

D10-200

DIRECTV® Receiver User's Guide

DIRECTV, Inc.
2230E Imperial Hwy
El Segundo, CA 90245
Telephone: 1 800 DIRECTV (347-3288)

Owner's Manual

Warning! Important Safety Instructions

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 high voltage is present inside. It is dangerous to make any kind of contact with any inside part of this product.	
This symbol alerts you that important literature concerning operation and maintenance have been included with this product.	

Note to CATV system installer: This reminder is provided to call CATV system installer's attention to Article 820-40 of the National Electrical Code that 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.

Caution: Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Caution: To prevent electric shock, match the wide blade of plug to the wide slot, and fully insert the plug.

Important: One Federal Court has held that unauthorized recording of copyrighted TV programs is an infringement of U.S. copyright laws.

To prevent damage which may result in fire or electric shock hazard, do not expose this appliance to rain or moisture.

 **Always be careful when using this product. To reduce the risk of fire, electrical shock, and other injuries, keep these safety precautions in mind when installing, using, and maintaining your DIRECTV® Receiver.**

Important Safety Information

- 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, 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 are 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 cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When used, 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.



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 that may cause undesired operation.

This satellite receiver provides display of television closed captioning in accordance with §15.119 of the FCC rules.

Note you should use the Telephone line cord which is supplied with the machine. If you are replacing it with the other vendor's part, it should be minimum AWG #26 or larger gage.

Notices

Attention

Telephone Line Interruption

A continuous land-based phone line connection is required for DIRECTV® Pay Per View functionality and DIRECTV subscriptions. Any calls generated by the DIRECTV® Receiver are toll free. These calls are typically made in the middle of the night; your phone is in use for approximately 30 seconds.

NOTE 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 to 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 the 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.

Trademark and copyright statements

©2004 DIRECTV, Inc. DIRECTV and the Cyclone Design logo are registered trademarks of DIRECTV, Inc. All other trademarks and service marks are the property of their respective owners.

Macrovision Information

This equipment incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology is granted by Macrovision for home and other limited DBS IRD pay per view uses only. Reverse engineering or disassembly is prohibited.

Program Recording Restrictions

All other taping is expressly prohibited. Some programming may not be taped. An additional taping fee may be applied. Call your program provider for details.

Owner's Record

The model number, serial numbers and Receiver ID are located on the rear panel of the DIRECTV® Receiver. The number for the Access Card is on the back of the card and on the carton label. Record these numbers for reference when calling your sales or service representative regarding this product.

Model Number: _____

Serial Number: _____

Access Card Number: _____

Receiver ID: _____

Customer Support

For DIRECTV® Programming

For subscription information, or to resolve problems related to programming, call: DIRECTV at 1-800-DIRECTV (1-800-347-3288) or visit the DIRECTV Web site (DIRECTV.com).

For Installation

To arrange for the installation of your DIRECTV® Receiver, call the dealer from whom you purchased your system.

For Hardware

To resolve problems related to this DIRECTV® Receiver, call DIRECTV customer support at 1-800-347-3288.

Limited 90 Day Warranty

DIRECTV warrants your DIRECTV® Receiver (Model Number: D10-200) and any included accessories against defects in material or workmanship for a period of ninety (90) days after the date of purchase.

WHO IS COVERED?

You must have proof of purchase to receive warranty service. A sales receipt or other document showing that you purchased the product is considered proof of purchase. THIS LIMITED WARRANTY EXTENDS ONLY TO THE ORIGINAL CONSUMER PURCHASER OR ANY PERSON RECEIVING THE DIRECTV® RECEIVER AS A GIFT FROM THE ORIGINAL CONSUMER PURCHASER AND TO NO OTHER PURCHASER OR TRANSFEREE. THIS WARRANTY DOES NOT EXTEND TO COMMERCIAL USERS. THIS PRODUCT IS NOT AUTHORIZED FOR USE OUTSIDE THE UNITED STATES AND ANY SUCH USE VOIDS THIS WARRANTY.

WHAT IS COVERED?

Warranty coverage begins the day you purchase the product. For ninety (90) days from the purchase date, at the option of DIRECTV, the DIRECTV® Receiver will be repaired or replaced with a new, repaired, refurbished or comparable product (whichever is deemed necessary) if it becomes defective or inoperative. This exchange is done without charge to you for parts and labor. You will be responsible for the cost of shipping to and from the location designated by DIRECTV. If DIRECTV cannot reasonably repair or replace the Receiver then DIRECTV may, at its sole discretion, refund the price you paid for the product or the current retail price of the product. All products, including replacement products, are covered only for the original warranty period. When the warranty on the original product expires, the warranty on the replacement product also expires. After ninety (90) days from the date of purchase, you pay for the replacement of all parts, and for all labor charges. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

WHAT IS EXCLUDED?

Your warranty does NOT cover:

- Labor charges for installation or setup of the product.
- Installation, performance of, or repair of: audio/video cabling, telephone line, or accessory attachments used with the product.
- Product replacement because of misuse, accident, lightning damage, unauthorized repair, or other cause not within the control of DIRECTV.
- Incidental or consequential damages resulting from the product. SOME STATES DO NOT ALLOW THE EXCLUSION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE EXCLUSION MAY NOT APPLY TO YOU.
- Any modifications or other changes to the product, including but not limited to software or hardware modification in any way other than as expressly authorized by DIRECTV will void this limited warranty. Except in the case of hardware or software provided by DIRECTV, installing software modifications “hacks” or utilizing service access or “back doors” will void this limited warranty.

- Reception transmission problems caused by signal conditions, telephone line, or cable or antenna systems outside the unit.
- A product that has been modified or adapted to enable it to operate in any country other than the country for which it was designed, manufactured, approved and/or authorized, or repair of products damaged by these modifications.
- A product used for commercial or institutional purposes.
- DIRECTV makes no warranty that the access connection will be a local (not long distance) phone call.
- The continued provisioning of any of the programming and other services delivered through the Receiver including but not limited to television programming, show information, program guide data, and scheduling information.

MAKE SURE YOU KEEP...

Please keep your sales receipt or other document showing proof of purchase. Attach it to this User Guide and keep both nearby. Also keep the original box and packing material in case you need to return your product.

BEFORE REQUESTING REPAIR SERVICE...

Please check the troubleshooting section of this guide. This may save you a call to DIRECTV Customer Care.

TO GET WARRANTY SERVICE...

Warranty service will be provided by DIRECTV. If you believe you need service for your Receiver, contact DIRECTV at 1-800-DIRECTV (347-3288). A representative will go through a diagnostic checklist with you. If it is determined that the product needs to be returned for service or exchanged, you will receive a return authorization number. The representative will give you complete shipping details.

TO GET OUT-OF-WARRANTY SERVICE...

To obtain out-of-warranty service contact DIRECTV at 1-800-DIRECTV (347-3288) for information on the possibility of and any costs for repair or replacement of out-of-warranty products.

REMEMBER...

Record the model and serial numbers found on the product below.

MODEL # _____

SERIAL # _____

ALL WARRANTIES IMPLIED BY LAW, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY LIMITED TO THE DURATION OF THIS EXPRESS LIMITED WARRANTY. WITH THE EXCEPTION OF ANY WARRANTIES IMPLIED BY THE LAW OF ANY STATE OF THE U.S.A., THIS EXPRESS LIMITED WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, GUARANTEES, AGREEMENTS AND SIMILAR OBLIGATIONS OF DIRECTV. REPAIR OR REPLACEMENT AS PROVIDED IN THIS LIMITED WARRANTY IS THE EXCLUSIVE REMEDY UNDER THIS LIMITED WARRANTY. IN NO EVENT WILL DIRECTV BE LIABLE FOR ANY AMOUNT GREATER THAN THE RETAIL PRICE OF THE DIRECTV® RECEIVER. DIRECTV SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THE DIRECTV® RECEIVER. SOME STATES DO NOT ALLOW LIMITATIONS ON WARRANTIES, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU MAY HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

DIRECTV, Inc.
2230 E. Imperial Hwy
El Segundo, CA 90245
1-800-DIRECTV (347-3288)

FCC Information

Declaration of Conformity—Standards to which Conformity is declared: FCC Part 15
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. Responsible Party:

DIRECTV, Inc.
2230 E. Imperial Hwy
El Segundo, CA 90245
1-800-DIRECTV (347-3288)

- Trade Name: DIRECTV
- Type of Equipment: DIRECTV® Receiver
- Model Number: D10-200

Federal Communications Commission (FCC): This equipment complies with both Part 15 and Part 68 of the FCC rules. Your DIRECTV® Receiver complies 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 removing and applying power to the equipment, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving satellite dish antenna.
- Increase the separation between the equipment and the DIRECTV® Receiver.
- Connect the equipment into an outlet on a circuit different from that to which the DIRECTV® Receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help. The user may find the following booklet, prepared by the Federal Communications Commission, helpful: "How to Identify and Resolve Radio and TV Interference Problems." This booklet is available from the U.S. Government Printing Office, Washington, DC. To meet FCC requirement, only peripherals (computer input/output devices, terminals, printers, etc.) certified to comply with Class B limits may be attached to this device. Operation with non-certified peripherals is likely to result in interference to radio and TV reception. To meet FCC requirements, shielded cables are required to connect the device to a personal computer, peripheral, or other Class B certified device. This equipment complies with Part 68 of the FCC Rules and the requirements adopted by ACTA. On the back of this equipment is a label that contains a product identifier in the format US:AAAEQ##TXXXX. If requested, this information must be provided to your 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 ACTA. A compliant telephone cord and modular 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 REN is used to determine the number of devices that may connect 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 your local telephone company. The REN for this product is part of the product identifier that has the format US:AAAEQ##TXXXX. The digits represented by ## are the REN without the decimal point (e.g., 03 is a REN of 0.3). If this DIRECTV® Receiver 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 complaint 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 proper functioning of your equipment. If they do, you will be notified in advance in order for you to make necessary modifications to maintain uninterrupted service. If trouble is experienced with this unit, for repair or warranty information, please contact DIRECTV Customer Care at the address and phone number listed below. If the equipment is causing harm to the network, the telephone company may request that you disconnect the equipment until the problem is resolved.

DIRECTV, Inc.
2230 E. Imperial Hwy
El Segundo, CA 90245
1-800-DIRECTV (347-3288)

DO NOT DISASSEMBLE THIS EQUIPMENT. It does not contain any user-serviceable components. We recommend the installation of an AC surge arrester in the AC outlet to which this equipment is connected. Telephone companies report that electrical surges, typically lightning transients, are very destructive to customer terminal equipment connected to AC power sources.

DIRECTV PROTECTION PLAN

Protect your DIRECTV® System with the DIRECTV PROTECTION PLAN. For a low monthly fee, the DIRECTV PROTECTION PLAN covers all the components of your DIRECTV System, giving you peace of mind and comprehensive support to ensure that you and your family enjoy nonstop DIRECTV® entertainment.

DIRECTV PROTECTION PLAN BENEFITS

Your DIRECTV Limited Warranty provides certain remedies for this receiver during the stated coverage term. The DIRECTV PROTECTION PLAN provides comprehensive coverage for your entire DIRECTV System, including:

- In home service calls when needed
- Power surge related repairs
- Cables, switches, and associated wiring throughout home
- Dish antenna realignments
- Receiver replacements *including advanced product*
- Defective remote control replacements
- 24-hour Technical Support
- All parts and labor for repair

Get ALL THAT FOR JUST \$5.99 a month for accounts with standard DIRECTV Receivers and only \$7.99 a month for accounts with DIRECTV® DVR, DIRECTV HD Receivers, or DIRECTV Receivers with UltimateTV Service. This one low monthly fee covers every DIRECTV component and receiver on your account.

SIGN UP FOR THE DIRECTV PROTECTION PLAN TODAY

If you have standard DIRECTV Receiver(s), visit DIRECTV.com and SIGN IN using the simple steps below or call 1-800-DIRECTV.

1. SIGN IN with your user name and password, or click on the "Register now" link and go through the easy steps, then continue with Step 2.
2. SELECT Option B, and then click the "Next" button at the bottom of the page.
3. SCROLL down to Step 3 (Add Additional Services) and SELECT "DIRECTV PROTECTION PLAN," then CLICK on the "Next" button.
4. REVIEW your change and CLICK on the "Accept These Changes" button.

If you have a DIRECTV® DVR, DIRECTV HD Receiver, or DIRECTV Receiver with UltimateTV Service, please call 1-800-DIRECTV to sign up.

The DIRECTV PROTECTION PLAN is offered by AIG Warranty Guard and underwritten by New Hampshire Insurance Company on behalf of DIRECTV where authorized by law. Certain limitations apply. Full terms and conditions will be mailed to you prior to service billing and are available at DIRECTV.com.

*A fee of \$49 for standard IRD equipment, \$249 for DIRECTV DVR or Ultimate TV equipment, or \$400 for HD equipment will be charged to your DIRECTV bill if the defective equipment that we are replacing for you is not returned within 30 calendar days. The plan will provide a return box for the defective equipment and even pick up the shipping costs. You'll receive replacement equipment in about 72 hours.

Chapter 1: Getting started	14
Box contents	14
Front panel controls and lights	15
Back of the DIRECTV® Receiver	16
Installing the batteries in the remote control	17
Inserting the Access Card	18
Chapter 2: Setting up and connecting	19
Before making connections	19
Jacks and cables	20
Connecting your DIRECTV® Receiver	22
Turning on the DIRECTV® Receiver for the first time	32
Memorizing Channels	32
Acquiring the correct dish pointing angles	33
Checking the satellite signal strength	34
Setting the dish type	35
Using Auto Detection to set the dish type	36
Testing the DIRECTV® Receiver	37
Testing the Signal Strength	38
Activating your DIRECTV account	39
Upgrades	39
Chapter 3: Watching TV	40
Remote control overview	40
Changing channels	42
Adjusting the volume	42
Getting information on the TV program you are watching	42
Finding out what's on: the Guide	45
Searching for programs	48
Choosing an alternate audio format for a program	50
Pay per view programs	51
Chapter 4: Program reminders	56
Scheduling program reminders	56
Reviewing and modifying reminders	57

Chapter 5: User profiles	58
User profiles basics	58
Editing user profile names	59
Editing channel lists	60
Setting ratings limits	61
Allowing or blocking pay per view purchases	65
Setting a pay per view spending limit	66
Setting the screen color and translucency	67
Setting the current user profile	67
Locking and unlocking your DIRECTV® System	68
Chapter 6: Settings, preferences, and upgrades	69
Reading your mail	69
Setting system preferences	70
Reviewing and controlling Caller ID	73
Setting the Local Time options	75
Installing a new Access Card	76
Viewing important information and a list of features supported by your DIRECTV® Receiver	77
Viewing information on automatic system upgrades	77
Testing the DIRECTV® Receiver	77
Chapter 7: Programming the remote control	78
Programming the remote control	78
Operating a device with your programmed remote control	81
Code lists	82
Appendix: Troubleshooting and specifications	88
Troubleshooting	88
Specifications	90

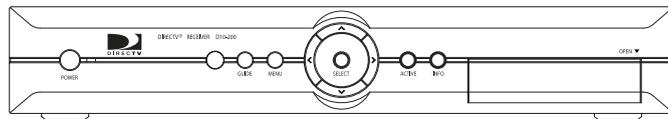
Chapter 1: Getting started

This chapter tells you everything you need to know before you start setting up and using your DIRECTV® Receiver. It includes information on:

- Box contents
- Front panel controls and lights
- Back of the DIRECTV® Receiver
- Installing the batteries in the remote control
- Inserting the Access Card

Box contents

Welcome! The first step in setting up your DIRECTV® Receiver is to unpack the box and familiarize yourself with its contents. If you are missing any items, contact your dealer.



