



NON-DVR RECEIVERS USER GUIDE

DIRECTV® HD RECEIVER
DIRECTV® STANDARD RECEIVER



When you see the ENERGY STAR label on your set-top box, it means that your set-top box is ENERGY STAR qualified, giving you the benefit of saving energy and helping our environment.

However, ENERGY STAR labeled HD DVR set-top boxes qualify for ENERGY STAR **only when configured with the DIRECTV Whole-Home DVR service**. All other ENERGY STAR labeled set-top boxes, when used in conjunction with a DIRECTV subscription, meet ENERGY STAR criteria without requiring the consumer to take any additional steps.



Welcome! Now that you're plugged in, it's time to start enjoying access to over 285 channels of TV programming, satellite music and a great selection of the biggest box office movies from DIRECTV CINEMA™. We'll take you step by step through everything from pushing the POWER button to searching for and finding your favorite programs. This user guide applies to the DIRECTV® HD Receiver and the DIRECTV® Receiver. Because this user guide was designed to accommodate several models, your receiver and its user interface may vary slightly from what is shown here.

Getting Connected

If a professional installed your DIRECTV® Receiver, you are ready to start watching TV. If your receiver was not professionally installed or you just added a surround sound system or other equipment, please see Chapter 4: Settings.

IMPORTANT:

- You must subscribe to HD Access in order to be able to view the HD channels included in your programming package.
- DIRECTV hardware, programming, and HD Access fee available separately. For information and pricing regarding programming, and HD Access, please visit directv.com.

TABLE OF CONTENTS

● Welcome to the DIRECTV Family	5
● Product Information	9
● Safety & Care	10

CHAPTER 1: YOUR REMOTE CONTROL

● Your Remote Control	14
Turning Your Equipment On and Off	14
Navigation and Destination Buttons	15
Shortcut Buttons	15

CHAPTER 2: CHANNELS & PROGRAM INFO

● Program Guide	18
Local Channels	18
Unsubscribed Channels	18
HD & SD Channels	19
3D Channels	19
DIRECTV CINEMA™	20
Pay Per View Events	20
Interactive Channels	21

Mini Guide	22
Filtering the Guide	22
Guide Options	23

● Channel Banner	24
------------------------	----

● TV Options	24
--------------------	----

TVmail	24
Info	25
Last 5	25
Favorite Channels List	26
Close Captioning	26
Audio/Video Options	27
Parental Controls	27

● Menu	28
--------------	----

● Search for Shows	30
--------------------------	----

Search by Title	30
Search by Person	31
Search by Channel	31
Search by Keyword	32
Recent Searches	32

● Parental Controls	33
● Favorite Channels	38
● Manage Autotunes	39
To Do List	39
History	40
Purchases	40
Manual Autotunes	40

CHAPTER 3: EXTRAS

● Caller ID	42
● DIRECTV® Whole-Home DVR Service	43
● GameSearch™	48
● GSN Game Lounge	48
● Quicktune	49
● ScoreGuide™	49
● TV Apps	50

CHAPTER 4: SETTINGS

● Setup and Activation	52
Guided Setup	52
Activate Your DIRECTV® Service	52
● Connections	53
Your Phone Connection	53
Your Internet Connection	53
Connections for Auxiliary Equipment	54
● System Setup	59

CHAPTER 5: HELP & TROUBLESHOOTING

● Help	70
● Troubleshooting Tips	71
Reset/Reauthorize Your Receiver	71
On-Screen Error Messages	72
System Software Updates	72
Run the System Test	73
● Frequently Asked Questions	74

TABLE OF CONTENTS

CHAPTER 6: WARRANTY & OTHER INFORMATION

● Limited 90-Day Warranty	84
● DIRECTV Protection Plan	87
● FCC Customer Information	88
● Terms & Conditions for Use of Software	92

APPENDICES

● Appendix 1: Receivers Front and Back Panel	104
High-Definition Receiver	104
Standard-Definition Receiver	108
● Appendix 2: How to Network Your HD Receiver	112
● Appendix 3: About High-Definition	119
● Index	125

Keep your receipt to obtain warranty parts and service and for proof of acquisition. Attach it here and record the serial and model numbers in case you need them. *These numbers are typically located behind the card door on the front panel of your receiver.

Model No. *	
Serial No.	
Acquisition Date	
Dealer/Address/Phone	
Access Card *	
Receiver ID *	

Your DIRECTV® Receiver has been designed and manufactured to stringent quality and safety standards. You should, however, be aware of the following important precautions for safe and optimal use of the equipment.

Meaning of symbols printed on the rear panel of the product:



This symbol indicates that dangerous voltage consisting a risk of electric shock is present within this unit.



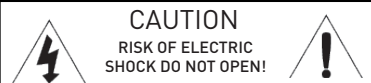
This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.

Important Safety Instructions

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with dry cloth.
- 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong 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 the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



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



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.

IMPORTANT: Be sure not to place your DIRECTV® Receiver near anything WET or HOT!
If this product is rated at 240VAC, a suitable attachment plug should be used.

CAUTION: Avoid moisture to reduce the risk of fire or electric shock. The DIRECTV® Receiver should not be used near water (for example, kitchen sink, bathtub, pool, damp basement). Also, never spill liquid on the receiver, and do not place vases or other vessels containing liquid on top of it.

TIP: We highly recommend plugging the DIRECTV® Receiver into a surge protector to prevent damage from fluctuations in your power supply.

- Ensure proper ventilation — the vent slots on the DIRECTV® Receiver must be left uncovered to allow proper airflow to the unit. Blocking the airflow to the unit could impair performance or damage your receiver and other components.
 - Do not stack electronic components or other objects on top of the DIRECTV® Receiver. Also, do not stack the receiver on top of a "hot component" such as an audio power amplifier.
 - Protect your components from power surges by connecting all the components before plugging any power cords into the wall outlet. Use of a surge protector is also recommended.
 - Don't overload power outlets or extension cords, which can result in the risk of fire or shock. It's also important to use only the type of power source indicated on the marking label or in this manual.
 - Avoid audio hum or interference by inserting all cable plugs firmly into their jacks. Also, place Audio/Video (A/V) cables to the sides of the TV back panel rather than down the middle once connected. Try not to coil any twin-lead cables and keep them away from A/V cables as much as possible.
 - Never insert objects of any kind into any openings in the DIRECTV® Receiver (other than the DIRECTV® Access Card as detailed in this manual).
 - Place it on a flat, hard surface — do not operate the DIRECTV® Receiver on a carpet or other padded surface.
 - Always unplug your DIRECTV® Receiver before moving it.
 - Always unplug the DIRECTV® Receiver, TV and other equipment before you connect or disconnect any cables.
 - The only way to disconnect the DIRECTV® Receiver from the power supply is to remove the power cord. The DIRECTV® Receiver unit must therefore be installed next to the power point which must be easily accessible.
 - **CAUTION:** Electric Shock — never attempt to disassemble the DIRECTV® Receiver yourself; always take it to a qualified service person when repair is required. Opening or removing covers may expose dangerous voltage or other risks, and incorrect reassembly can cause shock when receiver is subsequently used. Attempted self-repair may also void your warranty. Changes or modifications not expressly approved by the party responsible for compliance (by the warranty or by the manufacturer) could void the user's authority to operate the equipment.
 - Do not drop your DIRECTV® Receiver and always move it with care.
 - Have your DIRECTV® Receiver professionally serviced (do not attempt to service it yourself).
 - 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.
 - If you move your DIRECTV® Receiver between locations at different temperatures, allow it to reach room temperature before you apply power to it.
 - Do not pick up or otherwise move your DIRECTV® Receiver while it is connected to the AC power supply. If you want to move your set-top box, first disconnect it, then wait at least 30 seconds before continuing.
 - **CAUTION:** To reduce the risk of fire, use only No. 26 AWG or better telecommunications line cord.
 - **CAUTION:** Replace remote control batteries with same or equivalent type. There is danger of explosion if batteries are incorrectly replaced.
 - For your information: The identification sticker can be located behind the small door on the front panel of your receiver.
 - The telecommunication network voltage used is the category number 3.
- Note to Satellite Dish Installer:** This reminder is provided to call your attention to articles 810 and 820 of the 2005 National Electrical Code. Refer to article 810, in particular 810-1 and 810-15, for required grounding of the metal structure of the dish antenna. Refer also to the 810-2 which, by reference to article 820, requires that the satellite dish coaxial cable shield be connected to the grounding system of the building as close to the point of cable entry as practical.

CHAPTER 1 - YOUR REMOTE CONTROL

● YOUR REMOTE CONTROL	14
● Turning Your Equipment On and Off	14
● Navigation and Destination Buttons	15
● Shortcut Buttons	15

Your Remote Control

This universal remote control is your touch point to the system, so we'll start here.

Turning Your Equipment On and Off



Note: Each time you press a button, a green light at the top of the remote flashes. If the light flashes several times for just one press, it means the batteries (size AA) are getting low and need to be replaced.

These two buttons turn your TV and DIRECTV® Receiver on or off together. If your DIRECTV® System was installed professionally, your remote has already been programmed to operate your TV. If you need to reprogram the remote for a new TV or for any other reason, press MENU, select "Parental, Fav's & Setup," then "System Setup," then "Remote Control" (SD Receivers: "Remote") and follow the step by step instructions.

Mode Switch



Use the POWER (PWR) button and Mode Switch to turn a single component on or off (for example a DVD player or surround sound system). Simply slide the mode switch to the position that matches the component you want to control and then use the POWER button to turn it off or on. **The mode switch must always be in the left-most position to control your DIRECTV® Receiver.** If the mode switch is in a position that has not been programmed, or if you press a button that is not supported by that particular piece of equipment, an on-screen message will pop up to alert you.

Navigation and Destination Buttons



The buttons in the middle of the remote are navigation and destination keys. Press the **GUIDE** button to go to the program guide screen. Press the **ACTIVE** button to go to the DIRECTV Interactive Services home page. The **LIST** button takes you to the To Do List. Press **EXIT** to get out of any menu screen and return to live TV. Use the **ARROW** buttons and **SELECT** button to navigate through the guide or any menu screen. Press **BACK** to move back to the previous screen. The **MENU** key takes you to the main menu where you go to access all of the features available in your system. Press **INFO** on any show to see information about that show.

Shortcut Buttons



You can move through all of the DIRECTV user screens using only the direction **ARROW** buttons and the **SELECT** button as appropriate. However, the **RED**, **GREEN**, **YELLOW**, and **BLUE** buttons on the remote are special short cuts that change function depending on which menu screen you are looking at. As you use the system look in the bottom right of particular screens for hints that tell you which color button to use for a particular short cut. You'll see several examples in this chapter.



Shortcut hints

CHAPTER 2 - CHANNELS & PROGRAM INFO

● PROGRAM GUIDE	18
● Mini-Guide	22
● Filtering the Guide	22
● Guide Options	23
● CHANNEL BANNER	24
● TV OPTIONS	25
● MENU	28
● SEARCH FOR SHOWS	30
● PARENTAL CONTROLS	33
● FAVORITE CHANNELS	38
● MANAGE AUTOTUNES	39

Program Guide

To see what's showing, press the GUIDE button to display the onscreen program guide. The guide holds up to 7 days of programming for HD receivers and 3 1/2 days of programming for SD receivers. You can navigate in the guide as follows: use the ARROW buttons to move one cell at a time up/down/left/right; use the CHAN/PAGE button to scroll a whole page up or down; type in the channel number to go directly there. Look for the color-button hints at the bottom of the screen for shortcuts (use the GREEN button to move ahead in time 12 hours, once there use the RED button to come back 12 hours). If you press GUIDE twice, you'll see a screen that lets you filter the guide. See Chapter 2 "Program Guide, Filtering the Guide" for details.

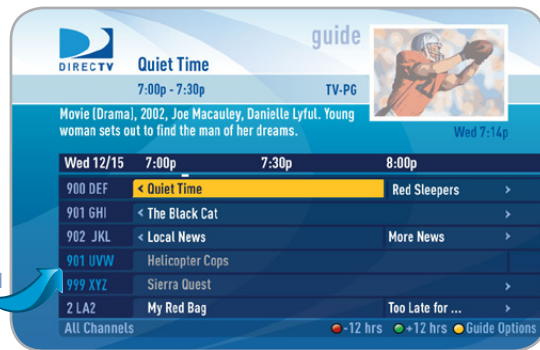
Local Channels

Your DIRECTV-provided local channels can be found in the guide from channel numbers 2 through 69.

Unsubscribed Channels

Channels in the guide that are not part of your subscription package are shown grayed out. You can customize your guide to hide those channels. See Chapter 2, "Favorite Channels" for details.

Unsubscribed
Channels



HD and SD Channels

DIRECTV has a tremendous offering of HD channels and they are spread throughout the guide. To find them, look for HD after the channel call sign (i.e. STZHD or CNNHD) in the channel column of the guide and also look for HD after the program title in the guide. If you want to see only the HD version of a channel in the guide go to Chapter 4, "System Setup, Display" for instructions.

3D Channels

High-Definition Receivers

Just like the 3D experience in movie theatres, DIRECTV 3D makes you feel like you could reach out and touch whatever you're watching. Just hook up your 3D HDTV, put on your 3D glasses and watch the best in entertainment virtually jump into your home.

3D channels are in the 100s series in the Guide, starting on channel 103. For a list of 3D programs, press GUIDE, press the YELLOW button and then select "Sort programs by category". Select "3D" and a list of 3D programs will display. Note that if you do not have 3D-capable hardware, you will not be able to tune to 3D channels.

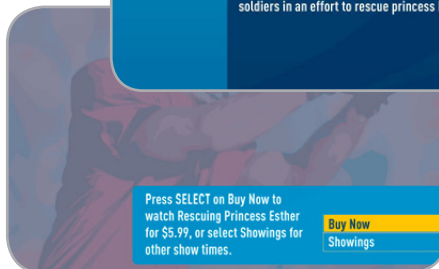


Note: There is no separate 3D fee but DIRECTV 3D programming is broadcast in HD and requires HD Access, HD receiver (HR21, H21 or later), compatible 3D HDTV and 3D glasses. CHOICE™ package or higher required for ESPN 3D. For more information, visit directv.com/3D

DIRECTV CINEMA™

You don't have to go out for the biggest box office movies! The latest hits are available 24 hours a day. Find them in the program guide starting at channel 125.

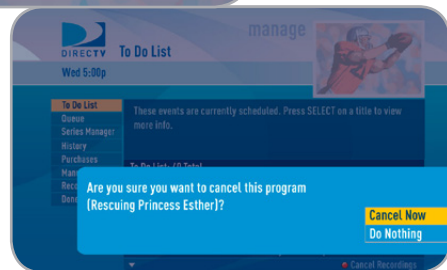
To order a movie from the program guide, highlight the title and press INFO on your remote. Select the Buy option and follow the onscreen instructions. As long as your receiver is connected to a land-based phone line or the Internet, you can use your remote to order. Otherwise, order at directv.com. If you order a movie in advance, you cancel it for any reason before the program starts airing. To cancel a purchase, press MENU, then select "Manage Autotunes," then "Purchases." Select the program, then select "Cancel PPV" to delete it.



Pay Per View Events

Special events like UFC, Boxing, WWE and more are listed in the program guide starting around channel 117.

Ordering PPV events works the same way as ordering DIRECTV CINEMA movies from the program guide. See above for details.



Interactive Channels

Interactive channels are unique. In addition to video and audio, they also contain a software application that lets you interact with what you see on screen. When accessing these channels you will have to wait a few seconds for the software to download.

- Press the ACTIVE button on your remote to get the latest weather, horoscopes, lottery results and more. The channel is ready to interact when the yellow highlight box appears.
- To exit an interactive channel, type in a new channel number or press GUIDE and pick the channel you want to move to.
- Other interactive channels such as, News Mix and Sports Mix let customers with a qualifying programming package see up to eight of the hottest channels on one screen. Move the yellow highlight box around using the direction arrows on your remote to hear the audio associated with each channel. If you want to see one of the channels full-screen, move the yellow highlight box over it and press SELECT.



Program Guide

Mini Guide

If you are watching a show and want a quick look at what's on next, press the BLUE button to display a one-line mini program guide. You can use it for the current channel or you can type in a new channel number to see what's on there. Press SELECT on the new show if you want to go to that channel.

One-line
mini-guide



Filtering the Guide

There may be times when you want to temporarily trim down the channels that are shown in the guide, filtering them according to the type of program you are looking for. For example, you may want to see just sports, movies or news. In this case, press GUIDE twice to display the guide filter.

Use the arrow keys to highlight the category you want and press SELECT. The guide will now show only that the channels that match that category. Look for the label in the bottom left of the guide to see how it is being filtered.

Note: Since the filtering is temporary, it only lasts as long as you keep the program guide up on the screen.



Look here to
see how the
guide is being
filtered.

Guide Options

From the program guide, press the YELLOW button to display “Guide Options.”

Sort Programs by Category

Select “Sort programs by category”, then select a category to see a list of shows in chronological order that match your selection.

Jump to a Date & Time

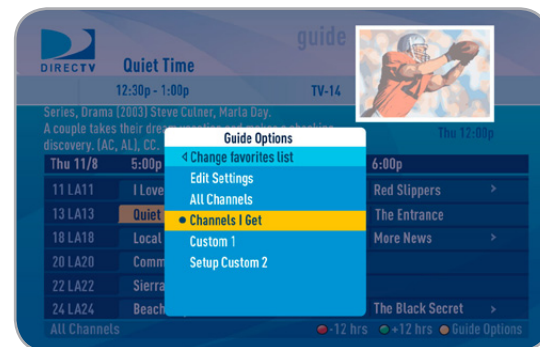
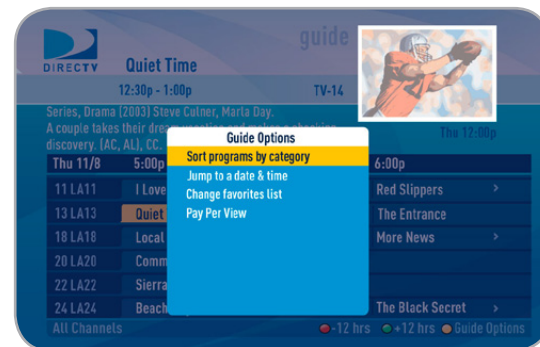
Select “Jump to a date & time” to quickly go to a future date and time in the guide.

