

P.O. Box 1079
El Segundo, CA 90245

USER GUIDE

DIRECTV® HD DVR RECEIVERS





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 TO THE DIRECTV FAMILY!

Welcome! Now that you're plugged in, it's time to start enjoying over 280 (including 170 Full-time HD channels) channels of live and On Demand TV programming, satellite music and a huge selection of box office hits from DIRECTV CINEMA™. We'll take you step by step through everything, from pushing the POWER button to searching for your favorite programs.

This User Guide applies to the DIRECTV® HD DVR and the Genie™ HD DVR and Mini Clients. Because this User Guide was designed to accommodate several models, your Receiver and its user interface may vary slightly from what is shown here.

Online Manuals and Other Resources

- To view the most up-to-date manuals for DIRECTV Receivers and other equipment, please visit www.directv.com/manuals or go to www.directv.com and search for keyword "manuals".
- You can also visit www.directv.com to manage your account, and find information about DIRECTV service, programming packages, special promotions, and much more.

Getting Connected

If a professional installed your DIRECTV® HD DVR and any Clients, you are ready to start watching TV. If your equipment was not professionally installed, or you just added a surround sound system or other equipment, please see Appendix 1, "Setup and Activation".

IMPORTANT:

- You must subscribe to DIRECTV Advanced Receiver HD (ARHD) to view the HD channels included in your programming package.
- DIRECTV hardware and programming and HD fees available separately. For information and pricing regarding programming and ARHD, please visit directv.com.

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SAFETY & CARE

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 with 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 the apparatus.
11. Use only 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. • 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.
15. Use only the power supply (power cord) that came with your DIRECTV Receiver. Failure to use the authorized power supply (power cord) may cause electric shock, fire, bodily injury and/or property damage. If the power supply (power cord) becomes damaged or needs to be replaced, please contact DIRECTV Customer Service to obtain an authorized replacement.



WARNING: Use only the power supply (power cord) that came with your DIRECTV® Receiver. Failure to use the authorized power supply (power cord) may cause electric shock, fire, bodily injury and/or property damage. If the power supply (power cord) becomes damaged or needs to be replaced, please contact DIRECTV Customer Service to obtain an authorized replacement.

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
RISK OF ELECTRIC SHOCK
DO NOT OPEN!



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

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. 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.

- 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. 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 for your Receiver is located behind the small door on its front panel. For your Mini Client, the sticker can be found on the bottom or base of the unit."
 - 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.

PRODUCT INFORMATION

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 *	

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CHAPTER 1: USING YOUR REMOTE CONTROL

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DRAFT

YOUR REMOTE CONTROL

DIRECTV GENIE® REMOTE CONTROL

Introducing the DIRECTV Genie® Remote Control

Most remote controls send an Infra Red (IR) signal to your Receiver, and must be pointed directly at the box in order to work properly. Now DIRECTV offers an improved remote control device, the Genie model series (RC71 and above, Black & White design), which uses Radio Frequency (RF) technology to control your entertainment experience. Please see back cover for the Genie Remote button layout and functions.

Genie Remote Works with Previous DIRECTV Receivers, too

The Genie Remote is “backwards compatible”, and comes factory-set to work in Infra Red (IR) mode. This means you can use it with your pre-Genie non-RF equipped HD Receivers and Client devices. You can also change the factory settings to take advantage of the benefits of RF mode, which include improved command transmission speed, extended battery life (up to a year), reduced interference, and more. (see next page for RF Mode instructions).

During the programming process, the Genie Remote Control becomes paired with the DIRECTV Receiver you want it to work with. However, you can pair it later with a different DIRECTV Receiver, if you wish. See the following page for programming instructions.

NOTE: If you have upgraded to the latest DIRECTV Genie Receiver (HR44 and above) and Mini Client (C41, C41W and above), the Genie Remote is not required – you can still use the previous generation (RC6x series) DIRECTV Remote Controls to operate your devices.



Programming Your Genie Remote

For your TV:

1. Make sure your TV is turned on.
2. Press and hold the MUTE & SELECT buttons until green light at the top of the remote flashes twice.
3. Enter the following TV code [5] [4] [0] [0] [0].

For Radio Frequency (RF) Mode:

1. Make sure the Receiver and TV to which you want to program your Genie Remote are turned on.
2. Press **MENU** on the Remote, then select "**Settings & Help**" from the left menu.
3. Select "**Settings**" from the Settings & Help screen.
4. Select "**Remote Control**" from the left menu.
5. Select "**IR/RF Setup**".
6. Use the arrow keys to select "**IR**" or "**RF**", depending on which Receiver you wish to pair the remote with, then arrow to select "**Continue**".
7. Follow the onscreen instructions from this screen.

Resetting to IR Mode

If you have set your Genie Remote to RF mode, and wish to reset it to Infra Red (IR) mode, repeat the above steps to #6, choose "IR", and follow the onscreen instructions.



YOUR REMOTE CONTROL

DIRECTV WHITE REMOTE CONTROL (RC65 AND EARLIER)

The DIRECTV White Remote works with your pre-Genie Receivers, RVU-enabled clients, and the latest Genie Receivers and Mini Clients, as long as they are programmed to operate in IR Mode.

If your DIRECTV® System was installed professionally, your Remote is already programmed to operate your TV. To reprogram the Remote for a new TV or other audio-visual equipment, press MENU, select "Settings & Help", "Settings", then "Remote Control" and follow the instructions.

POWER BUTTON & MODE SWITCH

Use the POWER (PWR) button and Mode Switch to turn a single component on or off (a DVD player or surround sound system, etc.). The Mode Switch to the position that matches the component you want to control and use the POWER button to turn it off or on. The mode switch must always be in the far left 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 onscreen message will pop up to alert you.

NOTE: DIRECTV White/RC65 and Earlier Remote Controls - If you are already a DIRECTV HD customer with Advanced Receiver HD (ARHD), you may have one or more of DIRECTV's previous model Remote Controls (Model RC65 or earlier). You can continue using this Remote Control device with your existing Receivers (HR34 and earlier) and or RVU-enabled Clients (C31 and earlier, and non-DIRECTV RVU-enabled Clients/TVs).



BASIC BUTTON CONTROLS ON DIRECTV REMOTES

These navigation and destination keys are common to both DIRECTV Remotes:

MENU button 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.

GUIDE – accesses the Program Guide.

LIST – accesses the Playlist screen.

EXIT – Dismisses any menu screen/box and returns you to your current programming.

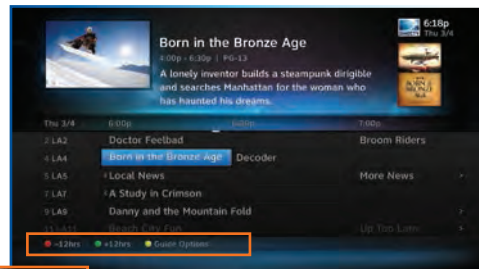
ARROW Keys & SELECT - Navigate through any menu screen or dialog box.

BACK/ Left ARROW Key – Returns you to your previous location



SCREEN HINTS BUTTONS

Both Remotes feature special buttons that offer shortcuts within the DIRECTV interface. These buttons coincide with graphical “screen hint” icons that display at the bottom left of your screen. The buttons include the DASH, ENTER, and RED buttons on both the Genie and White Remotes, and the ACTIVE, GREEN, YELLOW and BLUE buttons on the White Remote only. Examples of the screen hints and their functionality are included in this chapter and throughout this User Guide.



YOUR REMOTE CONTROL

DVR CONTROL BUTTONS



White Remote



RC71 Remote

Below are the DVR control buttons (Rewind, Fast Forward, etc.) common to both types of Remotes with exceptions as noted.* They can also be used along with the Mode switch to control a DVD player or other auxiliary equipment.



PLAY / SLOW MOTION

Starts the recorded video or paused live TV currently on screen. Hold this button down for slow motion.



PAUSE / FRAME BY FRAME

Freezes the action of any live or prerecorded television program. While paused, press FFWD or REW to move forward or backward frame by frame.



FFWD / JUMP TO TICKMARK

Fast-forwards recorded or live-stored video. Press up to four times to fast-forward at increasing speeds. Press ADVANCE while fast-forwarding to go to the next 15-minute tickmark. Pressing PLAY returns to normal play.



RECORD

One press allows you to record programs in the Guide and live TV. Press twice to record a series.



STOP**

While watching recorded TV, pressing this stops playback, displays the recorded program info screen, and inserts live TV in the top right.



REPLAY / JUMP TO BEGINNING OF PROGRAM

Jumps the program you're watching backwards 6 seconds and starts playing from that point. Holding down REPLAY jumps to the beginning of the program.





REW / JUMP TO TICKMARK

Rewinds recorded or live-stored video. Press up to four times to rewind at increasing speeds. Press REPLAY while rewinding to go to the previous 15-minute tickmark. Pressing play returns to normal play.



ADVANCE / JUMP TO END OF PROGRAM

Jumps ahead in recorded or live-stored video by 30 seconds. Press multiple times to skip multiples of 30 seconds. Hold down to continue to the end of the program.

*For White Remote Only: The DVR buttons can also be used along with the Mode Switch to control a DVD player or other auxiliary equipment.

** The STOP button is not available on the RC71 Remote.

NOTE: For White Remote only: Each time you press a button, the green light at the top of the White Remote flashes. If it flashes several times with a single press, this indicates the batteries (size AA) need to be replaced.

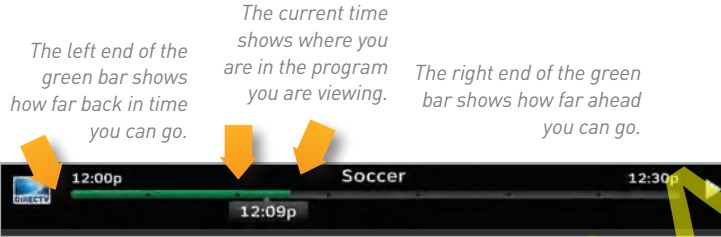
YOUR REMOTE CONTROL

CHECKING REMOTE CONTROL STATUS FOR ALL REMOTES

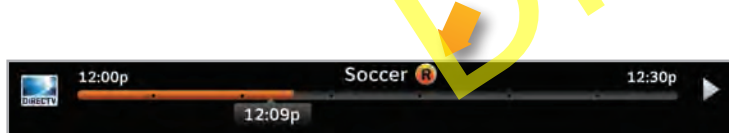
You can access the "More System Info" screen to see the status of any Remote on a given Receiver or Client, such as battery condition and signal mode. Press MENU, select "Settings & Help", select "Info & Test" from the left menu, then arrow over to "More System Info". Using the ARROW keys, scroll down the list of information to "Remote Control" to view its status. If more than one Genie remote is paired with the Genie HR44 or other Receiver, it will display in the listing "Other Paired Remotes".

DRAFT

When you use the DVR control buttons, this indicator bar appears at the bottom of the screen to show where you are in the program and how far you can go forward or back. For live programs, the progress bar is green and the time shown is the time of day.



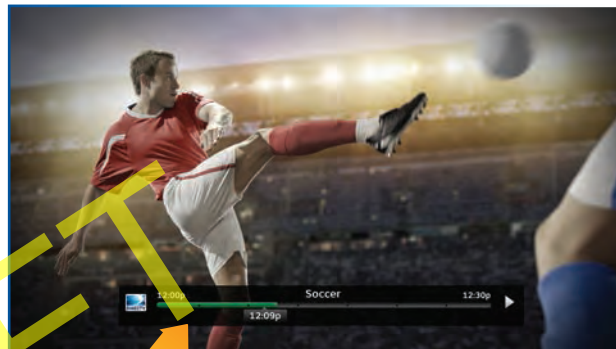
If you press the RECORD button during a live show, the progress bar turns orange and the orange record icon appears next to the title of the show.



LIVE BUFFER

Your DVR saves programs to the hard drive instantly and continuously, while you watch. This “live buffer” lets you pause, rewind fast forward or instant replay (jump back 6 seconds). If you start watching a program late, even if it is not set to record, you can back up to the beginning (up to 90 minutes) using REW, as long as you haven’t changed channels since the program started. Simply press PLAY during a show to display the progress bar and see how far back in time you can go.

NOTE: You cannot fast forward during live TV until you pause or rewind a program.



Progress Bar

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PROGRAM GUIDE

Press the GUIDE button to display the onscreen Program Guide, with up to 14 days of programming information.

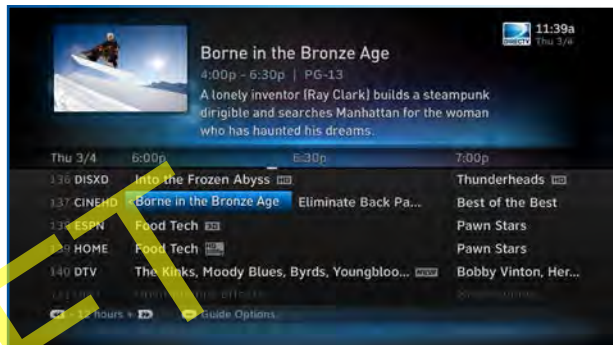
Navigate in the Guide as follows:

- Use the ARROW buttons to move one cell at a time up/down/left/right;
- Use the CHAN/PAGE button to scroll up or down by page;
- Input a channel number to tune directly to it.
- Press the right ARROW button to scroll programming that's playing up to 14 days in the future on a particular channel.