< DIRECTV® Receiver >



Owner's manual



AA
batteries



RJ-11
Telephone cord



Access Card



Remote control



S-Video cable

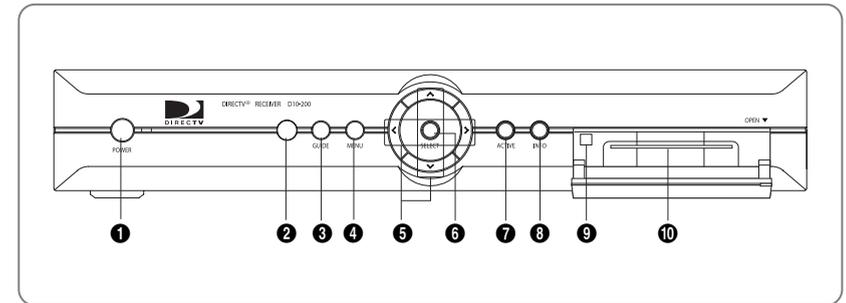


A/V cable



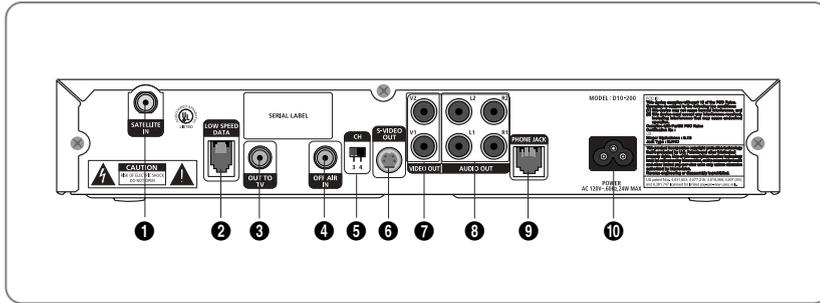
Power cord

Front panel controls and lights



- 1 POWER**
Turns your receiver on and Standby.
- 2 Remote Control Sensor**
Point your remote control at this sensor when operating your receiver.
- 3 GUIDE**
Displays the on-screen Program Guide.
- 4 MENU**
Displays the Main Menu.
- 5 UP/DOWN, LEFT/RIGHT**
These buttons navigate left, right, up, or down in the on-screen Guide and menu system.
- 6 SELECT**
Selects a highlighted item in the on-screen Guide and menu system.
- 7 ACTIVE**
Push this button to search for a program.
- 8 INFO**
Displays TV program information.
- 9 RESET**
Resets your Receiver.
- 10 Access Card slot**
This slot holds the Access Card (which allows you to view DIRECTV® programming).

Back of the DIRECTV® Receiver



1 SATELLITE IN

The RG-6 cable from the satellite dish connects to this jack.

2 LOW SPEED DATA

Service only. (Not available to users)

3 OUT TO TV

Using an RF coaxial cable, this jack connects the DIRECTV Receiver to your TV or VCR.

4 OFF AIR IN

The cable from an off-air TV antenna (not from the satellite dish) connects to this jack.

5 CH 3, 4 Switch

This switch sets the channel for viewing the TV Out signal on your TV.

6 S-VIDEO OUT

This jack connects your DIRECTV Receiver to a TV or VCR that accepts S-Video input.

7 VIDEO OUT

Using a standard video cable, this jack connects your DIRECTV Receiver to your TV or VCR.

8 AUDIO OUT

Using standard stereo audio cables, these jacks connect the DIRECTV Receiver to your TV or VCR.

9 PHONE JACK

A telephone line connected to this jack allows you to order pay per view programming.

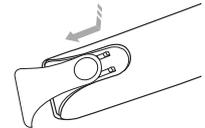
10 POWER

This jack plugs in the AC mains power cord. The input AC voltage range is 120V-, 60Hz supply.

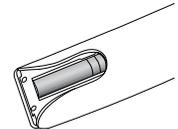
Installing the batteries in the remote control

You've unpacked the receiver and reviewed its front and back panels. Now it's time to start setting up. The first step is to install the batteries in your remote control.

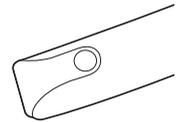
- 1 Unlatch the battery compartment cover on the back of remote control.



- 2 Insert 2 AA batteries as shown, making sure the + and - ends of each battery line up with the corresponding marks in the battery compartment.



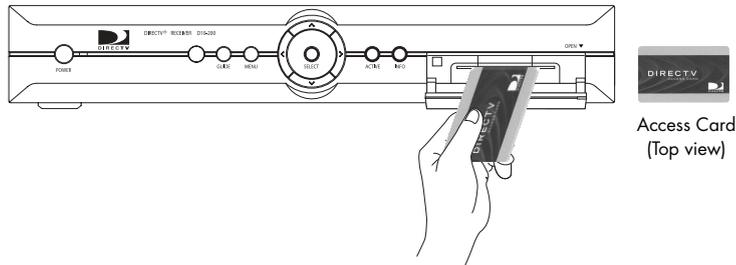
- 3 Snap the cover back onto the remote control.



Inserting the Access Card

The next step is to insert your Access Card into your receiver. (You will not be able to view DIRECTV® programming unless the Access Card is properly inserted into the DIRECTV® Receiver.) For some receivers, the card may already be inserted when you unpack the box.

- 1 Locate the ACCESS CARD slot. The slot is located on the front of the DIRECTV® Receiver.
 - 2 Insert the Access Card. Make sure the side with the bar code is facing down, and the arrow is pointing away from you.
- The Access Card should only be removed when replacing the card with a new one provided by DIRECTV or your program provider.



Chapter 2: Setting up and connecting

This chapter explains how to setup and start using your DIRECTV® Receiver. Contents include:

- Before making connections
- Jacks and cables
- Connecting your DIRECTV® Receiver
- Turning on the DIRECTV® Receiver for the first time
- Memorizing Channels
- Acquiring the correct dish pointing angles
- Checking the satellite signal strength
- Setting the dish type
- Using Auto Detection to set the dish type
- Testing the DIRECTV® Receiver
- Testing the Signal Strength
- Activating your DIRECTV account
- Upgrades

Before making connections

The next step is to make the necessary connections. Before you begin, please note the following important safety and setup tips.

Protect your components from power surges

- Always turn off and unplug your DIRECTV® Receiver, TV, and any other components before connecting or disconnecting any of the cables.

Position all cables correctly to avoid audio hum or interference

- After connecting the components, please run the audio/video cables along the side of the TV set, rather than straight down the back of the TV.
- Make sure that all cables are plugged or screwed tightly into their jacks.
- Please make sure that all antennas and cables are properly grounded.
- Whenever possible, route audio and video cables away from power cords.

Protect your components from overheating

- Do not block ventilation holes in the top of the DIRECTV® Receiver, or any other components. Make sure to position the components so that air can circulate freely.
- If you are positioning the components in a stand or rack, make sure to allow for proper ventilation.
- Do not stack components.
- If you have a stereo amplifier or receiver as a system component, please place it on the top shelf or top rack so that hot air rising from it will not flow around other components.

Make strong connections

- Make sure you securely connect cables when making connections. When a tight fit makes a secure connection difficult, you can sometimes make it easier by gently twisting the cable-end while pushing it onto the jack. (Important: never twist S-Video — it has specially shaped ends that must be correctly oriented before connecting.)

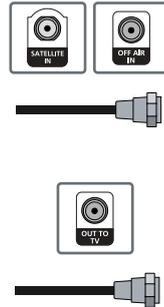
Jacks and cables

The illustrations in this section show the various types of jacks and cables used to connect your DIRECTV® Receiver.

ANTENNA terminals (cable not included)

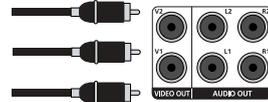
Use OFF-AIR IN terminals to receive a signal from VHF/UHF antennas or your cable system using an RG-6 coaxial cable. SATELLITE IN terminals can be used to connect Satellite dish input.

Connect the coaxial cable to the Antenna In jack on your TV and to the TV OUT jack.



Audio/Video out jacks and cables (RCA-type)

Use these jacks and cables to connect your receiver to a TV, VCR, or to other components such as a stereo receiver or amplifier. The Video out jacks provide a basic quality composite video signal using RCA-type cables. Audio jacks can be used to connect the DIRECTV® Receiver to an A/V receiver. The audio/video jacks on the back of the receiver and the audio/video cable connectors are color coded (yellow for video, red for right audio, and white for left audio).



Telephone jack and cord

The Phone Line jack and the included telephone cord connect your DIRECTV® Receiver to a phone line. If your home does not have RJ-11 type phone jacks, please contact your phone company to get one installed. A continuous land-based phone line connection is required for DIRECTV® Pay Per View functionality and DIRECTV subscriptions. Any calls generated by the DIRECTV® Receiver are toll-free. These calls are typically made in the middle of the night; your phone is in use for approximately 30 seconds.



S-Video jack and cable

S-Video cables and jacks are used to connect to TVs, VCRs, and other video devices equipped with S-Video input jacks. S-Video connections provide a high-quality TV picture (better than RCA-type A/V jacks and cables). S-Video connectors must be correctly aligned before you can plug in the cable. Maximum resolution via this jack is 480i. (This cable carries the video signal only; use with audio cables for the audio signal.)



Connecting your DIRECTV® Receiver

Your DIRECTV Receiver supports a variety of connection possibilities to ensure that it is compatible with whatever type of TV, VCR, or A/V receiver you might have.

This manual describes five different setup possibilities in detail. The one that is right for you depends on what type of A/V equipment you have in addition to your DIRECTV Receiver. To get the best audio and video possible with your particular set of A/V equipment, use these pages to choose the connection option that most closely matches your situation.

Option A: DIRECTV Receiver to TV with RF cable only

Option A is the most simple setup option. If you are not planning on using a VCR and your TV has no A/V connectors, use this option. (See page 23 for details)

Option B: DIRECTV Receiver to TV with A/V cables

Option B is also for people not planning on using a VCR, but this option improves the sound and video quality by making the connections using A/V cables. If you are not planning to use a VCR, but your TV does have RCA-type A/V input jacks, use connection Option B. (See page 24 for details)

Option C: DIRECTV Receiver to TV and VCR with RF cables only

Option C is the simplest connection option that includes a VCR. If you want to connect your DIRECTV Receiver to a TV and VCR, and your TV or VCR does not have A/V jacks, use connection Option C. (See page 26 for details)

Option D: DIRECTV Receiver to TV and VCR with A/V cables

Option D also allows you to connect the DIRECTV Receiver to a TV and VCR, but Option D provides improved sound and video quality over Option C. If you are planning to connect your DIRECTV Receiver to a TV and VCR which both have A/V jacks, use connection Option D. (See page 28 for details)

Option E: DIRECTV Receiver to TV and A/V receiver

Option E shows you how to connect the DIRECTV Receiver to an A/V system that includes an A/V receiver. If you plan to use an A/V receiver with your DIRECTV Receiver and TV, use connection Option E. (See page 30 for details)

Connection option A:

DIRECTV Receiver to TV with RF cable only

If connection option A best matches your needs, follow these steps:

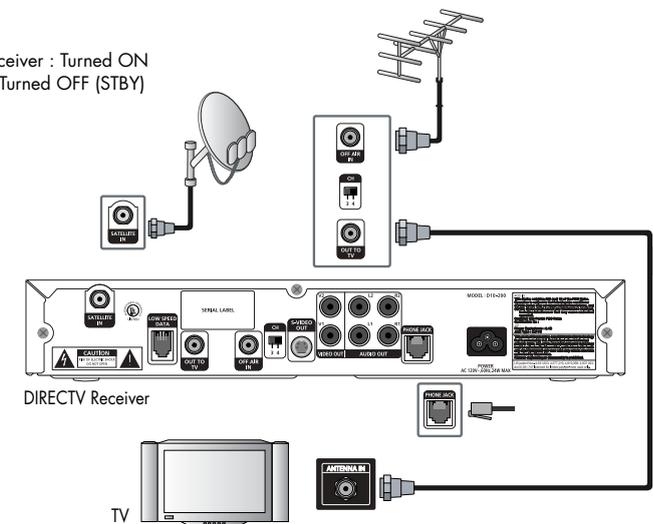
- 1 Make sure your TV and DIRECTV Receiver are turned off and unplugged.
- 2 Connect the RG-6 coaxial cable running from your satellite dish to the SATELLITE IN jack on the back of your DIRECTV Receiver.
- 3 Connect the coaxial cable running from your cable TV system or off-air TV antenna to the OFF-AIR IN jack on the back of the DIRECTV Receiver.
- 4 Connect the supplied phone cord to a telephone wall jack and to the Phone Line jack on the back of the DIRECTV Receiver.
- 5 (Optional) Connect the coaxial cable to the Antenna In jack on your TV and to the TV OUT jack on the back of the DIRECTV Receiver.
- 6 Plug in the power cords for your DIRECTV Receiver and TV.

To watch DIRECTV® programming

To watch DIRECTV® programming, tune your TV to channel 3 or 4 (depending on the position of the CH 3/4 switch on the back of your DIRECTV Receiver). Channel 3 is the default setting.

NOTE

DIRECTV Receiver : Turned ON
Ant signal : Turned OFF (STBY)

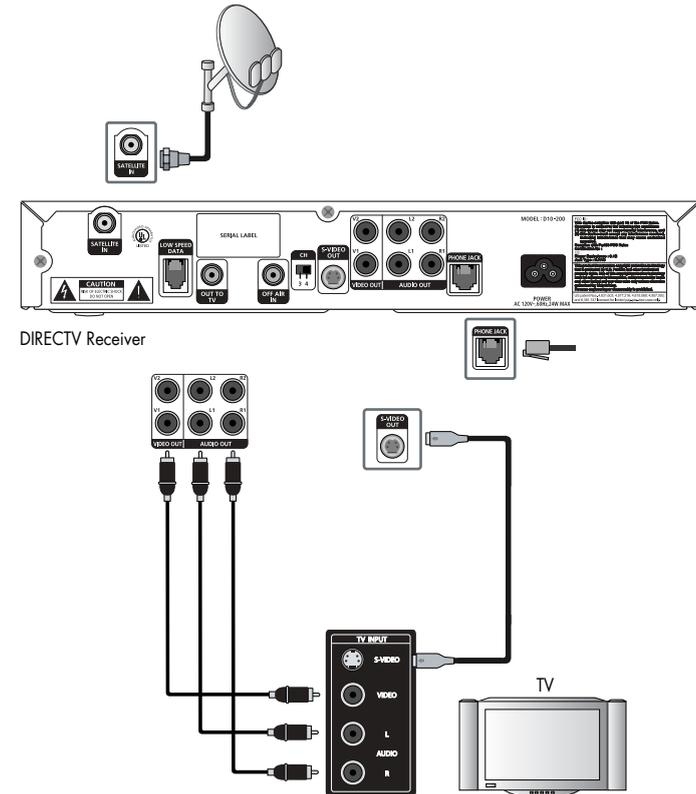


Connection option B:**DIRECTV Receiver to TV with A/V cables****If connection option B best matches your needs, follow these steps:**

- 1 Make sure your TV and DIRECTV Receiver are turned off and unplugged.
- 2 Connect the RG-6 coaxial cable running from your satellite dish to the SATELLITE IN jack on the back of your DIRECTV Receiver.
- 3 Connect the supplied phone cord to a telephone wall jack and to the Phone Line jack on the back of the DIRECTV Receiver.
- 4 Matching like colors, connect the supplied A/V cable to the AUDIO OUT and VIDEO OUT jacks on the back of the DIRECTV Receiver.
- 5 Connect the other ends of the A/V cables to the audio and video input jacks on your TV. Be sure to connect the outputs on the DIRECTV Receiver to corresponding inputs on your TV (video out to video in, left audio out to left audio in, right audio out to right audio in).
- 6 (Optional) if your TV has an S-Video input jack, connect one end of an S-Video cable to the S-VIDEO jack on the back of the DIRECTV Receiver. Connect the other end of this cable to the S-Video In jack on the back of your TV. This step is optional; it provides improved picture quality on some TVs.
- 7 Plug in the power cords for your DIRECTV Receiver and TV.