Change Favorites List

By default, your program guide displays all channels offered by DIRECTV, some of which may not be in your programming package. “Change favorites list” allows you to toggle the channels displayed in your guide between the following: “All Channels,” “Channels I Get” (channels you subscribe to) or a custom list of channels you have defined. The “Edit Settings” option allows you to modify the channels in your custom list. See the “Favorite Channels” section in Chapter 2 for details.

Pay Per View

Select “Pay Per View” and then select either “All”, “Movies” or “Special Events”, to see a complete listing of what’s available in the guide in chronological order.



Chapter
1

Chapter
2

Chapter
3

Chapter
4

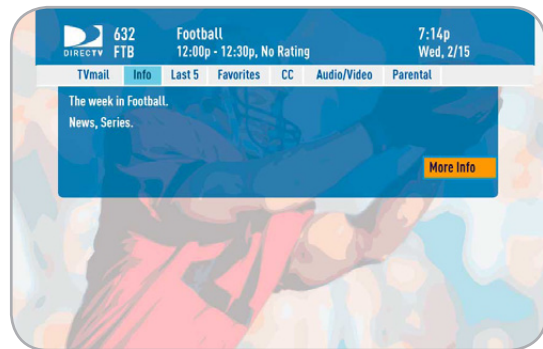
Chapter
5

Chapter
6

Channel Banner

When you find a current show in the guide you want to watch, press SELECT and the receiver changes to that channel. The channel banner briefly displays at the top of the screen, with program title, channel number, date, time and other information. You can also press INFO to display the channel banner while watching a program. Select "More Info" for detailed program information and other options.

On High-Definition Receivers the channel banner also provides easy access to TVmail, the last five channels you watched, Favorite Channels, Closed Captioning, Audio and Video options, and Parental Controls. Use the ARROW keys to highlight an option, then press SELECT.



TV Options

While watching TV you can press the INFO button for quick access to options such as, TVmail, Program Info, the Last Five channels you watched, Favorite Channels, Closed Captioning, Audio and Video options, and Parental Controls. On Standard-Definition Receivers, press the YELLOW button on your remote to display the TV Options menu.

TVmail

Select “TVmail,” to see your messages. DIRECTV sends messages to you for important news items or special promotions. We also notify you of software changes and new features that we download to your receiver. When you have new mail, an “envelope” icon appears in the channel banner.

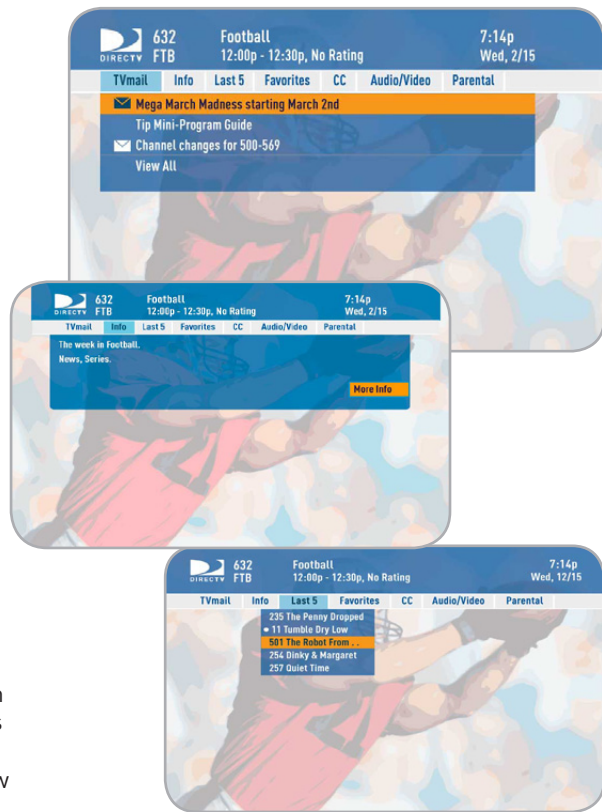
On SD Receivers and HD Receiver model H20, press MENU, select “TVmail & Caller ID,” “Edit Settings” and then “TVmail” to see your messages.

Info

Select “Info” to read a brief description of the program. For detailed program information and other options select “More Info”.

Last 5

Select “Last 5” to see a list of previous channels you’ve watched (up to 5). When you select a channel from this list, the receiver will tune to that channel. This is an easy way to toggle among the channels you watch most often. On Standard-Definition Receivers, press the YELLOW button on your remote and select “View Previous Channels”.



Chapter 1

Chapter 2

Chapter 3

Chapter 4

Chapter 5

Chapter 6

Favorite Channel Lists

Select “Favorites” to update the program guide to show only the channels you want to see. You have 4 options to choose from: “All Channels”, “Channels I Get”, “Custom 1” and “Custom 2”. Channels I Get displays only the channels you subscribe to. Custom 1 and 2 are self-created lists of your favorite channels. If one of your self-created lists is active, select the “Add...” or “Remove...” option to add or remove the current channel from that list.

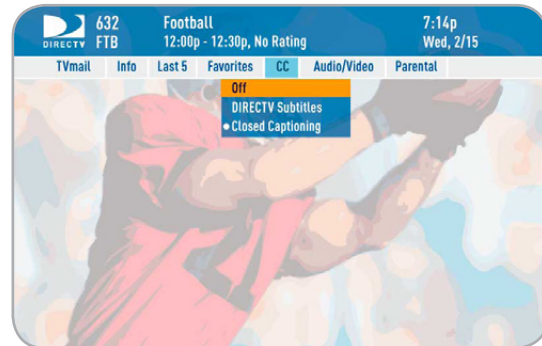
On Standard-Definition Receivers, press the YELLOW button on your remote and select “Change favorites list”.



Closed Captioning

High-Definition Receivers

Select the “CC” option, then select either “DIRECTV Subtitles” or “Closed Captioning” for the option you want. Both options display the same text so only one or the other can be “ON” at a time. The display format is the only difference so check out both to determine your preference. (Select OFF to turn the display of subtitles or closed captioning off.)



Audio/Video Options

Select “Audio/Video” to change the resolution and format of your display, and to change audio to an alternate language, when available. Select “Change Resolution & Format” to change the display settings. The current settings are shown in gray text. Select a language from options listed. Not all programs have alternate languages.

On Standard-Definition Receivers, press the YELLOW button on your remote and then select “Audio Options”.



Parental Controls

Select “Parental” to quickly lock or unlock your receiver. You can also customize your parental controls settings by selecting “Parental Controls”. For more information on parental controls settings, see the “Parental Controls” section later in this chapter.

Chapter
1Chapter
2Chapter
3Chapter
4Chapter
5Chapter
6

Menu

Use the main menu to access key system features. Press MENU on your remote to display the menu and press MENU again (or EXIT) to make it go away.

My Playlist

High-Definition Receivers

An optional menu item that appears at the top of your menu if you enable DIRECTV® Whole-Home DVR service. To learn more, go to Chapter 3, “DIRECTV® Whole-Home DVR service”.

Search for Shows

Finds shows by title, actor, or keyword that appear within the 7-day (3½-day for SD receivers) program guide. You can also search for channels here instead of browsing the entire Guide.

Manage Autotunes

Check to see the status of shows (past and future) your receiver is set to change to automatically. You can also see past Pay Per View purchases as well as, set an Autotune by channel and time.

DIRECTV® HD Receiver Menu



DIRECTV® Receiver Menu



TVmail

Messages from DIRECTV about new features and services, free previews as well as, tips & tricks.

Caller ID

Contains a log of phone calls into your home (assuming you have connected a land line and subscribe to Caller ID phone service from your telephone provider).

Help

High-Definition Receivers

A list of help topics and frequently asked questions that explain how to use your DIRECTV Receiver.

On HD Receivers (except model H20) "Help" can be found under "Parental, Fav's & Setup." For model H20, select "Customer Care & Help" and then select "Help".

Parental, Fav's & Setup

Set parental control limits, choose favorite channels for a customized program guide, and choose settings for your TV, remote, and your entire DIRECTV® System.

DIRECTV® HD Receiver Menu



DIRECTV® Receiver Menu



Search for Shows

Use the “Search for Shows” option to find programs based on Title, Person, Channel or Keyword. This powerful tool finds all programs that match your criterion within the 7-day [3 ½-day for SD receivers] program guide.

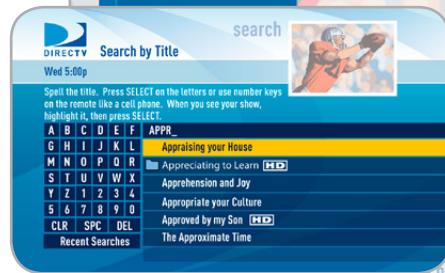
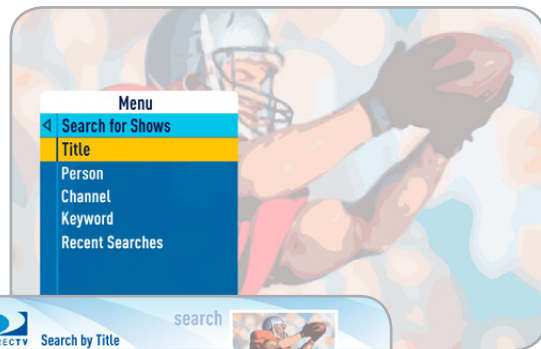
Press MENU on the remote, select “Search for Shows” and then select one of the following categories:

Search by Title

When you know the title you are searching for, enter it one letter at a time in the on-screen keypad by highlighting the letter you want and pressing SELECT. You can choose Delete (DEL) to get rid of the last letter or Clear (CLR) to start over if you make a mistake. You do not have to enter the initial article like “The” or “An.” **Each time you enter a letter, the search becomes more precise,** however you don’t always have to enter the complete title. Just the first few letters will usually get you close enough. Then you can move the highlight to the list on the right and scroll or page down until you see your title. Because your title can appear on several channels, it may have a folder icon next to it. Press SELECT on the show to bring up the information screen.

Standard-Definition Receivers

SD receivers do not have a “Recent Searches” button on the keypad.



Search by Person

Enter the first few letters of the person’s last name. You will see a list on the right side of the screen showing you actors, actresses, and directors. Select a name to see a list of programs associated with that person.

Search by Channel

The Search by Channel feature lets you type in a channel name to find it instead of surfing through the large DIRECTV Program Guide. Enter the first few letters of the channel name. In this case we typed in “BL” to find Bloomberg. Select your desired channel from the list on the right you will get a list of the shows scheduled on that channel.



Search by Person

search



Wed 5:00p

Spell the last name. Press SELECT on the letters or use number keys on the remote like a cell phone. When you see the name, highlight it, then press SELECT.

A	B	C	D	E	F	SPI_	
G	H	I	J	K	L	Spinning Around the House	
M	N	O	P	Q	R	Spill, John	
S	T	U	V	W	X	Spill, Michael	
Y	Z	1	2	3	4	Spill, Zoe	
5	6	7	8	9	0	Spina, Enrico	
CLR	SPC	DEL				Spinelli, Frederico	
Recent Searches							



Search by Channel

search



Wed 5:00p

Press SELECT on the letters or use numbers keys on the remote like a cell phone. When you see your show, highlight it, then press SELECT.

A	B	C	D	E	F	BL_	
G	H	I	J	K	L	Bloomberg Television	353 BTW
M	N	O	P	Q	R	Boomerang	298 Boom
S	T	U	V	W	X	Bravo	273 BRVOHD
Y	Z	1	2	3	4	BUY	318 BUY
5	6	7	8	9	0	BUZZ TV	243 BUZZ
CLR	SPC	DEL				BYU TV	374 BYU
Recent Searches							

Search for Shows

Search by Keyword

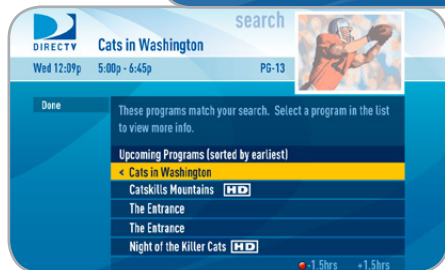
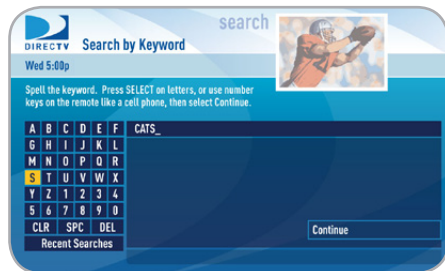
You can use the keyword search to find programs that don't fit into the Title or Person search criteria. For example, if you are looking for a show about cats, use the keypad to spell out "cats."

The search feature looks through show titles and descriptions for the keyword. The more specific you can be with your keyword, the better your search results will be. If you enter a word that is also part of a larger word, you may get unintended results. For example, if you enter "cats" you may get results that include "Catskills Mountains" as well as "Cats in Washington."

Recent Searches

This handy feature lets you go back to a list of your 25 most recent searches in case you want to update or reuse a search you used previously.

Press MENU, select "Search for Shows" and then select "Recent Searches".



Parental Controls

Parental Controls enable parents to place certain restrictions on just who's watching what, and requires a passcode to view restricted programming. Whether it's for mature content, spending amounts, or even the number of hours of TV watching allowed, you're always able to keep limitations where you want them for the whole family.

Press MENU, select "Parental, Fav's & Setup," select "Parental Controls," and then "Edit Settings". You'll see the current status, showing any restrictions. The system default is "unlocked" for all categories. On High-Definition Receivers you can also access Parental Controls by pressing INFO, then selecting "Parental", then "Parental Controls".

Lock Now

After setting the restrictions you want (see below for options), choose "Lock Now" from the left menu. You'll be asked to create a passcode. This passcode will be your entry to unlocking and adjusting limitations in the future.

An onscreen message will appear whenever anyone tries to tune to a channel or program that has been restricted, or attempts to spend or watch beyond limitations set. He or she will not be allowed to proceed without the passcode. Using your passcode, you can easily override the limits.

Note: If you have Parental Controls set and temporarily unlocked, turning the receiver off will turn parental controls back on.



Parental Controls

Unlock Now

When parental controls are locked, a message appears if you try to tune to a restricted program explaining why the program is blocked. To temporarily unlock a particular program select “Unlock Now” and enter your passcode. Making multiple entries aimed at guessing the passcode is discouraged by a time delay; each invalid passcode entered lengthens the delay for subsequent entry by one second.

For more unlock options, press MENU, select “Parental Fav’s & Setup”, then select “Parental Controls.” Various options for removing restrictions temporarily or permanently will appear. Select one and enter your passcode. On High-Definition Receivers you can also unlock Parental Control by pressing INFO while watching TV. Select “Parental” then “Unlock All” and enter your passcode.

Note: If you forget your passcode, call 1-800-531-5000 to reset it. You must be the registered account holder and have your account number.

Ratings Limits

The Ratings feature lets you set ratings limits for Movies, TV and unrated shows. From the left menu, select “Ratings Limits,” then select either Movies, TV or Other.

On SD Receivers, select “Ratings.” The Movies, TV and Other options are displayed as tabs. Use the RED and GREEN keys to select the desired tab.



Movies

Select the button next to the ratings limit you wish to impose. Brief descriptions of the ratings appear for your guidance.

TV Programs

Select the TV ratings limit you desire. In addition, you can also set ratings limits for particular types of content (for example, Fantasy Violence (FV), Dialogue (D), Language (L), Sexual Content (S) and Violence (V)), each of which is described when highlighted.

Other Shows

Block or allow programming that has no rating — such as news and sports.

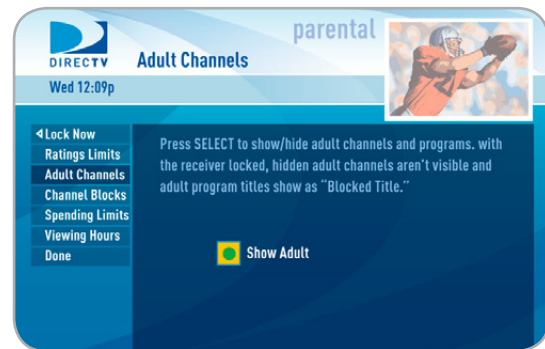


Adult Channels

High-Definition Receivers

Select "Adult Channels" then press SELECT again to completely hide adult channels in the program guide, Manage Autotunes screens, and when channel surfing.

Pressing SELECT on "Show Adult" toggles between Show Adult and Hide Adult.



Channel Blocks

Prevent children from viewing pre-selected channels. Select "Channel Blocks" (or "Chan Blocks" on SD Receivers). Scroll down the channel list and select those you wish to block. You can also key in channel numbers for quicker access. Use "Block All" or "Allow All" to save time.