PROGRAM INFO

Press INFO on any program to see its associated info screen, which screen displays the program's description and provides other information and functionality:

- Watch or record the program, view a list of other showings or episodes, and more.
- "Rotten Tomatoes™" - This popular film/TV Critic ratings system uses fresh or rotten tomato icons to represent critic scores.
- "Flixster" - This audience ratings service uses upright or spilled popcorn icons to represent audience scores. (A 60%+ awards the fresh tomato and upright popcorn, respectively.)
- "Cast & Crew" - see info on actors, directors, producers, etc. who worked on the show or movie. Select a name to view the "Filmography", which is the actor or crew member's entertainment resume.



- “You Might Like” - displays shows similar to the current program.
- “Parental Info” - shows info from Common Sense Media, a non-profit, independent organization that provides ratings and reviews for TV shows and movies. You can decide appropriate programs for your children based on program description; details on a program’s language, violence and sexual content; and age-appropriate indicator.

LOCAL CHANNELS

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

HD AND SD CHANNELS

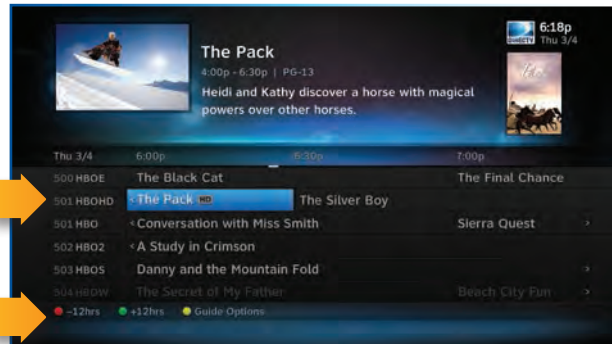
DIRECTV has a tremendous offering of HD channels and they are spread throughout the Guide. They are identified by an “HD”, look for HD after the program title in the Guide. If you want to see only the HD version of a channel in the Guide go to Chapter 6, “Settings:Display:Preferences”, for instructions on how to make that setting.

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 these channels. See Chapter 6, “Settings & Help: Favorite Channels” for details.

HD
Channel

Unsubscribed
Channel



PROGRAM GUIDE

3D CHANNELS

3D channels are in the 100s series in the Guide, starting on channel 103. For a list of 3D programs, press GUIDE, press the DASH [—] key* and then select “Sort programs by category”. Select “3D” and a list of 3D programs will display.

NOTE: *If you are using the older DIRECTV White Remote, press GUIDE, the YELLOW button, and follow the same instructions as above for 3D channel list.

NOTE: There is no separate 3D fee, but DIRECTV 3D programming is broadcast in HD and requires HD Access, HD Receiver (HR44, HR34, 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.

INTERACTIVE CHANNELS

Interactive Channels allow you to interact with what you see on screen. When accessing these channels, you will have to wait a few seconds for the software to download.

- Tune to Channel 9999* to get weather, horoscopes, lottery results, games and more. The channel is ready to interact when the yellow highlight box appears.
- To exit an interactive channel, press GUIDE and select another channel, or just directly input the numbers of the destination channel on your Remote while still on the ACTIVE Channel.
- Other interactive channels, such as Sports Mix let customers with a qualifying programming package see up



to eight of the hottest channels on one screen. These channels are distributed among your regular channels; see the Program Guide. Move the yellow highlight box using the direction arrows on your remote to hear the audio associated with each channel. If you want to see a channel full-screen, move the yellow highlight box over it and press SELECT.

NOTE: *Press the ACTIVE button on the older, DIRECTV White Remote to tune to the ACTIVE Channel.

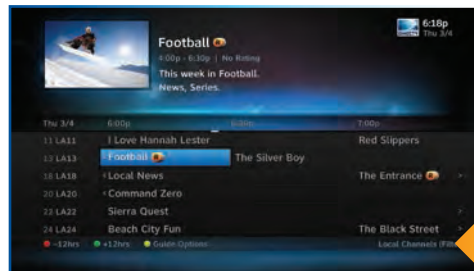
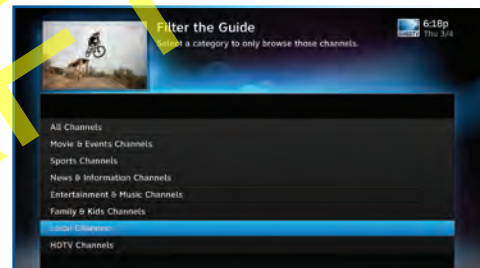
FILTERING THE GUIDE

There may be times when you want to temporarily trim down the channels that are shown in the Guide, filtering them by program type. For example, you may want to see just sports or movies or news.

- Press GUIDE twice to display the Guide Filter.
- Highlight your desired category and press SELECT.

The Guide will display only channels in your desired category, which is labeled at the bottom right of the Guide.

NOTE: Since the filtering is temporary, it only lasts as long as you keep the Program Guide on the screen.



Look to the right to see how the Guide is being filtered.

PROGRAM GUIDE

GUIDE OPTIONS

From the Program Guide, press the DASH key [—] on the Genie Remote or press the button on the older DIRECTV White remote 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 sort criterion.

Jump to a Date & Time:

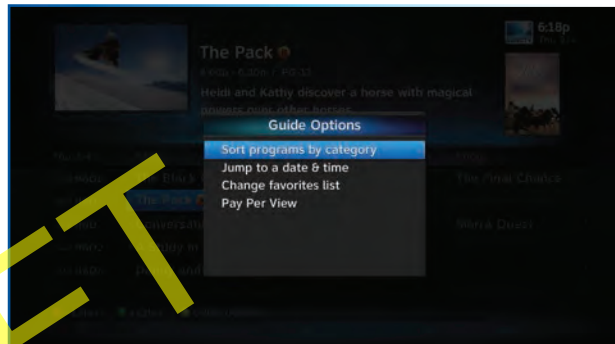
Select “Jump to a date & time” to quickly go to a future date and time in the Guide.

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 among 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 Chapter 6, “Settings & Help: Favorite Channels” for details.

Pay Per View:

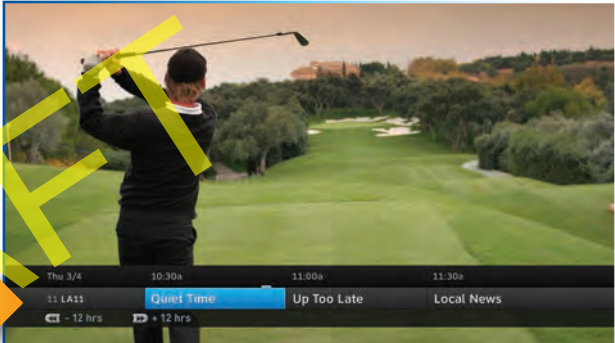
Select “Pay Per View” then select a program type. The Receiver will search for featured movies, sports or events that are available for “rent” from DIRECTV’s vast Pay Per View offerings.



More programs are available using All Movies, On Demand TV Shows and Adults Only destinations (See Chapter 3.)

MINI GUIDE

If you are watching a show and want a quick look at what's on next, press ENTER to display a one-line mini Program Guide. Use it for the channel you're currently watching or type in a new channel number to see what's airing next there. Look for the channel or time you want using the UP, DOWN, LEFT and RIGHT arrows. Press SELECT on the new show to go to that channel.



CHANNEL BANNER & TV OPTIONS

When you find a currently airing 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. Select "More Info" for detailed program information and other options.

You can also press INFO to display the Channel Banner while watching a program.

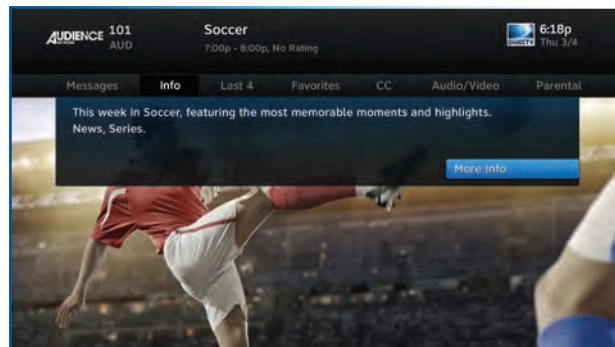
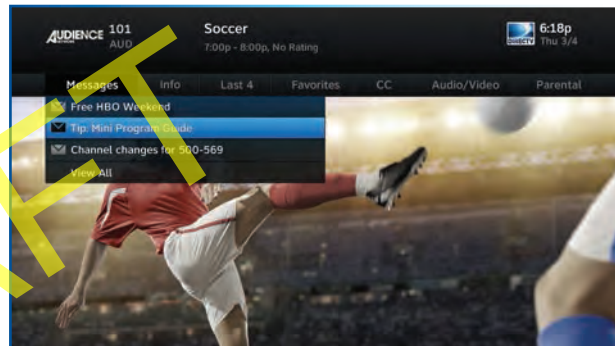
The Channel Banner also provides easy access to Messages, the last four channels you watched, Favorite Channels, Closed Captioning, Audio and Video options, and Parental Controls. Use the ARROW keys to highlight an option, then press SELECT.

MESSAGES

Select "Messages", to see your messages. DIRECTV sends messages to you for important news items or special promotions. When you have new mail, an "envelope" icon appears in the Channel Banner.

INFO

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



LAST 4

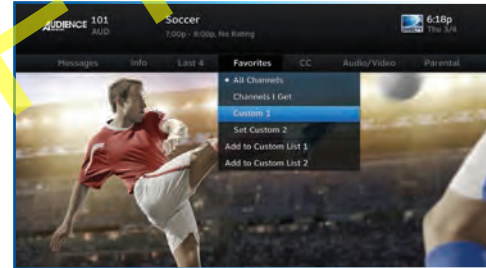
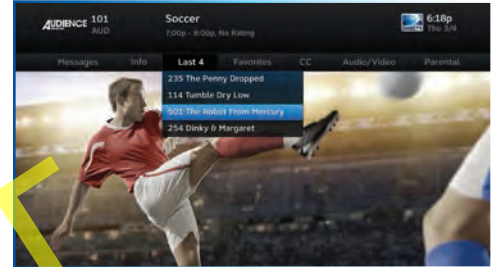
Select “Last 4” to see a list of previous channels you’ve watched (up to 4). When you select a channel from this list, the Receiver will tune to that channel. This is an easy way to toggle among the channels you watch most often.

FAVORITE CHANNELS

Select “Favorites” to update the Program Guide to show only the channels you want to see. You have four options to choose from such as, “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.

CLOSED CAPTIONING

Select the “CC” option, then select either “DIRECTV Subtitles” or “Closed Captioning”. 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.

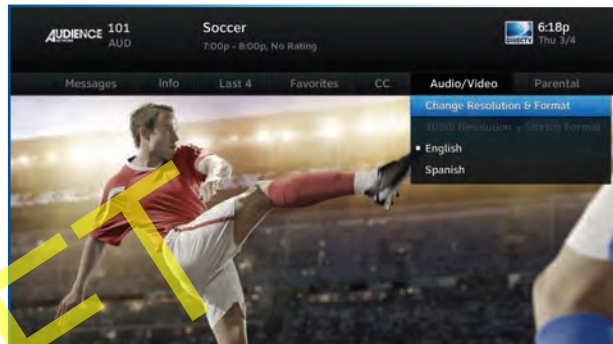


CHANNEL BANNER & TV OPTIONS

AUDIO/VIDEO OPTIONS

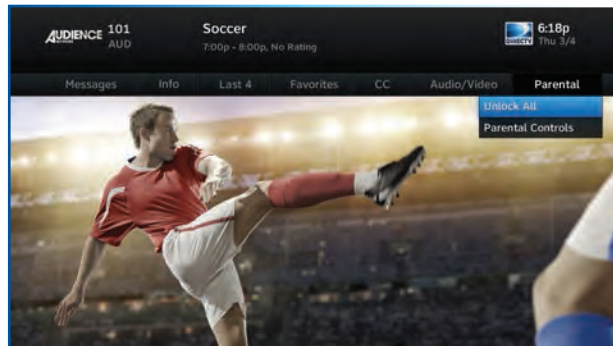
Select "Audio/Video" to change the resolution and format of your display and to change audio to an alternate language, when available. Select "Change Resolution & Format" to change the display settings; each press of SELECT toggles to the next available option. The current settings are shown in gray text. (See "Appendix 5: About High Definition" for more information about screen resolution and format.)

You may also select a language from the options listed. Not all programs have alternate languages.



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 in Chapter 6.



PICTURE-IN-PICTURE

Watch two programs, live or recorded, at the same time. While watching one program, press the INFO button on your remote. Select "PIP". The program you're currently watching moves into a smaller window on your screen. The larger video is the active program and can be controlled by your remote. To switch between programs, press the DOWN ARROW.

To change the position of the smaller window, press INFO on your remote. Select "PIP" and choose a position from the options provided.