To watch DIRECTV® programming

Set your TV to the appropriate input mode. This is a setting on your TV usually controlled by a Video, Input, or Mode button. See the manual for your TV for instructions.

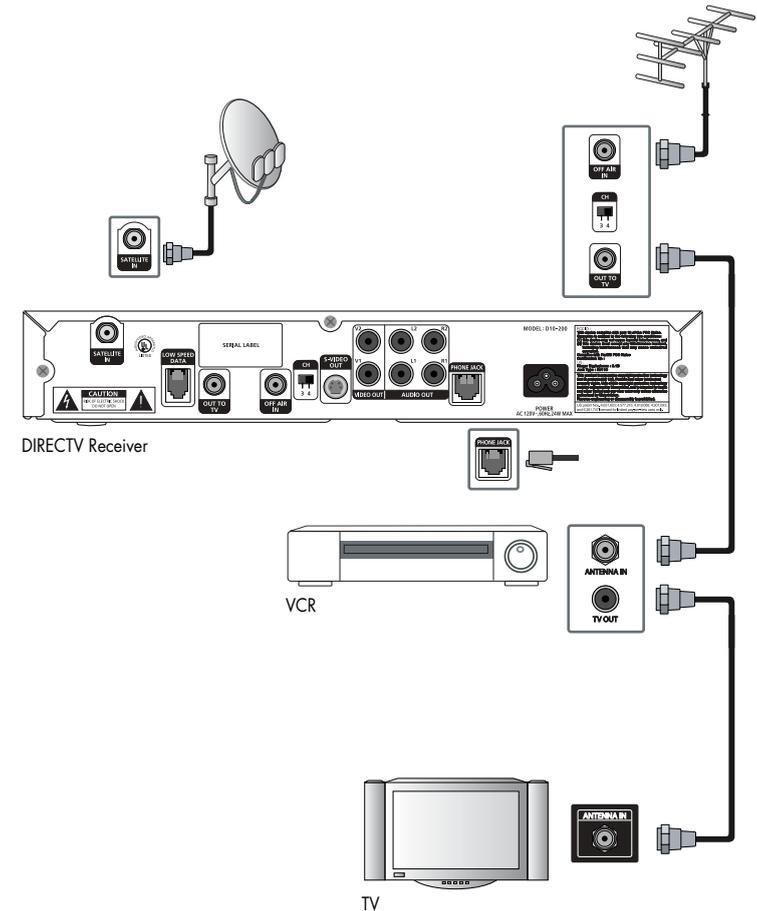


Connection option C:**DIRECTV Receiver to TV and VCR with RF cables only****If connection option C best matches your needs, follow these steps:**

- 1 Make sure your TV, VCR, and DIRECTV Receiver are turned off and unplugged.
- 2 Connect the RG-6 coaxial cable running from your satellite dish to the SATELLITE IN jack on the back of your DIRECTV Receiver.
- 3 Connect the coaxial cable running from your cable TV system or off-air TV antenna to the OFF-AIR IN jack on the back of the DIRECTV Receiver.
- 4 Connect the supplied phone cord to a telephone wall jack and to the Phone Line jack on the back of the DIRECTV Receiver.
- 5 Connect one end of the coaxial cable to the TV OUT connector on the back of the DIRECTV Receiver. Connect the other end of this cable to the Antenna In jack on your VCR.
- 6 Connect one end of another coaxial cable (not included) to the TV OUT RF jack on the back of your VCR. Connect the other end of this cable to the Antenna In jack on the back of your TV.
- 7 Plug in the power cords for your DIRECTV Receiver and TV.

To watch DIRECTV® programming

With your VCR in TV mode or powered off, tune your TV to channel 3 or 4 (depending on the position of the CH 3/4 switch on the back of your DIRECTV Receiver). Channel 3 is the default setting. The position of the CH 3/4 switch on your DIRECTV Receiver should match the setting of the similar CH 3/4 switch on your VCR.

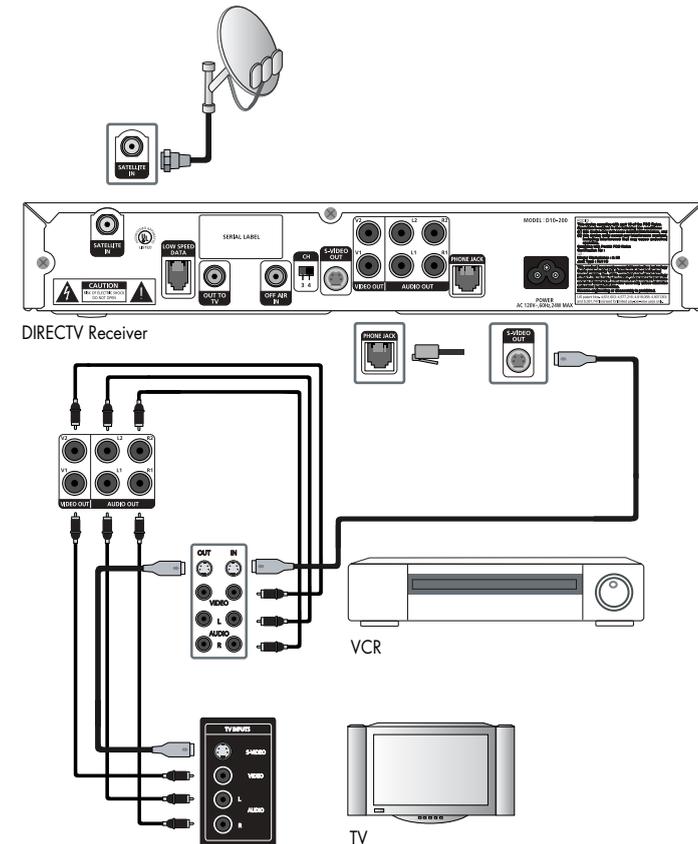


Connection option D:**DIRECTV Receiver to TV and VCR with A/V cables****If connection option D best matches your needs, follow these steps:**

- 1 Make sure your TV, VCR, and DIRECTV Receiver are turned off and unplugged.
- 2 Connect the RG-6 coaxial cable running from your satellite dish to the SATELLITE IN jack on the back of your DIRECTV Receiver.
- 3 Connect the supplied phone cord to a telephone wall jack and to the Phone Line jack on the back of the DIRECTV Receiver.
- 4 Matching like colors, connect the supplied A/V cables to the AUDIO OUT and VIDEO OUT jacks on the back of the DIRECTV Receiver.
- 5 Connect the other ends of these A/V cables to the audio and video input jacks on your VCR. Be sure to connect the A/V jacks on the DIRECTV Receiver to corresponding inputs on your VCR (video out to video in, left audio out to left audio in, right audio out to right audio in).
- 6 Matching like colors, connect another set of A/V cables (not included) to the other set of audio and video output jacks on the back of the DIRECTV Receiver. Connect the other ends of these cables to the audio and video input jacks on your TV. Be sure to connect the outputs on the DIRECTV Receiver to corresponding inputs on your TV.
- 7 (Optional) if your TV and VCR both have S-Video jacks, you can also make the S-Video connections shown in the illustration. This step is optional; it provides improved picture quality.
- 8 Plug in the power cords for your TV, VCR, and DIRECTV Receiver.

To watch DIRECTV® programming

Set your TV to the appropriate input mode. (This is a setting on your TV usually controlled by a Video, Input, or Mode button. See your TV manual for help.) Also make sure your VCR is turned on.

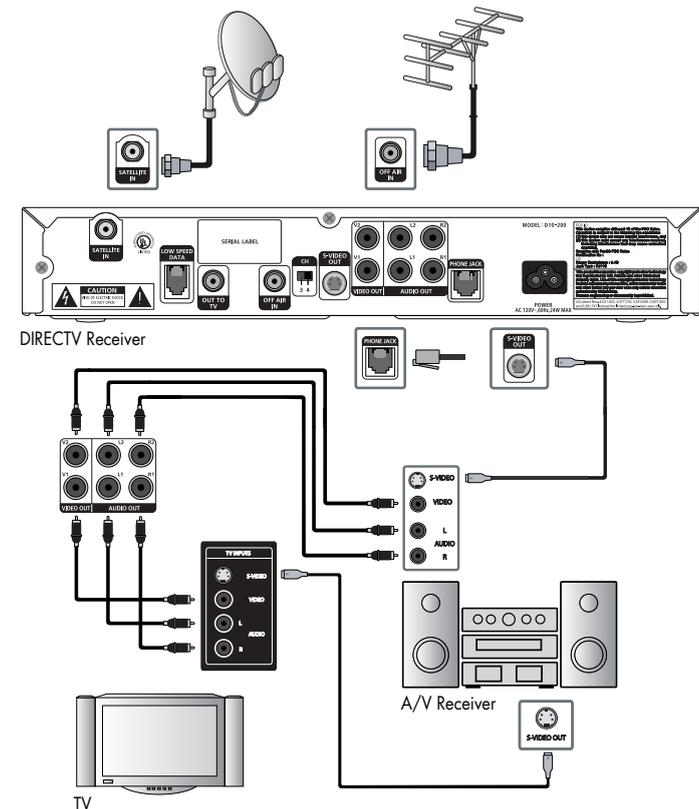


Connection option E:**DIRECTV Receiver to TV and A/V receiver****If connection option E best matches your needs, follow these steps:**

- 1 Make sure your TV, A/V receiver, and DIRECTV Receiver are turned off and unplugged.
- 2 Connect the RG-6 coaxial cable running from your satellite dish to the SATELLITE IN jack on the back of your DIRECTV Receiver.
- 3 Connect the coaxial cable running from your cable TV system or off-air TV antenna to the OFF-AIR IN jack on the back of the DIRECTV Receiver.
- 4 Connect the supplied phone cord to a telephone wall jack and to the Phone Line jack on the back of the DIRECTV Receiver.
- 5 Matching like colors, connect the supplied A/V cable to the AUDIO OUT and VIDEO OUT jacks on the back of the DIRECTV Receiver.
- 6 Connect the other ends of the A/V cables to appropriate audio and video input jacks on your A/V receiver. Be sure to connect the outputs on the DIRECTV Receiver to corresponding inputs on your A/V receiver (video out to video in, left audio out to left audio in, right audio out to right audio in).
- 7 Connect another set of A/V cables (not included) to the second set of audio and video output jacks on the back of the DIRECTV Receiver.
- 8 Connect the other ends of these A/V cables to the appropriate audio and video input jacks on your TV. Be sure to connect the outputs on the DIRECTV Receiver to corresponding inputs on your TV.
- 9 (Optional) if your TV and A/V receiver both have S-Video jacks, you can also make the S-Video connections shown in the illustration. This step is optional; it provides improved picture quality.
- 10 Plug in the power cords for your TV, A/V receiver, and DIRECTV Receiver.

To watch DIRECTV® programming

Set your A/V receiver and TV to the appropriate input mode. See the manuals for your A/V receiver and TV for instructions.)

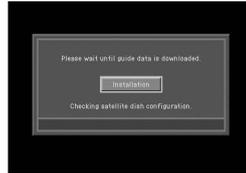


Turning on the DIRECTV® Receiver for the first time

You have completed the connection steps and are ready to start using your DIRECTV® Receiver. The first step is to turn on the DIRECTV® Receiver.

1 Turn on your TV and set it to display the signal from your DIRECTV® Receiver. If you connected the DIRECTV® Receiver to video input jacks on your TV, you will need to set your TV to display the input from these jacks. Usually this is done by pressing a Video, Input, or Mode button on your TV's remote control. (See the manual for your TV if you need help.)

2 Press the PWR button on the DIRECTV Receiver's remote control or POWER on the front of the DIRECTV Receiver. If this is the first time you have turned on your DIRECTV® Receiver, it will take a few moments to acquire the program guide from the satellite. During this process, the Progress screen appears. When the program guide has been fully acquired, the Progress screen clears and the TV screen is displayed. You are ready to continue setting up your DIRECTV System.



Memorizing Channels

If your DIRECTV® Receiver is able to acquire the program guide and display TV programs, your satellite dish is setup and working. You can skip ahead to the section on Setting the dish type. If your DIRECTV® Receiver cannot acquire the program guide, and you intend to watch DIRECTV® programming, you may need to adjust the way your satellite dish is installed. To do this, first make sure your TV and DIRECTV® Receiver are turned on and connected to each other properly. Then follow the instructions below to use your DIRECTV® Receiver's Menu system to set up your satellite dish.

The Installation option in the Setup menu provides access to a variety of important setup controls. The first of these is the Set Dish menu. The Set Dish menu allows you to:

- Acquire the exact azimuth, elevation, and tilt angles to help you point your dish accurately based on your ZIP code.
- Check the setup of your satellite dish using an on-screen signal meter.
- Set the dish type (to tell your DIRECTV® Receiver what kind of satellite dish you are using).
- Set your dish type automatically.

The sections that follow detail each of these procedures.

Acquiring the correct dish pointing angles

The Dish Pointing menu item in the Set Dish menu allows you to find out exactly how to point your satellite dish by entering your ZIP code. If you have not yet successfully aligned your satellite dish, or if you need to realign it, follow these instructions to find the exact angles you should use to point your dish:

1 Press the MENU button on your remote control. The Main menu appears.

2 Highlight the Setup menu item, then press the SELECT button. The Setup menu appears.

3 Highlight the Installation menu item, then press the SELECT button. The Installation menu appears.

4 Highlight the Set Dish menu item, then press the SELECT button. The Set Dish menu appears.

5 Highlight the Dish Pointing menu item, then press the SELECT button. The Dish Pointing screen appears.

6 Use the right-arrow button on your remote control to highlight the space for the first digit in the ZIP code.



7 Use the 0 - 9 buttons on your remote control to enter your five-digit ZIP code. When you have entered all five digits, the screen updates to display the correct azimuth, elevation, and (for oval dish types only) tilt. Azimuth refers to the left-to-right angle to which you should point your dish. Elevation refers to the up-and-down angle to which you should point your dish. Tilt (for oval dishes only) refers to the amount off-horizontal you should twist the dish on its axis. Write down these numbers and use them to accurately point your satellite dish.