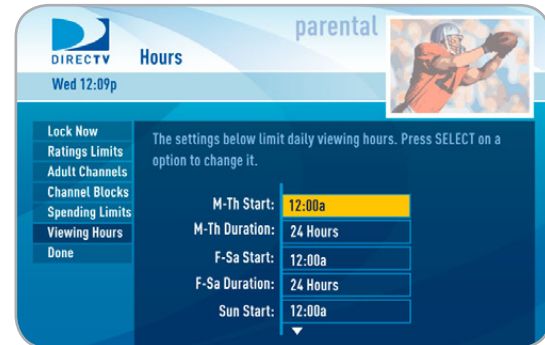
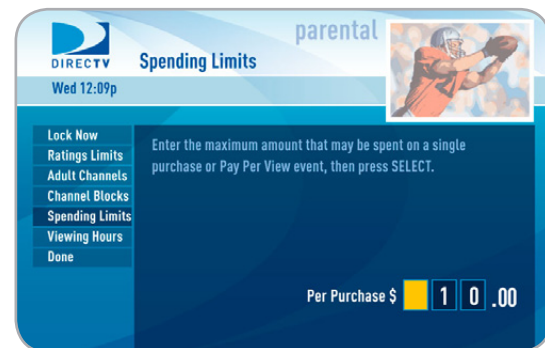


Spending Limits

Limit the amount that can be spent on each Pay Per View purchase. Select "Spending Limits" (or "Spending" on Standard-Definition Receiver). Then enter your preferred spending dollar limit using the numbers on your remote.

Viewing Hours

Specify days and times when TV watching is allowed in your household. Select "Viewing Hours" (or "Hours" on SD Receivers), then select the start times and durations for viewing. You can set hours based on "school nights" -- Monday-Thursday - and/or weekend nights -- Friday-Saturday, and Sunday.



Chapter
1

Chapter
2

Chapter
3

Chapter
4

Chapter
5

Chapter
6

Favorite Channels

Create lists of your favorite channels. Use your list to see only those specific channels listed in the guide as well as, when you're channel surfing in live TV. You can create up to two custom lists on this receiver. You can also choose "Channels I Get" to see only the channels that are in your DIRECTV programming package.

Press MENU on your remote, select "Parental, Fav's & Setup," then "Favorite Channels." If you haven't created a Favorites list, the "Setup Custom 1" and "Setup Custom 2" options will be displayed. Select the one you want, and follow the onscreen instructions to create and name your list.

Selecting a Favorites list makes it active and hides the display of all other channels in the guide. From the program guide, press the YELLOW button on your remote, select "Favorites" and then select the list you want to make active. The name of the currently selected Favorites list is displayed in the bottom left of the program guide screen to remind you which list you are currently using. To return to displaying all channels, press the YELLOW button while in the guide, select "Change favorites list", and select "All Channels".



Manage Autotunes

You can select future programs in the Guide to set up an “autotune,” which causes your receiver to automatically tune to the program when it airs. This way, you can be sure never to miss a favorite program, or, you can use autotune to record a program using a connected video recorder.

From the Guide or Mini Guide, you can press the ENTER key on a highlighted program to schedule it to autotune with default options.

- Pressing ENTER once schedules the highlighted program to autotune. An autotune icon is displayed next to the program title to let you know it is scheduled.
- Pressing ENTER again cancels the autotune.

Once you’ve set up autotunes, you can view the status and history of those autotunes. Press MENU and select “Manage Autotunes” to access the following options:

To Do List

“To Do List” contains all of the autotunes your receiver is set to make in the future. The icons next to the titles indicate whether the autotune is a single event, or part of a series, or an autotune based on a person or keyword search. The list is ordered by time with the next autotune at the top and the furthest in the future at the bottom. You can use this screen to make sure your autotunes are properly scheduled or to cancel scheduled autotunes. Canceling autotunes is easy. Simply highlight the show you want to cancel and press the RED button on the remote.



History

Provides status information for every autotune scheduled, whether they were tuned, canceled or deleted. If you think something should have been autotuned, but wasn't, check here to look for an explanation.

Purchases

Provides status information for all Pay Per View programs that were bought and, if viewed, the date and time.

Manual Autotunes

There may be times when you want to set up a manual autotune based on channel, time and date. In this case, select "Manual Autotune" and enter all of the options as you wish, including whether you want this to be a one-time or recurring autotune (i.e. every Tuesday), channel, day and date, start time and duration. You can schedule a manual autotune up to 12 days in advance.

The image displays three overlapping screenshots of the DIRECTV user interface, specifically the 'manage' section. Each screen has a sidebar with navigation options: To Do List, History, Purchases, Manual Autotune, and Done.

- History Screen:** Shows a message: "This pay per view was autotuned at 4:00p, Wed 11/5. The program will be deleted if not viewed by Thu 11/6 5:00p." Below this is a table titled "History: 20 Total".

Surfer Kid	Today	4:00p	Tuned
Software Download	Tue 11/4	8:00p	Failed
Software Download	Mon 10/18	9:30p	Received
Software Download	Fri 10/01	9:00p	Received
Software Download	Fri 09/17	8:00p	Received
- Purchases Screen:** Shows a message: "This list includes up to 25 past or future purchases. Press SELECT on a purchase to view more info." Below this is a table titled "Purchases: 9 Total".

Princess Esther	Fri 5/9
The J. Bee Street	Thu 5/8
Expressions of Love	Tue 4/29
Sadness & Happiness	Mon 4/28
Unforgiven Past	Sun 4/27
- Manual Screen:** Shows a message: "Press SELECT on an option to change it, then select Set Autotune to schedule this time slot. A reminder will appear 2 minutes before start time." Below this are input fields for Autotune (Once), Channel (631 FTB), When (Today), Start (12:35PM), and Duration (01hr00min). At the bottom right are two buttons: "Set Autotune" and "Don't Autotune".

CHAPTER 3 - EXTRAS

● CALLER ID	42
● DIRECTV® WHOLE-HOME DVR SERVICE (HD Receivers)	43
● GAMESEARCH	48
● GSN GAME LOUNGE	48
● QUICKTUNE	49
● SCOREGUIDE™	49
● TV APPS	50

Caller ID

This feature allows you to configure and review your Caller ID .

Note: You must subscribe to caller ID service through your phone company and your receiver must be connected to a phone line.

To set up your receiver to display Caller ID, press MENU, select "Caller ID" then select "Turn On Notices." When the Notification option is on, you'll see a notice on your TV screen whenever a call comes in. You can review your 25 most recent calls in the call log at any time. To see your call log, press MENU, select "Caller ID" and then select "Call Log."

On SD Receivers, set up your receiver to display onscreen call notices as follows: Press MENU, select "TVmail & Caller ID," then "Turn On Notices." To display your Call Log, select "TVmail & Caller ID," select "Edit Settings", then select "Caller ID."



DIRECTV® Whole-Home DVR Service

With DIRECTV's Whole-Home DVR service and the proper equipment, it's like having a DVR in every room. Now even rooms with HD Non-DVR receivers can schedule and watch recorded programs. Start watching a recorded program in one room, stop it, and then continue watching it in another room.

Here's how it works:

1. Network Your Receivers:

When your HD DVR and HD Non-DVR receivers are networked, it allows them to share content. This is typically completed by an installer during your installation appointment. To learn more about upgrade and eligibility requirements, go to directv.com/wholehome. To get a quick understanding of how recorded content is shared by your household, skip to step 7.

Note: To access DIRECTV® Whole-Home DVR service functionality, you need a DIRECTV Plus HD DVR receiver (models HR34, HR24, HR20-HR23 with DECA), an additional Whole-Home-capable receiver (models H25, H24, HR24, HR34, H21 with DECA, H23 with DECA, R22 with DECA, HR20-HR23 with DECA) for each TV, a SWiM network, HD Access, DVR service and DIRECTV® Whole-Home DVR service. There is a limit of one remote viewing per DVR at a time. For Whole-Home DVR to function, your receivers should never have an Ethernet cable connected, unless it is connected to a DECA. H24, H25, HR24 and HR34 receivers should never have a DECA installed.



2. Activate DIRECTV® Whole-Home DVR Service:

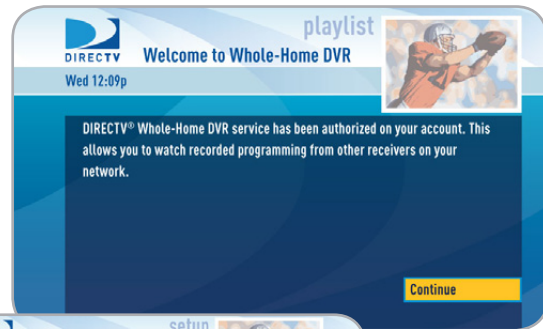
Once DIRECTV® Whole-Home DVR service is activated on your account, press the LIST button on your remote. The message on the right will display, confirming the service has been enabled. Select “Continue”.

Note: Service activation and location naming are typically performed by the installer during your installation appointment.

3. Name Your Locations:

You'll be prompted to give each receiver a name. We refer to this as “Location.” We recommend using a name that you'll easily associate with the room or its location, such as, “Living Room.” The name must be 14 characters or less. You must be at the receiver to assign its name.

After you've assigned a Location Name, you can change it as follows: Press MENU, select “Parental, Fav's & Setup,” “System Setup,” “Whole-Home” and then “Name Location.”



4. Set Playlist Sharing Options (HD DVR only):

During initial setup, if the receiver is an HD DVR, you'll be prompted to set the following Playlist sharing options:

- **Share Playlist**

An HD DVR has the option to share its Playlist with other receivers. Let's say you have an HD DVR in your Den, an HD DVR in your Master Bedroom, and an HD Non-DVR in your Kitchen. If you set Share Playlist to "No" in the Master Bedroom, the other rooms (Den and Kitchen) won't be able to access the Master Bedroom's Playlist.

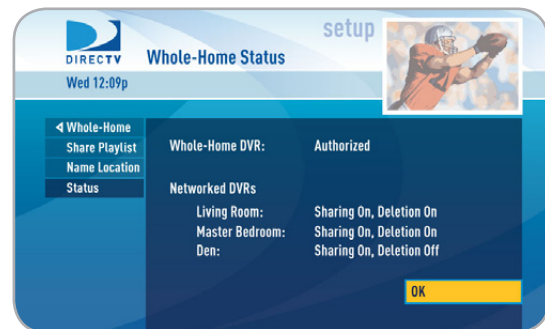
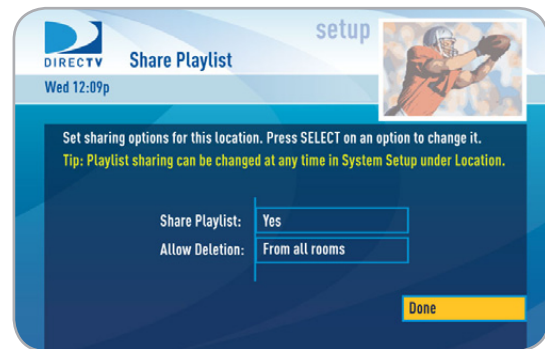
- **Allow Deletion**

An HD DVR has the option to prevent another location from deleting programs that were recorded by that HD DVR. In our previous example, if the DVR in the Den is set to allow deletion "From this room only", a person trying to delete a program (recorded in the Den) from the Master Bedroom or Kitchen would be prevented from doing so.

You can change sharing options at any time. Press MENU, select "Parental, Fav's & Setup," "System Setup," "Whole-Home" and then "Share Playlist."

5. View Status:

To view the Whole-Home status for all your connected HD DVRs, press MENU, select "Parental, Fav's & Setup," "System Setup," "Whole-Home" and then "Status." This screen indicates if DIRECTV® Whole-Home DVR service is authorized, as well as the Playlist sharing settings for all networked HD DVRs.



6. Record Programs:

If you're in a room with an HD DVR, and you've authorized DIRECTV® Whole-Home DVR service, you'll still record programs in the same way you did before.

If you're in a room with an HD Non-DVR receiver, once you authorize DIRECTV® Whole-Home DVR service you're able to request programs to record.

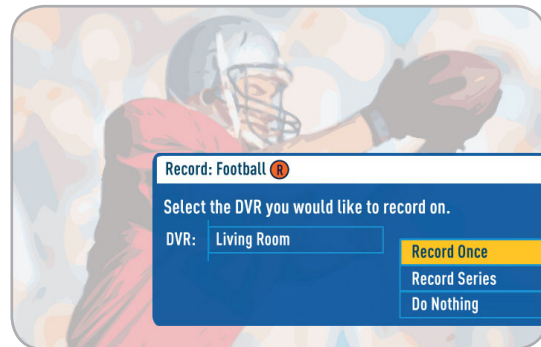
- To record a show you're currently watching or to record a highlighted program in the Guide, press the orange REC (record) button. A message displays on screen asking you to select the HD DVR you would like to record on; then select either "Record Once" to record the current episode, "Record Series" to record the entire series or "Do Nothing" to cancel your request.

Note: Pressing the REC button twice to record a series or pressing it three times to cancel the request does not work on Non-DVR receivers.

You can also book a recording from a program's Info screen. To record a program you're currently watching or to record a highlighted program in the Guide, press the INFO button and select either "Record Once" or "Record Series."

- If your recording (requested from a Non-DVR receiver) conflicts with other recordings already scheduled on the DVR, a message will display letting you know that your program cannot be recorded.

Tip: Adding a second HD DVR to your DIRECTV® System doubles your recording capacity. Don't worry about having to remember which DVR you recorded your shows on. Whole-Home DVR service keeps things simple by giving you a single, unified playlist of all your recordings on any connected TV.



- Recordings can be deleted from any connected receiver. However, to check the status of scheduled recordings on the To Do List or to change the priority of a series you've scheduled to record, go to the HD DVR, press MENU and select "Manage Recordings" for options.

7. Watch Recorded Programs:

By networking your receivers, the recordings from all the HD DVRs in your household are combined into a "shared" Playlist. The shared Playlist is accessible by all networked receivers, even if the receiver is not a DVR! To access the Playlist, press the LIST button on the remote control or press MENU, and select "My Playlist". Highlight a show and press SELECT to play. If you've already watched part of the show in another room, you can select "Resume" to pick up where you left off. You can use any of the DVR control buttons such as PAUSE, FFWD, ADVANCE, etc... while watching your recorded show.

You can limit access to programs with Parental Controls. See Chapter 2, "Parental Controls" for details. Your parental control settings restrict access to both recorded and live programs. Parental controls must be set at each receiver.

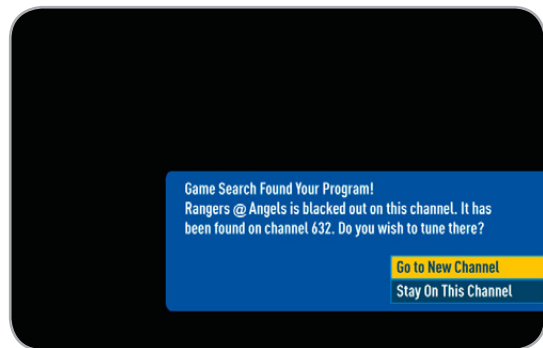
To delete a program from your Playlist, use the arrow keys to highlight the desired show and press the RED button. You'll then be asked to confirm the deletion.



Note: Only two locations can access a recorded program at the same time (the HD DVR the program was recorded on and one other location). If a third location tries to playback a recording, a message will display explaining that the program is not available.

GameSearch™

Sports blackouts, a long time source of frustration and confusion for sports fans, occur when a sporting event is not televised in a certain area. But thanks to DIRECTV's cutting-edge technology, whenever you tune to a channel with a blacked-out game, GameSearch™ recognizes the blackout and immediately looks to see if the game is on another channel. If a broadcast of the game is found, GameSearch displays an on-screen message that gives you the option to tune to that channel. If it can't find one, an on-screen message will let you know the game is not available.



GSN Game Lounge

The GSN Game Lounge service contains memory and skill games that you can play onscreen using only your remote. There are free as well as subscription-only games to play. If you become a top scoring player, you will see your name on the leader board.



QuickTune

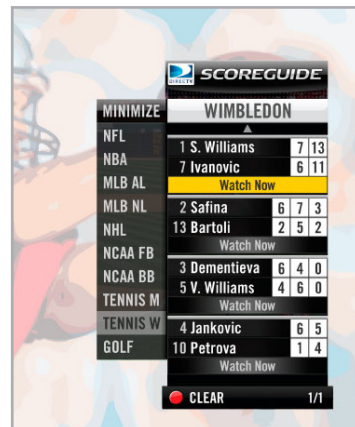
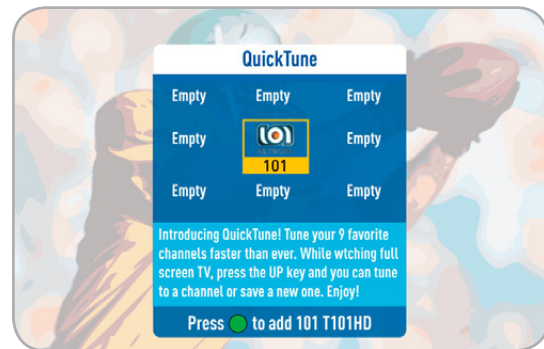
High-Definition Receivers

Use QuickTune to get to your 9 “must see” channels fast! While watching live TV, press the UP arrow on your remote control. A display with spots for 9 channels will appear on screen. To fill the spots, press the GREEN button on your remote control. The channel you are currently viewing will be added to the QuickTune display. After you’ve made all your picks, press the UP arrow whenever you want to bring up the application. Use the arrow keys to highlight the channel you want to watch and then press SELECT.

Note: This feature is not available on model H20.

ScoreGuide™

Interactive content, like scores, statistics and other information, is also provided along with some of our special sports and entertainment channels. Look for an on-screen popup that lets you know when interactive content is available and follow the on-screen instructions to use the interactive features.