NOTE: The Picture in Picture feature is only available on the TV connected directly to a Genie HD DVR (models HR44, HR34 and above).



MENU

The DIRECTV Menu is your main point of access to My DIRECTV, Search & Browse, Recordings, Extras, and Settings & Help. Press MENU on your remote to see your options.

MY DIRECTV

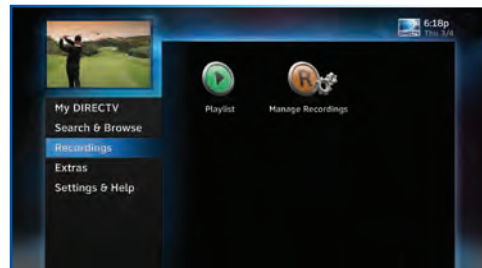
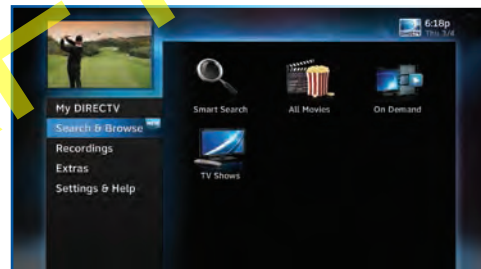
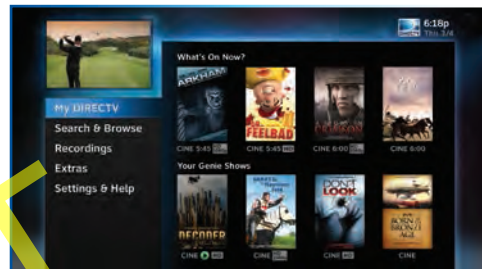
My DIRECTV gives you quick access to programs/channels you watch frequently, as well as recommended programs based on your past viewing history. Use the ARROW keys to highlight a title you are interested in, then press SELECT for program information. If you have a DIRECTV Genie® HD DVR (HR44, HR34 and above), and have the “Genie Recommends” feature enabled, you can also access the your Genie Recommends programming from the My DIRECTV screen. For more information, please see Chapter 3, “Genie Recommends”.

SEARCH & BROWSE

The Search & Browse option lets you access Smart Search, All Movies, On Demand and TV Shows. See Chapter 3 “Search & Browse” for more information.

RECORDINGS

Recordings option provides access to the Playlist and Manage Recordings features. For additional information, see Chapter 4, “Recordings”.

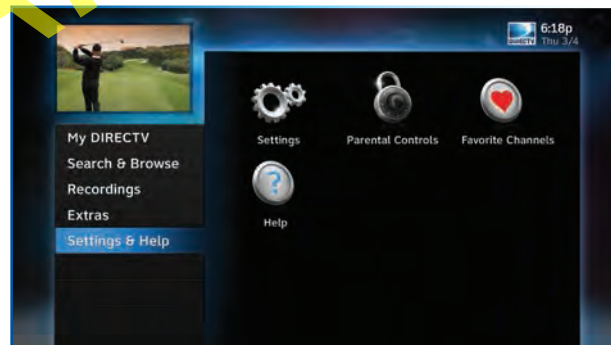
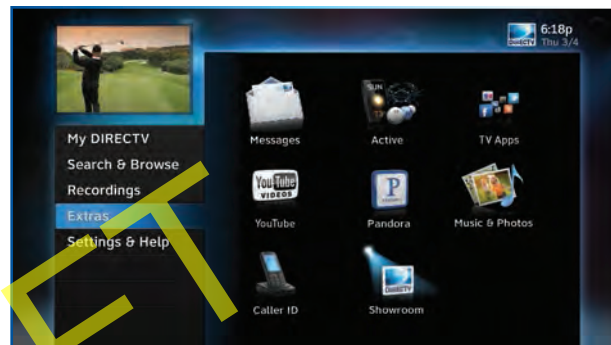


EXTRAS

Use the Extras option to access Messages, the DIRECTV Active Channel, TV Apps, Music & Photos, and Showroom. Depending on your setup, it may also include the Caller ID feature. For additional information, see Chapter 5, "Extras & Special Features".

SETTINGS & HELP

The Settings & Help screen contains Settings, Parental Controls, Favorite Channels and Help. For detailed information on each of these topics, see the Chapter 6, "Settings & Help".



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CHAPTER 3: SEARCH & BROWSE

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SEARCH FEATURES

SMART SEARCH

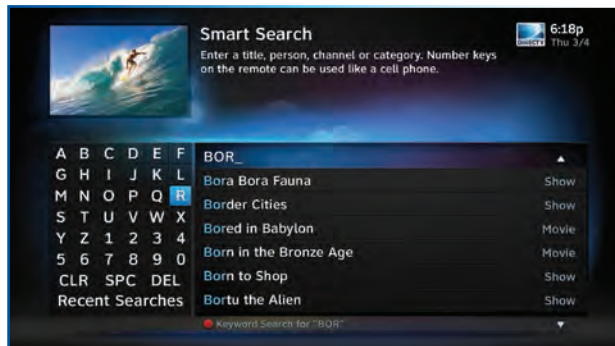
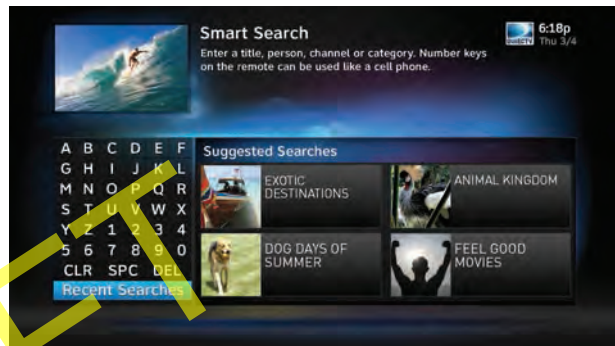
To search for programs, press MENU on your remote and select "Search & Browse", then select "Smart Search". Before you start typing, check out our "Suggested Searches" for recommendations on trending new shows, the current week's most popular shows, or programs related to current events like the World Series.

Enter your search term using the onscreen keypad, or use the numbers on your remote to "triple tap" the words. There's no need to enter words like "the" or "an".

Whether you're looking for a movie, show, person, channel, sports, etc., results appear as soon as you start typing. Search finds all matching programs within the 14-day program Guide as well as within the DIRECTV movie library. As many as three of the first results are "Top Matches" — Search anticipates your search entry and delivers results faster. Select a program from the search results for more information and recording options.

A Keyword Search finds all programs with a specific word in its title or description. For example, if you use your favorite sports team as your keyword, the results will include available games, interviews, documentaries, etc. Type your keyword on the search screen and press the RED button on your remote. You'll be given the option to select a category to narrow your results. You can select individual programs or "Autorecord" to automatically record all programs matching your keyword search.

You can edit or repeat previous searches by selecting "Recent Searches" at the bottom of the onscreen keypad.



FAR-IN-ADVANCE SEARCH TOOL

The DIRECTV Far-in-Advance search tool lets you search for a future TV series that's slated to air beyond the 14-day future programming window in the Guide. Simply type your program name into the Smart Search keypad, and choose the show you want from the results list. You can view episode information up to a year in advance of air date, and even opt to record the episode or series for which you searched.* Never miss the new season of your favorite show or new series premiere again! See Chapter 4, "Recording," for more information.

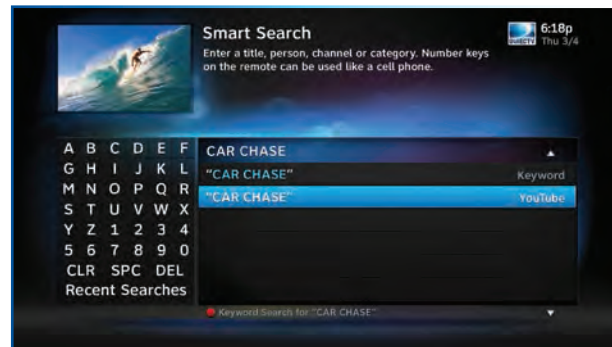
NOTE: As long as your Receiver is connected to a land-based phone line or the Internet, you can use your remote to order. Otherwise, order on directv.com.

YOUTUBE SEARCH

If your DIRECTV HD DVR is connected to the Internet, you can search for and watch YouTube content on your TV. (If you aren't connected, learn how at directv.com/getconnected.)

If you're already connected, follow these simple steps:

1. Press MENU on your remote and select "Search & Browse", then select "Smart Search".



SEARCH FEATURES

2. Enter your search term using the onscreen keypad, or use the numbers on your remote to "triple tap" the words.
3. Search results appear on the right side of the screen. The YouTube search is displayed at the bottom of the results list. Select the item labeled "YouTube".
4. A list of YouTube videos matching your search term will display. Play a video from this screen by highlighting a title and pressing SELECT. Otherwise, highlight the title and press INFO for a description of the video and other options.

DRAFT

ALL MOVIES, ON DEMAND AND PAY PER VIEW

To see what movies and On Demand content are available, press MENU, select "Search & Browse", then select either:

- "All Movies" (Channel 1100)
- "On Demand" (Channel 1000)
- "TV Shows" (Channel 1998)

ALL MOVIES

"All Movies" offers an easy, one-stop way to find ANY movie on DIRECTV, including broadcast channels, premium channels, latest releases, In Theaters, Pay Per View, and On Demand. This includes both free and premium movies.

Press MENU, select "Search & Browse", then select "All Movies". The latest movies are also available in the Program Guide starting at channel 125.

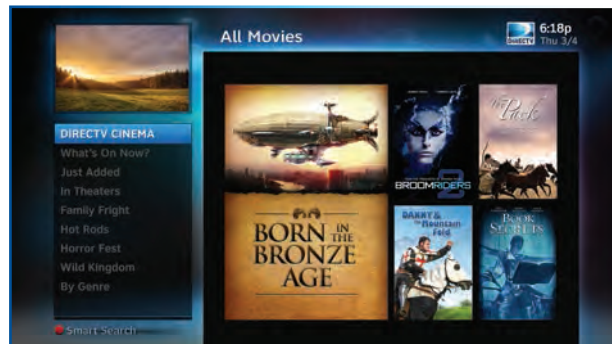
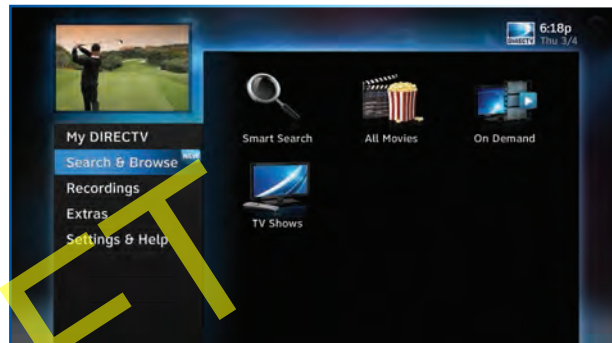
A few of the categories include:

Just Added - New titles available every week.

What's On Now? - Movies that you can either watch instantly or that will start in the next 30 minutes.

In Theaters - Movies coming soon. Read a description of the movie and schedule it to record as soon as it's available.

Select a category and browse the titles using the arrow keys on your remote or the Page Up/Down buttons. Alternatively, you can search for a movie by typing in your search term using the number keys on your remote like a cell phone.

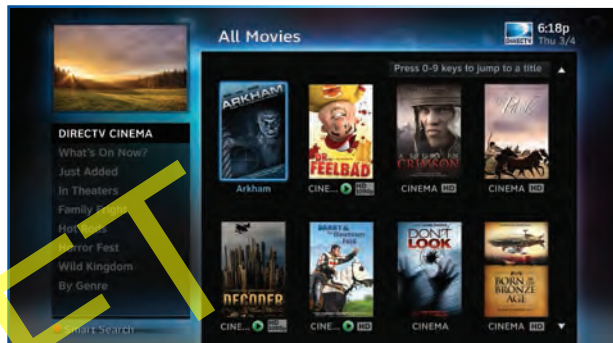


ALL MOVIES, ON DEMAND AND PAY PER VIEW

You can record or order movies from the All Movies screen. Any movie with a green Play icon is available to order and watch immediately. Select the movie, select the “Play” option, then follow the onscreen instructions.

Within the first five minutes, you can still cancel your purchase. Press INFO, select “More Info”, then select “Cancel PPV”.

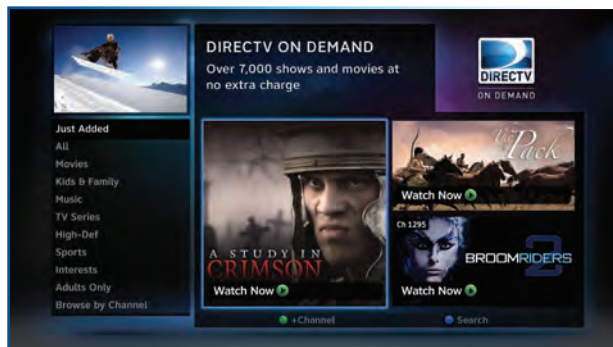
NOTE: As long as your Receiver is connected to a land-based phone line or the Internet, you can use your remote to order. Otherwise, order on directv.com.