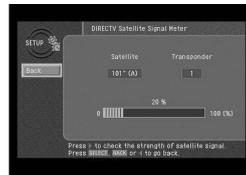
8 To return to the Set Dish menu, press the BACK button on your remote control. To exit the Menu system, press the EXIT button on your remote control.

Checking the satellite signal strength

The Signal Meter allows you to check the strength of the signal from the satellite to your satellite dish. This is useful while setting up your satellite dish, and while troubleshooting any reception problems you may encounter. Satellite signal strength can be affected by how accurately you have pointed the satellite dish, and by any obstructions between the satellite and the satellite dish (tree limbs, for example).

To check your satellite signal strength, follow these steps:

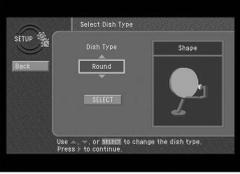
- 1 Press the MENU button on your remote control.
- 2 Highlight the Setup menu item, then press the SELECT button.
- 3 Highlight the Installation menu item, then press the SELECT button.
- 4 Highlight the Set Dish menu item, then press the SELECT button.
- 5 Highlight the DIRECTV Satellite Signal Meter menu item, then press the SELECT button. The DIRECTV Satellite Signal Meter screen appears. The signal meter starts checking the satellite signal strength immediately. The signal strength (from 0-to-100%) is indicated at the bottom of the screen. The DIRECTV Satellite Signal Meter screen allows you to check signal strengths from different Satellites, and different Transponders. Transponders are the equipment on satellites that receive the signal from the earth-based program providers and relay it back to earth to your satellite dish. Different transponders handle the signals for different TV channels. When setting up your satellite dish, you should try to maximize the signal strength across all of the satellites and transponders.
- 6 To check the signal strength for different transponders, highlight the on-screen Transponder option, then use the up- and down-arrow buttons to change the setting. The signal meter updates to show you the signal strength for the new transponder.



Setting the dish type

To function properly, your DIRECTV® Receiver needs to know what type of satellite dish you are using. You can specify the dish type using the instructions here, or you can follow the steps on page 36 to use the Auto Detection menu item to automatically set the dish type.

To manually set the dish type:

- 1 If the Progress screen (shown here) is on your TV screen, select Installation by pressing the SELECT button. If this screen is not displayed, access the Main Menu by pressing the MENU button on your remote control. Then use the arrow buttons on your remote control to highlight the Setup menu, and press the SELECT button. Then highlight the Installation menu, and press the SELECT button. The Installation menu appears.
- 
- 2 Highlight the Set Dish menu item, then press the SELECT button. The Set Dish menu appears.
 - 3 Highlight the Select Dish Type menu item, then press the SELECT button. The Select Dish Type screen appears.
 - 4 Use the right-arrow button on your remote control to highlight the Dish Type option on the Select Dish Type screen.
 - 5 Use the up- and down-arrow buttons on your remote control to display the dish type you are using (Round, Oval-2, Oval-3). As you display each dish type, the on-screen pictures update showing you what each of these dish types look like.
 - 6 A message appears warning you that your DIRECTV® Receiver needs to reboot (turn itself off and on) for the Dish Type setting to take effect. When you have displayed the correct dish type, use the right-arrow button on your remote control to highlight the on-screen SELECT button, then press the SELECT button.
 - 7 To change the Dish Type to the new setting, highlight the on-screen SELECT button, then press the SELECT button. To leave the Dish Type setting unchanged, highlight the on-screen Cancel button, and press the SELECT button.
- 
- 

After you select the on-screen SELECT button, the DIRECTV® Receiver will reboot.

Using Auto Detection to set the dish type

To function properly, your DIRECTV® Receiver needs to know what type of satellite dish you are using. You can specify the dish type using the instructions on page 35, or you can follow the steps below to use the Auto Detection menu item to automatically set the dish type. Before you can use Auto Detection to set the dish-type, the dish must be correctly aligned and the DIRECTV® Receiver must be receiving a strong signal from the satellite (that is, signal-lock must be established). To check the satellite signal, use the signal meter — see page 34 for details.

- 1 Press the MENU button on your remote control.
- 2 Highlight the Setup menu item, then press the SELECT button.
- 3 Highlight the Installation menu item, then press the SELECT button.
- 4 Highlight the Set Dish menu item, then press the SELECT button.
- 5 Highlight the Auto Detection menu item, then press the SELECT button.

The Auto Detection screen appears. The DIRECTV® Receiver starts attempting to identify the dish type. You can stop the detection process by pressing the left-arrow button or SELECT button.

Once the dish type has been identified, a screen appears telling you what type of satellite dish you have.

NOTE

The dish type detected could not be selected in the current menu. To change the dish type, refer to “Setting the dish type” on the previous page.

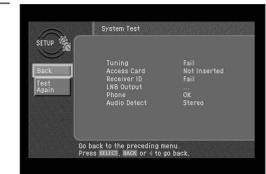


Testing the DIRECTV® Receiver

The System Test feature allows you to quickly check the status of the satellite signal, your Access Card, Receiver ID, LNB Output, your phone line Connection, Audio Detect, and LNB Voltage and connection. This is helpful while troubleshooting any problem you may experience with your DIRECTV® Receiver.

To start the System Test, follow these steps:

- 1 Press the MENU button on your remote control.
- 2 Highlight the Setup menu item, then press the SELECT button.
- 3 Highlight the System menu item, then press the SELECT button.
- 4 Highlight the System Test menu item, then press the SELECT button. The System Test screen appears. The test will begin as soon as the screen appears. Results are displayed in a moment. If the test discovers a problem with the satellite tuning, check that the satellite dish is pointed properly, and that nothing is obstructing the direct view to the satellite. If the test discovers a problem with the Access Card, check that the card is properly inserted. (See Inserting the Access Card in Chapter 1 for details.)



If the test discovers a problem with the Receiver ID, contact an authorized call center.

NOTE

The Receiver ID is printed on the rear panel of your receiver and consists of twelve digits.

If the test discovers a problem with the LNB output, check an antenna signal operates before contacting an authorized call center. For problems with the phone line connection, be sure that the DIRECTV® Receiver is connected to a phone line, and that the phone line is working. (Try plugging a telephone into the line you are using for the DIRECTV® Receiver; check to see if the phone gets a dial tone. If so, the line is working.)

Audio Detect is a routine that checks the cable connection of the audio output ports. “Stereo” is displayed when both left and right ports are connected, and “Mono” when either one of the ports or both is not connected.

- 5 When you have finished the System test, you can run the test again using the on-screen Test Again button, exit the Menu system by pressing the EXIT button on your remote control, or use the arrow keys to highlight on-screen BACK button, then press the SELECT button to return to the System menu.

Testing the Signal Strength

The DIRECTV Receiver shall have a matrix that shows the signal strength of all transponders per orbital position in one table. This matrix is in addition to showing the signal strength of each active transponder individually in the system setup menu.

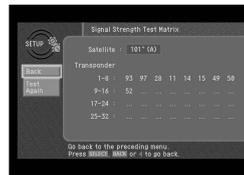
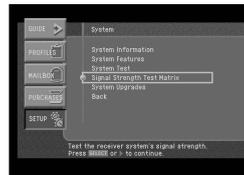
To start the Signal Strength test, follow these steps:

- 1 Press the MENU button on your remote control.
- 2 Highlight the Setup menu item, then press the SELECT button.
- 3 Highlight the System menu item, then press the SELECT button.
- 4 Highlight the Signal Strength Test Matrix item, then press the SELECT button. The Signal Strength Test Matrix screen appears. The test will begin as soon as the screen appears. Results are displayed in a moment.

NOTE

Transponders that are inactive shall have “n/a” in place of a signal strength number.

- 5 When you have finished the Signal Strength Test, you can run the test again using the on-screen Test Again button, exit the Menu system by pressing the EXIT button on your remote control, or use the arrow keys to highlight on-screen BACK button, then press the SELECT button to return to the System menu.



Activating your DIRECTV account

After you have installed and connected the the satellite dish and DIRECTV® Receiver, you must contact your service provider to create an account. To order programming from DIRECTV, please call 1-800-DIRECTV (1-800-347-3288). Check with your retailer or visit DIRECTV.com for information on availability of local channels from DIRECTV in your area. DIRECTV® programming is provided in accordance with the terms and conditions of the DIRECTV Customer Agreement, which is provided at DIRECTV.com or with your first DIRECTV bill. 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. Programming subject to change. You must be physically located in the U.S. to receive DIRECTV service. DIRECTV services not available 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.

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 the 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. Your receiver must be plugged in to receive any upgrades. Do not unplug your receiver while an upgrade is in progress. Please consult the System Upgrades menu item (in the System section of the Setup menu) to find a schedule of upgrades or modifications planned by DIRECTV.

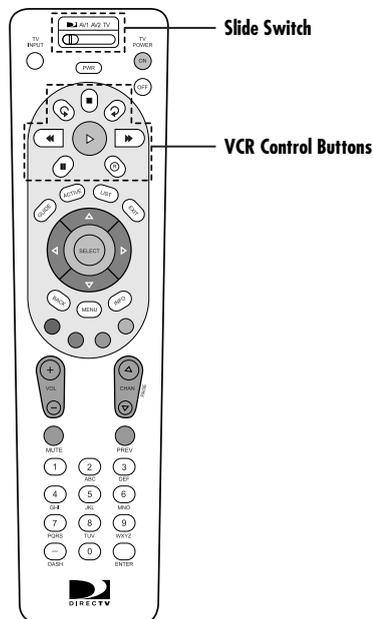
Chapter 3: Watching TV

This chapter covers all of the things you can do with the Program Guides and other features that let you control the way you watch TV. Specifically, it contains information on:

- Remote control overview
- Changing channels
- Adjusting the volume
- Getting information on the TV program you are watching
- Finding out what's on: the Guide
- Searching for programs
- Choosing an alternate audio format for a program
- Pay per view programs

Remote control overview

Here is a quick review of the buttons on your DIRECTV® Receiver's remote control. Before your DIRECTV Receiver's remote control can operate your TV, VCR, DVD player, or other device, you must first program the remote control to operate that device. See Chapter 7: Programming the remote control.



Slide Switch

Tells the current state of your remote control. Selects a target device to be controlled i.e., TV, VCR, DVD, DIRECTV. It works only after the remote control has been programmed.

TV INPUT

Press this button to switch the TV between its video input modes.

PWR

Turns the device you are controlling on or off.

TV POWER (ON/OFF)

Turn the TV Power on or off.

VCR Control buttons

Operate your VCR with the Play, Rewind, Fast-Forward.

GUIDE

Press to view the on-screen Program Guide.

ACTIVE

Press this button to search for a program listing in the Guide.

LIST

Displays the program reminder in the Timer.

EXIT

Exit any Guide or Menu screen and return to the TV program you were watching.

SELECT

Select highlighted items in the on-screen Menu or Guide.

Up/Down/Left/Right arrows

These buttons move the highlight to any on-screen Guide or Menu section.

BACK

Return to a previous menu.

MENU

Press this button to display the on-screen Menu.

INFO

Display the channel banner and information about the current program.

Color buttons

Not used in this model.

VOL +/-

Adjust the volume level of your TV (once the remote control has been programmed). You can control the volume when in TV or VCR model.

Channel/page up/down

Change channels on your DIRECTV Receiver or your TV. Also used to move page up or down.

MUTE

Press to temporarily cut off the sound.

PREV

Return to the channel you were last watching.

Number and delimiter buttons (0-9,-)

Press the number buttons to tune to a channel or to enter numbers on Menu screens. Press the delimiter button (-) to separate parts of a number.

ENTER

While using the on-screen menus, press ENTER to activate (or change) a particular item.

Changing channels

All available channels from any of these sources will appear in the Guide, and can be tuned in using the CHAN ▲/▼ buttons and the 0 - 9 number buttons on your remote control. The Channel Banners that appear on the screen as you change channels (or when you press the INFO button) indicate the signal type for the program you are watching. Satellite indicates the program on the current channel is being received through your satellite dish.

To change the channel you are watching:

- 1 Press the CHAN ▲ button on the remote control to tune to a higher channel number. Press the CHAN ▼ button to tune to a lower channel number.
- 2 Enter a channel number directly with the 0 - 9 number buttons. After entering a number, press the SELECT button or wait a few seconds for the system to tune to the new channel.

Adjusting the volume

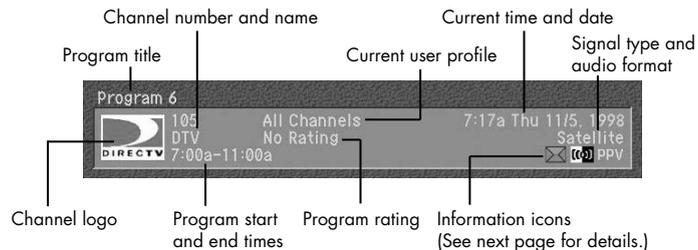
To adjust the volume while watching DIRECTV programming, you simply press the VOL + button on the remote control to increase the volume or the VOL - button to decrease the volume. In order for the DIRECTV® Receiver's remote control to adjust your TV's volume setting, you will have to program the remote control to operate your TV. (See Chapter 7: Programming the remote control.)

Getting information on the TV program you are watching

Your DIRECTV® Receiver provides several layers of information about the TV programs you watch.

The Channel Banner

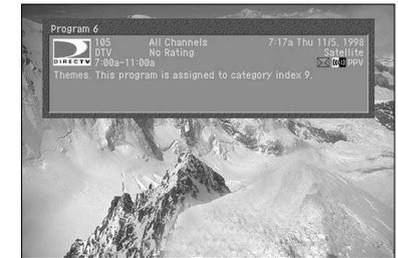
As you change channels you will see a Channel Banner on each channel you tune to. After a few seconds, the Channel Banner disappears. If you want to clear it right away, press the EXIT button on your remote control. The Channel Banner provides the following information:



The Full Channel Banner

The Channel Banner provides quick information as you button channels on your DIRECTV® Receiver. If you want to see information about the channel you are currently watching, simply press the INFO button on your DIRECTV® Receiver's remote control. Pressing the INFO button displays the Full Channel Banner.

The Full Channel Banner displays all the information in the Channel Banner, plus more details about the program. For example, the Full Channel Banner for a movie might display the category for the movie (drama, comedy, action/adventure, etc.), the cast, the year it was released, and a short description of the plot. You can clear the Full Channel Banner from your screen by pressing the EXIT button on your remote control.



Information icons

In addition to the basic channel and program information contained in the Channel Banners (program title, channel name, rating, etc.), there are a set of information icons. These icons tell you more about the program you are watching and about the status of your DIRECTV® Receiver. Here are descriptions of each icon:



Multi-language

This icon appears when additional audio tracks are available.



Locked

This icon appears when the system is locked.



Unlocked

This icon appears when the system is temporarily unlocked.



Mail

This icon appears when there are unread mail messages from DIRECTV in your system mailbox.



Music channel

This icon appears when the channel is a music-only channel.



Pay per view program

This icon appears when the program is a pay per view program.



Letterbox

This icon indicates that the current program is being broadcast using the letterbox widescreen video format.