TV Apps

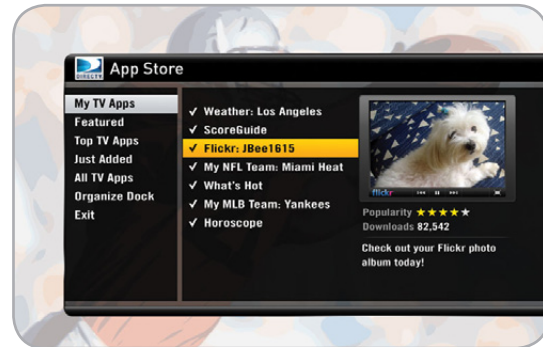
High-Definition Receivers

With DIRECTV's exciting FREE TV Apps, like Flickr, ScoreGuide™, 5-Day Weather Forecast and Webcams, you can view your favorite pictures, get up to the minute scores, check your local weather, see live feeds of popular vacation sights and much more — without missing a second of what you're watching, all at the press of a button. To enjoy TV Apps, your HD Receiver must be connected to the Internet. See Appendix 2: How to Network your HD Receiver for instructions.

How It Works:

- Press the Right Arrow button on your remote control to launch TV Apps. Select the DIRECTV App Store icon at the top of the TV Apps Dock and choose the apps you want. You can also go to the online DIRECTV App Store on your computer, at directv.com/tvapps.
- Whenever you want to access your TV Apps, just press the Right Arrow button and select the App you want to use.

Note: This feature is not available on model H20.



CHAPTER 4 - SETTINGS

● SETUP AND ACTIVATION	52
● CONNECTIONS	53
● SYSTEM SETUP	59
● Info & Test	59
● Display	60
● Audio	62
● HDTV	63
● Network Setup	65
● Remote Control	65
● Satellite	66
● Whole-Home	67
● Reset	67

Guided Setup

If your receiver was not professionally installed, or you have had to reset your receiver for any reason, you will need to follow the guided setup screens before starting DIRECTV service.

1. Make sure the MODE switch at the top of the remote control is set to DIRECTV, which is the far-left position.
2. Press PWR. The DIRECTV® Receiver will turn on. (Make sure your TV is also turned on!)
3. The first screen will allow you to select a language. Using the arrow keys on the remote control, move to the language you prefer and press SELECT.
4. Follow the onscreen instructions.

After these setup procedures are complete, you'll see a message onscreen that says, "Acquiring Satellite Info". Your receiver is gathering information from the satellite for the onscreen program guide. Next you'll be asked if you want to program your remote to control other equipment such as your TV and/or DVR player.

Activate Your DIRECTV® Service

Once all the setup processes are complete, all that's left to do is activate your DIRECTV® service. Be sure to:

1. Have on hand your service address, social security number and a valid major credit card.
2. Note your receiver ID and access card numbers. The receiver ID is on a sticker behind the access card door on the front of the receiver, while the card number is on the access card itself. Use the Product Information page to note this information.
3. When you're ready, just call 1-800-531-5000 to pick the programming package that's right for you and subscribe to DIRECTV service.

Your Phone Connection

Connecting your receiver to a land-based telephone line saves you money because it allows you to purchase Pay Per View movies and special events without calling DIRECTV to order. It is required for sports package subscriptions and is also used to enhance the interactive features available on our interactive channels. The receiver uses a toll-free number once a month for a few minutes duration and is designed not to interfere with your regular phone service. You will need an RJ11-type modulator jack (the most common type of phone jack). If you disconnect the phone line, the receiver will not allow you to purchase PPV programs and some features of our interactive channels will be limited. If your receiver is connected to the Internet, either directly or via a DIRECTV Home Network connection, you do not need to be connected to a phone line. See “Your Internet Connection” below.

Do not connect your receiver to a digital PBX phone system — doing so may permanently damage your equipment and void your warranty.

Your Internet Connection

Connecting your DIRECTV Receiver to the Internet and your home network gives you access to features like TV Apps and more.

The instructions for connecting to a network are different depending upon whether you have Whole-Home DVR Service. Please see Appendix 2.

Note: For the most current options and instructions to connect your receiver to the Internet, please visit directv.com/getconnected.

Connections for Auxiliary Equipment

If you upgrade your TV, get a new DIRECTV Receiver, or add new equipment such as a surround sound system, DVD player or burner, or VCR, you have various options for connecting your equipment. All of the video and audio outputs on your receiver offer good quality. Pick a video and audio output from the following lists based on the connectors your receiver and TV support; they are listed in order, with the highest quality options at the top of each list. Not all connectors are available on all receivers and TV models. SD receivers do not support HDMI, component video or digital audio.

Note:

- Not all cables come with your digital satellite receiver; you may need to purchase additional cables depending on your setup.
- Never connect an IN to an IN or an OUT to an OUT. All A/V jacks and inputs are color-coded. Always match the color of the plug to the same color of the jack.
- To obtain the best picture quality, make sure the receiver is connected directly to the TV.
- Due to restrictions imposed by copyright holders, certain programming may include content protection measures that may restrict viewing or recording with certain consumer electronics equipment attached to the receiver. Please contact the manufacturer of such equipment for additional information.

WARNING:

Do not connect your receiver (or any other equipment, such as a TV or VCR) to the AC power supply until you have properly connected all the other cables.

Video Connections

- HDMI [High-Definition Multimedia Interface] provides the best digital video and digital audio in one connector. (Not available on SD receivers.)
- Component Video Output (YPbPr) provides high-quality video, but does not provide audio. You will need to connect audio separately using the digital audio or RCA audio connectors. Newer receivers (model H25) have an "A/V Out" connector that provides Component Video and RCA audio output in a single, custom cable. (Not available on SD receivers.)
- S-Video provides good video, but does not provide audio. You will need to connect audio separately using the digital audio or RCA audio connectors. (Not all receivers have S-Video outputs.)
- RCA output (composite video) provides good video and usually comes bundled with three cables for one video and two audio channels.

Audio Connections

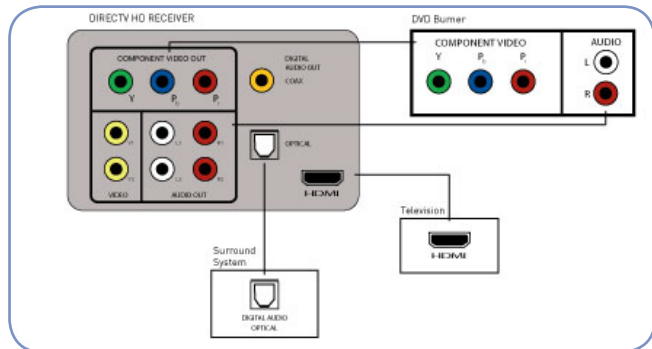
- HDMI [High-Definition Multimedia Interface] provides the best digital video and audio in one connector. (Not available on SD receivers.)
- Digital Audio Optical provides excellent quality digital audio and is often used on newer surround sound and DVD equipment. (Not available on SD receivers.)
- Digital Audio Coax provides high quality digital audio and is also found on newer surround sound and DVD equipment. (Not available on SD receivers.)
- RCA outputs provide good audio quality and are found on older auxiliary equipment.

There are so many makes and models of TVs and auxiliary equipment, it is impossible to fully describe all of the possible connections between them and your receiver. Refer to the manuals for that equipment to see the connection options specific to each make and model. The following images show examples of how your receiver may be connected, using the supported video and audio connections for the TV, the surround sound, and the DVD player/burner or VCR. Several models of DIRECTV Receivers are shown, given you a variety of connection options to your TV and other equipment.

Example: TV with HDMI Connector

Here is an example using a TV that has an HDMI connector as the best video/audio input and a surround sound system that has a digital audio optical connector as the best audio input, connecting to a DIRECTV HD Receiver.

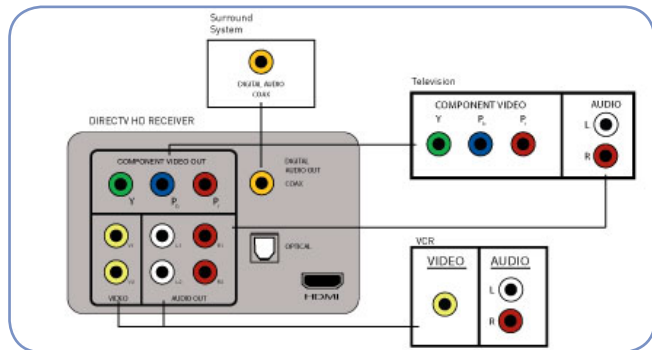
This example also shows using a DVD burner with RCA audio and component video connectors.



Example: TV with Component Video Connectors

Here is an example using a TV that has component video connectors as the best video input with RCA audio connectors as the best audio input and a surround sound system that has a digital audio coax connector as the best audio input.

This example also shows using a VCR with RCA audio and video connectors.



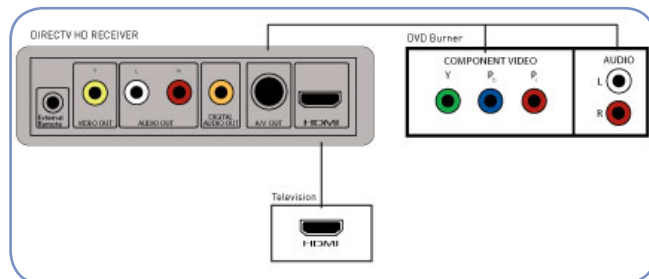
Receiver with A/V Out Connector

Some HD receivers have a special A/V Out connector that supports either component or RCA (composite) video. Receiver model H25 comes with the A/V Out cable that supports component video and RCA audio. You can also purchase an optional cable with A/V Out to RCA audio and video (composite) connectors.

Example: Using the A/V Out Component Video Cable

Here is an example using a TV that has an HDMI connector as the best audio/video input.

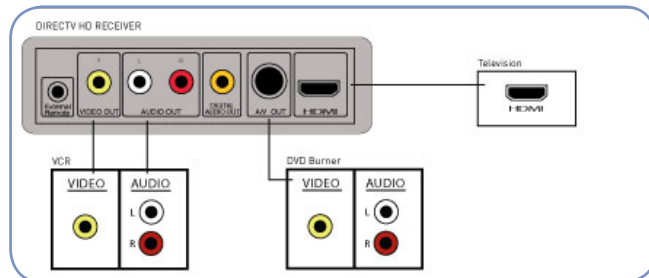
This example also shows connecting your receiver to a DVD burner using the AV Out cable that comes with your receiver for component video and RCA audio connections.



Example: Using the A/V Out RCA Video (Composite) Cable

Here is an example using a TV that has an HDMI connector as the best audio/video input.

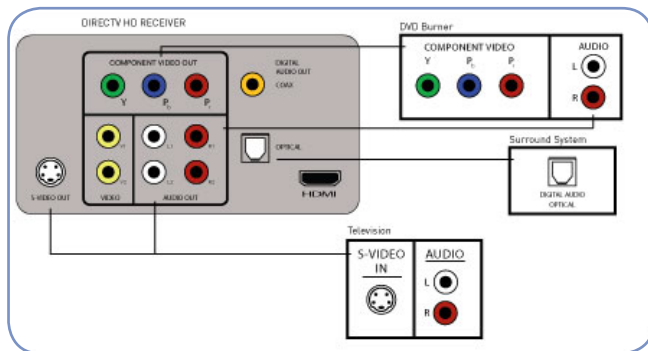
This example also shows using a DVD burner using the optional A/V Out cable with RCA video and audio connectors, and a VCR using RCA video and audio connectors.



Example: TV with S-Video Connector

Here is an example of a TV that has an S-Video connector as the best video input and RCA audio connectors as the best audio input and a surround sound system with a digital audio optical connector as the best audio input. (Not all receivers have an S-Video connector.)

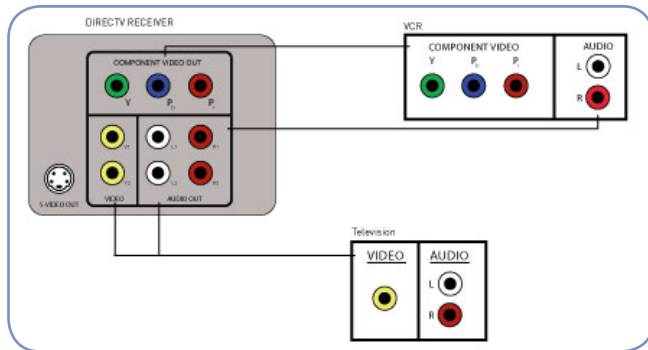
This example also shows using a DVD burner with component video connectors and RCA audio connectors.



Example: TV with RCA Connectors

Here is an example of a TV that has RCA connectors as the best video input and RCA audio connectors as the best audio input.

This example also shows using a VCR with component video connectors and RCA audio connectors.



System Setup

Press MENU, select “Parental, Fav’s & Setup,” then “System Setup.” Go to System Setup to review or change your system settings which include: audio options, video format, TV resolution, network setup, remote control setup and more.

Info & Test

Select “Info & Test” to display the System Info & Test screen. Select “Run System Test” to initiate a test of the tuners, access card, receiver ID and phone line.

Note: Running the System Test may interfere with live TV and scheduled autotunes.

Select “More System Info” to review your basic system information such as receiver model, receiver ID, access card number, software version etc... as well as, current receiver settings. This information can be useful during troubleshooting.

For SD Receivers select “Info & Test” and then press the GREEN and RED buttons on your remote to move between the System Info and System Test screens.



Display

Select “Display” and then select either “Preferences”, “Captioning” or “Clock”. For SD Receivers select “Display” and then press the GREEN and RED buttons on your remote to move between the Preferences, TV Ratio and Time Zone screens.

Preferences

These are user interface display settings which include:

- **Guide HD Channels (HD Receivers ONLY):** Choose whether you want the guide to show you HD channels and their duplicate SD channels or to hide the SD duplicates.
- **Guide shows:** Select whether you want the first press of the GUIDE button to take you directly to the program guide or to go to the category filter first. No matter which one you choose, pressing GUIDE a second time shows you the other option.
- **Language:** Select your preferred on-screen text language.
- **Scrolling Effects:** Turn scrolling effects on or off. This affects the appearance of large text areas when they scroll.
- **Banner Time:** Set the channel banner time to determine how quickly the banner disappears after moving to a new channel.



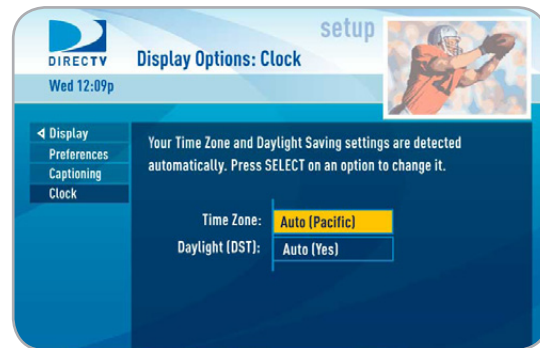
Captioning

High-Definition Receivers

On HD receivers, select “Captioning” to turn closed captioning on or off, and to select the font style, size and color for the display of captions.

Clock

Select “Clock” (or “Time Zone” on SD Receivers) to set your time zone and whether you want the receiver to show Daylight Savings time or not.



Audio

Select “Audio” to make a persistent change to your audio settings.

Audio options include:

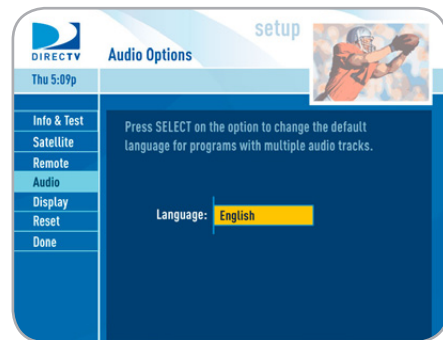
- **Language:** Select your preferred audio language, i.e. English, Spanish, Chinese, etc...
- **Sound Effects:** Select the volume of sound effects
- **Dolby® Digital:** Select whether you want Dolby Digital audio output on or off, i.e. for a surround sound system.

Not all TV programs deliver Dolby Digital 5.1 audio. Look for the Dolby Digital icon in the program description and Channel Banner.

HD Channels include 5.1 surround sound when available from the programmer. Additional equipment is required and sold separately. “Dolby” and the double-D symbol are trademarks of Dolby Laboratories.

For SD Receivers select “Audio” and then press the GREEN and RED buttons on your remote to move between the Language, Sound Effects and Dolby® Digital screens.

SD Receivers



HD Receivers



HDTV

High-Definition Receivers

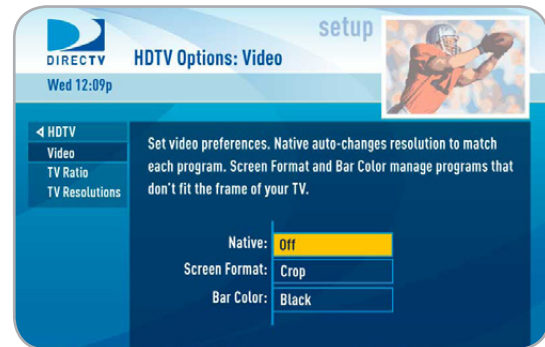
Select “HDTV” and then select either “Video”, “TV Ratio” or “TV Resolution”. You may want to review Appendix 3, About High-Definition, which describes HD formats and resolutions. You can also access these setting by pressing INFO, then select Audio/Video and choose the desired settings.

Note: To change your screen format and resolution temporarily, press INFO on your remote, select “Audio/ Video” from the Channel Banner and select “Change Resolution & Format”.

Video

Set your preference for the following screen options: Native, Screen Format and Bar Color.

- **Native:** You can turn Native mode ON or OFF. When Native Mode is ON, your TV auto-changes to match the resolution of the program coming into the receiver. For example, if Native mode is ON and a program is being broadcast in 480p, your HD Receiver tells the TV to show it in that same format. If the next program changes to 1080i, the receiver tells the TV to change to that format. Native mode slows down the system’s response time to channel changes since the receiver and TV must adjust the picture resolution at every channel change. Because of this, the default setting is OFF. When Native Mode is OFF, your receiver will display the program at the highest resolution set on the “TV Resolutions” screen.