ON DEMAND

If your DIRECTV HD DVR is connected to the Internet, DIRECTV On Demand lets you enjoy hundreds of additional box office hits available for purchase as well as thousands of movies and TV shows that can be downloaded to your Receiver at no extra charge. Browse the listings by category such as, Movies, Kids & Family, TV Series, etc. On Demand titles will download to your DIRECTV Receiver over the Internet.

NOTE: In order to download programs to your DIRECTV HD DVR over the Internet, you need DIRECTV Advanced Receiver HD and broadband Internet service with a connection speed of 750 Kbps or higher (DSL or cable). Please refer to Appendix 4 for details regarding connecting your DIRECTV HD DVR to the Internet.



ALL MOVIES, ON DEMAND AND PAY PER VIEW

VIEWER'S TIP: You can also check out your favorite programmer's home page for previews and missed episodes. Simply add a "1" in front of the regular DIRECTV channel number. For example, A&E is on channel 265. The homepage is channel 1265.

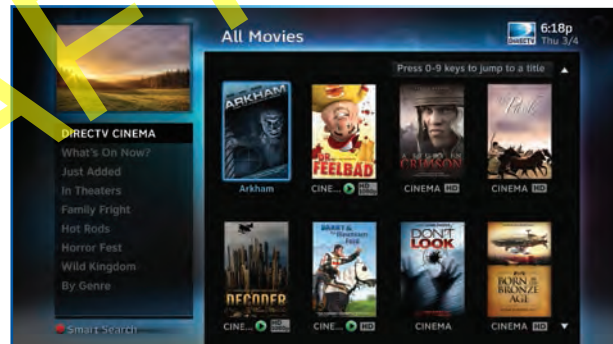
RECORDING FROM "ALL MOVIES" OR "ON DEMAND"

When your HD DVR is connected to the Internet, you get the most out of your DIRECTV service, with the broadest selection possible to choose from. You can record from both "All Movies" and "On Demand". However, if your HD DVR is not connected to the Internet you can still record from "All Movies".

When your Receiver is NOT connected to the Internet:

To record a program, highlight a title and press the orange REC (Record) button on your remote. For Pay Per View and On Demand programs, an orange "Q" next to the title indicates it's been scheduled. (Regular broadcast programs, an orange "R" icon.) You can also record by highlighting the title, pressing SELECT, then selecting "Add to Queue".

All movie requests are stored in your Queue. To access the Queue, press MENU, select "Recordings", then "Manage Recordings" and then select "Queue". You can prioritize your Queue, but movies may become available to watch in a different order.



ALL MOVIES, ON DEMAND AND PAY PER VIEW

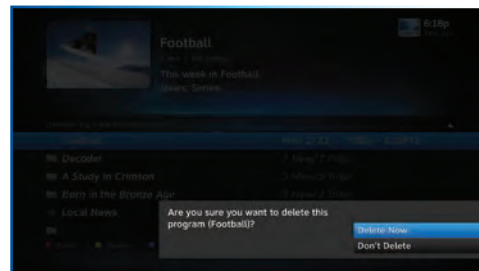
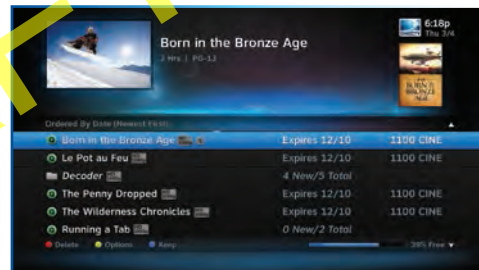
When a movie becomes available to watch, it moves to your Playlist. Your Receiver has a default limit of 5 movies that will move from the Queue to the Playlist. Watch or delete one of these movies to receive more. You can also change the default limit by pressing MENU on your remote and selecting "Recordings", then "Manage Recordings", "Queue", then "Preferences".

To watch a movie, press the LIST button on your remote to access the Playlist. Highlight a title and press the PLAY button. If it's a premium title, a confirmation message with the price of the movie will display, prompting you for confirmation to play the movie.

To delete a movie from your Playlist, highlight the title and press the RED button on your remote. To keep a movie, highlight the title and press ENTER* on your remote. This ensures the movie will not be deleted by the Receiver as your disk drive fills up.

Warning: Setting too many programs to "Keep" may fill up your disk and not allow new programs to be recorded.

NOTE: *If you are using an older DIRECTV model White or earlier remote control, press the BLUE button to keep a program in your Playlist.



ALL MOVIES, ON DEMAND AND PAY PER VIEW

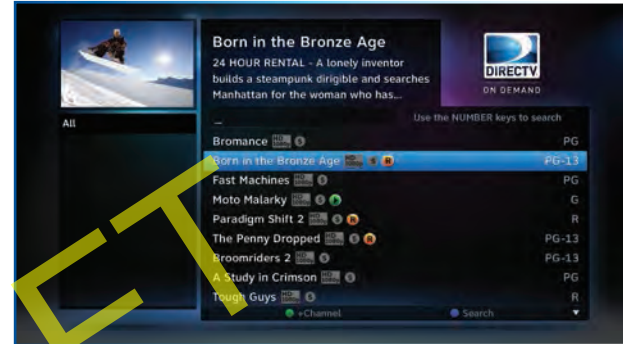
When your Receiver IS connected to the Internet:

You can record from both “All Movies” and “On Demand” menus. To record a program, highlight a title, then press the orange REC (Record) button. An orange “R” icon next to the title indicates it’s scheduled to record/download.

All scheduled records/downloads (with the exception of “In Theaters” titles), as well as those that are ready to watch, are displayed in the Playlist.

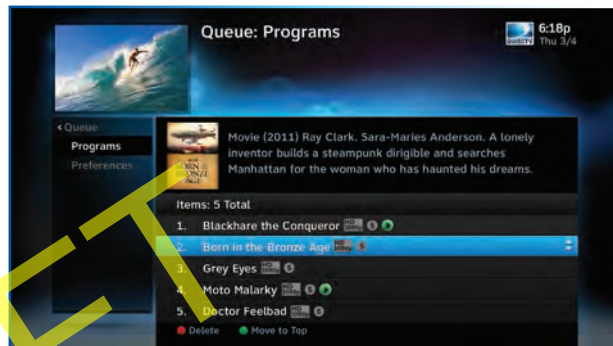
Press LIST on any DIRECTV Remote to display the Playlist. Programs are downloaded in the order they were scheduled. If a movie is currently downloading, it appears at the top of your Playlist with a progress bar displaying the % complete. You can start watching the movie while it’s downloading after the download progress bar turns green. Movies scheduled, but waiting to record/download, are labeled “Pending Download”.

To watch a movie, highlight the title and press PLAY button on any remote. If it’s a pay title, a confirmation message with the price of the program will display, asking if you’re sure you want to watch it. Delete or cancel a title from your Playlist by highlighting the title and pressing the RED button on your remote.



ALL MOVIES, ON DEMAND AND PAY PER VIEW

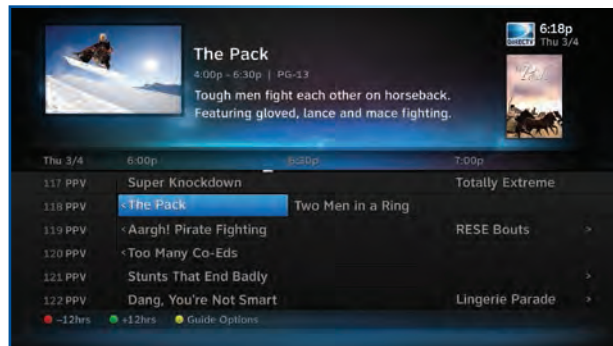
All “In Theaters” titles are stored in your Queue. To access the Queue press MENU, select “Recordings”, then “Manage Recordings” and then select “Queue”. When a movie is available to watch, you will find it in your Playlist. Your Receiver has a default limit of 5 movies that will move from the Queue to the Playlist. Watch or delete one of these movies to receive more. You can also change the default limit by pressing MENU on your remote and selecting “Recordings”, then “Manage Recordings”, “Queue”, then “Preferences”.



PAY PER VIEW EVENTS

Special events like UFC, Boxing, WWE and more are listed in the Program Guide starting around channel 117. (Actual channel number may vary depending on current offerings.)

Ordering PPV events works the same way as ordering DIRECTV On Demand movies from the Program Guide. See previous section for details.

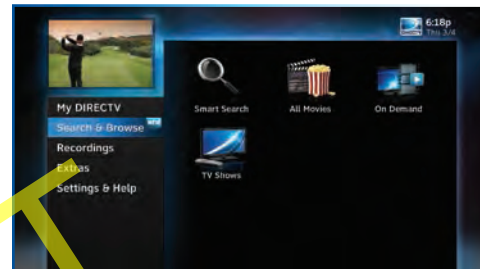


ALL MOVIES, ON DEMAND AND PAY PER VIEW

To discover the TV Shows screen, and see what's available to watch now, press MENU, select "Search & Browse", then select "TV Shows".

TV SHOWS

TV Shows is your destination for all things TV. Go to TV Shows to find programs you can watch instantly, as well as to enjoy the benefits of DIRECTV's Genie Recommends feature.*

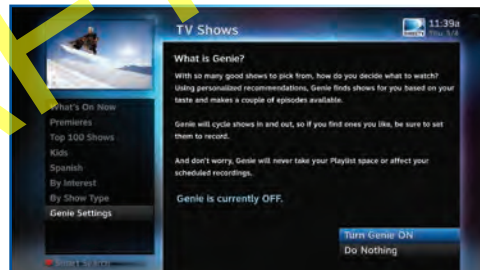


NEW GENIE RECOMMENDS FEATURE

Accessible via My DIRECTV, and "TV Shows" in the "Search & Browse" screen, the Genie Recommends feature enhances your viewing experience by giving you full control over how, what and when you watch†:

- Suggests TV programs and makes sample shows available for you to watch now, based on your tastes and what's popular
- Lets you easily convert any show to series recording
- Can start your favorite shows from the beginning, even if you tune in late

To start using Genie Recommends, press MENU, and either access it via the My DIRECTV screen, or select "Search & Browse", then "TV Shows", then "Genie Settings".



TV SHOWS AND GENIE™ RECOMMENDS

*NOTE: TV Shows and the Genie Recommends feature are only available on the Genie HD DVR (model HR34, HR44 and above) and Genie Mini Clients (model C31, C41 and above).

†NOTE: The DIRECTV start-from-the beginning feature can only be used if the tuner was pre-set to your show's channel, or someone else in a Genie-networked household was watching the show from the start.

DRAFT

CHAPTER 4: RECORDINGS

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RECORDING A SINGLE SHOW

FROM LIVE TV

To record a show you are currently watching, simply press RECORD once.

FROM THE GUIDE

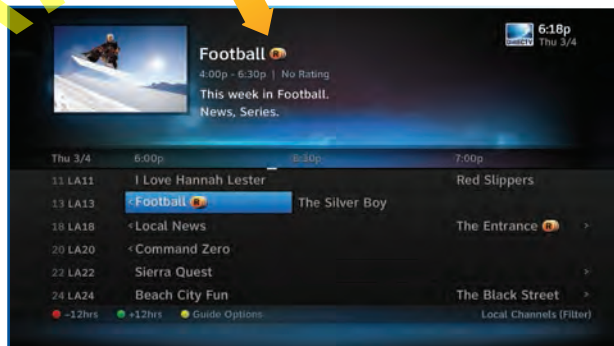
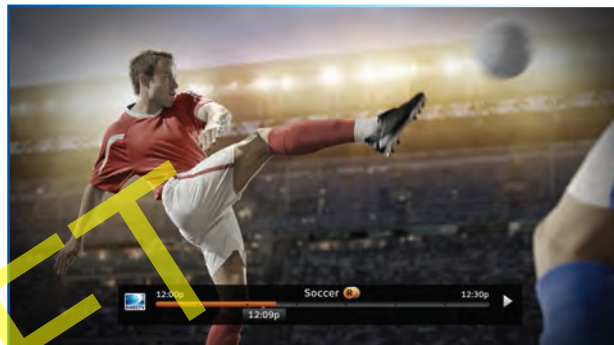
You don't have to be watching a show to record it. Simply find it in the Program Guide and press the RECORD button. The orange record icon appears to let you know your show is being recorded or is scheduled to record.

NOTE: You can record two shows at the same time with your DIRECTV DVR if you have made the proper connections to your satellite dish.

CHANGING A RECORD OPTION

Some live events and even a few TV shows run past their allotted time slot. Your DVR is very smart, but it sets up all recordings based on the start and stop times the broadcasters give us for the Program Guide.