All Day Ticket

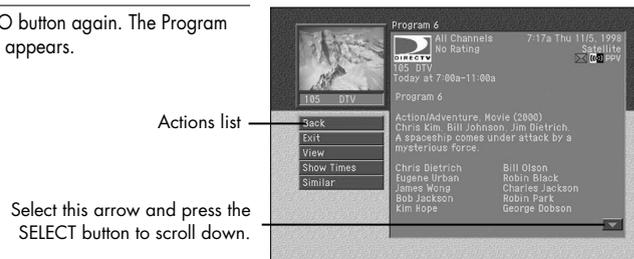
This icon will appear when you purchase All Day Ticket.

The Program Detail Screen

If you want to see more information than is presented in either the Channel Banner or the Full Channel Banner, you can press the INFO button three times to display the Program Detail Screen. The Program Detail Screen displays all of the information provided in the Channel Banner and Full Channel Banner, plus complete details about the program and a list of actions you can take related to the program.

To view the Program Detail Screen:

- 1 While watching a TV program, press the INFO button twice on your remote control. The Full Channel Banner appears.
- 2 Press the INFO button again. The Program Detail Screen appears.



Another way to view the Program Detail screen is to enter the Program Guide, highlight the program listing you are interested in, then press the INFO button.

Program Detail Screen actions

In addition to a description of the program you are watching, the Program Detail Screen provides a list of actions you can take related to that program. Here are descriptions of the actions that might be available for a program.

NOTE

not all actions are available for every program.

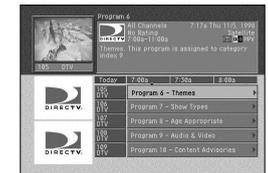
- Back:** Displays the last screen you viewed before entering the Program Detail Screen.
- Exit:** Clears the screen and displays the last channel you were viewing.
- Buy \$(Price):** For pay per view programs, allows you to purchase the program.
- Cancel \$(Price):** For pay per view programs that you have previously purchased but that have not yet aired, lets you cancel your purchase.
- View:** Displays the channel airing the program described.
- Schedule:** For future programs, allows you to set your DIRECTV Receiver to remind you when the program is about to start.
- Unschedule:** For programs you have previously scheduled for a reminder, allows you to cancel the reminder.
- Episodes:** For programs broadcast as episodes, allows you to view a list of other episodes in that program's series.
- Show Times:** Displays a list of times and channels for viewing the program.
- Similar:** Displays a list of programs that have aspects in common with the program.

Finding out what's on: the Guide

Your DIRECTV Receiver provides access to detailed information about TV schedules. If you want to know what's on, just use the Guide. The Guide provides scheduling information for all types of programming.

Guide

The Guide is the most complete, detailed Guide type. It lets you see the programs for each channel in a scrollable schedule. If you don't know what you want to watch, and you want to browse a broad range of channels, the Guide may be for you.



Using the Guide

The Guide displays a Channel Banner and a channel list. It provides access to the complete set of Guide features including the ability to search for programs, schedule reminders and recordings, etc.

Displaying and clearing the Guide

To display or clear the Guide:

- 1 To display the Guide, press the GUIDE button on your remote control. The Guide appears.
- 2 You can also display the Guide by pressing the MENU button on your remote control. Then highlight Guide and press the SELECT button.
- 3 To clear the Guide from your screen, press the EXIT button on your remote control.

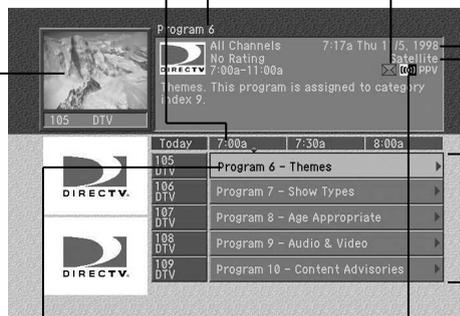
Guide overview

This diamond marks the current time (so you can see how close you are to a program start or end time).

Title of the highlighted program or channel

This Banner shows information about the channel or program highlighted in the Guide.

Picture-in-Guide shows you the program you are watching.



Current time and date
Signal type

The program list; use the arrow buttons on your remote control to highlight different areas.

The program currently highlighted.

One or more alternative languages are available for the program.

Getting around in the Guide

You can use the Guide to get detailed information about the channels and programs it contains. Here's how:

- 1 To highlight different program listings in the Guide, use the arrow buttons on your remote control to move up or down in the channel list, or forward and backward in time.
- 2 To move up and down through the channel list a full page at a time, press the CHAN ▲ and CHAN ▼ buttons on your remote control.
- 3 To move the Guide directly to a specific channel, press the 0-9 number buttons on your remote control to enter the desired channel number.
- 4 As you highlight each program listing in the Guide, information about the program appears in the Channel Banner. To see more information on a highlighted program, press the INFO button on your remote control.

The Program Detail screen appears, showing complete information about the highlighted program and a list of actions you might want to take related to that program. To return to the Guide, highlight the Back item on the on-screen list and press the SELECT button.



- 5 To get information on a channel (rather than a program), use the arrow keys on the remote control to highlight the channel entry in the Guide. The Channel Banner displays information about the high lighted channel.



- 6 Press the INFO button on your remote control while a channel entry is highlighted to see a Channel Detail Screen containing more information about the highlighted channel.



Tuning to a channel with the Guide

To tune to a program or channel listed in the Guide:

- 1 Highlight the program or channel you want to watch.
- 2 Press the SELECT button. The Guide disappears, and the channel you selected fills the screen.

Searching for programs

You can search the entire list of programs stored in your DIRECTV Receiver's program guide to find exactly the program you wish to see. There are four ways to search the Guide:

- By Credits:** Lets you find programs that match the actor, director, role, award, or year you type using an on-screen keyboard.
- By Title:** Lets you find programs that match the program title you type using an on-screen keyboard.
- By Text:** Lets you find programs for which either the credits or the title match the search term you type using an on-screen keyboard.
- By Category:** Lets you find programs that match the program categories and subcategories you select from an on-screen list.

These search techniques are described in the sections that follow.

Searching by Credits, Title, or Text

To find programs that star a certain actor, share a director, have a particular character, have won a specific award, or were created in a certain year, search By Credits. To search for a program whose title you know, search by title. Searching by text looks at both credits and titles to find programs that match your search terms.

- 1 While viewing the Guide, press the ACTIVE button on your remote control. A search list appears, allowing you to choose a type of search.
- 2 Highlight By Credits, By Title, or By Text, then press the SELECT button. The search screen you selected appears. If you chose to search By Credits, the screen allows you to select a type of credit to search by. Highlight one of the five Credit types (Actor, Director, Role, Award, or Year), and press the SELECT button.



- 3 Highlight the first letter in the word you wish to search for, then press the SELECT button. To erase a letter, highlight the on-screen left arrow and press the SELECT button. To clear the entire entry, highlight the on-screen Clear button and press the SELECT button.
- 4 Continue to select letters from the on-screen keyboard until you have completed your search term. As you enter letters, an on-screen list shows you matches for the text you have entered so far.
- 5 To execute the search you can either highlight the on-screen Search button and press the SELECT button, or you can highlight an item from the on-screen list and press the SELECT button. A list of programs related to your search terms appears.
- 6 To see a list of show times for one of the search results, highlight that program, then press the SELECT button.
- 7 To see information about one of the search results, highlight that program, then press the INFO button.

Searching by Category

When you search by category, you narrow down the list of programs by choosing from program categories and sub-categories.

- 1 While viewing the Guide, press the ACTIVE button on your remote control. A search list appears, allowing you to choose a type of search.

- 2 Highlight By Category, then press the SELECT button.



The Search By Category screen appears. Categories that contain subcategories have a page icon to the right of the category name.



- 3 Highlight a category, then press the SELECT button. If you select a category that contains sub-categories, the subcategory list appears. Continue to narrow your search by selecting from the sub-category list until there are no more sub-categories. If you select a category that contains no sub-categories, the search results appear displaying the programs in the category you selected. To return to a previous category list, highlight the on-screen BACK button and press the SELECT button.



- 4 To see a list of show times for one of the search results, highlight that program, then press the SELECT button.

- 5 To see information about one of the search results, highlight that program, then press the INFO button.

Choosing an alternate audio format for a program

Many programs on your DIRECTV Receiver offer several audio formats. For example, some programs are available in alternative languages.

 This icon indicates that two or more alternative languages are available for the program.

To change the audio format for a program you are watching, follow these steps:

- 1 While viewing a program, press the INFO button on your remote control. The Brief or Full Channel Banner appears.
- 2 Press the right-arrow button. A list of available audio formats for the program you are watching appears.
- 3 Highlight the audio format you wish to hear for the program, then press the SELECT button. The list of audio formats disappears and the program audio is now played in the format you selected.



Pay per view programs

Your DIRECTV Receiver gives you access to many pay per view movies, sporting events, concerts, etc. All you need to order these events is your DIRECTV account, a land-based telephone line connected to your DIRECTV Receiver, and your remote control.

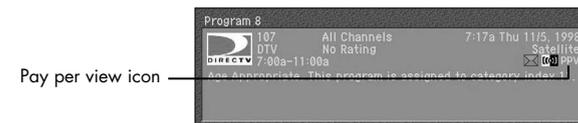
Identifying pay per view programs

There are several ways to identify pay per view programs.

- 1 If you tune to a channel currently showing a pay per view program which you have not yet purchased, a message appears telling you how to order the program.



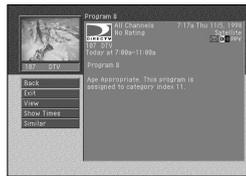
- 2 If you press the INFO button on your remote control to view information about a program in the Guide or about a program you are currently tuned to, you will see the pay per view icon in the Channel Banner for that program.



Ordering pay per view programs

To order a pay per view program:

- 1 Locate and highlight the program you wish to purchase in the Guide. You can purchase current programs (as long as the program is less than half over) or future programs.
- 2 Press the INFO button on your remote control. The Program Details screen appears, with the list of available actions for that program.
- 3 Use the arrow keys on your remote control to highlight the Buy item from the list, then press the SELECT button. A confirmation screen appears in which you can confirm or cancel your purchase. Pay per view purchases are billed with your regular monthly statement for DIRECTV programming.



NOTE

You can set spending limits for pay per view purchases using your DIRECTV Receiver's Menu system. See Chapter 5 for details.

Reviewing your pay per view purchases

Your DIRECTV Receiver allows you to review your past pay per view purchases, to view a list of upcoming pay per view purchases, and to cancel upcoming pay per view purchases.

Viewing your Past Purchase list

To see a list of pay per view programs that you purchased and watched, follow these steps:

- 1 Press the MENU button on your remote control.
- 2 Highlight the Purchases menu item, then press the SELECT button. The Purchases menu appears. The Past Purchases menu item is highlighted.
- 3 Press the SELECT button on your remote control to view a list of your past pay per view purchases. The Past Purchases screen appears.
- 4 To see details for the listed purchases, highlight a purchase, then press the SELECT button. A screen displaying program details for the selected purchase appears.
- 5 To return to the Past Purchases screen, press the BACK button on your remote control.



NOTE

The Past Purchases screen only displays pay per view programs which you purchased and watched. Pay per view programs that you purchased but did not watch appear on the Future Purchases screen.

Viewing your Future Purchase list

To see a list of pay per view programs that you purchased but have not yet watched, follow these steps:

- 1 Press the MENU button on your remote control.
- 2 Highlight the Purchases menu item, then press the SELECT button. The Purchases menu appears.
- 3 Highlight the Future Purchases menu item, then press the SELECT button. The Future Purchases screen appears.
- 4 To see details for the listed purchases, highlight a purchase, then press the SELECT button. A screen displaying program details for the selected purchase appears.
- 5 To return to the Future Purchases screen, press the BACK button on your remote control.



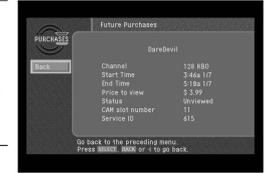
The Future Purchases screen displays both purchases you have made for programs that have not yet aired, and purchases for past programs which you never watched. Purchases which you have made that have not yet aired can be canceled following the instructions below.

Canceling a pay per view purchase

To cancel the purchase of a pay per view program that you purchased but have not yet watched, follow these steps:

- 1 Press the MENU button on your remote control.
- 2 Highlight the Purchases menu item, then press the SELECT button.
- 3 Highlight the Future Purchases menu item, then press the SELECT button.
- 4 To cancel a purchase, highlight the program purchase you wish to cancel, then press the SELECT button.

A screen displaying program details for the selected purchase appears.
- 5 Highlight the on-screen Cancel Purchase button, then press the SELECT button. The Program Detail screen disappears. The Future Purchase screen appears; the purchase you canceled is now listed as canceled.



NOTE

Past programs which you purchased but never watched cannot be canceled. Only PPV purchases made from the DIRECTV Receiver may be canceled.

Chapter 4: Program reminders

This chapter tells you how to use your DIRECTV Receiver to set timers that can remind you when a program is about to begin. The sections of this chapter include:

- Scheduling program reminders
- Reviewing and modifying reminders

Scheduling program reminders

You can set to help you manage your TV viewing:

- You can schedule a reminder to alert you when a program is about to begin.

To set your DIRECTV® Receiver to remind you when a program is about to begin, follow these steps:

- 1 Press the GUIDE button on your remote. The Guide appears.
- 2 Highlight the program you wish to be reminded about, and press the SELECT button. Pressing the SELECT button once sets a program reminder.

Today	9:00p	9:30p	10:00p	10:30p
116	Joint Security	Rose Garden		
115	Boxing II	MZZO Concert		
114	Concert Rio	Electric...		
115	Generation			
116	Belina	Super Wrestling		

A clock icon is added to the program listing when a program reminder is scheduled.

Once you have set a reminder, when the program is about to begin, the DIRECTV® Receiver displays a message reminding you about the program.

Reviewing and modifying reminders

The Timers item in the Setup menu allows you to review, modify, or create new program reminders. Here's how:

- 1 Press the MENU button on your remote control.
- 2 Highlight the Setup menu item, then press the SELECT button. The Setup menu appears.
- 3 Highlight the Timers menu item, then press the SELECT button. The Timers screen appears. If you have previously scheduled program reminders, they are listed here.
 
- 4 To review your previously scheduled program reminders, look through this list.
- 5 To modify or check the details for any previously scheduled timers, highlight that timer from the list, then press the SELECT button. To schedule a new program reminder, highlight a blank line from the list, then press the SELECT button. The Timer No. screen appears.
- 6 Highlight the option you wish to change.
 - For new timers or for timers you previously scheduled using the Timers screen in the Setup menu, you can modify the channel number, the start time and date, the end time and date.
 - For timers that you scheduled using the on-screen Guide, you can only change the frequency.
 - Once you have highlighted the option you wish to modify, use the up- or down-arrow buttons on your remote control to edit the option setting. Use the left- and right-arrow buttons to highlight different options.
 - To delete the selected timer, use the right-arrow button on your remote control to highlight the on-screen Clear button, then press the SELECT button.
- 7 When you have finished reviewing or modifying the timer, use the right-arrow button on your remote control to highlight the on-screen Back button, then press the SELECT button. The Edit Timer screen disappears, and you return to the Timers screen.
- 8 To return to the Setup menu, highlight the on-screen Back button, then press the SELECT button. To exit the Menu system and return to TV viewing, press the EXIT button on your remote control.