High-Definition Receivers

- **Screen Format:** When a program is broadcast in a format that does not fit your TV screen, your receiver adjusts the picture size. Options include Original Format, Pillar Box (Widescreen 16:9 HDTVs only), Letterbox (Standard 4:3 HDTVs only), Stretch and Crop. If you're watching a widescreen movie on a Standard 4:3 TV, you may want to choose "Letterbox" which places bars on the top and bottom of the screen. If your HDTV is 4:3 aspect ratio, you may want to "Crop" or cut off the content at the left and right side of the screen while preserving the proportion of the picture that remains. You can also "Stretch" the picture vertically or horizontally to fill up the screen.
- **Bar Color:** Select the Bar Color option to set the color of the bars displayed when you view programming in Letterbox or Pillar box modes.

TV Ratio

Set the aspect ratio that matches your TV. Options are Standard 4:3 or Widescreen 16:9.

TV Resolutions

Select the resolutions your TV can support so your receiver can pass the proper signal. To find the resolutions your TV supports, check the user's guide that came with your TV. If you select a resolution your TV doesn't support, the receiver will reset the setting after a few seconds.



Network Setup

High-Definition Receivers

Select “Network Setup” to configure and test the connection of your receiver to the Internet. See Appendix 2 for details.

Note: This option is not available on model H20.

Remote Control

When the MODE switch on your remote is in the left-most position, it controls your DIRECTV receiver. However, you can also program the AV1, AV2 and TV positions to control other equipment such as your TV, DVD, VCR or Stereo. From System Setup, select “Remote Control” (SD : “Remote”) and then “Program Remote.” It is helpful to know the model number as well as the brand of the equipment to produce the best results when programming the remote. To clear current AV1, AV2 and TV settings use the “Reset Remote” option.



IR/RF Setup

High-Definition Receivers

Certain remote control models feature RF (radio frequency) capability. Refer to the model number printed on the top left corner of your DIRECTV Remote Control. Look for the letter(s) "R" or "RB" at the end of the model number which indicates that the remote supports radio frequency. To change your remote method of transmission from Infrared (IR) signals to RF, select "Remote Control" and then "IR/RF Setup". While IR transmission requires a clear line of sight to the front of the receiver, RF transmission lets you put your receiver inside a cabinet or behind solid doors and still be able to command it from up to 200 feet away.

Satellite

This option is typically only used by installers when your system is initially set up. However, you can come here to see the satellite signal strength your receiver is getting or to repeat the satellite setup procedure.



Whole-Home

High-Definition Receivers

If you're using DIRECTV® Whole-Home DVR service use this option to name this receiver location. Select "Whole-Home", then "Name Location" and follow the on screen instructions. To learn more, read the "DIRECTV® Whole-Home DVR service" section in Chapter 3. Use the "External Devices" option to allow mobile devices to access content on your DIRECTV receiver, including the ability to see the info for the currently tuned program, and tune to a channel. The "Status" option shows whether your account is authorized for Whole-Home DVR service, and how many receivers are found on your network.

Access Card

Standard-Definition Receivers

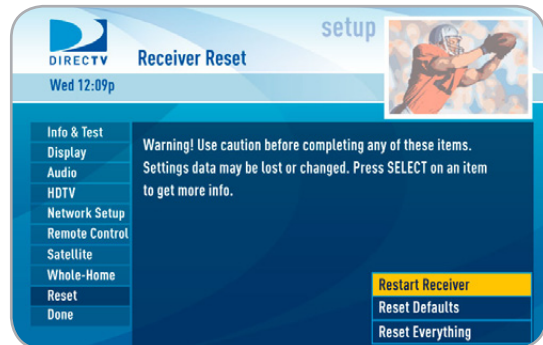
Do not select Access Card unless you have a new access card provided by DIRECTV. Follow the on-screen directions to replace your access card. You will need your old and new access cards to complete this process.

Reset

The Reset screen lets you restart the receiver, reset to factory defaults, or reset everything.

- “**Restart Receiver**” is the same function as pressing the red reset button behind the access card door on the front of the receiver. This option does not affect your settings and scheduled autotunes.
- “**Reset Defaults**” erases all of your personal preference items, such as parental controls, favorites, language and scheduled autotunes, and restores the receiver configuration to how it was set at the factory.
- “**Reset Everything**” Completely erases everything from system memory and starts over like a new receiver, starting over with Guided Setup.

Note: If Parental Controls are locked, you must enter your password to reset the receiver.



CHAPTER 5 - HELP & TROUBLESHOOTING

● HELP	70
● TROUBLESHOOTING TIPS	71
● FREQUENTLY ASKED QUESTIONS	74

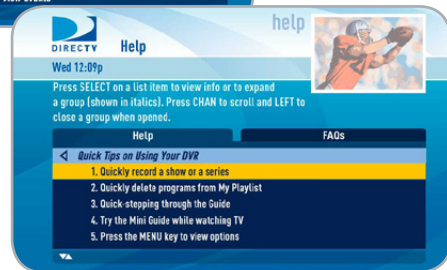
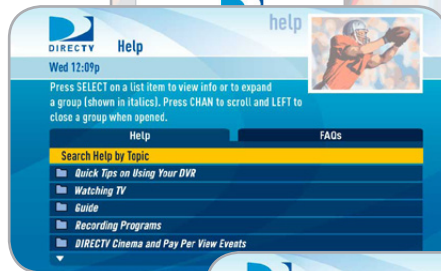
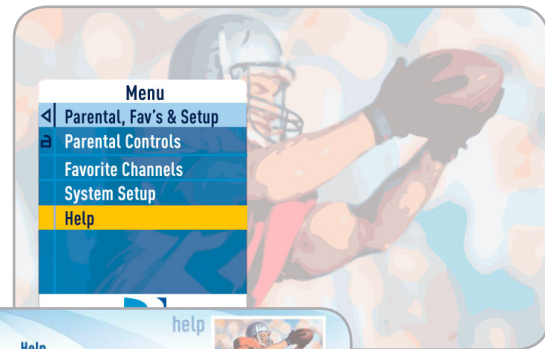
Help

High-Definition Receivers

For helpful information about your receiver as well as, frequently asked questions (FAQs), press MENU, select “Parental, Fav’s & Setup” and then select “Help”. For model H20, press MENU, select “Customer Care & Help” and then select “Help”.

Tune to Channel 1 to access the interactive DIRECTV Customer Information Channel. Watch videos on a variety of topics, such as your remote control, receiver features, and troubleshooting. To exit the Customer Information channel, press CHAN UP/DOWN, press GUIDE, or enter a channel number to tune to.

You can also find answers to all your questions on DIRECTV’s Answer Center at support.directv.com.



Troubleshooting Tips

Reset / Reauthorize Your Receiver

Many problems can be corrected by performing a simple reset of the DIRECTV® Receiver. If you experience frozen audio or video, a blank screen, or the system won't respond to front panel button or remote button presses try one of these:

- Press the red RESET button. Depending on your model of receiver, this will be either behind the access door on your receiver's front panel, or on the right side. Wait for program guide information to be acquired.
- If the problems persist, try unplugging the power cord of the DIRECTV® Receiver for 15 seconds, then plug it in again.
- If the above two items don't work, try reauthorizing your receiver. On a computer, go to directv.com/reauthorize and follow the onscreen instructions. You will need to be logged into your account on directv.com to complete this process.
- Running the System Test (later in this section) can also help you diagnose and solve many common problems.

HD & SD Receivers



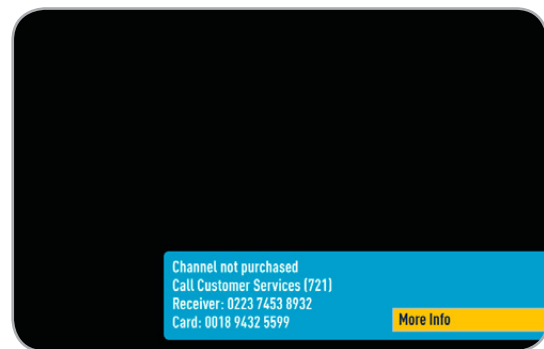
HD Receiver (model H25)



On-Screen Messages

There may be times when you see an on-screen message similar to the one on the right. The top line of the message gives a brief description of what causes the on-screen message to display, while the second line displays instructions to follow. Most on-screen messages supply a code in parentheses. That code is used by DIRECTV Customer Service to help troubleshoot your call.

The message at right shows an example of trying to view a channel that you have not purchased or that is not in your programming package. To resolve the situation, call **Customer Service at 1-800-531-5000** and mention the code when prompted.



System Software Updates

DIRECTV periodically sends system software updates to your receiver to improve performance and upgrade features and functions. These updates will occur automatically, usually at times when the receiver would likely be turned off. If your receiver is on when an update is sent, you will see an on-screen message and you may experience a disruption in reception for a few minutes. Your reception should return to normal after the update is complete. Your receiver must be plugged in to AC power to receive any updates.

Run the System Test

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

First make sure that:

1. All connections -- jacks, cables, etc. -- are in place correctly. See Chapter 4, "Connections for TV and Auxiliary Equipment" for more information.
2. There are batteries in the remote control, and they are working correctly.
3. The access card is inserted in the DIRECTV® Receiver.

Follow these steps to run the diagnostics system test on your DIRECTV® Receiver:

1. Turn on your TV and the DIRECTV® Receiver.
2. Slide the mode switch to the DIRECTV position to put the remote control in satellite receiver-controlling mode, then press MENU.
3. Select "Parental, Fav's & Setup."
4. Select "System Setup," then "Info & Test."
5. Select "Run System Test". For Standard-Definition receivers, press GREEN on your remote, then select "Run Test".
6. If your system does not pass the System Test, check any of these potential trouble areas: cabling, pointing the satellite dish, phone connection and access card.
7. If you continue to have problems, call DIRECTV Customer Service at 1-800-531-5000.
8. You should run a system test several times before concluding that there is a problem. Occasional fluctuations in the phone line or satellite signal can give temporary false readings.

Progress bar freezes while Acquiring Guide Data / Data From Satellite

While the “Acquiring Guide Data” or “Acquiring Data From Satellite” message is on the screen, progress freezes during download.

Possible Causes:

- This may be normal. After five minutes, the screen saver will display. Press any key on the remote to see the progress bar again.
- May happen if your satellite dish isn't adjusted properly.

Solution:

- If satellite data acquisition still does not move forward, press the RESET button behind the access panel door on the front of the DIRECTV® Receiver and wait for program guide information to be acquired.

DIRECTV® Receiver turns on or changes channels unexpectedly

Your receiver changes to a different channel without a remote control command.

Possible Causes:

- A scheduled autotune may be about to begin, so the receiver is changing channels to tune the show as requested.
- Your TV's timer may have been activated.

Solution:

- Check your To Do List to see if there are other scheduled autotunes. Press MENU, select “Manage Recordings”, then “To Do list”.
- Check your TV owner's manual to turn off the TV's timer.

Blue, black, gray or snowy screen

Your TV displays a blue, black, gray or snowy screen.

Possible Causes:

- Your TV and/or your receiver are not powered on.
- The DIRECTV® Receiver and most TVs and VCRs let you toggle between different video sources. Your TV may be on a different input source than what you are trying to view.

Solution:

- Check that DIRECTV® Receiver and TV are both powered on.
- If snowy screen, make sure your TV is on channel 3 or 4.
- Press TV INPUT on your DIRECTV remote to cycle through the “sources” or pieces of equipment whose signal is displayed on your TV. TV INPUT must be programmed to work; see Chapter 4, “System Setup, Remote Control” for instructions.
- Press the INPUT button on the TV remote control to change the video source.
- Press the TV/VCR button on the VCR remote or on the VCR’s front panel.
- If problems persist, turn off all equipment connected to your TV, wait a few minutes, then turn the DIRECTV® Receiver back on.
- Check your connections and cables.

DIRECTV® Receiver will not turn on

Your receiver won't turn on with either the remote or from the front panel.

Possible Causes:

- Remote batteries are dead.
- Receiver or power strip is not plugged in to a power source, or power cord is not plugged in to receiver.
- Wall outlet is dead.

Solution:

- If remote is not turning on the receiver:
 - Make sure mode switch is all the way to left, then press PWR button on remote.
 - If still not responding, check batteries – green light should blink when any key is pressed.
 - If steady blinking, replace batteries.
 - If solid green light, make sure nothing is blocking the IR sensor.
- If receiver does not respond to pressing the buttons on the front panel of the receiver:
 - Verify power cord is plugged in at both the wall outlet and rear panel of the receiver.
 - If receiver is plugged into a wall outlet, make sure it is not controlled by a wall switch.
 - If receiver is plugged into a power strip, make sure power strip is working.
 - If the power strip is not working, press the reset button on the power strip OR unplug and plug back in (not all power strips have a reset button).

DIRECTV® Receiver Turns off while playing

Your receiver turns off unexpectedly.

Possible Causes:

- Excessive heat may have caused the receiver to go into a standby state.
- Electronic protection circuit may have been activated due to a power surge.
- You may have blown a circuit breaker or be experiencing a power outage.
- Parental viewing limits may have been activated on your DIRECTV® Receiver.

Solution:

- Ensure that your receiver has plenty of ventilation and that nothing is on top of the receiver.
- Wait 30 seconds for internal circuits to reset, then turn receiver back on.
- Consider using a line conditioner or surge protector.
- Consult an electrician if the problem is frequent or severe, especially if other household appliances or electronics are affected.
- If parental limits are active, turn your DIRECTV® Receiver back on and enter your parental lock code at the prompt.

Temporary loss of the satellite signal, “frozen” picture, or picture breaks into blocks / pixels

The image on your screen is frozen, blocky, or you see a message that says “Searching for Satellite Signal (x771).”

Possible Causes:

- Severe weather (rain, snow, hail etc.) may cause this issue.
- There may be an obstruction to your dish (debris, snow, ice, etc.) or a building or tree that blocks your line of sight to the satellite.
- There may be a problem with the cables running from your satellite dish to your DIRECTV® Receiver.
- If the picture is frozen, blocky, or pixels, there may be a problem with the transmission from the source.

Solution:

- Weather issues are usually temporary. Wait for the weather to clear and your signal should return to normal.
- If there are no weather problems in your area, reset your DIRECTV® Receiver using the red RESET button behind the door on the front of the receiver or by unplugging the receiver for 15 seconds and then plugging it back in.
- You can also check all the cable connections between your DIRECTV® Receiver and the satellite dish for loose or broken connections.
- If the problem is coming from the program source (for example, you see the problem on one channel, but not on any others), wait for the broadcasting channel to resolve the issue.
- If there are obstructions blocking the dish’s clear view of the satellite, you should contact a professional to remove them or a DIRECTV Installer at 1-800-531-5000 to relocate your dish.
- If your signal strength is lower than 70 (60 or lower on HD receivers) on most transponders in good weather, contact a professional installer to realign your dish or call us at 1-800-531-5000.

Partial programming loss; Channels missing from the Guide; Channel is in the Guide but I can't tune to it

Your Program Guide is missing channels, or you are unable to use the guide to tune to a channel.

Possible Causes:

- The channels might be excluded from the Favorites list currently in use.
- Your satellite dish may be incorrectly configured.
- Your receiver information may need to be refreshed.

Solution:

- To change your Favorites List, press GUIDE on the remote, then press the YELLOW button and select "Change favorites list," then "All Channels."
- Enter the channel number using the number pad on the remote control.
- Check the dish type set in your receiver's preferences: Press the MENU key on the remote control, then select "Parental, Fav's & Setup," then "System Setup." Check Satellite Dish Type shown on the System Setup screen to see if it is correct. If not, select "Satellite" from the left menu, then select "Repeat Satellite Setup." Follow the steps. From the Satellite Dish Type screen, make sure the proper dish type is selected.
- To refresh your receiver information, go to directv.com, click on Customer Service, Troubleshooting, On-Screen Messages, Please Call Customer Service, ext. 721. You will need to be logged into your account on directv.com to complete this process.

My video and audio are out of sync

The audio track does not match the lip movements on the screen.

Possible Causes:

- Problem with how the program was produced or how it was sent to DIRECTV for broadcast.
- Your surround sound system may be out of sync, or may be set up incorrectly.

Solution:

- Change the channel on your DIRECTV® Receiver. This may re-sync the audio.
- Try replacing the cables between your surround sound system and your DIRECTV Receiver. Refer to your surround sound system's manual for assistance.
- If the issue continues, reset your DIRECTV® Receiver. Press the RESET button behind the access panel door on the front of the DIRECTV® Receiver. You can also press MENU, press SELECT on "Parental, Fav's & Setup," then select "System Setup." Select the "Reset" item from the left menu and follow the on-screen instructions.

No Audio with Picture

You can see a picture from your DIRECTV® Receiver, but there is no sound.

Possible Causes:

- A setting (such as mute or volume) may have changed on the receiver or your TV.
- The cables between your TV and the receiver may not be connected properly, or there may be a problem with an external stereo or surround sound system.

Solution:

- Verify “MUTE” button is not activated.
- Raise or lower the volume. Did volume meter display on TV?
- Test sound on TV by changing the input to another source, such as a DVD player, game box, or antenna.
- If connected to stereo, make sure stereo is on and set to the correct mode.
- Verify audio cables are secure and connected correctly. If your receiver is connected to your TV via S-Video, Component (Green Blue/Red) or RCA/Composite (Yellow), the RCA Audio cables (Red/White) must also be connected for sound.
- Verify that your surround sound system is working, if applicable.
- If the issue continues, reset your DIRECTV® Receiver. Press the RESET button. Depending on your model of receiver, this will be either behind the access door on your receiver’s front panel, or on the right side. You can also press MENU, select “Parental, Fav’s & Setup,” then select “System Setup.” Select the “Reset” item from the left menu and follow the on-screen instructions.

