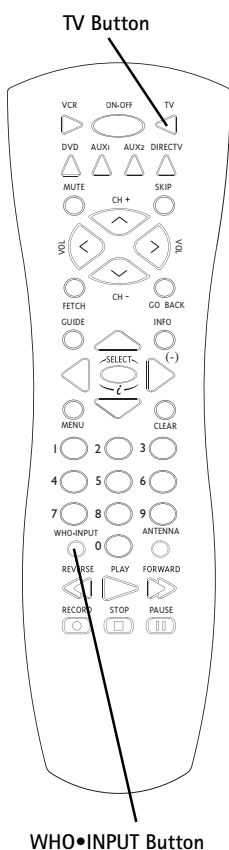
Finding the TV's Video Line Input

Note: If your TV is connected with just coaxial cables, you only need to tune to channel 3 or 4.

If you used audio/video cables to connect your TV to the digital satellite receiver, you must tune your TV to the video input channel to view DIRECTV® programming and menus. There are just as many ways to access a TV's video input channel as there are brands and models of TVs. 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.

The box below lists of some of the different ways manufacturers label the video input channel.

Video Line Input 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	

RCA® – DIRECTV® SYSTEM LIMITED WARRANTY

What your warranty covers:
* Defects in materials or workmanship.

For how long after your purchase:
* 90 days from date of purchase - Unit exchange, which includes parts and labor.
* 91 days to 1 year from date of purchase - Unit exchange, which includes parts only; you pay 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 system with a new or, at our option, refurbished unit.
* **After the 90 days and within one year:**

  Exchange the defective portion of your system with a new or, at our option, refurbished unit. We will charge you a flat exchange cost to replace the defective receiver. This charge covers the labor cost for its repair.

How you 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 receiver.
* A representative will troubleshoot your problem over the phone.
* If the representative determines that you should receive a replacement receiver you will be provided with a Service Request (SR) number and the location of a nearby exchange point if one exists. No returns will be accepted without the SR number.
* If the representative determines that your antenna/dish is defective they will arrange for its repair or replacement.
* Proof of purchase in the form of a bill of sale or receipted invoice which is evidence that the product is within the warranty period must be presented to obtain warranty service. For rental firms, proof of first rental is also required.

Option I:
1. Provide your Discover, MasterCard or Visa account number and expiration date to your phone representative. This is for security purposes only and 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 SR 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 handling fee, if the unit is subsequently received.
4. Ship your defective unit back to us using the replacement unit's carton. Shipping instructions will be included on the carton along with your SR number which will allow you to easily ship the unit back to us. Make sure you insure your shipment in case of damage or loss. Include with the shipment:
   * Evidence of purchase date such as a bill of sale.
   * A brief note describing your receiver problem.
   * Your name, address and phone number.

Option II:
1. For a fee, 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 and access card.
4. If the repairs are covered by your warranty, you will not be billed.

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

Other Information

To receive a replacement receiver after we have received your unit:
*   Write the SR number on the outside of the carton used to return the unit. Make sure you 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 and access card.
*   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 address 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:
*   Customer instruction. (Your Owner's Manual describes how to install, adjust, and operate your unit. Any additional information should be obtained from your dealer.)
*   Acts of nature, 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. and Alaska.
*   For units intended for use in Alaska, this warranty does not cover installation or the dish antenna. It only covers the Digital Television System 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 warranty coverage.

Limitation of Warranty:
*   THE WARRANTY STATED ABOVE IS THE ONLY WARRANTY APPLICABLE TO THIS PRODUCT. ALL OTHER WARRANTIES, EXPRESS OR IMPLIED (INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE) ARE HEREBY DISCLAIMED. NO VERBAL OR WRITTEN INFORMATION GIVEN BY THOMSON MULTIMEDIA INC., ITS AGENTS OR EMPLOYEES SHALL CREATE A GUARANTY OR IN ANY WAY INCREASE THE SCOPE OF THIS WARRANTY.
*   REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER. THOMSON MULTIMEDIA INC. SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT OR ARISING OUT OF ANY BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. THIS DISCLAIMER OF WARRANTIES AND LIMITED WARRANTY ARE GOVERNED BY THE LAWS OF THE STATE OF INDIANA. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED TO THE APPLICABLE WARRANTY PERIOD SET FORTH ABOVE.

How state law relates to warranty:
*   Some states do not allow the exclusion nor limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you.
*   This warranty gives you specific legal rights, and you also 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.

FCC Customer Information

This equipment complies with Part 68 of the FCC rules and the requirements adopted by the ACTA. On the back or bottom side of this equipment is a label that contains, among other information, a product identifier in the format US:G95XXXXXXXXX. If requested, this number must be provided to the telephone company.