Chapter 5: User profiles

This chapter tells you how to modify and select user profiles. Its contents include:

- User profiles basics
- Editing user profile names
- Editing channel lists
- Setting ratings limits
- Allowing or blocking pay per view purchases
- Setting a pay per view spending limit
- Setting the screen color and translucency
- Setting the current user profile
- Locking and unlocking your DIRECTV® System

User profile basics

If your DIRECTV® Receiver is going to be used by more than one person in your household, you should consider setting up user profiles for each user.

The Profiles section of the Menu system allows you to:

- Set ratings limits for the DIRECTV® Receiver (applies to all users).
- Set pay per view spending limits for the DIRECTV® Receiver (applies to all users).
- Edit channel lists for the DIRECTV System, and customized lists for individual users.
- Change the color and translucency of the Menu and Guide screens for each user profile.
- Set which user profile is currently active.
- Lock and unlock the system (controlling when the ratings limits, spending limits, and channel restrictions are active).



There are five user profiles you can choose:

- Family: The Family user profile is the master profile for your DIRECTV® Receiver. The ratings limits, channel restrictions, and pay per view spending restrictions you set in the Family profile apply to all of the user profiles.
- User 1 - User 4: These four user profiles allow individuals in your household to create custom channel lists and custom screen appearances for their own use. These profiles can be renamed to identify them with members of your household. Ratings, spending, and channel restrictions set in the Family profile still apply when one of these four user profiles is the active profile and the system is locked.
- All Channels: You can change the Screen color or Translucency in the preferences of the set up menu.

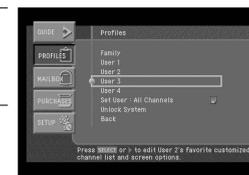
Editing user profile names

The four profiles named User 1 - 4 can be renamed for members of your household. The Family and All Channels profiles cannot be renamed. You can change the names of User 1 - 4 profiles to anything you wish, using up to eight letters and numbers.

1 Press the MENU button on your remote control. The Main menu appears.



2 Highlight the PROFILES menu item, then press the SELECT button. The PROFILES menu appears.



3 Highlight the profile you wish to rename, then press the SELECT button.

The menu for that user profile appears. The Edit User Name item is highlighted.

4 Press the SELECT button to start editing the user name for that profile.

The Edit User Name screen appears.



5 Type a new name for the user profile as described below:

- To type each user letter or number in the new name, highlight a key on the on-screen keyboard, then press the SELECT button. Repeat this until you have typed the entire name.
- If you need to erase a letter or two, highlight the on-screen left arrow (near the top-right corner of the keyboard), then press the SELECT button.
- To erase the entire name, highlight the on-screen Clear key, then press the select button.



6 When you have finished typing the user profile name, highlight the on-screen Back button, then press the SELECT button.

Editing channel lists

You can edit channel lists to simplify your channel surfing by removing channels that you never watch from your channel list. Editing a channel list for a user profile has two effects :

- When that user profile is the active profile, it sets which channels are skipped as you change channels with the CHAN ▲ and CHAN ▼ buttons on your remote control.
- When that user profile is the active profile, it determines which channels appear and do not appear in the Program Guide.

It is possible to tune to a channel directly by pressing the 0 - 9 buttons on your remote control even when that channel is removed from the channel list for that profile. The Family profile is the master profile — channel restrictions set in the Family profile apply to the entire DIRECTV® System (when the system is locked), regardless of which user profile is active. Channels that are removed from the channel list in the Family profile are “blocked” for all profiles — that is, these channels cannot be viewed even when tuned directly using the 0 - 9 buttons on your remote control. Here are the steps for editing a channel list:

- 1 Press the MENU button on your remote control.
- 2 Highlight the PROFILES menu item, then press the SELECT button. The PROFILES menu appears.
- 3 Highlight the profile containing the channel list you wish to edit (Family, or User 1 - 4), then press the SELECT button. The menu for that user profile appears. The Edit Channel List item is highlighted. Editing the Family channel list changes channel access for all profiles. The All Channels profile cannot be edited.
- 4 Press the SELECT button to start editing the channel list. The Edit Channel List screen appears.



- 5 Edit the list using the controls as described below. Channels that are removed from the channel list do not appear in the Program Guide, and they are skipped when you change channels with the CHAN ▲ and CHAN ▼ buttons.

Channels included in the channel list. To remove a channel from the list, highlight it, then press SELECT on your remote control.

Channels not included in the channel list. To add a channel to the channel list, highlight it here, then press SELECT on your remote control.

When you have finished editing the channel list, highlight Back, then press the SELECT button.

Cancel returns you to the previous screen without changing the channel list.

Move all channels into the View list or Block list.

- 6 When you have finished editing the list, highlight the on-screen Back button, then press the SELECT button.

Setting ratings limits

To control the ratings of the programs your family can watch, set ratings limits in the Family profile. Ratings limits set in the Family profile apply to the entire DIRECTV® System no matter which user profile is active (as long as the system is locked). There are various systems used to rate TV programs. Your DIRECTV® Receiver allows you to set limits for the following kinds of ratings:

- TV program ratings for the Entire Audience.
- TV program ratings specifically for Children.
- TV program ratings for unrated programs (TV rating of none).
- Movie ratings based on the MPAA (Motion Picture Association of America) ratings.

If you have younger TV viewers in your home, you should set the maximum rating for each of these program-types to ensure the most effective ratings control.

Setting the ratings limits for TV programs

To set the maximum viewable TV program rating for the TV programs, follow these steps:

- 1 Press the MENU button on your remote control.
 - 2 Highlight the PROFILES menu item, then press the SELECT button. The PROFILES menu appears. The FAMILY profile is highlighted.
 - 3 Press the SELECT button to display the FAMILY profile menu. The FAMILY profile menu appears.
 - 4 Highlight the Rating Limit menu item, then press the SELECT button. The Rating Limit menu appears.
 - 5 Highlight the TV menu item, then press the SELECT button. The TV menu appears.
 - 6 Highlight the rating option you wish to set, then press the SELECT button. The screen you selected appears.
- 
- 7 Use the arrow and SELECT buttons on your remote control to select the buttons, ratings, or the specific types of content you wish to block your family from viewing. Programs containing blocked content or that are rated at or above the level you select will be blocked when your system is locked. (See Locking and unlocking your DIRECTV® System later in this chapter.)
 - 8 When you have finished setting the ratings on one screen, select the on-screen Back button. You return to the TV menu. From there you can select the next rating type and continue to set the ratings as described in step 7.

Here are descriptions of the ratings and abbreviations used on the Entire Audience rating screen:

- TV-G: General audience. Although not specifically designed for children, most parents would find this program suitable for all ages.
- TV-PG: Parental guidance suggested. This program may not be suitable for younger children.
- TV-14: Parents strongly cautioned. This program may contain material parents would find unsuitable for children under 14 years of age.
- TV-MA: Mature audience only. This program is specifically designed to be viewed by adults, and is therefore unsuitable for anyone under 17 years of age.
- D: Suggestive dialog.
- L: Coarse language.
- S: Intense sexual situations.
- V: Violence.

Here are descriptions of the ratings and abbreviations used on the Children rating screen:

- TV-Y: All children. This program is designed to be appropriate for all children.
- TV-Y7: Directed to older children. This program is designed to be viewed by children age 7 and above.
- TV-Y7-FV: Similar to TV-Y7, but may include strong fantasy violence (such as fighting by animated characters).

The TV Rating of None screen allows you to allow or block programs that are unrated or have a rating of "None."

Setting ratings limits for movies

To set the maximum viewable rating for movies, follow these steps:

- 1 Press the MENU button on your remote control.
- 2 Highlight the PROFILES menu item, then press the SELECT button. The PROFILES menu appears. The Family profile is highlighted.
- 3 Press the SELECT button to display the Family profile menu. The Family profile menu appears.

4 Highlight the Rating Limit menu item, then press the SELECT button. The Rating Limit menu appears. Movies is highlighted.

5 Press the SELECT button to display the Movies screen. The Movies screen appears.

6 Use the arrow and SELECT buttons on your remote control to select the ratings you wish to block your family from viewing. Programs that are rated at or above the level you select will be blocked when your system is locked. (See Locking and unlocking your DIRECTV® System later in this chapter.)



7 To unblock all of the ratings and content types, select the on-screen Allow All button. To block all of the ratings and content types, select the on-screen Block All button.

8 When you have finished setting the ratings on the Movies screen, select the on-screen Back button. You return to the Rating Limit menu.

Here are descriptions of the ratings used on the Movies rating screen:

- G: General Audiences. This rating is generally suitable for all audiences.
- PG: Parental Guidance Suggested. Indicates that some parents may find material in this film unsuitable for children.
- PG-13: Parents Strongly Cautioned. Movies with this rating should be investigated by parents before they let children under 13 years of age view the film.
- R: Restricted. Some material not suitable for children 17 years of age or younger. Parents are strongly urged to investigate this film before allowing children to view it with them.
- NC-17: This film contains material that is intended to be viewed by adults only.
- X: This film contains explicit sexual material, and is intended to be viewed by adults only.

Allowing or blocking pay per view purchases

To set whether pay per view programs can be purchased on your DIRECTV® Receiver, use the Pay Per View option in the Family profile menu. The Pay Per View Allow/Block setting in the Family profile applies any time the system is locked, regardless of which user profile is active.

To set your DIRECTV Receiver to allow or block pay per view purchases:

1 Press the MENU button on your remote control.

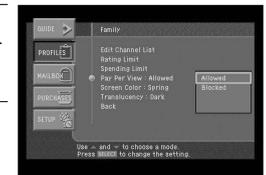
2 Highlight the PROFILES menu item, then press the SELECT button. The PROFILES menu appears. The Family profile is highlighted.

3 Press the SELECT button to display the Family profile menu. The Family profile menu appears.

4 Highlight the Pay Per View menu item, then press the SELECT button. A list appears, from which you can choose to Allow or Block pay per view purchases.

5 Highlight Allowed or Blocked, then press the SELECT button. The list disappears, and the Pay Per View menu item indicates your choice.

6 To clear the Menu from your screen, press the EXIT button on your remote control.



Setting a pay per view spending limit

To limit the dollar amount that can be spent for each pay per view program, use the Spending Limit option in the FAMILY profile menu. Spending Limit sets in the Family profile apply any time the system is locked, regardless of which user profile is active. Here's how to set a spending limit:

- 1 Press the MENU button on your remote control.
- 2 Highlight the PROFILES menu item, then press the SELECT button. The PROFILES menu appears. The Family profile is highlighted.
- 3 Press the SELECT button to display the Family profile menu. The Family profile menu appears.
- 4 Highlight the Spending Limit menu item, then press the SELECT button. The Spending Limit screen appears.
- 5 Use the 0 - 9 buttons on your remote control to enter the maximum price allowed for a pay per view program. For example, to block programs that cost over twenty dollars each, you would press 0, 2, 0. As you press the number buttons the highlight moves to the next digit.
- 6 When you have entered the spending limit, highlight the on-screen Done button, then press the SELECT button. Your spending limit will now be in effect when the system is locked. (See Locking and unlocking your DIRECTV® System later in this chapter.)



Setting the screen color and translucency

For each of the profiles, you can set the screen color and translucency level used to display Menu and Guide screens. Screen colors can be set for the Family profile and the four User profiles. You can also choose from four levels of translucency: Translucency can be set for the Family profile and the four User profiles. To set these screen display options use the Screen Color and Translucency menu items in the menu for the profile you wish to change.

Setting the current user profile

To set the current user profile (making that profile's channel list, screen color and screen translucency settings active) follow these steps:

- 1 Press the MENU button on your remote control.
- 2 Highlight the PROFILES menu item, then press the SELECT button. The PROFILES menu appears.
- 3 Highlight the Set User menu item, then press the SELECT button. The user profile list appears.
- 4 Highlight the profile you wish to make active, then press the SELECT button. When you select a user profile, the list disappears, and the profile you selected becomes the current user profile.
- 5 To exit the Menu, press the EXIT button on your remote control.

Locking and unlocking your DIRECTV® System

If you have set ratings limits, spending limits, or channel lists for your DIRECTV® System, you need to lock the system to make those settings take effect. To later change those settings, you will need to unlock the system to access the controls for those settings. Locking the system involves entering a four-digit password. You will need to remember this password to unlock the system. Write down the password and keep it in a safe place. If you forget your password, call DIRECTV or your service provider for assistance.

To lock or unlock the system, follow these steps:

- 1 Press the MENU button on your remote control.
- 2 Highlight the PROFILES menu item, then press the SELECT button. The PROFILES menu appears.
- 3 Highlight the Lock System or Unlock System menu item, then press the SELECT button.



When the system is unlocked, the Lock System menu item is displayed. Selecting Lock System displays a screen where you can lock the system.



When the system is locked, the Unlock System menu item is displayed. Selecting Unlock System displays a screen where you can unlock the system.

- 4 Highlight the first digit in the password.
- 5 Use the 0 - 9 buttons, up or down arrow button on your remote control to enter a four-digit password. Then highlight the on-screen Done button and press the SELECT button. If you are locking the system, you will see a second screen asking you to confirm your password (to make sure you entered it correctly). When you have finished locking or unlocking the system, the Lock System/Unlock System screen disappears, and the PROFILES menu is displayed.
- 6 To clear the Menu from your screen, press the EXIT button on your remote control.

Chapter 6: Settings, preferences, and upgrades

This chapter tells you how to use the DIRECTV menu system to control the way your DIRECTV® Receiver operates. Its contents include:

- Reading your mail
- Setting system preferences
- Reviewing and controlling caller ID
- Setting the Local Time options
- Installing a new Access Card
- Viewing important information and a list of features supported by your DIRECTV® Receiver
- Viewing information on automatic system upgrades
- Testing the DIRECTV® Receiver

Reading your mail

The MAILBOX menu item allows you to read the mail sent to you by DIRECTV or your service provider. Here's how:

- 1 Press the MENU button on your remote control.
- 2 Highlight the MAILBOX menu item, then press the SELECT button. The MAILBOX screen appears, displaying all of the mail you have received (both read and unread).
- 3 To read one of the pieces of mail, highlight that piece of mail in your mailbox, then press the SELECT button. The selected mail message appears.
- 4 To delete the mail message (permanently removing it from your MAILBOX), highlight the on-screen Delete button and press the SELECT button on your remote control.
- 5 To leave the message in your MAILBOX and return to the MAILBOX screen, highlight the on-screen BACK button and press the SELECT button on your remote control. The mail message disappears, and the MAILBOX screen appears.
- 6 To clear the Menu from your screen, press the EXIT button on your remote control.



Setting system preferences

The Setup menu in your DIRECTV® Receiver's Menu system allows you to control many of the functions of the DIRECTV® Receiver. The first set of items you can control are system preferences. Specifically, these preferences you can set include:

- Screen format
- The default screen color for Menu and Guide screens.
- The default translucency for Menu and Guide screens.
- Setting the Default Audio preference

Setting the screen format for widescreen broadcasts

Some programs are broadcast in a special cinema-style widescreen format known as "16:9" (indicating the ratio or the screen's width to its height). Normal TV screen format is the 4:3 format. The Screen Format preference setting tells your DIRECTV Receiver how to display programs that are broadcast in the 16:9 widescreen format. (This preference setting has no effect on normal 4:3 program broadcasts.)