Caller ID not working

Caller ID information isn’t showing on your TV screen when phone calls come in.

Possible Causes:

- You don’t subscribe to Caller ID service through your local phone company.
- The Caller ID feature in your DIRECTV® Receiver is turned off. See “Caller ID” in Chapter 3.
- You are using a wireless phone jack, which usually will not transmit Caller ID information.

Solution:

- Contact your local phone company to subscribe to Caller ID service.
- Select “Caller ID” (SD Receivers: “TVmail & Caller ID”) from the main menu to turn on your Caller ID notifications.
- Verify that your wireless phone jack transmits Caller ID information. If not, connect a standard phone cable to your receiver or replace your wireless phone jack.

Remote Control Solutions

- Check that nothing is between the remote control and the remote sensor.
- Make sure the remote control MODE switch is in the left-most position (DIRECTV Mode). Slide the MODE switch on the remote to the DIRECTV position so the remote will control the DIRECTV® Receiver.
- Check the batteries in the remote control. They may be weak, dead or installed incorrectly. Try replacing batteries.
- If you’re entering a channel number that is less than four digits long, the receiver might wait two seconds before tuning to the channel. Press ENTER after entering a channel number to tune immediately.
- If you are trying to operate a device other than the DIRECTV® Receiver that you have programmed the remote to control, make sure you first slide the MODE switch to the mode that is programmed for that device (AV1 or AV2). The indicator light for the component you’re trying to control should light up when you press a valid key for that component. If it doesn’t, make sure the MODE switch is in the correct position.
- Make sure the device you are trying to control has been programmed to your DIRECTV Remote Control. See Chapter 4, “System Setup, Remote Control” for instructions.
- If the green indicator light on the remote control starts flashing, the batteries in the remote control are running low and should be replaced soon. You may also see an on-screen message that the batteries are low. Note that when you replace the batteries, you should not have to reprogram your remote to control other devices unless the batteries have been completely dead for a month or more.

CHAPTER 6 - WARRANTY AND OTHER INFORMATION

● LIMITED 90-DAY WARRANTY	84
● DIRECTV PROTECTION PLAN	87
● FCC CUSTOMER INFORMATION	88
● TERMS & CONDITIONS FOR USE OF SOFTWARE	92

Limited 90-Day Warranty

DIRECTV warrants your DIRECTV® Receiver (Models D and H) and any included accessories against defects in material or workmanship for a period of ninety (90) days after the date of acquisition.

Who is Covered?

You must have proof of acquisition to receive warranty service. A receipt or other document showing that you acquired the product is considered proof of acquisition. THIS LIMITED WARRANTY EXTENDS ONLY TO THE ORIGINAL CONSUMER ACQUIRER OR ANY PERSON RECEIVING THE DIRECTV® RECEIVER AS A GIFT FROM THE ORIGINAL CONSUMER ACQUIRER AND TO NO OTHER ACQUIRER 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 acquire the product. For ninety (90) days from the acquisition 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 acquisition, 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 receipt or other document showing proof of acquisition. 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. 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.

Limited 90-Day Warranty

To Get Out-of-Warranty Service...

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

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

Safeguard your DIRECTV® System with the ultimate in professional technical service. For a low monthly fee, the DIRECTV PROTECTION PLAN covers the components of your entire DIRECTV® System, giving you affordable 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 DIRECTV® System, including:

Professional In-home service calls when needed	Dedicated Technical Support 24-hour a day
Power surge related repairs including those caused by lightning	Unlimited dish antenna alignments
Cables, switches, and associated wiring throughout your home	Replacement of defective receiver equipment (if problem can not be resolved over the phone)
Defective remote control replacements	All parts and labor for repair

Sign up today for the DIRECTV PROTECTION PLAN by calling 1-800-DIRECTV

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 may apply. Pricing, terms and conditions of the DIRECTV PROTECTION PLAN are subject to change. Full terms and conditions will be mailed to you prior to service billing and are available at directv.com/protection.

FCC Customer Information

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

- Trade Name: DIRECTV
- Type of Equipment: DIRECTV Satellite Receiver
- Model Numbers: D or H

Federal Communications Commission (FCC): This equipment complies with both Part 15 and Part 68 of the FCC rules.

This equipment has been tested and found to comply with the limits of 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.
- **CAUTION:** Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment.

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 requirements, 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. This equipment uses the following USOC Jack: RJ11C. 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. Connection to party line service is subject to state tariffs. Contact the state public utility commission, public service commission or corporation commission for information.

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

If your home has specially wired alarm equipment connected to the telephone line, ensure the installation of this DIRECTV Satellite Receiver does not disable your alarm equipment. If you have questions about what will disable alarm equipment, consult your alarm company, telephone company or a qualified installer.

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.

TERMS AND CONDITIONS FOR USE OF SOFTWARE (“TERMS”)

THE DIRECTV® Receiver INCORPORATES SOFTWARE WHICH IS OWNED BY DIRECTV, INC. (“DIRECTV”) OR ITS THIRD PARTY LICENSORS (the “Software”). BEFORE USING THE RECEIVER PLEASE READ THESE TERMS. IF YOU DO NOT AGREE TO THESE TERMS YOU MAY NOT USE THE RECEIVER AND SHOULD IMMEDIATELY RETURN THE RECEIVER TO DIRECTV OR YOUR SUPPLIER. THESE TERMS ALSO APPLY TO ANY MODIFICATIONS, UPDATES OR SUPPLEMENTS TO THE SOFTWARE PROVIDED TO YOU.

A. License Grant and Conditions

DIRECTV grants you a non-exclusive, non-transferable, limited license to use the Software solely in executable code form and solely as integrated with, incorporated into, and in conjunction with the Receiver. You must ensure that the copyright, trademark and other protective notices contained in the Software are maintained and not altered or removed. The Software is protected by copyright and other laws and international copyright and other treaties. All title and intellectual property rights in and to the Software and all modifications, updates, enhancements and derivative works of the Software are owned exclusively by DIRECTV or its licensors and you agree to execute any document reasonably requested by DIRECTV to evidence such ownership rights. Certain third party software used in connection with the Receiver may be made directly available to you by the providers thereof. The source code to certain software subject to the GNU GPL and other open source licenses that is used in connection with the Receiver is made available to you by DIRECTV following the written request to DIRECTV. Use of such Software is also subject to the terms of any applicable agreement between you and each such provider. DIRECTV reserves the right to modify, supplement, update and otherwise alter the Software via software download or other modification procedures, and these terms will apply to such Software as modified, supplemented, updated, and otherwise altered.

B. License Restrictions

You may not copy, modify or transfer the Software, or any copy thereof, in whole or in part. You may not reverse engineer, disassemble, decompile or translate the Software, or otherwise attempt to derive the source code of the Software, except to the extent allowed under any applicable law. Any attempt to transfer any of the rights, duties or obligations of this license agreement is void. You may not rent, lease, load, resell for profit or distribute the Software, or any part thereof. You may not export, transfer or re-export the Software in violation of any applicable law. The Software may include some components that are covered by “free software” licenses, open source licenses and other similar license use rights, which require such components to be used, modified and/or distributed only under the terms of such licenses. Any such components are subject only to the terms of such licenses, and not these Terms.

C. Ownership of Software and Reservation of Rights

The Software is licensed, not sold, to you for use only under the terms of this license agreement, DIRECTV is NOT transferring title or any ownership rights in the Software to you and DIRECTV and its suppliers reserve all rights not expressly granted to you. Except as stated above, this license agreement does not grant to you any intellectual property rights in the Software.

D. Termination

These Terms are effective until terminated. You may terminate these Terms by returning the Receiver to DIRECTV or your supplier. These Terms will terminate automatically without notice if you fail to comply with these Terms or any other agreement between you and DIRECTV. Upon termination you must return the Receiver to DIRECTV or your supplier.

E. Disclaimer

THE SOFTWARE IS (TO THE EXTENT PERMITTED BY LAW) SUPPLIED "AS IS." NEITHER DIRECTV NOR ANY OF ITS LICENSORS EXPRESSLY MAKES OR PASSES ON TO YOU ANY WARRANTY OR REPRESENTATION ON BEHALF OF DIRECTV OR ITS LICENSORS WITH RESPECT TO THE SOFTWARE, INCLUDING BUT NOT LIMITED TO ANY WARRANTIES, EXPRESS OR IMPLIED, INCLUDING (BUT NOT LIMITED TO) ANY IMPLIED WARRANTIES OF MERCHANTABILITY, SATISFACTORY QUALITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE OR NON-INFRINGEMENT OF THIRD PARTY RIGHTS.

IN NO EVENT WILL DIRECTV OR ITS LICENSORS BE LIABLE TO YOU WITH RESPECT TO THE SOFTWARE FOR ANY DIRECT, INDIRECT, CONSEQUENTIAL, SPECIAL, PUNITIVE OR INCIDENTAL DAMAGE (INCLUDING LOSS OF PROFITS, LOST SAVINGS, LOSS OF DATA OR THE COST OF PROCUREMENT OF SUBSTITUTE GOODS, TECHNOLOGY OR SERVICES) ARISING OUT OF THE USE OR THE INABILITY TO USE THE SOFTWARE, EVEN IF DIRECTV OR ITS LICENSORS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, OR FOR ANY CLAIM BY A THIRD PARTY. Some states or jurisdictions do not allow the exclusion or limitation of incidental, consequential or special damages, so the above limitations may not apply to you.

F. Third Party Beneficiaries

DIRECTV'S LICENSORS AND SUPPLIERS SHALL BE THIRD PARTY BENEFICIARIES OF THESE LICENSE TERMS, AS APPLICABLE. YOUR USE OF THE RECEIVER CONSTITUTES YOUR ACKNOWLEDGEMENT THAT YOU HAVE READ THESE TERMS AND AGREE TO BE BOUND HEREBY.

G. Additional Information

Certain additional terms and information for the Software and certain third party software (including the text of licenses applicable to any free, open source and other similar software that may be included in the Software) may be found in the DIRECTV website located at www.directv.com, and the GNU website located at www.gnu.org.

H. GNU GPL and Open Source Software

Certain components of the Software may be subject to the GNU General Public Licence, Version 2, June 1991 ("GPL"), "free software" licenses and other open source software licenses. The foregoing components of the Software are not and may not be subject to the License Restrictions in Section B above. In compliance with the GPL, DIRECTV, its suppliers, or its third party licensors, upon written request, will make the source code of the software, libraries and associated utilities it uses, together with its modifications (if any), available to the public in source code form. You are free to use, modify and distribute the software and any modifications as long as you comply with the terms of the GPL referred to above and other open source software licenses. The license terms applicable to the GPL may be found in the DIRECTV website located at www.directv.com, and the GNU website located at www.gnu.org, specifically at (<http://www.gnu.org/licenses/old-licenses/gpl-2.0.html>). To request a copy of the applicable source code please write to DIRECTV at:

Attention: Vice President, STB Engineering
DIRECTV, Inc.
2230 E. Imperial Highway
El Segundo, CA 90245

GNU GENERAL PUBLIC LICENSE

Version 2, June 1991

Copyright © 1989, 1991 Free Software Foundation, Inc.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights.

These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

TERMS AND CONDITIONS FOR USE OF SOFTWARE (“TERMS”)

We protect your rights with two steps: [1] copyright the software, and [2] offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author’s protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors’ reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone’s free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

GNU GENERAL PUBLIC LICENSE

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The “Program”, below, refers to any such program or work, and a “work based on the Program” means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term “modification”.) Each licensee is addressed as “you”.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program’s source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License

along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

- a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.
- b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.
- c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

TERMS AND CONDITIONS FOR USE OF SOFTWARE (“TERMS”)

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

- a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
- b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
- c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by

modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

TERMS AND CONDITIONS FOR USE OF SOFTWARE ("TERMS")

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns. Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>

Copyright (C) <year> <name of author>

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details. You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Also add information on how to contact you by electronic and paper mail. If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author

Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'. This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

TERMS AND CONDITIONS FOR USE OF SOFTWARE (“TERMS”)

You should also get your employer (if you work as a programmer) or your school, if any, to sign a “copyright disclaimer” for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989

Ty Coon, President of Vice

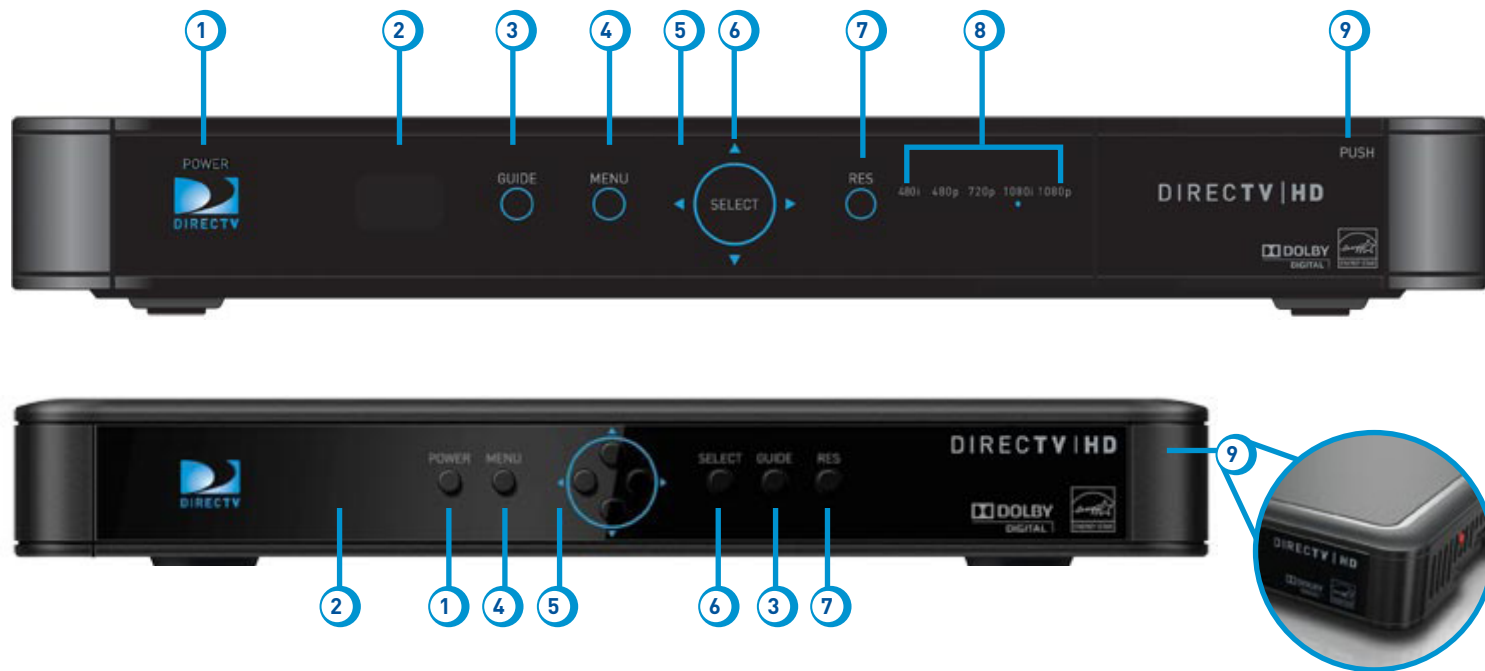
This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

APPENDICES

● APPENDIX 1: RECEIVERS FRONT AND BACK PANELS	104
● High-Definition Receiver	104
● Standard-Definition Receiver	108
● APPENDIX 2: HOW TO NETWORK YOUR HD RECEIVER	112
● APPENDIX 3: ABOUT HIGH-DEFINITION	119

High-Definition Receiver

Front Panel Examples



Your equipment may not look exactly like the model illustrated.

1. **POWER** – Turns your DIRECTV® Receiver on or off. Your receiver still tunes and receives messages when powered off. The power light flashes when you press a key on the remote to let you know it has received the command.
2. **REMOTE SENSOR** – The infrared sensor picks up commands from the remote control. You cannot have any opaque object between the remote and this sensor or else the command will not get through. If you have an optional RF remote, this sensor is not used. With an optional RF remote you can place your receiver inside a cabinet or any nonmetal enclosure and it will receive the remote control commands up to 200 feet away.
3. **GUIDE** – Displays the on-screen program guide.
4. **MENU** - Brings up the main menu to access settings and services.
5. **ARROWS** – Move the on-screen highlight up, down, left or right.
6. **SELECT** – Selects the item highlighted.
7. **RES (Resolution)** – The RES key switches the output resolution of the HD Receiver. Each time you press the key, it cycles to the next available resolution: 1080p, 1080i, 720p, 480p and 480i (older models may not support 1080p).

Note: The RES button on the front panel only changes the resolution. It does not change the screen format (crop, stretch, letterbox, pillar box). The FORMAT button on the remote control cycles through all of the screen formats and resolutions. See Appendix 3 for details.

8. **RESOLUTION INDICATORS** – The adjacent lights indicate the current resolution setting. Some receivers do not have these indicators.
9. **DOOR PANEL** – The access card slot, RESET button, receiver ID and model number are located behind the door panel. Some receivers have the RESET button on the side panel, with no door, and the receiver ID on a sticker underneath the unit.