A plug and jack used to connect this equipment to the premises wiring and telephone network must comply with the applicable FCC part 68 rules and requirements adopted by the ACTA. A compliant telephone cord and modular RJ11 plug is provided with this product. It is designed to be connected to a compatible modular jack that is also compliant. See installation instructions for details.

The Ringer Equivalence Number (REN) is used to determine the number of devices that may be connected to a telephone line. Excessive RENs on a telephone line may result in the devices not ringing in response to an incoming call. In most but not all areas, the sum of the RENs should not exceed five (5.0). To be certain of the number of devices that may be connected to a line, as determined by the total RENs, contact the local telephone company. The REN number is located on the label of this product.

If this digital satellite receiver (modem) causes harm to the telephone network, the telephone company will notify you in advance that temporary discontinuance of service may be required. But if advance notice isn't practical, the telephone company will notify the customer as soon as possible. Also, you will be advised of your right to file a compliant with the FCC if you believe it is necessary.

The telephone company may make changes in its facilities, equipment, operations or procedures that could affect the operation of the equipment. If this happens the telephone company will provide advance notice in order for you to make necessary modifications to maintain uninterrupted service.

If trouble is experienced with this digital satellite receiver, for repair or warranty information please refer to the appropriate section of this manual. This product is not user serviceable. If the equipment is causing harm to the telephone network, the telephone company may request that you disconnect the equipment until the problem is resolved.

Connection to party line service is subject to state tariffs and may not be allowed. Contact the state public utility commission, public service commission or corporation commission for information.

If your home has specially wired alarm equipment connected to the telephone line, ensure that the installation of this digital satellite receiver (modem) does not disable alarm equipment, consult your Telephone Company or qualified installer.

FCC Declaration of Conformity

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Trade Name: RCA

Model(s): DRD455RH

Equipment Classification: TV Interface Device

Responsible Party: Thomson multimedia, Inc.
10330 N. Meridian Street
Indianapolis, IN 46290
Telephone 1-(317) 415-4151

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try and correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect this equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Other Information

Accessory Information

There are various accessories available to complement your TV. Prices are subject to change without notice. All accessories are subject to availability.

A shipping and handling fee will be charged upon ordering, and 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.

How To Order

To place an order by phone, have your Visa, MasterCard or Discover Card ready and call the toll-free number listed below.

Use this number only to place an order for accessory items.

<div align="center">

1-800-338-0376

</div>

You can buy some accessories on-line at

<div align="center">

www.rca.com.

</div>
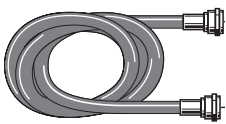
RG-6 Coaxial Burial Cable with weatherproof "F" connectors (comes in a variety of lengths)

12 ft., Part number DT12C
price: $14.95

25ft., Part number DT25C
price: $24.95

50 ft., Part number DT50C
price: $39.95

Weatherproof "F" Connectors (2)
Part number D905
price: $5.95

Audio/Video Cables
12 ft., Part number VH914
price: $14.95

S-Video Cable
12 ft., Part number DT12S
price: $19.95

Remote Control RCR160SDM1 is the remote that came with your system.
Part number 257412
price: $30.30

TVRO Bullet Amplifier
Part number D903
price: $22.95
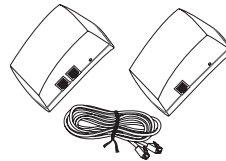
Wireless Modem Jack
Part number RC930
price: $99.95
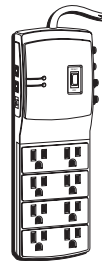
Eight outlet surge protection for cable TV, satellite systems and other electronics (comes with a $50,000 equipment guarantee)
Part number: SCTV4000
price: $39.95
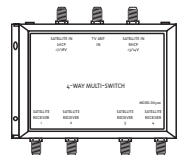
Multiswitch
Part number: D6520
price: $79.95
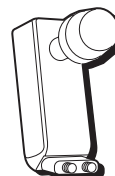
Dual output LNB (replacement)
Part: DLNB2
price: $84.95

Index

If your digital satellite receiver needs service, please contact your dealer or the nearest Service Center from the Yellow Pages. Please do not send any products to the Indianapolis address listed in this manual or on the carton. This will only add delays in service for your product.

The software used to display images in this product is based in part on the work of the Independent JPEG Group.

Thomson multimedia Inc.
10330 North Meridian Street
Indianapolis, IN 46290

TOCOM 15971380

THOMSON

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http://www.luxmanual.com

http://aubethermostatmanual.com

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Email search by domain

http://emailbydomain.com

Auto manuals search

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TV manuals search

http://tv.somanuals.com