To set the Screen Format preference, follow these steps:

- 1 Press the MENU button on your remote control. The Main menu appears.
- 2 Use the arrow buttons on your remote control to highlight the SETUP menu item, then press the SELECT button on your remote control. The SETUP menu appears.
- 3 Use the arrow buttons on your remote control to highlight the Preferences menu item, then press the SELECT button on your remote control. The Preferences menu appears.
- 4 Use the arrow buttons on your remote control to highlight the Screen Format menu item, then press the SELECT button on your remote control. A list of screen formats appears.
- 5 Use the arrow buttons on your remote control to highlight the format you wish to use to view widescreen programs, then press the SELECT button on your remote control. When you select a format, the list of formats disappears. Your selection is indicated in the Screen Format line on the Preferences menu. If you have a 16:9 widescreen format TV you should select the 16:9 format. Widescreen programs will fit on your TV. If you have a standard format TV screen, you can choose the 4:3 option — it will fill the entire screen with the widescreen program, but will crop the sides of the program video to fit it on your TV screen. Or you can choose the 16:9 — it will display the entire program video on your TV screen, but will display black bars above and below the program to adjust the widescreen video image to your 4:3 format TV screen. The choice is a matter of preference.



Setting the default screen color and translucency

The Screen Color menu item in the Preferences menu allows you to set a default screen color that will be used to display the Menu and Guide screens. There are four color choices named for the four seasons: Spring (green), Summer (blue), Fall (amber), Winter (violet). Screen colors can also be set for the Family profile and the four User profiles; those choices will override the default screen color selection you set here when those profiles are active. The Translucency menu item in the Preferences menu allows you to set a default translucency level that will be used to display the Menu and Guide screens (controlling how much TV program content you can view through the on-screen Menu and Guide screens). You can choose from four levels of translucency: Light, Medium, Dark, and Opaque (no translucency). Translucency can also be set for the Family profile and the four User profiles; those choices will override the default translucency selection you set here when those profiles are active.

To set a default screen color and translucency, follow these steps:

- 1 Press the MENU button on your remote control.
- 2 Highlight the Setup menu item, then press the SELECT button.
- 3 Highlight the Preferences menu item, then press the SELECT button.
- 4 Highlight the Screen Color menu item, then press the SELECT button. A list appears, showing you the screen color options.
- 5 Highlight a color option, then press the SELECT button. When you select a color, the screen color list disappears, and your color choice is indicated on the Screen Color menu item.
- 6 Highlight the Translucency menu item, then press the SELECT button. A list appears, showing you the translucency options.
- 7 Highlight Light, Medium, Dark, or Opaque. Then press the SELECT button. When you select a translucency option, the Translucency list disappears, and your choice is indicated on the Translucency menu item.



Setting the Default Audio preference

Programs broadcast with digital audio often provide a number of language choices. This preference setting tells your DIRECTV® Receiver which language to use for digital audio broadcasts offering a choice of formats.

To set the Default Audio preference, follow these steps:

- 1 Press the MENU button on your remote control.
- 2 Highlight the Setup menu item, then press the SELECT button.
- 3 Highlight the Preferences menu item, then press the SELECT button.
- 4 Highlight the Default Audio menu item, then press the SELECT button. The Audio menu appears.
- 5 Press the SELECT button on your remote control to display the list of available languages. A list of languages appears.
- 6 Highlight the language you wish to use for digital audio broadcasts, then press the SELECT button. When you select a language, the language list disappears. Your selection is indicated in the Default Audio line on the preferences menu.



Reviewing and controlling Caller ID

The Caller ID item in the Setup menu allows you to view a list of calls that you have received on the telephone line connected to your DIRECTV® Receiver. It also allows you to control whether the Caller ID feature is turned on or off. The Caller ID feature only works if you subscribe to the caller ID service provided by your local telephone service.

Turning the Caller ID feature on or off

To control whether your DIRECTV® Receiver captures caller ID information, follow these steps:

- 1 Press the MENU button on your remote control.
- 2 Highlight the SETUP menu item, then press the SELECT button.
- 3 Highlight the Caller ID menu item, then press the SELECT button. The Caller ID menu appears.
- 4 Highlight the Display Caller IDs menu item, then press the SELECT button. A list appears, allowing you to select whether you would like the Caller ID feature to be On or Off.
- 5 Highlight On or Off from the list, then press the SELECT button. The list disappears, and the Display Caller IDs menu item on the Caller ID menu reflects your choice.

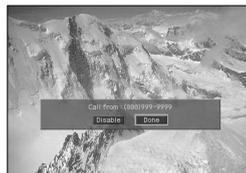


NOTE

Caller ID messages for incoming calls that occur while you are taping a program will be recorded on your tape. You might want to turn Caller ID off while you are recording a program.

Identifying callers

With Caller ID turned on, when a call is made to the phone line connected to your DIRECTV® Receiver, a message appears on your TV screen telling you the number of the caller. To clear the message from your screen, press the SELECT button. To set your DIRECTV® Receiver not to display caller ID messages, highlight the on-screen Disable button, then press the SELECT button.



Reviewing your Caller ID list

To see a list of calls you have received, follow these steps:

- 1 Press the MENU button on your remote control.
- 2 Highlight the Setup menu item, then press the SELECT button.
- 3 Highlight the Caller ID menu item, then press the SELECT button. The Caller ID menu appears.
- 4 Highlight the Review Caller IDs menu item, then press the SELECT button. The Review Caller IDs screen appears. The calls on the list are sorted in time order.
- 5 To see details about any of the listed calls, highlight the call from the list, then press the SELECT button.



A screen appears displaying the total number of calls received from that phone number and the times and dates for the three most recent calls.

- 6 To delete a Caller ID record, highlight the on-screen Delete button, then press the SELECT button.
- 7 To return to the Review Caller IDs list, highlight the on-screen Back button, then press the SELECT button.



Setting the Local Time options

The Local Time setting (in the Installation section of the Setup menu) allows you to control whether to allow your service provider to automatically control two time settings:

- the time zone your DIRECTV® Receiver uses, and
- whether your DIRECTV® Receiver observes Daylight Savings Time.

If you turn the Local Time Setting on, you can choose a time zone and decide whether or not to observe Daylight Savings Time. With the Local Time setting off, your service provider automatically controls these settings for you. Follow these steps to turn the Local Time Setting on or off, and (if you turn it on) to set your Time Zone and Daylight Savings Time observance.

- 1 Press the MENU button on your remote control.
- 2 Highlight the Setup menu item, then press the SELECT button.
- 3 Highlight the Installation menu item, then press the SELECT button.
- 4 Highlight the Local Time menu item, then press the SELECT button.
- 5 To change the Local Time Setting, highlight it using the arrow buttons on your remote control, then press the SELECT button. A list appears from which you can indicate whether you want the local time setting on (you set the time zone and daylight savings time observance), or off (your program provider controls the time settings).
- 6 Highlight On or Off, then press the SELECT button. The list disappears, and the Local Time Setting menu item reflects your choice. If you turn the Local Time Setting off, the Time Zone and Daylight Savings Time options are controlled by your program provider; these menu items become unavailable. If you turn the Local Time Setting on, continue with the following steps to set your time zone and whether you wish to observe daylight savings time.



- Highlight Time Zone menu item, then press the SELECT button. A list appears from which you can choose your local time zone.



- Highlight your Time Zone, then press the SELECT button. The list disappears, and the Time Zone menu item reflects your choice.
- Highlight the DST Observation menu item, then press the SELECT button. A list appears from which you can choose to turn Daylight Savings Time observance on or off.
- Highlight On or Off, then press the SELECT button. The list disappears, and the Status line indicates either DST in effect or Standard time in effect.

Installing a new Access Card

Your DIRECTV service provider may send you a new, replacement Access Card. When you receive a new card, follow these steps to continue your DIRECTV® service without interruption:

- Press the MENU button on your remote control.
- Highlight the Setup menu item, then press the SELECT button.
- Highlight the Installation menu item, then press the SELECT button.
- Highlight the New Access Card menu item, then press the SELECT button. The New Access Card screen appears.
- To start replacing your Access Card, highlight the on-screen SELECT button, then press the SELECT button. On-screen instructions tell you how to replace your old card with the new one. Follow these instructions.



Viewing important information and a list of features supported by your DIRECTV® Receiver

The System menu allows you to view a list of important details about your DIRECTV Receiver, as well as a list of features supported by your DIRECTV Receiver. To view this information, use the System Information and System Features items in the System portion of the Setup menu.

Viewing information on automatic system upgrades

The System Upgrades menu item in the System menu provides information about the current software on your DIRECTV Receiver, and a history of when previous upgrades have been downloaded to your Receiver. To View this information, use the System Upgrades item in the System portion of the Setup menu.

Testing the DIRECTV® Receiver

The System Test feature allows you to quickly check the status of the satellite signal, your Access Card, and your phone line connection. This is helpful while troubleshooting any problem you may experience with your DIRECTV Receiver.

Chapter 7: Programming the remote control

This chapter explains how to program your remote control so that you can use it to operate your TV, VCR, or other A/V equipment. Chapter sections include:

- Programming the remote control
- Operating a device with your programmed remote control
- Code lists

Programming the remote control

Your DIRECTV® Receiver's remote control can be programmed to operate your TV, VCR, DVD player and other A/V equipment. You use the code lists provided in this chapter to enter the code for your brand of TV, VCR, etc.

Programming your remote control

TV Setup (TV Power, VOL and MUTE)

You can program the DIRECTV remote control to turn your TV power, volume and mute.

- 1 Move the slide switch near the top of the remote to TV.

- 2 Point the remote away from your DIRECTV Receiver. Press and hold MUTE and SELECT until the light near the slide switch on the remote flashes twice. (about 5 seconds)

- 3 Enter the five-digit code for your TV (refer to the code list located at the back of this user's guide).

- 4 Test the remote by press the PWR, VOL and MUTE. If the remote is not controlling your television, repeat steps 2 and 3, using a different five-digit code.

- 5 If you've tried all the codes for your TV, and you can't control your TV, then try Perform a Code Search (see page 81).

Once your remote is programmed to work with your TV, the VOL and MUTE key will work regardless of the slide switch position. If you would like to change the VOL and MUTE to work with another component, you can. Simply set up your remote to work with the component, and then follow the Volume Lock instructions (see page 80).

TV INPUT Select setup

Once you've set up your TV Power, VOL and MUTE, you can program the TV INPUT button if you'd like.

- 1 Move the slide switch near the top of the remote to TV.

- 2 Point the remote away from your DIRECTV Receiver. Press and hold MUTE and SELECT until the light near the slide switch on the remote flashes twice. (about 5 seconds)

- 3 Enter 9 → 6 → 0. The light will blink twice.

If you want to hide the TV INPUT button, then follow steps 1 through 3 again, and the light will blink 4 times, then pressing the TV INPUT will do nothing.

Set up AV1 or AV2 to control DVD, VCR, other TV, second DIRECTV Receiver, or Stereo

You can program the remote control to work with other electronic components in your home.

- 1 Move the slide switch near the top of the remote control to AV1 or AV2.

- 2 Point the remote away from your DIRECTV Receiver and components. Press and hold MUTE and SELECT until the light near the slide switch on the remote flashes twice. (about 5 seconds)

- 3 Enter the five-digit code for the component and brand (refer to the code list located at the back of this user's guide).

- 4 Test the remote by pressing the PWR button on the remote. If the component turns off/on then you successfully programmed your remote. If not then repeat step 2 and 3 with the next code for your component.

- 5 If you've tried all the codes for component, and you can't control your equipment, then try Perform a Code Search (see page 81).

Volume Lock

If you programmed your remote to control your TV, then the VOL and MUTE key will automatically control the volume on your TV, regardless of the slide switch position. If you want the VOL/MUTE keys to control a different component, such as your stereo, you can.

- 1 First, program AV1 or AV2 to work with your stereo or A/V equipment (see above instructions).
- 2 Move the slide switch near the top of the remote control to the position you would like to lock the VOL & MUTE keys to.
- 3 Point to remote away from your DIRECTV Receiver and components. Press and hold MUTE and SELECT until the light near the slide switch on the remote flashes twice. (about 5 seconds)
- 4 Enter 9 → 9 → 3. The light will blink twice.

Now no matter which position your slide switch is in, the VOL and MUTE will work this new component.

Global Volume Unlock

Depending on how you set up your remote, the VOL and MUTE will control only your TV or other component, no matter which position the switch is in. If you don't want it to work this way, the remote can be programmed so that the VOL and MUTE work with multiple components based on the switch position.

- 1 Point to remote away from your DIRECTV Receiver and components. Press and hold MUTE and SELECT until the light near the slide switch on the remote flashes twice. (about 5 seconds)
- 2 Enter 9 → 9 → 3 then VOL UP. The light will blink twice.

Now the VOL and MUTE will work for the component selected by the slide switch position.

Perform a Code Search

If you were unable to find a code for your brand of TV or component, then you can try a code search. This process may take up to 30 minutes.

- 1 First turn on the TV or component.
- 2 Move the slide switch near the top of the remote control to the appropriate position.
- 3 Point the remote away from your DIRECTV Receiver and components. Press and hold MUTE and SELECT until the light near the slide switch on the remote flashes twice. (about 5 seconds)
- 4 Enter one of the following 4 digits
TV : 9 9 1 1
VCR or DVD : 9 9 1 2
Stereo : 9 9 1 3
- 5 Press the PWR key on the remote control.
- 6 Point the remote to the TV or component and press CHAN UP. Repeatedly press the CHAN UP until the TV or component turns off.
- 7 When the TV or component turns off, the press SELECT.

NOTE

If the light flashes 3 times before the TV or component responds, then you've cycled all codes and unfortunately the code you need is not available. You must then use the remote that came with your TV or component.

Factory Default

To reset all the functions of the remote control to the factory defaults, follow these steps.

- 1 Point the remote away from your DIRECTV Receiver and components. Press and hold MUTE and SELECT until the light near the slide switch on the remote flashes twice. (about 5 seconds)
- 2 Enter 9 → 8 → 1. The light on the remote will flash twice.

Now you have cleared the AV1, AV2 and TV modes.

Operating a device with the programmed remote control

To operate a device with your programmed remote control, move the Slide switch to the required mode. (TV, AV1, AV2, or DIRECTV). Then use the remote control to operate that device. The remote control will continue to operate that device until the current mode is changed using the slide switch. Each time you wish to use a different device with the remote control, select the intended device using the slide switch before starting.

Code lists

Use these lists to find the codes you need to program your DIRECTV® Receiver's remote control to operate your other A/V devices. For brands with multiple codes listed, try the codes in order until you find one that works for your device.