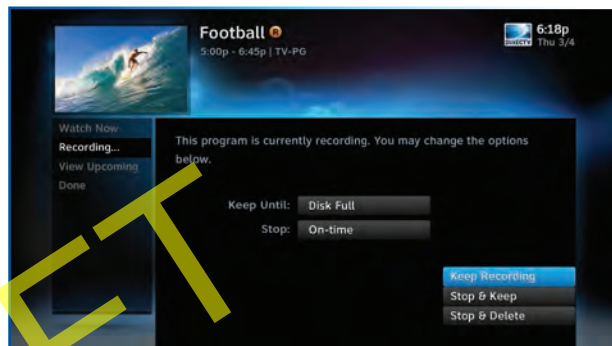
If you are watching while recording and you think your show



RECORDING A SINGLE SHOW

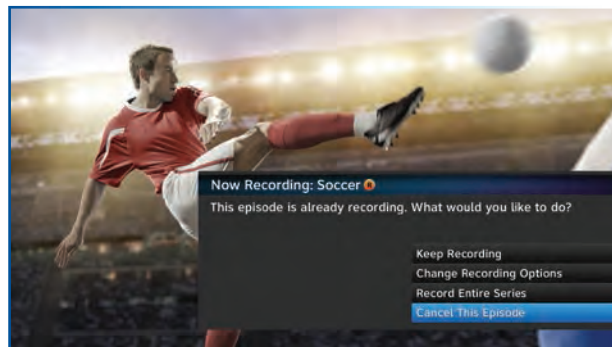
might go into the next time slot, press INFO on the remote, then select "More Info" and "Recording" from the onscreen choices to see the recording options for that show. Once there you can change the stop time or any other option. To save your changes select "Save Changes".

If your show is set to record in the future, you can find it in the Guide or To Do list, then press INFO to display the Info screen. To change a recording option for that one show, select "Episode Options" and choose whichever option or options you want to change. If you want to change a recording option for every show in the series, select "Series Options" and then choose the options you want to change.



STOPPING AN IN-PROGRESS RECORDING

If you press the RECORD button a second time on a single show (like a movie), an onscreen message will appear giving you the choice to "Keep Recording", "Change Recording Options", or "Stop Recording". This is an easy way to cancel a recording.



RECORDING A SERIES

FROM LIVE TV

If the show you are currently watching is a series and not a single event (like a movie), simply press the RECORD button twice to automatically record every episode of the series. The RECORD icon is now a repeated circle R to let you know that this is a series and not a single recording.

FROM THE GUIDE

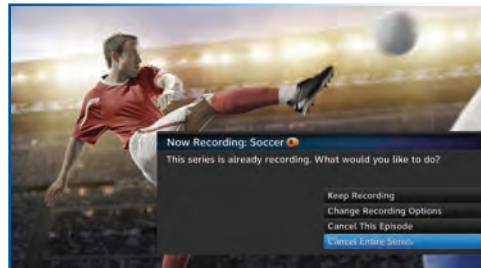
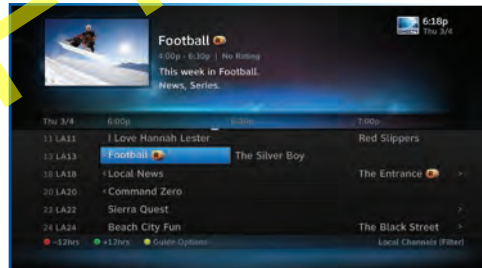
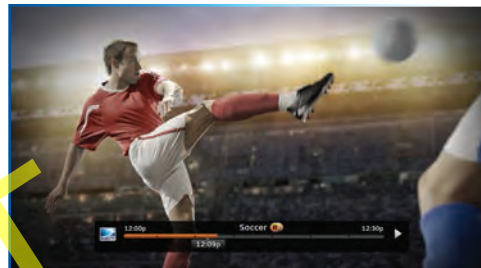
As mentioned previously, you don't have to be watching a series to record it. Simply find it in the Program Guide and press the RECORD button twice to record all episodes of it.

CHANGING A RECORD OPTION

If you are currently watching a series show and need to extend the recording time or change any other recording option, press INFO on the remote, select "More Info" and then "Series Options" from the onscreen choices. If you see a series set to record in the future in the Program Guide or the To Do List, to change a record option, press INFO and select "Series Options".

STOPPING AN IN-PROGRESS RECORDING

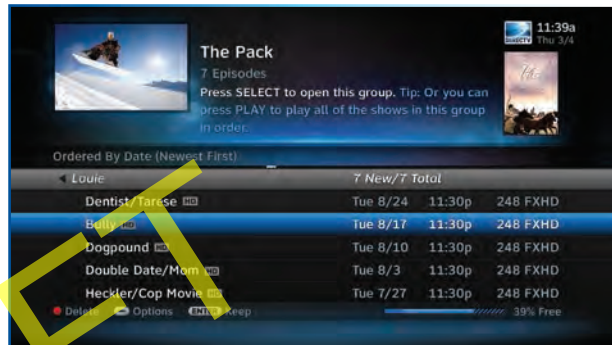
If you press the RECORD button a third time on a series, an onscreen message will appear giving you the choice to "Keep Recording", "Change Recording Options", or "Stop Recording".



WATCHING AND DELETING YOUR RECORDED SHOWS

To see your list of recorded shows, press LIST on the remote. Alternatively, you can press MENU and select "Recordings", then "Playlist". Use the arrow keys to highlight the desired show, press SELECT, then select "Play" (or "Resume" if you've already watched part of the show) to start the show.

You can use any of the DVR control buttons (PAUSE, FFWD, REW, etc.) while watching your recorded show. If you press STOP, the show will stop and an information screen with various options will appear. The last channel viewed in live TV will appear in the upper-left corner of the screen. To return to full-screen live TV, press EXIT or select "Done".



PLAYLIST

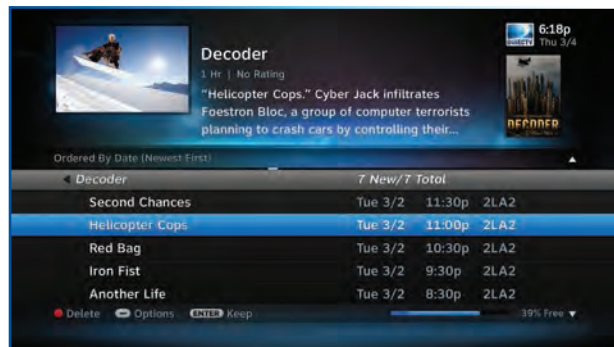
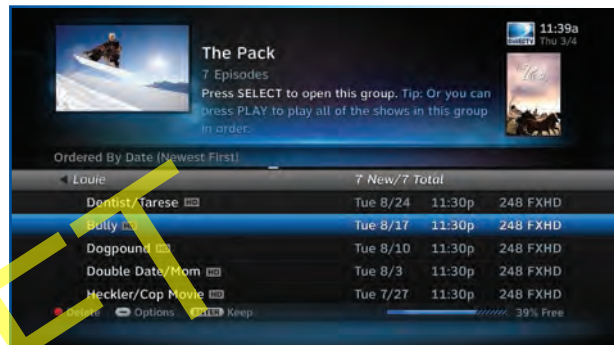
The Playlist screen displays all your recorded programs. To get to the Playlist screen directly, press LIST on the remote, or press MENU and select "Recordings", then "Playlist". Titles you have yet to view are shown in bright, white letters, while viewed titles (partially or completely) are light grey.

The time, date and channel of each recorded program is displayed to the right of the program title. Icons identifying program status are displayed to the left of the program title (for example, a circle K for "Keep Until I Delete"). See page 17x for a list of all the icons.

Highlighting a program title in the Playlist displays the program description. If you press SELECT or INFO on a program, an Info screen is displayed for the program that offers several actions including Play, Keep, Delete and others.

Series programs are identified in the list with a folder icon.

For example, if you record a weekly comedy series, the title for that series is shown with a folder icon. Press SELECT on the series title to see the recorded episodes for that series. The number of new (not viewed) programs and total programs for each series is displayed to the right of the series name; for example, "2 New/5 Total". Press PLAY on a series to play all the episodes in the folder, in order from oldest to newest.



PLAYLIST OPTIONS

From the Playlist screen, press the ENTER button to display Playlist Options.

Mark Programs to Delete

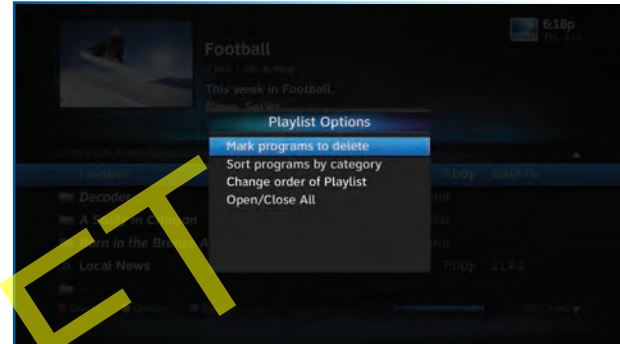
Select "Mark programs to delete" if you want to delete two or more programs at once.

Sort Programs by Category

Select "Sort programs by category" and then select Movies, Sports, News, Kids, etc., to filter the playlist as desired. This option will help you find what you want faster, once you start to record a lot of programs. This is just a temporary filter for your list, so just press the left arrow or BACK to see your full Playlist again.

Change Order of Playlist

Select "Change order of Playlist" to rearrange the order of your recorded shows. You can sort by date with the newest at the top (the factory default setting), the oldest at the top, or alphabetically in ascending (A to Z) or descending order (Z to A).



PLAYLIST

Open/Close All

All the series you have chosen to record are grouped in folders in your Playlist. Select "Open/Close All" to open all of your folders so you can see each episode without having to select each series individually. You can also use this option to close them all.

Filter by Playlist

If you are set up on a Whole-Home DVR or Genie network, this option lets you select whether to see all available titles from all Receivers, or just those on the "local" Receiver.

MANAGING MY PLAYLIST

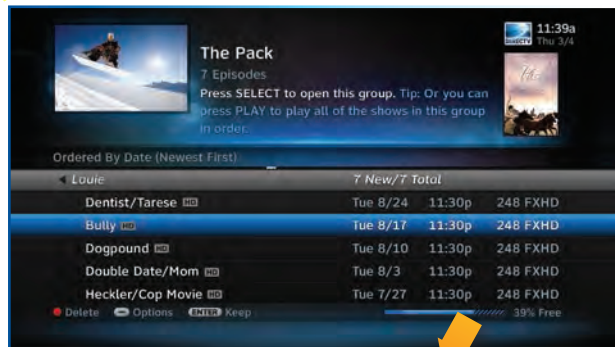
Your DVR has a lot of recording space but it is possible to fill up the hard drive if you record regularly. A quick way to check how much space you have available is the Disk Space Bar.

Disk Space Bar

The Disk Space bar is at the bottom of your Playlist. It shows the approximate amount of space available on your disk at any given time.

The Disk Space bar shows programs you have designated "Keep Until I Delete" in dark blue, programs subject to expiration or automatic deletion in light blue, and the remaining unused disk space that is available for recording in black.

When your disk is full, the oldest programs (viewed or not) are automatically deleted to make room for new ones.



39% Free

Keep

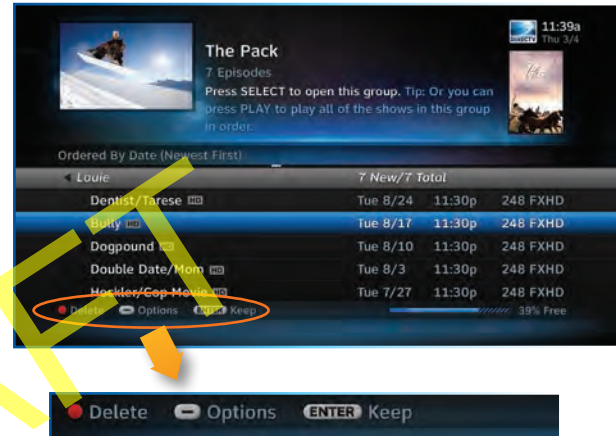
If you have a program you would like to prevent from being automatically deleted when your disk is full, highlight the show you want to keep and press ENTER on your remote. A blue, K icon will appear next to the program title indicating it will be kept until you delete it. You may be tempted to make all of your recordings "Keep Until I Delete", but if your hard drive reached capacity, new recordings will not be possible.

Another way to manage your Playlist is to delete recordings you no longer want.

Delete

Highlight a single show or a series (indicated by a folder icon) and press the RED button to delete it. If you delete a folder, all episodes of that series will be deleted. Don't worry about pressing the RED button accidentally. You will always see a confirmation message before you delete anything.

Note that HD programs take up more disk space than standard definition (SD). So, you may want to record your favorite content in HD, while recording other shows in SD to optimize your use of the available recording capacity.