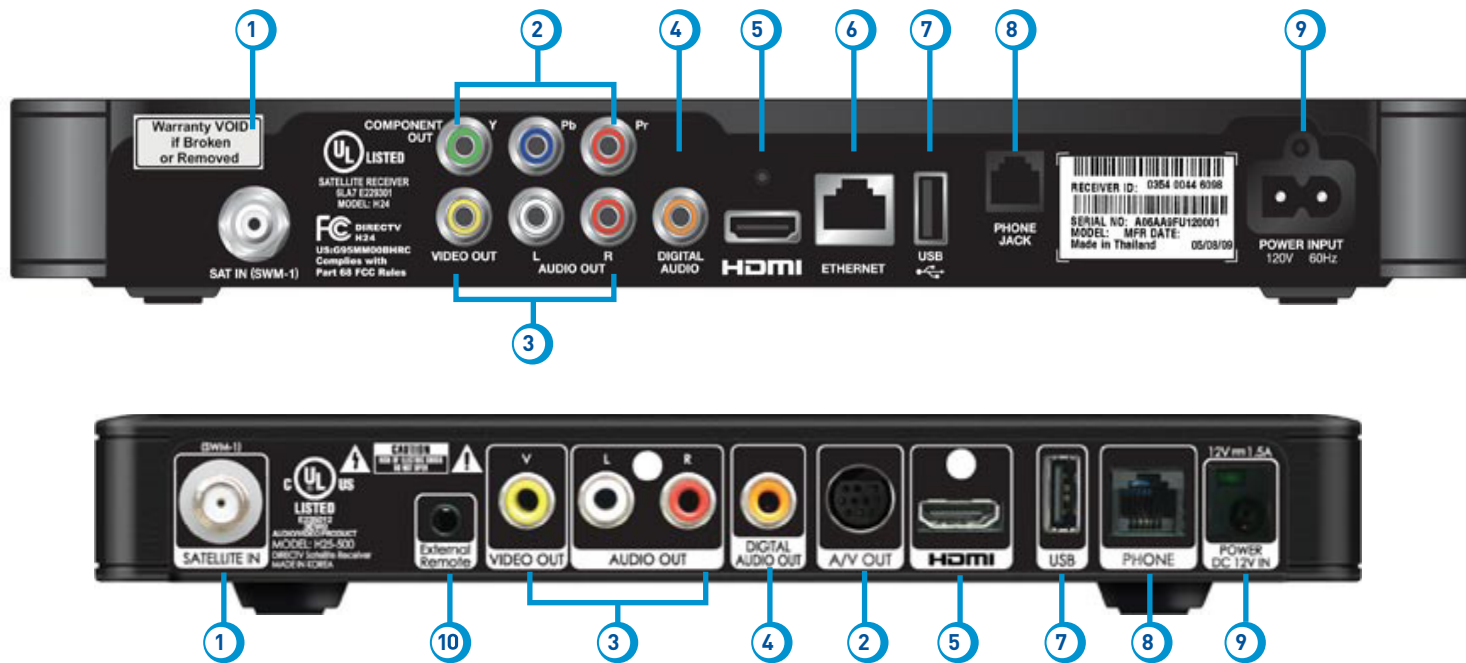
Older models may have these additional button on the front panel:

ACTIVE - Displays the DIRECTV Active Channel - local weather and more.

INFO - Displays the channel banner or program information.

High-Definition Receiver

Back Panel Examples



Your equipment may not look exactly like the model illustrated.

1. **SATELLITE IN (SWM-1)** – Connect one line from your satellite dish here. A Single Wire Multi-Switch (SWM) connection, if applicable, is made to this satellite in port.
2. **COMPONENT VIDEO OUT**– Some receivers have a block of three separate connectors - green, red, blue. Use this block to connect up HD component video cables and use the white and red RCA connectors below it for analog audio out.

A/V OUT - Some newer model receivers have a combined 10-pin output that supports both audio and video. Receivers supporting A/V Out come with an A/V Out cable for Component Video and RCA audio. An A/V Out cable for Composite Video and RCA audio can be purchased separately.
3. **RCA-Audio/Video Jacks** – A Standard-Definition (SD) output. You can use the entire row of RCA connectors (yellow, white and red) to feed a VCR or DVD player/burner.
4. **DIGITAL AUDIO OUT** – Use this digital audio connection for sound. Not available on all models.
5. **HDMI** – Use this combination digital video and audio connector for the best HD picture quality.
6. **ETHERNET** – For future use. Not available on all models.
7. **USB** – For future use. (USB 2.0 Host 5V = 500mA)
8. **PHONE JACK** – Connect your phone line here to enable Pay Per View purchasing and Caller ID (if your phone service package includes it).
9. **POWER** – Your receiver must be plugged in at all times to function properly. Note that some newer model receivers require an external power supply, while older models plug in through a direct power cord.
10. **EXTERNAL REMOTE** – Some model receivers support an external adapter for use with an optional RF remote. Other models have RF built-in.

DIRECTV® Receiver

Standard-Definition Front Panel:

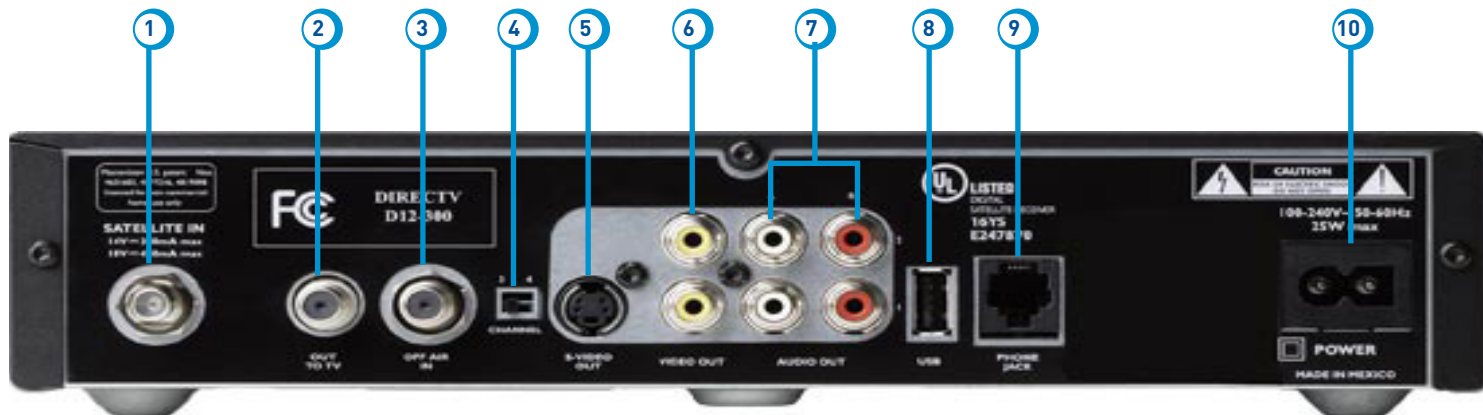
The buttons on the front panel perform the same functions as similarly named buttons on the remote control. You can use the front panel buttons at any time, but they are especially useful if you misplace your remote control or the batteries die.



Your equipment may not look exactly like the model illustrated.

1. **POWER** – Turns your DIRECTV® Receiver on or off. Your DIRECTV® Receiver still tunes and receives messages when powered off. The power light flashes when you press a key on the remote to let you know it has received the command.
2. **REMOTE SENSOR** - The infrared sensor picks up commands from the remote control.
3. **GUIDE** - Displays the on-screen program guide.
4. **MENU** - Brings up the main menu to access settings and services.
5. **ARROWS** – Move the on-screen highlight up, down, left or right.
6. **SELECT** – Selects the item highlighted.
7. **ACTIVE** – Displays the DIRECTV Active™ Channel - local weather, horoscopes, lottery and more.
8. **INFO** – Displays channel banner or info for a highlighted program or channel cell.
9. **DOOR PANEL** – The access card slot, RESET button, receiver ID and model number are located behind the door panel.

Standard-Definition Back Panel:



Your equipment may not look exactly like the model illustrated.

1. **SATELLITE IN** – Use to connect the DIRECTV Receiver to the satellite dish antenna.
2. **OUT TO TV** – Connects the DIRECTV Receiver to your TV or VCR using RF coaxial cable. This jack provides the most basic connection, carrying good sound and video quality.
3. **OFF-AIR IN** – Connect a standard TV antenna or cable feed to the DIRECTV Receiver using this jack.
4. **3/4 CHANNEL SWITCH** – Allows users to choose the channel that is not used in your area (3 or 4) when the receiver is connected to TV using RF coaxial cable from the DIRECTV Receiver's OUT TO TV.
5. **S-VIDEO** – Provides the best picture quality, better than VIDEO RCA-type or RF coaxial cable jacks. If your TV has an S-Video jack, use an S-Video jack, use it along with the audio jacks (S-Video only carries picture information, not sound) to connect to your TV.
6. **VIDEO (YELLOW)** – Provides better picture quality than the OUT TO TV jack. Connect the second RCA-type composite VIDEO jack to another device, such as a VCR. You must also connect the AUDIO cables when using the VIDEO connection.
7. **AUDIO (R-Red and L-White)** – Audio cables offer better sound quality than RF coaxial cables. You can connect a second set of audio cables to another component, such as a VCR or stereo.
8. **USB PORT** – For future use.
9. **PHONE** – Connects the DIRECTV Receiver to a telephone wall jack to enable DIRECTV CINEMA and Pay Per View purchasing and Caller ID (if your phone service package includes it).
10. **POWER** – Connects the DIRECTV Receiver to an electrical outlet. We recommend you use a surge protector to safeguard your DIRECTV Receiver from power spikes.

How to Network your HD Receiver

To use your DIRECTV HD Receiver on your home network, you will need:

- A compatible DIRECTV Receiver, such as the DIRECTV HD Receiver (models H21 or later), DIRECTV Plus® HD DVR Receiver (models HR20 or later) or DIRECTV Plus® DVR (model R22). Model H25 can only be connected using Whole-Home DVR service.
- A broadband Internet connection, with a minimum connection speed of 750 kbps or higher (DSL or cable).
- A network router with an available Ethernet port.

The instructions for connecting to a network are different depending upon whether you have Whole-Home DVR Service. Please see the appropriate sections that follow.

Note: For the most current options and instructions to connect your Receiver to the Internet, please visit directv.com/getconnected.

If you have Whole-Home DVR service:

- **Professionally Installed Cinema Connection Kit:** Schedule a professional installation appointment at directv.com/getconnected. This is the only option available for customers with Whole-Home DVR service.

If you do not have Whole-Home DVR service:

- **Wired:** The fastest, most reliable connection. Your house must be wired for Ethernet, or you must run cables from a network router to your DIRECTV HD Receiver.
- **Wireless:** This can be easiest method if you already connect to the Internet via Wi-Fi. However, wireless connections may be slower and somewhat less reliable than wired.

If you have Whole-Home DVR Service:

Professionally Installed Cinema Connection Kit

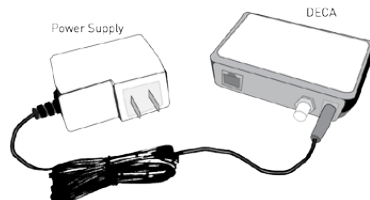
Because Whole-Home DVR service uses a network to share programs between your DIRECTV receivers, only a professionally installed Cinema Connection Kit can be used to connect to the Internet.

- Never connect an Ethernet cable to an HR24, H24, or H25 receiver with Whole-Home DVR service; this will disable the Whole-Home network and disable playlist sharing.
- If you have DECA Connected Home Adapters connected to your HD Receiver, you must use a professionally installed Cinema Connection Kit to connect to the Internet.

Your professionally installed Cinema Connection Kit should consist of a Broadband DECA similar to the one shown here.

The Cinema Connection Kit connects to a coaxial cable and an Ethernet cable connected to your home router to provide home network and Internet connectivity to all of the Whole-Home capable receivers in your household.

If you have Whole-Home DVR Service and are having difficulty accessing the DIRECTV CINEMA service or DIRECTV™ Media Share features, check to ensure the Broadband DECA is powered and the coaxial cable and Ethernet cable are firmly connected.



Appendix 2: How to Network Your HD Receiver (High-Definition Receivers)

If you do not have Whole-Home DVR service:

Wired

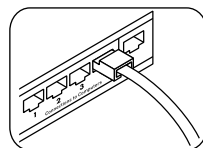
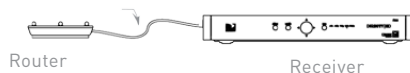
Step 1 - Connect your DIRECTV HD Receiver to your router

Connect one end of your Ethernet cable to the Ethernet port on the back of your router.

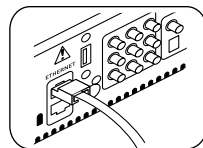
Connect the other end of the Ethernet cable to the Ethernet port on the back of your DIRECTV HD Receiver.

Direct Connection

Ethernet Cable



Ethernet cable connects to an unused port on the router



Ethernet cable plugs into receiver

Step 2 - Verify that you are connected

To verify you are connected:

- Press **MENU** on your DIRECTV Remote
- Select **Parental, Fav's & Setup**
- Select **System Setup**
- Select **Network Setup**
- Choose **Connect Now**
- Select **Continue** after successfully connecting to DIRECTV via the Internet (See figure A).

Select **Done** to complete the setup process (See figure B).

If your DIRECTV HD Receiver does not immediately recognize the network connection, you will get the option to choose the connection method. Choose **Wired** (See Figure C). Follow the onscreen instructions.

Figure A

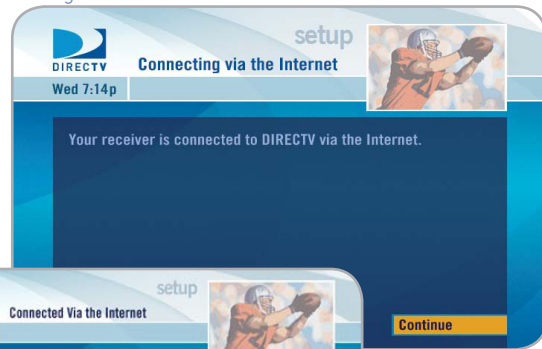


Figure B

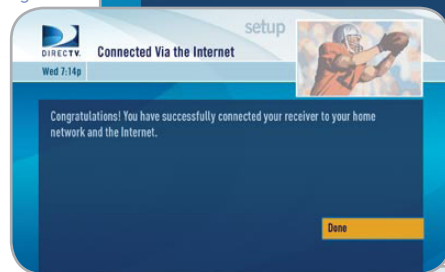
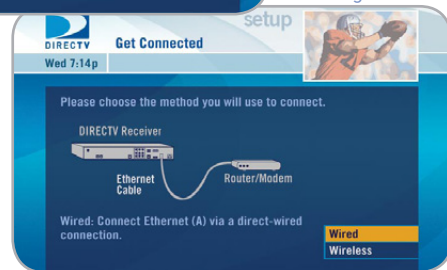


Figure C



Wireless

Create a wireless connection between your wireless router and your DIRECTV HD Receiver, so your receiver can access the Internet.

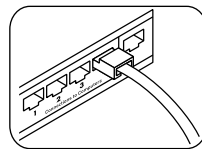
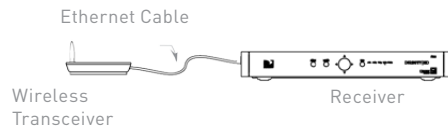
Along with the Network Requirements at the beginning of Appendix 2 you will need:

- A wireless adapter that uses an Ethernet port to connect to a media device. [USB devices are not supported by the DIRECTV HD Receiver]
- A wireless router (in place of a regular router). You must have initialized your wireless device for your home network before beginning to network your DIRECTV HD Receiver.

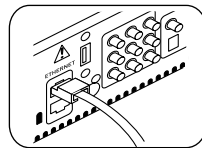
Step 1: Connect your DIRECTV HD Receiver to the wireless adapter

Connect one end of the Ethernet cable to the Ethernet port on the back of the wireless adapter. Connect the other end of the Ethernet cable to the Ethernet port on the back of your DIRECTV HD Receiver.

Plug your wireless adapter into an electrical outlet.



Ethernet cable connects to the Ethernet port of the wireless adapter.



Ethernet cable plugs into Receiver

Step 2 - Ensure the wireless adapter is recognized by your home network.

- Once your router detects the wireless adapter it will prompt you to configure the two devices.
- Select **Set Up Now**.
- Highlight your wireless network and press SELECT to display a blue dot next to your network. Then select **Continue**.
- Follow the onscreen instructions to complete the set-up process of the wireless adapter.

Note: If you are having difficulty connecting to the Internet or need more information, visit www.directv.com/getconnected.



Step 3 - Verify that you are connected

- Press **MENU** on your DIRECTV Remote
- Select **Parental, Fav's & Setup**
- Select **System Setup**
- Select **Network Setup**
- Choose **Connect Now**
- Select **Continue** after successfully connecting to DIRECTV via the Internet (See figure A).

Select **Done** to complete the setup process (See figure B).

If your DIRECTV HD Receiver does not immediately recognize the network connection, you will get the option to choose the connection method. Choose **Wireless** (See Figure C). Follow the onscreen instructions.

Figure A



Figure B

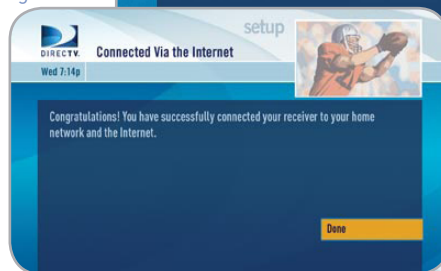
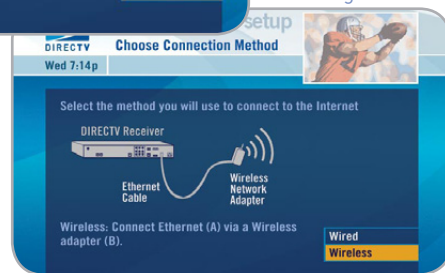


Figure C



This section applies to HD receivers only.

Aspect Ratio

In addition to resolution and interlacing, a television picture is also defined by its aspect ratio—referring to the shape of the screen as defined by the ratio of the screen's width to its height.