AMPLIFIERS

Brand names	Code numbers
GE	30078
JVC	30331
Luxman	30165
Marantz	30321
Nakamichi	30321
Optimus	30395
Realistic	30395
Sansui	30321
Sony	30689
Soundesign	30078, 30211
Victor	30331
Wards	30078, 30211
Yamaha	30354

RECEIVERS

Brand names	Code numbers
ADC	30531
Aiwa	30189, 30121, 31641, 31388
Alco	31390
Anam	31609, 31074
Apex Digital	31412
Audiotronic	31189
Audiovox	31390
Bose	31229
Cambridge Soundworks	31370
Capetronic	30531
Carver	31189, 30189
Denon	31360
Harman/Kardon	30110, 30189
Integra	31298, 30135
JBL	30110, 31306
JVC	31374

RECEIVERS (continued)

Brand names	Code numbers
Kenwood	31313, 31570, 30027
KLH	31412, 31390
Linn	30189
Magnavox	31189, 31269, 30189, 30531, 31514
Marantz	31189, 31269, 30039, 30189
MCS	30039
Mitsubishi	31393
Onkyo	31298, 30135
Optimus	31023, 31074, 30531
Oritron	31497
Panasonic	31518, 30039, 30309
Philips	31189, 31269, 30189
Pioneer	31023, 30531, 31384, 30150, 30014, 30630
Polk Audio	30189
Proscan	31254
Quasar	30039
RCA	31023, 31609, 31254, 31074, 31511, 31390, 30531
Rio	31869
Samsung	31295
Sansui	30189
Sonic Blue	31869
Sony	31058, 31758, 31858
Stereophonics	31023
Sunfire	31313
Teac	31390, 31074
Technics	31518, 30039, 30309
Thorens	31189
Venturer	31390
Wards	30189, 30014
Yamaha	30176, 31331
Zenith	31293

DirecTV SATELLITE RECEIVERS

Brand names	Code numbers
DirecTV	00001, 00002, 00003, 00004

TELEVISION

Brand names	Code numbers
Admiral	10093, 10463
Advent	10761, 10783, 10842
Aiko	10092
Akai	10702, 10030, 10672
Alaron	10179
Albatron	10843, 10700
Ambassador	10177
America Action	10180
Ampro	10751
Anam	10180
AOC	10030
Apex Digital	10748, 10765
Audiovox	10451, 10180, 10092
Bell & Howell	10154, 10016
Bradford	10180
Broksonic	10236, 10463
Candle	10030, 10056
Carnivale	10030
Carver	10054
Celebrity	10000
Celera	10765
Changhong	10765
Citizen	10060, 10030, 10056, 10092
Clarion	10180
Concerto	10056
Contec	10180
Craig	10180
Crosley	10054
Crown	10180
Curtis Mathes	10047, 10054, 10154, 10451, 10093, 10060, 10702, 10030, 10145, 10166, 10056, 10016, 10466
CXC	10180

TELEVISION (continued)

Brand names	Code numbers
Daewoo	10451, 11661, 10672, 10092
Denon	10145
Dumont	10017
Durabrand	10180, 10178
Dwin	10774, 10720
Electroband	10000
Emerson	10154, 10236, 10463, 10180, 10178, 10171, 10179, 10177
Envision	10030
Fisher	10154
Fujitsu	10179, 10809, 10683, 10853
Funai	10180, 10171, 10179
Futuretech	10180
Gateway	11756, 11755
GE	10047, 10051, 10451, 10178, 10021, 11447
Gibraltar	10017, 10030
GoldStar	10030, 10178
Grumpy	10180, 10179
Hallmark	10178
Harley Davidson	10179
Harman/Kardon	10054
Harvard	10180
Havermy	10093
Hello Kitty	10451
Himitsu	10180
Hisense	10748
Hitachi	10145, 10016, 10151, 10056
Infinity	10054
Inteq	10017
JBL	10054
JCB	10000
Jensen	10761
JVC	10053
KEC	10180
Kenwood	10030
KLH	10765
KTV	10180, 10030
Logik	10016

TELEVISION (continued)

Brand names	Code numbers
Luxman	10056
LXI	10047, 10054, 10154, 10156, 10178
Magnavox	10054, 10030, 10706, 10179
Majestic	10016
Marantz	10054, 10030
Matsushita	10250, 10650
Megatron	10178, 10145
Memorex	10154, 10250, 10463, 10150, 10178, 10179, 10016
MGA	10150, 10030, 10178
Midland	10047, 10017, 10051
Minutz	10021
Mitsubishi	10093, 10150, 11250, 10178
Monivision	10843, 10700
Motorola	10093
MTC	10060, 10030, 10056
Multitech	10180
NAD	10156, 10178, 10866
NEC	10030, 11704, 10056, 10704
Nikko	10030, 10178, 10092
Norcent	10748, 10824
NTC	10092
Onwa	10180
Optimus	10154, 10250, 10166, 10650
Optonica	10093
Orion	10236, 10463, 10179
Panasonic	10250, 10051, 10650
Penney	10047, 10156, 10051, 10060, 10030, 10178, 10021
Philco	10054, 10030
Philips	10054, 10690
Pilot	10030
Pioneer	10166, 10866, 10679
Portland	10092
Prima	10761, 10783
Princeton	10700
Prism	10051

TELEVISION (continued)

Brand names	Code numbers
Proscan	10047, 11447
Proton	10178, 10466
Pulsar	10017
Quasar	10250, 10051, 10650
RadioShack	10047, 10154, 10180, 10030, 10178, 10056
RCA	10047, 10090, 10679, 11447
Realistic	10154, 10180, 10030, 10178, 10056
Runco	10017, 10030, 10603
Sampo	10030, 11755
Samsung	10060, 10702, 10030, 10178, 10814, 10766, 10056
Sansui	10463
Sanyo	10154
Scotch	10178
Scott	10236, 10180, 10178, 10179
Sears	10047, 10054, 10154, 10156, 10178, 10171, 10056, 10179
Sharp	10093, 10818, 10689, 10688, 10851
Sheng Chia	10093
Signature	10016
Sony	10000, 10834
Soundesign	10180, 10178, 10179
Squareview	10171
SSS	10180
Starlite	10180
Supreme	10000
SVA	10748
Sylvania	10054, 10030, 10171
Symphonic	10180, 10171
Tandy	10093
Technics	10250, 10051
Technol Ace	10179
Techwood	10051, 10056
Teknika	10054, 10180, 10150, 10060, 10092, 10016, 10179, 10056
Telefunken	10702, 10056

TELEVISION (continued)

Brand names	Code numbers
TMK	10178, 10056, 10177
TNCI	10017
Toshiba	10154, 10156, 10060, 10650, 11704, 10845
TVS	10463
Vector Research	10030
Victor	10053
Vidikron	10054
Vidtech	10178
Viewsonic	11755
Wards	10054, 10030, 10178, 10866, 10016, 10179, 10021, 10056
Waycon	10156
White Westinghouse	10463
Yamaha	10030
Zenith	10017, 10463, 10178, 10092, 10016

VCR

Brand names	Code numbers
Admiral	20048, 20209
Adventura	20000
Aiko	20278
Aiwa	20037, 20000
America Action	20278
American High	20035
Asha	20240
Audiovox	20037, 20278
Beaumarck	20240
Bell & Howell	20104
Broksonic	20184, 20121, 20209, 20002, 21479, 20479
Calix	20037
Canon	20035
Carver	20081
CCE	20072, 20278
Citizen	20037, 20278, 21278
Colt	20072
Craig	20037, 20047, 20240, 20072

VCR (continued)

Brand names	Code numbers
Curtis Mathes	20060, 20035, 20162, 21035
Cybernex	20240
Daewoo	20045, 20278, 21278
Denon	20042
Durabrand	20039, 20038
Dynatech	20000
Electrohome	20037
Electroponic	20037
Emerex	20032
Emerson	20037, 20184, 20000, 20121, 20043, 20209, 20002, 20278, 21278, 20479, 21479
Fisher	20047, 20104
Fuji	20035, 20033
Funai	20000
Garrard	20000
GE	20060, 20035, 20240, 21060, 21035, 20807
Go Video	20432
GoldStar	20037, 20038, 21237
Gradiente	20000
Harley Davidson	20000
Harman/Kardon	20081, 20038
Harwood	20072
HI-Q	20047
Hitachi	20000, 20042
Hughes Network Systems	20042
JVC	20067
KEC	20037, 20278
Kenwood	20067, 20038
KLH	20072
Kodak	20035, 20037
Lloyd's	20000
Logik	20072
LXI	20037
Magnasonic	21278
Magnavox	20035, 20039, 20081, 20000, 21781
Magnin	20240
Marantz	20035, 20081
Marta	20037

VCR (continued)

Brand names	Code numbers
Matsushita	20035, 20162
MEI	20035
Memorex	20035, 20162, 20037, 20048, 20039, 20047, 20240, 20000, 20104, 20209, 20479, 21237
MGA	20240, 20043
MGN Technology	20240
Minolta	20042
Mitsubishi	20067, 20043, 20807
Motorola	20035, 20048
MTC	20240, 20000
Multitech	20000, 20072
NEC	20104, 20067, 20038
Nikko	20037
Noblex	20240
Olympus	20035
Optimus	21062, 20162, 20037, 20048, 20104, 20432
Orion	20184, 20209, 20002, 21479, 20479
Panasonic	21062, 20035, 20162, 20616, 20225, 21035
Penney	20035, 20037, 20240, 20042, 20038, 21237, 21035
Pentax	20042
Philco	20035
Philips	20035, 20081, 20618
Pilot	20037
Pioneer	20067
Polk Audio	20081
Profitronic	20240
Proscan	20060, 21060
Protec	20072
Pulsar	20039
Quasar	20035, 20162, 21035
RadioShack	20000
Radix	20037
Randex	20037
RCA	20060, 20240, 20042, 20807, 21060, 21035, 20880

VCR (continued)

Brand names	Code numbers
Realistic	20035, 20037, 20048, 20047, 20000, 20104
ReplayTV	20616
Runco	20039
Samsung	20240, 20045, 21014
Sanky	20048, 20039
Sansui	20000, 20067, 20209, 21479, 20479
Sanyo	20047, 20240, 20104
Scott	20184, 20045, 20121, 20043
Sears	20035, 20037, 20047, 20000, 20042, 20104, 21237
Sharp	20048, 20807
Shintom	20072
Shogun	20240
Singer	20072
Sonic Blue	20616
Sony	20035, 20032, 20033, 20000, 21232, 20636
STS	20042
Sylvania	20035, 20081, 20000, 20043, 21781
Symphonic	20000
Teac	20000
Technics	20035, 20162
Teknika	20035, 20037, 20000
Thomas	20000
Tivo	20636, 20618
TMK	20240
Toshiba	20045, 20043, 21145
Totevision	20037, 20240
Unitech	20240
Vector	20045
Vector Research	20038
Video Concepts	20045
Videomagic	20037
Videosonic	20240
Villain	20000
Wards	20060, 20035, 20048, 20047, 20081, 20240, 20000, 20042, 20072

VCR (continued)

Brand names	Code numbers
White Westinghouse	20209, 20072
XR-1000	20035, 20000, 20072
Yamaha	20038
Zenith	20039, 20033, 20000, 20209, 20479, 21479

PERSONAL VIDEO RECORDERS (PVR)

Brand names	Code numbers
Panasonic	20616
Philips	20618
ReplayTV	20616
Sonic Blue	20616
Sony	20636
Tivo	20618, 20636

DIGITAL VIDEO DISC (DVD)

Brand names	Code numbers
Allegro	20869
Apex Digital	20672, 20717, 21100, 20794, 21061, 20755, 20830, 20796
Blaupunkt	20717
Blue Parade	20571
Broksonic	20695
CineVision	20876
Curtis Mathes	21087
CyberHome	20816, 21023
Daewoo	20784
Denon	20490
DVD2000	20521
Emerson	20591, 20675, 20821
Enterprise	20591
Fisher	20670
Funai	20675
GE	20522, 20815, 20717
Go Video	20783, 20715
Greenhill	20717
Hitachi	20573, 20664
Hiteker	20672
Initial	20717

DIGITAL VIDEO DISC (DVD) (continued)

Brand names	Code numbers
JVC	20558, 20623, 20867
Kenwood	20490, 20534
KLH	20717, 21020
Koss	20651
Lasonic	20798
Magnavox	20503, 20675
Marantz	20539
Memorex	20695
Microsoft	20522
Mintek	20839, 20717
Mitsubishi	21521, 20521
Nesa	20717
Norcent	21003
Onkyo	20503
Oritron	20651
Panasonic	20490, 21362
Philips	20503, 20539, 20646, 20854
Pioneer	20525, 20571
Polk Audio	20539
Proscan	20522
Qwestar	20651
RCA	20522, 20571, 20717, 21022, 20822
Rio	20869
Rotel	20623
Samsung	20573, 20820
Sansui	20695
Sanyo	20670, 20695
Sharp	20630
Shinsonic	20533, 20839
Sonic Blue	20869
Sony	20533, 20864, 21033
Sylvania	20821, 20675
Symphonic	20675
Technics	20490
Theta Digital	20571
Toshiba	20503, 21045, 20695
Urban Concepts	20503
Xbox	20522
Yamaha	20490, 20539, 20545
Zenith	20503, 20591, 20869

Appendix: Troubleshooting and specifications

Use the tips below to help solve any problems you have with the DIRECTV® Receiver:

Troubleshooting

Q	A
I have no picture and no sound and the POWER light does not light.	Make sure your DIRECTV® Receiver is plugged into a working power outlet. If the outlet is connected, make sure it turned on. If your DIRECTV® Receiver is plugged into a power strip, make sure it is plugged in and turned on. Check the batteries in the remote control.
I have sound but no picture.	Make sure your TV input (A/V mode) is set properly. Make sure the A/V cables are properly connected.
I have picture but no sound.	Make sure the TV is not being muted.
I have no picture and no sound.	Make sure the TV is turned on. Make sure your DIRECTV® Receiver is turned on. Make sure your Access Card is inserted properly into your receiver. Check the signal strength from the satellite (see Checking the satellite signal strength in Chapter 2). Make sure the coaxial cable is properly connected to the satellite dish. Check the connections between your DIRECTV® Receiver and your TV. Turn your receiver off, unplug it, wait 10 to 20 seconds, then plug it back in, and turn it on.
I have a frozen screen and the POWER button doesn't work.	Unplug your receiver for 10 to 20 seconds; then plug it back in and turn it on. Check the batteries in the remote control.

(continued...)

Q	A
I cannot view a program.	Make sure your subscription includes the channel you want to watch. Call your service provider if you are not sure. Make sure your system is not locked by looking for the locked icon (🔒) in the channel banner.
I cannot purchase a pay per view program.	It may be too late to purchase the program. Try purchasing another showing of the same program. Make sure the telephone line is properly connected. If your system is locked, make sure the purchase does not exceed your spending or rating limit. Your Access Card may be full. Call your service provider for assistance.
I forgot my password.	If you have forgotten your password, call your service provider for assistance.

Specifications

Here are the technical specifications for the DIRECTV® Receiver.

Power supply

Input Voltage	AC 120V, 60Hz (SMPS type)
Power Consumption	24W max

Physical Specification

Size (W X H X D)	12.2 in.(W) X 2.24 in.(H) X 8.11 in.(D) (310mm x 56.8mm x 206mm)
Weight (Net)	1.4 Kg
Weight (Gross)	3.0 Kg
Operation Temp	+32° F (0° C) to +104° F (+40° C)
Storage Temp	-30° F (-30° C) to +150° F (+60° C)

Video Decoder

Transport stream	MPEG-2 ISO/IEC 13818
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Audio Decoder

Audio Decoding	MPEG I Layer II
Sampling Frequency	48 kHz

Input/Output Interface

LNB	1 input (SATELLITE IN)
ANT input	1 input (AIR IN)
TV output	TV out
Video output	2 RCA / Cinch 1 S-Video
Audio output	4 RCA / Cinch (2 pairs X Left & Right)
Access Card	1 Access Card slot

Accessories

Cables	1 power cord 1 phone cable 1 A/V (RCA) cable 1 S-VIDEO cable
Remote control	1 universal remote control (with 2 batteries)
Card	1 Access Card
Manual	1 Owner's manual

Specifications are subject to change without notice.