MANAGE RECORDINGS

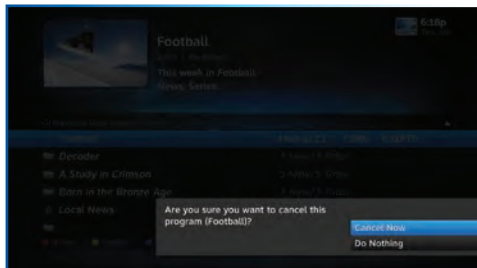
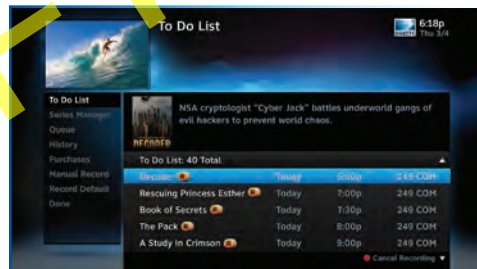
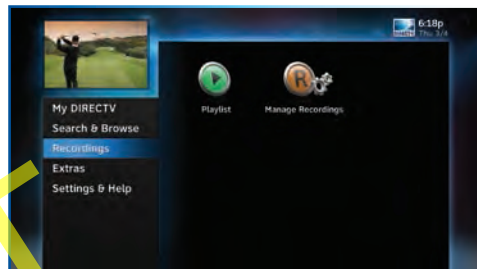
Once you have scheduled recordings, you can find the status and history of those recordings by pressing MENU and selecting "Recordings", then "Manage Recordings" to see the following options: To Do List, Series Manager, Queue, History, Purchases, Manual Record and Record Defaults. These features are described on the next few pages.

TO DO LIST

The To Do List displays recordings your DVR is scheduled to make in the future. Icons next to the titles indicate whether the recording is a single event, part of a series, or an autorecord based on a person or keyword search. The list is ordered by time with the next recordings at the top and the most distant future recordings at the bottom. You can use this screen to ensure your recordings are properly scheduled, or to delete future scheduled recordings you no longer want to record.

NOTE: DIRECTV On DEMAND™ programs that are scheduled to download via the Internet are shown in the Playlist, not the To Do List.

Deleting single shows is easy: Simply highlight the show you want to delete and press the RED button on the remote. A confirmation message will appear before you can delete the show. If you want to delete an entire series from the To Do List, select the show, select "Series Options", then select "Cancel Series".



SERIES MANAGER

The Series Manager screen displays a prioritized list of all the series you've scheduled to record. If there is a series recording conflict and the Receiver must choose which show to record, it uses this list to determine the priority. As you set up series recordings, the most recent series goes to the bottom of the list in last priority. You can change the order of the priority at any time by selecting "Series Manager", selecting the show you want to move, moving the highlight to the right, then using the arrow keys to promote or demote the series.

There are a couple of key short cuts on this screen as well. Use the RED button to delete an entire series. Press "1" on the numeric keypad of your remote on the numeric keypad of your remote to move a highlighted show to the top of the list in one press.

You can also adjust the recording options used for a particular series from this screen. Select the series you want, then select "Series Options" and change the recording options as desired.



QUEUE

The Queue screen displays movie titles that are in the queue awaiting delivery to your hard drive. See Chapter 3, "All Movies, On Demand and Pay Per View: Ordering Programs" for details.

MANAGE RECORDINGS

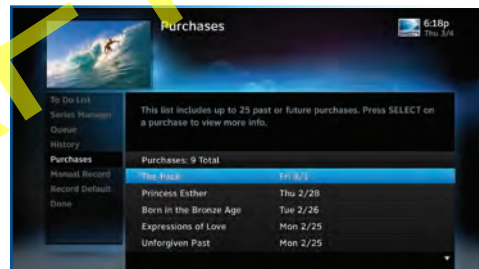
HISTORY

Provides status information for every recording scheduled, whether they were completed, canceled or deleted. If you think something should have been recorded, 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 RECORDINGS

To set up a recording based on channel, time and date, select "Manual Record" and enter all of your preferred options, including whether you want this to be a one-time or recurring recording (i.e. every Tuesday), channel, day and date, start time and duration. You can schedule a manual recording up to 14 days in advance.



RECORD DEFAULTS

The Record Defaults screen lets you set the recording options you want the Receiver to use each time it records. The Receiver's default settings work best in most cases, but you may want to change them to your personal preferences.

- When recording a series, the Episode Type gives you the option to record first run only, repeats only, or both.
- The Keep at Most option lets you decide how many episodes you want to keep: 1, 2, 3, 4, 5, 10 or All. If you select "All Episodes" for a show that appears multiple times in the Guide, it may use up disk space rapidly.
- The Keep Until option lets you keep a recording until you delete it or until the disk is full, in which case the DVR can delete it automatically if the disk fills up. A recording that is labeled "Keep Until I Delete" will never be deleted until you do it manually. If all of your recordings are labeled that way and the disk fills up, no new recordings will occur until you manually delete some of your "Keep Until I Delete" recordings.
- The Start and Stop options let you adjust the times of your recordings to ensure you don't miss anything. Keep in mind that starting early and ending late on all of your recordings may create more recording conflicts than if you started and stopped on-time (according to the Program Guide schedule). If you find a particular series runs habitually late or early, it is better to adjust that series using the program's Info screen, rather than set the recording defaults, which would affect all of your DVR recordings. Press MENU, select "Manage Recordings", then select "Series Manager". Select the program you want to adjust, then select "Series Options".



RECORDING FROM YOUR COMPUTER, PHONE OR TABLET

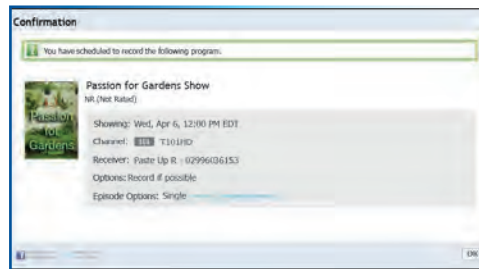
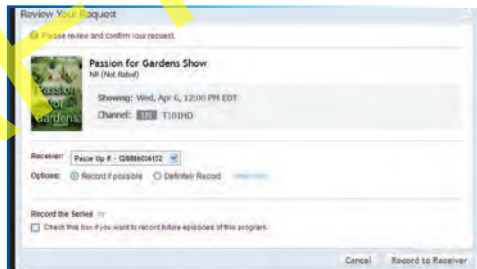
Have you ever forgotten to set a recording and wish you could do it remotely from work or while on the go? You can with directv.com, and DIRECTV Mobile Apps.

NOTE: You must have an account on directv.com to use remote scheduling /Mobile Apps.

FROM A COMPUTER

To schedule a recording from your computer, go to directv.com/tvlistings to see an online version of the Program Guide. Select a show and click "Record". If you have more than one DVR in your home, choose the DVR you want to record to and then click "Record to Receiver".

NOTE: If you have a mix of HD and SD DVRs in your home, make sure not to pick an HD movie for your SD DVR. It will not record.



RECORDING FROM YOUR COMPUTER, PHONE OR TABLET

DIRECTV MOBILE APPS

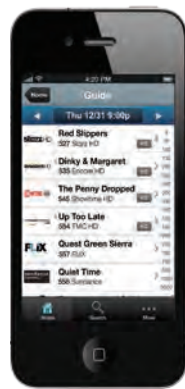
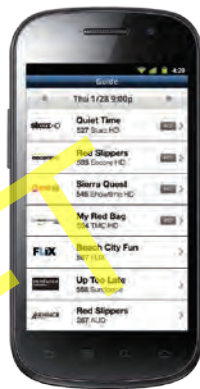
Our FREE Mobile Apps are available for the iPhone, Android™, Palm® Pre™, Palm® Pixi™, BlackBerry®, Windows® Phone 7 and the iPad. Turn your smartphone or tablet into the easiest, fastest, most convenient way to find any program and set your home DVR.

Features:

- Search for any television show up to 14 days in advance.
- Browse programs by channel, or date & time.
- Get program information instantly, including description, length and rating.
- Record a single episode or an entire series.
- Set start and end time extensions to your record requests.
- Order DIRECTV CINEMA™ right on your tablet or phone (available for iPhone, Android, Palm, BlackBerry and Windows Phone 7), no need to have your Receiver connected to a phone line. Record to any DIRECTV DVR in your home.

You can also go online to directv.com/mobileapps for more information.

You can also learn all about DIRECTV Everywhere, the mobile app that brings the DIRECTV viewing Chapter 5, "Extras & Special Features: DIRECTV Mobile Apps".



DRAFT

CHAPTER 5 - EXTRAS & SPECIAL FEATURES

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EXTRAS

Use the Extras option to access Messages, the DIRECTV Active™ channel, GSN Game Lounge, Music & Photos, Pandora and YouTube. Depending on your setup, it may also include the Caller ID feature.

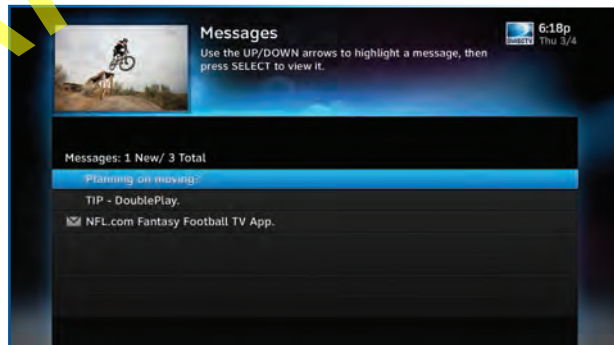
MESSAGES

Press MENU, select “Extras” and then “Messages” to see your messages from DIRECTV. DIRECTV sends you messages about important news items or special promotions.

DIRECTV ACTIVE CHANNEL

Press MENU, then select “Extras”, then “Active” to access the DIRECTV Active channel, or simply press the ACTIVE key on your remote.

The DIRECTV Active Channel provides a variety of interactive services, including daily and extended weather forecasts, daily horoscopes, lottery results, the GSN Game Lounge, and a quick list of the most popular shows on DIRECTV at any given time. For local weather on demand, press ACTIVE and select the “Weather” option. The first time you use this feature, you will have to enter your local ZIP code. You can view up to five cities by



selecting the “My Cities” menu item and following the onscreen instructions. To exit the DIRECTV Active channel, just enter a channel number or press the CHAN UP/DOWN key.

NOTE: Because it is an interactive channel, the DIRECTV Active screen may take a few moments to load. Please be patient.



EXTRAS

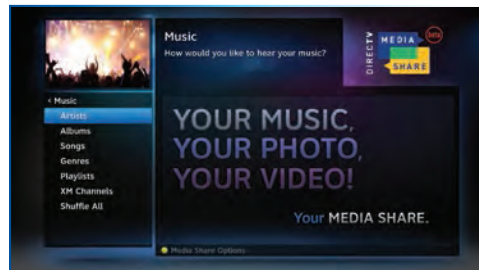
MUSIC & PHOTOS

"Music & Photos" is an optional item in the "Extras" menu, only shown when your DVR is connected to a home network. Compatible models include the DIRECTV HD DVR (models HR44, HR34, HR20 or later) or DIRECTV Plus® DVR (model R22). Other models may support DIRECTV™ Media Share in the future.

Your DIRECTV Receiver can be connected to your home network to show photos and, play music and videos that you have saved on your personal computer. You must have at least one personal computer running a media server (e.g. TVersity, Windows Media Player, Intel Viiv) in your network for this service to work. For help on setting up "Music & Photos", visit directv.com/mediashare.

Once your DVR is properly connected to the media server on your home network, press MENU and select "Extras" then "Music & Photos". The DIRECTV Media Share screen will display.

- Select "Music" to access music by Artist, Album, Song, Playlists and Channel. Your favorite music will play as you watch TV or view photos from your PC. Once the desired songs are selected, the song's information will display on the Progress bar.



- Select “Photos” to go to the Photos submenu. Select “Browse” to see several photos at once.
- The DVR controls on your remote allow you to stop, play or skip through your music and photos. Press ENTER on your remote to toggle among music, photos and video control modes. Pressing the STOP button while in music control mode stops the music from playing, and the audio from the current channel is then heard. Pressing the STOP button while in photo control mode stops the display of photos and displays the video from the current channel.



EXTRAS

CALLER ID

Depending on your phone company, the "Caller ID" option may be labeled in the format "Telco Caller ID" where "Telco" is your phone company's name; or it may appear in the "Extras" option when you press MENU.

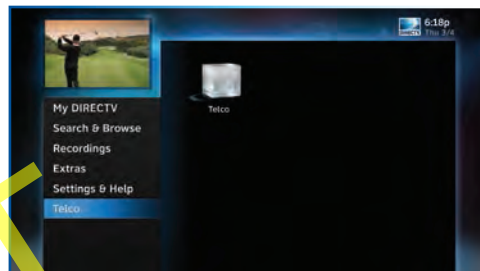
To set up your Receiver to display an onscreen notice whenever you receive a call, press MENU and select "Caller ID", then select "Turn on Notices". This will toggle the option to now read "Turn off Notices".

Note: In some areas, you must press MENU, then select "Extras", then select "Caller ID", then "Turn on Notices" or "Turn off Notices".

NOTE: You must subscribe to caller ID service through your phone company and your DIRECTV Receiver must be connected to the phone line.

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" then select "Call Log". Highlight and select a name to delete that listing from your log.

Note: In some areas, you must press MENU, then select "Extras", then select "Caller ID", then "Call Log".