For analog TV, the aspect ratio is 4 units wide by 3 units high (4:3). This is the familiar shape of conventional TVs—slightly wider than they are tall. SDTV and EDTV pictures can be either 4:3 or 16:9. For HDTV broadcasts, the aspect ratio is 16:9—nearly twice as wide as it is tall. This is, not coincidentally, more like the shape of movies shown in theaters, which makes HD an ideal format for viewing movies on TV. You will be able to see much of what is captured on film, but lost on an SDTV display.

Screen Formats

What if you're watching a nearly square-shaped 4:3 broadcast on a 16:9 TV, or vice versa? The DIRECTV HD Receiver lets you choose from a variety of screen formats to deal with those scenarios. You can set up your preferences for format during Guided Setup and change them at any time.

Options for Changing Video Output

In order to optimize the display of programs on your television, you may occasionally need to change the resolution and/or screen format. There are two keys that can be used to make changes: the FORMAT key on the remote control and the RES (Resolution) key on the front panel of the DIRECTV HD Receiver.

Pressing the FORMAT button on your remote will cycle the resolutions that you've indicated in System Setup as being supported by your TV, as well as, the screen formats in conjunction with each individual resolution. Available screen formats such as crop, stretch or letter/pillar box, are based on the TV Aspect Ratio you set in System Setup. With each press, an on-screen message will let you know what the current resolution/format setting is.

Appendix 3: About High-Definition

For example, if you indicated that your TV supports only 1080i, 480i and 480p and it is a 16:9 television, and Native is turned off*, the cycle of settings for the FORMAT key are as follows:

1st press: 480i/Stretch
2nd press: 480i/Letter box
3rd press: 480i/Crop
4th press: 480p/Stretch
5th press: 480p/Letter box

6th press: 480p/Crop
7th press: 1080i/Stretch
8th press: 1080i/Letter box
9th press: 1080i/Crop
10th press: 1080p/Stretch

11th press: 1080p/Letter box
12th press: 1080p/Crop
13th press: Repeat Cycle

***Note:** In Native mode, the receiver automatically adjusts resolutions to match the resolution of individual TV programs as they are tuned.

If Native is turned on, the FORMAT key cycles through Stretch, Letter and Crop for the current TV program's native resolution. The FORMAT key allows you to easily cycle all resolution and format settings with a single key until the picture displays the way you like it.

If pressing this key causes a loss of video and audio, continue to press it until the picture returns. (Wait a second between presses to allow the Receiver to change the resolution.) This can happen if your settings include a resolution that your TV doesn't support. To correct this, you'll need to change your resolution setting: Press MENU, select "Parental, Fav's & Setup", "System Setup", "HDTV" and then select "TV Resolutions." Mark or unmark the TV Resolutions to display the resolutions supported by your television.

Resolution (RES) Key on Receiver Front Panel

This key is used to through cycle all available resolutions on your DIRECTV HD DVR. It does not through cycle format settings. If video and audio are not appearing, it may be because the current resolution setting is not supported by your television. By pressing this key, you can check all available resolutions to see if that solves the problem. The lights next to the RES key on the front panel will light below the resolution to which the receiver is set; they will change with each key press.

Supported Resolutions

The following table shows the resolutions that can be output from each type of connection:

Output Connection	Available Resolutions
HDMI	1080i, 1080p, 720p, 480i, 480p
Component Video (YPbPr)	1080i, 720p, 480i, 480p
S-Video	480i
Video (RCA Type/Yellow)	480i

Note: 720p, 1080i and 1080p are HD formats. 480i and 480p are not. S-Video and RCA outputs display all resolutions as 480i.

Wide-Screen vs. Standard Formats

4:3 TVs Showing 16:9 programs

For a standard 4:3 TV showing a wide screen program, the program is too wide to fit on the screen. To alleviate this, choose:

- Letterbox

With this format, the 16:9 image is shrunk until the entire width of the program fits on your TV. Since the aspect ratio of the program is maintained, the image is no longer tall enough to fill your screen, so gray or black bars are seen at the top and bottom of the screen. To change the bar color, press MENU, select "Parental, Fav's & Setup", "System Setup", "HDTV" and then "Video." Select the desired bar color. See your TV's owner's manual for information on the best color for your set.

Appendix 3: About High-Definition

- Stretch

In the Stretch setting, instead of adding bars to the top and bottom, the 16:9 program image is stretched vertically until it's tall enough to fill the screen. Your entire screen will be full, but the program images are stretched to compensate.

- Crop

This format crops (cuts off) the left and right portions of the 16:9 frame so it fits the 4:3 screen.

If your display is a 4:3 format TV or monitor, your format options include these:

For 4:3 program signals:



Fills TV Screen

For 16:9 program signals:



Letterbox



Stretch



Crop

16:9 TVs Showing 4:3 programs

For a wide screen 16:9 TV showing a standard 4:3 TV program, the program is too tall to fit the screen. Your choices here include:

- Pillar Box

Here the 4:3 image is shrunk until the entire height of the program fits on your TV. Since the aspect ratio is maintained, the image is no longer wide enough to fill the screen, so gray or black bars are seen at the left and right edges. To change the bar color, press MENU, select "Parental, Fav's & Setup", "System Setup", "HDTV" and then "Video." Select the desired bar color option. See your TV's owner's manual for information on the best color for your set.

- Stretch

In this setting, instead of adding bars to the sides, the 4:3 program image is stretched horizontally until it's wide enough to fill the screen. Your entire screen will be full, but the images are a little stretched to compensate.

- Crop

This format crops (cuts off) the top and bottom of a 4:3 frame, keeping the 4:3 ratio intact.

Appendix 3: About High-Definition

If your display is a 16:9 format TV or monitor, your format options include these:

For 4:3 program signals:



Pillar Box



Stretch



Crop

For 16:9 program signals:



Fills TV Screen

A

Access Card - 9, 11, 52, 67, 73, 105, 109
 Activation - 52
 Adult Channels - 36
 Audio Connections - 55
 Audio/Video Options - 27
 Audio sync - 80
 Advance - Back Cover
 Autotune - 20, 28, 39-40, inside back cover
 Auxiliary Equipment - 54-58

B

Back Panel - 106-107, 110-111
 Batteries - 11

C

Caller ID - 29, 42, 81-82, 107, 111
 Category Sort - 23
 Closed Captioning - 26, 61
 Channel Banner - 24, 25, 60, 105, 109
 Channel Blocks - 36
 Clock - 61

Component Video Output - 68
 Connections - 66-71
 Customer Care - 58, 94
 Customize Guide see Favorite Chan List

D

3D Channels - 19
 Date & Time - 23
 Defaults - 68
 Deleting - 45
 Destination Buttons - 15
 Digital Audio - 54-58, 62, 107
 DIRECTV CINEMA™ - 20
 DIRECTV Mode - 14, 73, 82
 DIRECTV PROTECTION PLAN - 87
 DIRECTV® Whole-Home DVR Service - 43-47, 67
 Display - 60-61
 Dolby® Digital - 62
 DVD player/burner - 54-58

E

Episodes - 46, inside back cover
 Error Messages - 72
 Ethernet - 107, 112-116
 Exit - 15, back cover

F

FAQs - 70, 74-82
 Favorite Channels List - 23, 26, 29, 38
 FCC Customer Information - 88-91
 Filtering the Guide - 22
 Folders - 30
 Front Panel - 104-105, 108-109

G

GameSearch™ - 48
 GSN Game Lounge - 48
 Guide - 15, 18
 banners - 25
 channel types - 18-19
 customizing - 18, 26
 favorite channels - 23
 filtering - 22

- jump to a date and time - 23
 - options - 23
 - sorting programs - 23
- Guided Setup - 52

H

- HD
 - about - Appendix 3
 - channels - 19, 60
 - filtering - 60
- HD & SD Channels - 19
- HDMI - 55, 56, 57, 107, 121
- HDTV - 19, 63-64, Appendix 3
- Help - 29, 70
- Help Topics - 29
- History - 40

I

- Icons - 25, 30, 39, inside back cover
- Installation - 52-58
- Interactive Channels - 21

K

- Keyword Search - 32

L

- Language - 27, 35, 52, 60, 62, 68
- Last 5 - 25
- Local Channels - 18
- Lock (Parental Controls) - 33

M

- Main Menu - 15, 28-29, 105, 109
- Manage Autotunes - 20, 28, 36, 39-40
- Manual Autotune - 40
- Messages - 25, 29, 33, 34, 48, 72
- Mini-guide - 22
- MODE Switch - 14, 52, 65, 73, 76, 82,
back cover
- Model Number - 9, 66, 88, 105, 109
- Movie Ratings - 42
- Mute - 80, 81, back cover

N

- Navigation Buttons - 15
- Network - 54, 59, 66, Appendix 2
- News Mix Channels - 20

O

- Other Ratings - 35

P

- Parental Controls - 27, 33
 - adult channels - 36
 - channel blocks - 36
 - hours (viewing) - 37
 - locking - 33
 - passcode - 33, 34
 - ratings - 34-35
 - spending - 37
 - unlocking - 34
- Passcode - 33, 34
- Pay Per View - 20, 23, 37, 40
- Phone Connection - 53
- Power - 10, 11, 14, 54, 71, 76, 77, 87, 105,
107, 109, 111, back cover
- Power Surge - 11, 77, 87
- Press and Hold Buttons - back cover
- Previous Channels - 25, back cover
- Product Information - 9
- Program Guide (see Guide)

Progress Bar - 74
Purchases - 40

Q

QuickTune - 49

R

Ratings - 34-35
RCA connectors - 58, 107
Rear Panel - 106-107, 110-111
Receiver Problems - 78-86
Recent Searches - 32
Remote Control - 14-15, 65, 66, back cover
 buttons - 14-15
 modes - 14, 65
 problems - 82
Repair - 11, 84, 85, 86, 87, 91
Reset
 passcode - 34
 receiver - 71, 74, 76, 105, 109
Resolution - 27, 63, 64, 105, 119, 120, 121

Resolution Indicator - 105
Restart - 68
RF Remote - 66
Router - 112, 113, 114, 116, 117

S

Satellite Data Acquisition - 78
Satellite Signal Strength - 74
ScoreGuide™ - 49
Searching for Shows - 30-32
 by channel - 31
 by title - 30
 by keyword - 32
 by person - 31
Settings - 33, 52-68
Setup (see System Setup)
Shortcut Buttons - 15
Shortcut Hints - 15
Software - 21, 25, 59, 72, 92-102
Software License - 92-102
Sort - 23
Sound Effects - 62
Spending Limits - 37

Sports Mix Channels - 21
Subtitling - 26
Surround Sound - 54, 55, 56, 58, 62, 80
System Info - 59
System Messages - 25, 29, 72
System Settings - 52-68
System Setup - 59-68
System Software Updates - 72
System Test - 73
S-Video - 55, 58, 111, 121

T

Temporarily Unlock - 33
To Do List - 15, 39, back cover
Troubleshooting - 71-73
TV Apps - 50
TV Input Button - 75
TVmail - 25
TV Options - 25-27
TV Problems - 75
TV Ratings - 35

U

Unsubscribed Channels - 18

V

VCR - 54, 55, 56, 57, 58, 107, 111

Video - 21, 25, 27, 39, 54-58, 63, 80

W

Warranty - 84-86

Whole-Home DVR Service - 43-47, 67

Wired Connection - 114-115

Wireless Connection - 116-118

ACTIVATION OF PROGRAMMING SUBJECT TO CREDIT APPROVAL. CREDIT CARD REQUIRED (except in MA and PA). Programming subject to change. DIRECTV services not available outside the U.S. DIRECTV Programming is available separately and independently of DIRECTV System hardware. A valid programming subscription is required to operate DIRECTV System hardware. Activate your DIRECTV Programming today at 1-800-DIRECTV (1-800-347-3288). © 2011 DIRECTV, Inc., DIRECTV and the Cyclone Design logo, DIRECTV Active, DIRECTV INTERACTIVE and DIRECTV CINEMA are trademarks of DIRECTV, Inc. All other trademarks and service marks are the property of their respective owners.

This item incorporates copy protection technology that is protected by U.S. patents and other intellectual property rights of Rovi Corporation. Reverse engineering and disassembly are prohibited.

Due to restrictions imposed by copyright holders, certain programming may include content protection measures that may restrict viewing in high-definition and/or recording with certain consumer electronics equipment attached to the receiver. Please contact the manufacturer of such equipment for additional information.

THIS PRODUCT IS LICENSED UNDER THE AVC PATENT PORTFOLIO LICENSE FOR THE PERSONAL USE OF A CONSUMER OR OTHER USES IN WHICH IT DOES NOT RECEIVE REMUNERATION TO (i) ENCODE VIDEO IN COMPLIANCE WITH THE AVC STANDARD ("AVC VIDEO") AND/OR (ii) DECODE AVC VIDEO THAT WAS ENCODED BY A CONSUMER ENGAGED IN A PERSONAL ACTIVITY AND/OR WAS OBTAINED FROM A VIDEO PROVIDER LICENSED TO PROVIDE AVC VIDEO. NO LICENSE IS GRANTED OR SHALL BE IMPLIED FOR ANY OTHER USE. ADDITIONAL INFORMATION MAY BE OBTAINED FROM MPEG LA, L.L.C. SEE [HTTP://WWW.MPEGLA.COM](http://www.mpegla.com).

Icon Reference

Arrow Icons		Indicate that a show's start or end time is earlier or later than is visible in the Guide program cell.
		LEFT and RIGHT arrows on the remote offer special functionality.
		Objects are scrollable above or below the visible window
		UP and DOWN arrows on the receiver front panel offer special functionality.
Other Icons		Indicates a program is set to Autotune
		Indicates Autotune has been set for all episodes of an ongoing program.
		Indicates showing that was set by the user was canceled by the scheduler due to an unexpected conflict.
		Shows Autotune has been set for matching programs in a Search.
		Denotes one or more alternate audio tracks available for a program.
		Indicates one or more new messages are in the Inbox.
		Shows that Parental Control limits are currently "locked."
		Shows that Parental Control limits are temporarily unlocked.
		Shows that there are no current limits imposed.

Other Icons



Indicates a rating level or channel that is blocked via Parental Controls.



"All Day Ticket" indicates that the program is rented for 24 hours starting when you first view the program.



Indicates program shown in letterbox format.



Denotes an error condition has occurred.



Appears when at least one rating or channel is allowed.



Appears when at least one rating or channel is blocked.



Used to create/enter passcodes in parental controls.



On screen color hint indicating a special function activated by pressing the related color button on the remote control.



Indicates a fee applies for viewing program.



Indicates the program is/will be broadcast in High-Definition format.



MODE SWITCH

Changes remote to control other equipment, for example a DVD Player.

TV INPUT Changes the "source" - the piece of equipment whose signal is displayed on your TV.

HD/ONV/FORMAT Cycles through screen formats (crop, stretch, pillar box, letter box) and resolutions.

STOP* Stops Recorded Video

REPLAY* Jumps back 6 seconds. Hold down to jump back to the beginning.

REWIND* Press up to four times to rewind at increasing speed.

PAUSE* Pauses current video.

ACTIVE Displays the DIRECTV Active Channel-local weather and more!

GUIDE Press once to see the Program Guide. Press twice to see programs by category.

SELECT Selects any highlighted item.

BACK Takes you back one menu screen.

MENU Display a compact menu of settings and services.

RED In Guide, jumps 12 hours back; other functions vary - look for hint on-screen.

GREEN In Guide, jumps 12 hours forward; Function varies on other screens - look for on-screens hints.

VOLUME Raises or lowers volume.

MUTE Toggles sound volume on/off.

NUMBERS & DASH

Tune to a channel directly; also input numbers when needed in on-screen menus.

DIRECTV & TV POWER ON

Turns your DIRECTV® Receiver and TV on and off at the same time.

POWER Turns on/off whichever equipment the MODE switch is set to.

ADVANCE* Jumps ahead 30 seconds. Hold down to jump forward to the end.

PLAY* Play current video; press and hold for slow motion.

FFWD* Press up to four times to fast forward at increasing speeds.

RECORD* Press once to record a live TV program or the program highlighted in the Program Guide. Press twice to record a series.

LIST Displays the To Do list.

EXIT Exits any menu and returns to last channel viewed.

ARROWS Moves the highlight (up, down, left, right) within a menu.

INFO Displays information about the program you are watching or that is highlighted in the Program Guide.

BLUE In live TV, displays the Mini guide; Function varies on other screens - look for on-screen hints.

YELLOW Displays various options while viewing the Guide, or the Playlist.

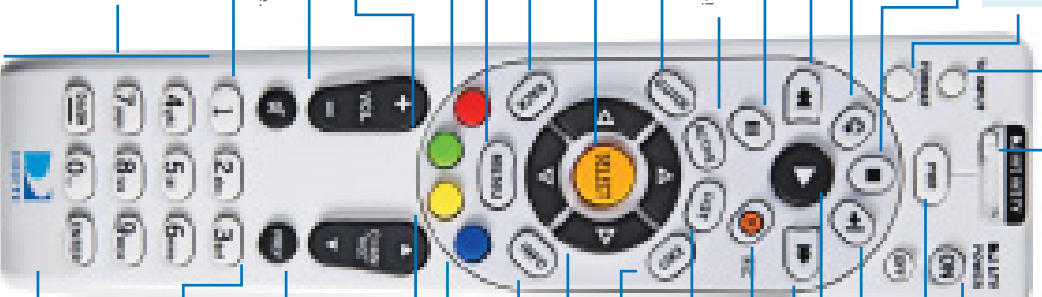
CHAN/PAGE In live TV, changes channel up or down; in a menu, such as the guide, scrolls page up and down.

PREV Tunes to previous channel viewed.

ENTER Activates channel number entries quickly.

Keys in **orange** text can be programmed to function with your VCR, DVD player or other stand alone equipment.

* These descriptions apply to DIRECTV Digital Video Recorders. Other equipment may behave differently.



NONDVR01.706JUN2011