SHOWROOM

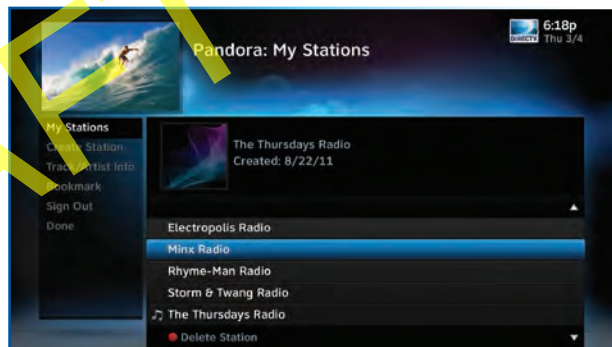
Showroom offers you DIRECTV content such as instructional videos, behind-the-scenes clips and video extras, information about DIRECTV sports subscriptions, special offers, trailers and more.

PANDORA

Pandora is personalized Internet radio designed to help you discover new music you'll love, mixed in with music you already know. To use Pandora, your Receiver must be connected to the Internet and you must have a Pandora account set up online. To access Pandora, press MENU on your remote. Select "Extras" then "Pandora".

You can listen to various stations and create, edit and personalize stations.

To listen to Pandora while watching a program: While listening to Pandora, press EXIT on your remote and select "Yes, Play Pandora" to display video onscreen. Your remote buttons now control your music. To switch to video control, press ENTER on your remote to change programs. To exit Pandora and go back to TV, press EXIT and select "No, Stop Pandora".



EXTRAS

YOUTUBE

Watch millions of Internet videos on your TV.

If your DIRECTV HD DVR is connected to the Internet, you can search for and watch YouTube content on your TV. (See Appendix 4 for connection instructions.)

If you're already connected, follow these simple steps:

1. Press MENU on your remote and select "Extras", then select "YouTube".
2. Enter your search term using the onscreen keypad, or use the numbers on your remote to "triple tap" the words.
3. A list of YouTube videos matching your search term will display. Play a video from this screen by highlighting a title and pressing SELECT. Otherwise, highlight the title and press INFO for a description of the video and other options.

SPECIAL FEATURES

Your DIRECTV HD DVR supports these special features that can be accessed without going through a menu.

DIRECTV® DOUBLEPLAY™

With DoublePlay, you can easily switch between two programs on at the same time without missing a minute of either. Your HD DVR stores up to 90 minutes of live TV on two channels. If you tune to a new channel (a third channel), the saved portion on the original channel is cleared. DoublePlay expires after two hours of non-use.

1. While watching one program, press the DOWN arrow on your remote. A message displays confirming DoublePlay has started.
2. Press the DOWN arrow again and tune to the second program.
3. Now use the DOWN arrow to switch back and forth between the two programs.
4. You can pause, rewind, fast forward, slow-mo or instant replay both.

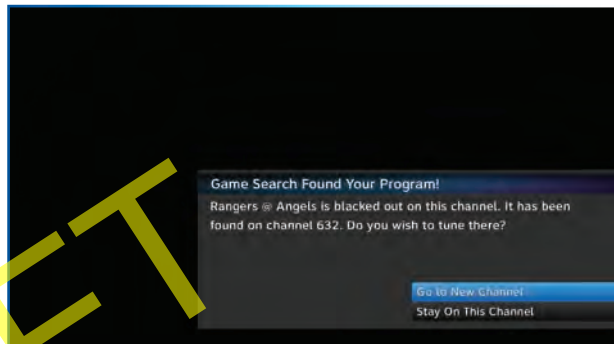
NOTE: You cannot fast forward during live TV until you pause or rewind a program.



SPECIAL FEATURES

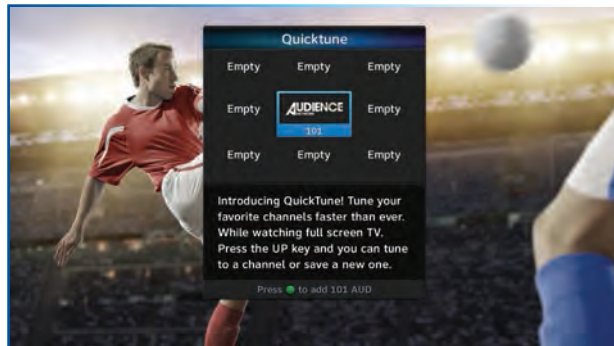
GAMESEARCH™

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™ detects 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 onscreen message that gives you the option to tune to that channel. If it can't find an accessible broadcast, an onscreen message will state that the game is unavailable.



QUICKTUNE

Use QuickTune to get to your nine "must see" channels fast! While watching live TV, press the UP arrow on your remote control. A display with fields for 9 channels will appear on screen. To fill in the fields, press the ENTER button on your remote control. The channel you are currently viewing will be added to the currently highlighted field in 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.



SCOREGUIDE™

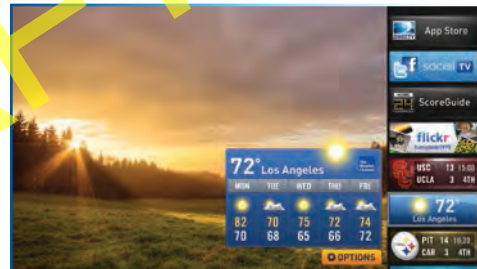
Interactive content, like scores, statistics and other information, is available on some special sports and entertainment channels. Look for an onscreen popup that lets you know when interactive content is available and follow the onscreen instructions to use the interactive features.



TV APPS

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 DIRECTV HD DVR must be connected to the Internet. See Appendix 4, "How to Network your HD DVR", for instructions.

- 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.



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, then continue watching it in another room.

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 HD DVR Receiver (models HR44, HR34, HR24, HR20-HR23 with DECA), an additional Whole-Home-capable Receiver (models H25, H24, HR24, HR34, HR44, H21 with DECA, H23 with DECA, R22 with DECA, HR20-HR23 with DECA) or RVU-enabled Client (DIRECTV C31, C41, C41W; or another brand RVU-Client) 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, HR34, and HR44 Receivers should never have a DECA installed.



2. Activate DIRECTV® Whole-Home DVR Service:

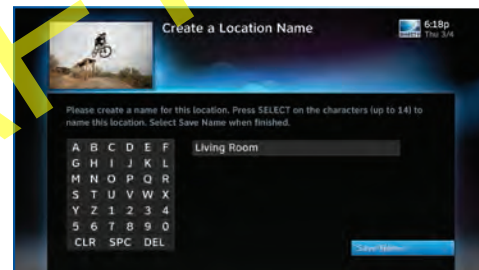
Once DIRECTV® Whole-Home DVR service is activated on your account, press the LIST button on your remote. The message on the right will display, confirming the service has been enabled. Select "Continue".



3. Name Your Locations:

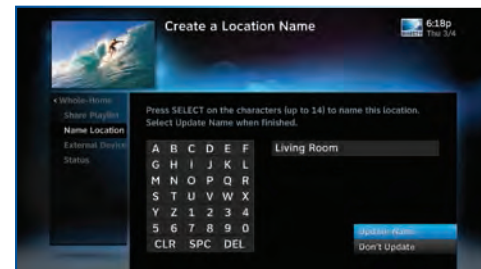
You'll be prompted to give each Receiver or Client a name. We refer to this as "Location". We recommend using a name that you'll easily associate with the room or it's location, such as, "Living Room". The name must be 14 characters or less. You must be at the Receiver to assign its name.

After you've assigned a Location Name, you can change it as follows: Press MENU, select "Settings & Help", then "Settings", "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:



DIRECTV® WHOLE-HOME DVR SERVICE

Share Playlist

An HD DVR has the option to share its Playlist with other Receivers or not. 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.

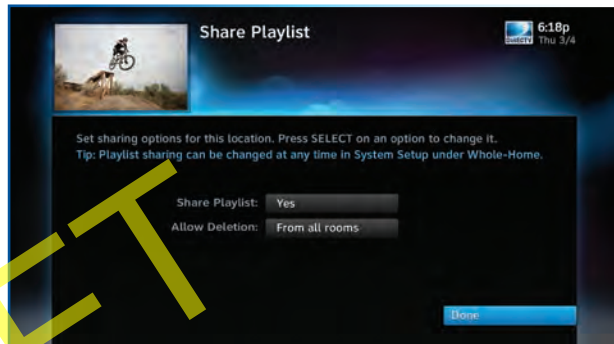
Allow Deletion

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", any attempt to delete a program (recorded in the Den) from the Master Bedroom or Kitchen would be prevented.

You can change sharing options at any time. Press MENU, select "Settings & Help", then "Settings", "Whole-Home" and then "Share Playlist".

5. View Status:

To view the Whole-Home status for all your connected HD DVRs, press MENU, select "Settings & Help", "Settings", "Whole-Home" then "Status". This screen displays if DIRECTV® Whole-Home DVR service is authorized, as well as the Share Playlist 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, the program recording process will remain the same as before.

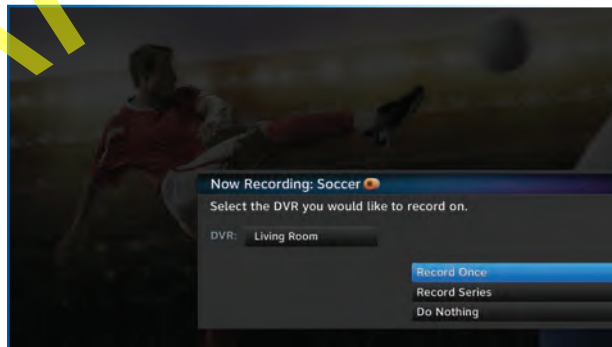
If you're in a room with an HD Non-DVR Receiver, once you authorize DIRECTV® Whole-Home DVR service you'll be able to request programs to record.

- 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 onscreen 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: Using your remote, and 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 schedule 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 target DVR, a message will display stating 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.



DIRECTV® WHOLE-HOME DVR SERVICE

- Recordings can be deleted from any connected Receiver that has been set up to Allow Deletion. 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 "Recordings", then "Manage Recordings" for options.

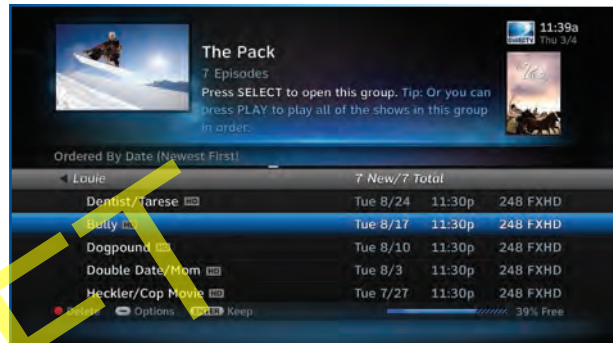
7. Watch Recorded Programs:

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, then select "Recordings", then "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, while watching your recorded show.

You can limit access to programs with Parental Controls.

See "Parental Controls" in Chapter 6 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.

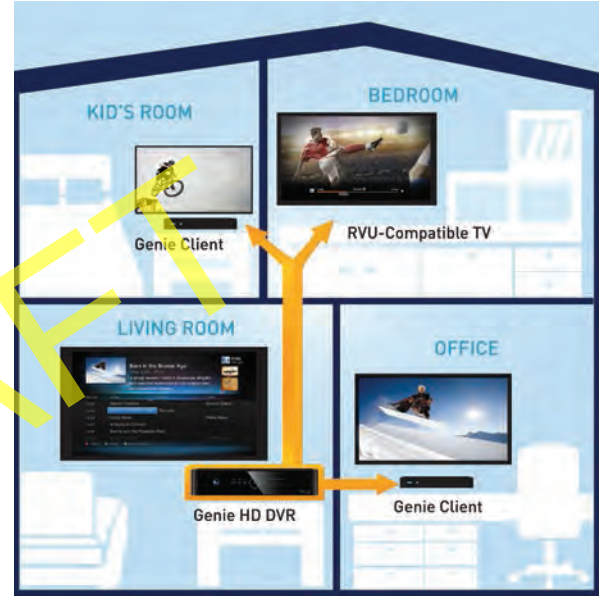


NOTE: Only two locations can access a recorded program at the same time (the HD DVR on which the program was recorded and one other location). If a third location tries to playback a recording, a message will display explaining that the program is not available.

Genie HD DVR is the most comprehensive, flexible and cost effective HD DVR experience from DIRECTV. The Genie HD DVR (HR44, HR34 and above), together with Genie Mini Clients or RVU-enabled TVs, can serve your entire home, and provides you and your family the flexibility to watch the content of your choice, on your own schedules.

You can use your Genie HD DVR in three ways:

1. **As a standalone HD DVR** - connect it and get all the enhancements and superior Receiver features of the HR44, HR34 and above.
2. **As an HD DVR in a Whole-Home DVR setup** - Genie enhances your current Whole-Home setup. When connected to other HD Receivers as the hub of your Whole-Home DVR experience, the Genie HD DVR allows you to stream recordings to four active rooms simultaneously (up to three Clients)*.
3. **As a Genie server connected to Genie Mini Client and/or RVU-enabled devices** - The DIRECTV Genie HD DVR can stream content and features to RVU (remote viewing)-enabled TVs, Clients and other devices, giving you full HD DVR functionality in every room. For example, if your Genie HD DVR is connected to an HDTV in your Living Room, as well as to a Client and HDTV in your Office, plus RVU-enabled TVs in the Bedroom and Kids' Room, you don't need a separate DIRECTV Receiver in each room: the Client/s and/or RVU-enabled TVs let you watch, record and manage your shows directly, via the Genie HD DVR.



GENIE™ HD DVR

In any configuration, your Genie HD DVR offers the following features in addition to those of a DIRECTV HD DVR:

- Record up to 5 programs simultaneously
- Store up to 200 hours of HD programming (Actual recording capacity varies based on type of programming being recorded.)
- Get full HD DVR functionality in every room
- Watch two shows at the same time with Picture In Picture (Feature is only available on the TV connected to the Genie HD DVR.)

***NOTE:** The Genie Receiver will work with any other DIRECTV HD DVRs, HD Receivers and Clients that are connected to and compatible with Whole-Home service, so you can play, pause, rewind and delete recorded content that's on your Genie DVR from any room in the house. **However, you will not be able to record content to the Genie from any connected HD DVR (You can only schedule recordings for that specific HD DVR).**

NOTE: For a complete list of compatible RVU-enabled devices, Receivers, Clients and required services, visit directv.com/Genie.

FOR SMARTPHONES & TABLETS

Now your favorite shows, movies and sports are just a tap away, using your smartphone (iPhone, Android, BlackBerry, Palm Pre, Palm Pixi, Windows Phone 7) or tablet. Experience all the amazing features of the DIRECTV™ Mobile Apps with an HD DVR that is connected to the Internet.

Features:

- Use your phone or tablet as a remote control: Play, pause, rewind, fast-forward, scroll through channels, and more, all with a tap.
- Create your own Home screen: Get instant access to your favorite channels and sports. You control what's on your screen by choosing the channels you want to see, the teams and sports you want to follow, even the modules you want to include.
- Create your own sports roster: Browse games and get scores instantly across all sports. You choose the teams and sports you want to follow.
- Search for any television show up to 14 days in advance.
- Watch movie trailers and get detailed show info: See descriptions, upcoming showings, cast & crew, parental info, similar shows, and photos.
- Channel-tune instantly with a tap.
- Easily share your favorite shows and movies with your friends on Facebook and Twitter.

Go to directv.com/mobileapps for more information.



iPad is a registered trademark of Apple, Inc.

DIRECTV™ MOBILE APPS

DIRECTV EVERYWHERE™

Now watch DIRECTV movies and TV shows on your tablet device, mobile phone or your computer, whenever, wherever you want. All you need is a DIRECTV online account, and an internet connection.

To learn more about DIRECTV Everywhere go to <http://www.directv.com/entertainment/>

NOTE: Certain remote control functions require a standard DIRECTV remote. Tablet remote control functionality requires a home Wi-Fi connection. The mobile App requires Internet access and [directv.com](#) login. Internet connections may vary. In rare instances, scheduled recordings may not be recognized. Only available on certain DVR Receivers. Visit [directv.com/apps](#) for complete details. iPad is a registered trademark of Apple, Inc.

Use of the DIRECTV mobile apps are licensed under DIRECTV's current [End User License Agreement](#). Use of the DIRECTV mobile apps are also subject to DIRECTV's [privacy policy](#) and other legal policies, including DIRECTV's [Customer Agreement](#) for users who are DIRECTV customers.

CHAPTER 6 - SETTINGS & HELP

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SETTINGS

Press MENU, select "Settings & Help", then "Settings" to review or change your system settings. These include: audio options, video format, TV resolution, network setup, remote control setup and more.

INFO & TEST

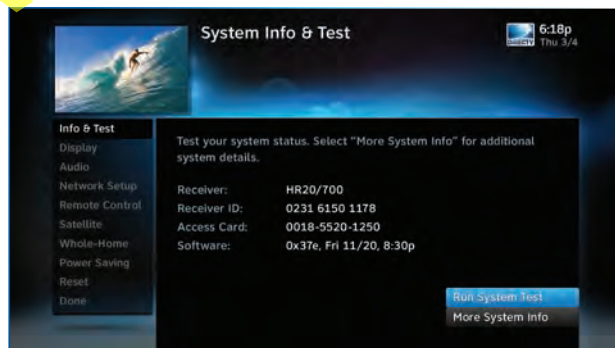
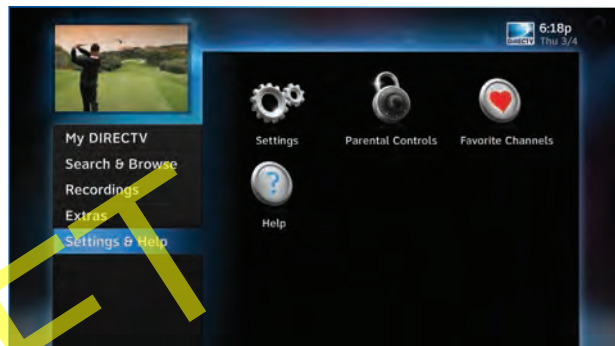
Select "Info & Test" to display the System Info & Test screen. Select "Run System Test" to initiate a test of the tuners, Receiver ID and phone line.

NOTE: Running the System Test will interfere with live TV and any current recordings.

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.

DISPLAY

Select "Display" to access the following options: "Preferences", "Video", "TV Ratio", "TV Resolution", "Captioning" or "Clock". Before you get started, you may want to review Appendix 5, "About High-Definition", which describes HD formats and resolutions.



Preferences

These are user interface display settings which include:

Recording Tips: Turn "On" or "Off" helpful tips that display onscreen whenever you schedule a recording.

Guide HD Channels: Choose whether you want the Guide to show 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.

Language: Select your preferred onscreen text language.

Scrolling Effects: Turn scrolling effects ON or OFF. This affects the appearance of large text areas when they scroll.

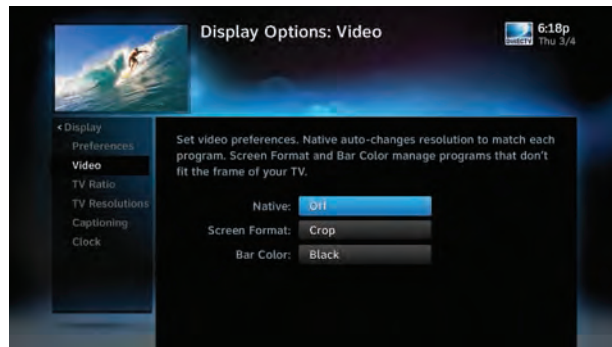
Banner Time: Set the Channel Banner time to determine how quickly the banner disappears after moving to a new channel.

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



SETTINGS

program coming into the Receiver. For example, if Native mode is ON and a program is being broadcast in 480p, your High-Definition Receiver prompts 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.

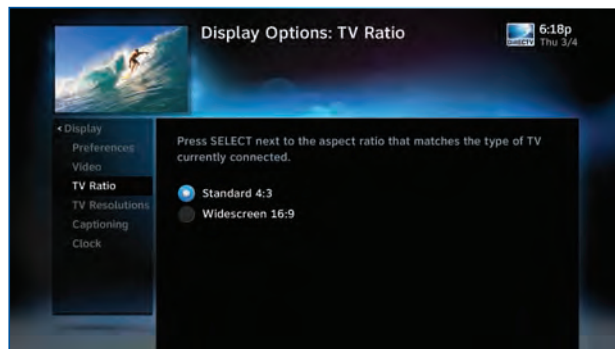
Screen Format: When a program is broadcast in a format that does not exactly fit your TV screen, your Receiver will automatically size the picture. Screen Format options include Original Format, Pillar Box (Widescreen 16:9 HDTVs only), Letterbox (Standard 4:3 TVs only), Stretch and Crop:

- 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

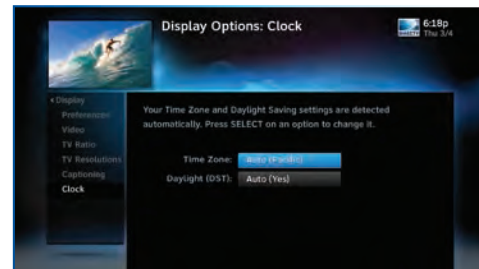
Select the resolutions your TV can support so your Receiver can pass the proper signal. To find the resolutions your TV supports, check the User's Guide that came with your TV. If you select a resolution your TV doesn't support, the Receiver will reset the resolution after a few seconds.

Captioning

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" to set your time zone and whether you want the Receiver to show Daylight Savings time or not.



SETTINGS

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. to take advantage of a surround sound system.

NOTE: 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.

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

NETWORK SETUP

Select "Network Setup" to set up and test your DVR's connection DVR to the Internet. See Appendix 4, "How to Network Your HD DVR" for details.



REMOTE CONTROL

Select "Remote Control" to display the Remote Control setup screen. Then select from the Program Remote, IR/RF Setup, Receiver Mode and Advanced Setups options.

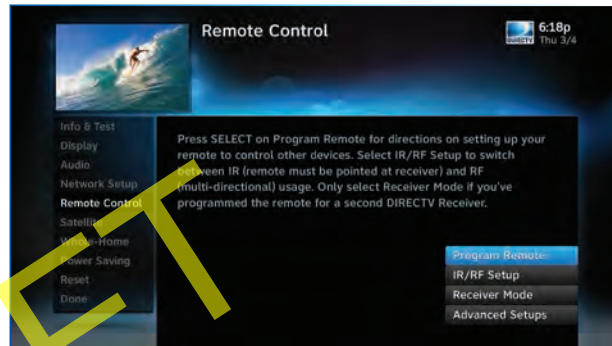
For older DIRECTV White Remotes only: When the MODE switch on your remote is in the left-most position, it controls your DIRECTV Receiver. However, you can also program the AV1, AV2 and TV positions to control other equipment such as your TV, DVD, VCR or Stereo.

Program Your Remote

Follow the step-by-step instructions to set your remote to control your TV or other A/V equipment, such as a DVD player or surround sound system. For best results, it is helpful to know the model number and brand of your equipment. To clear current AV1, AV2 and TV settings, select "Program Remote" and then "Reset Remote".

IR/RF Setup

Certain remote control models feature RF (Radio Frequency) capability. DIRECTV's new Genie Remote (black & white case) is both Infra Red and Radio Frequency capable, but you have to select the mode you want. Otherwise, you will need to refer to the model number printed on the top left corner of your DIRECTV Remote Control. A letter R at the end of the model number (which may be followed by other letters) indicates that the remote supports radio frequency. If no letters follows the



SETTINGS

number, the remote works in IR (infra red) mode only. Please refer back to Chapter 1, "Using Your Remote Control" for detailed information.

NOTE: While the newer Genie (HR44, HR34 and above) HD DVRs are RF-capable, previous model DIRECTV Receivers are RF-capable.

To change your remote method of transmission from 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.

Receiver Mode

Select "Receiver Mode" if you want to use one remote to command a second DIRECTV® Receiver.

Advanced Setups

Use this option to set up your remote to control 3 or more Receivers in one room.

SATELLITE

This option is used by installers when your system is initially set up; you should not have to use it. However, you can use this screen to view your Receiver's satellite signal strength\or to repeat the satellite setup procedure.



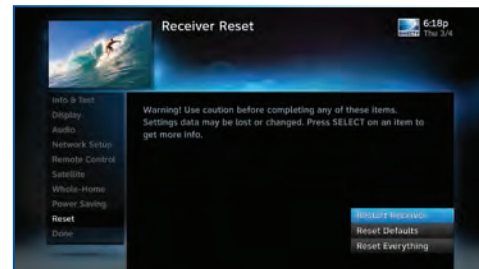
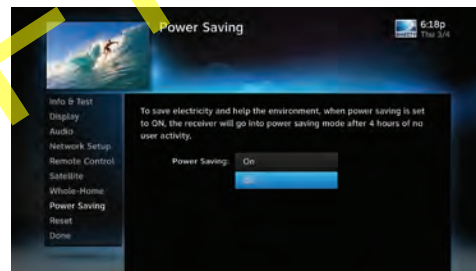
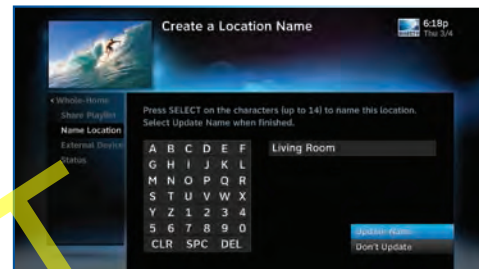
The “Antenna Setup” option can be used to display channels received via your off-air antenna in the Guide. You must have an off-air (terrestrial) antenna connected to your HD DVR Receiver. Not all HD DVR’s have a built-in off-air tuner.

WHOLE-HOME

If you’re using DIRECTV® Whole-Home DVR Service, you can use the Whole-Home settings to set or change your Playlist Sharing preferences, or to create or change the names of each Receiver or Client location. To learn more, read “DIRECTV® Whole-Home DVR Service” in Chapter 5 or “Genie HD DVR” in Chapter 7, respectively.

POWER SAVING

Some DIRECTV Receivers are Energy Star certified, meaning they include features that reduce power consumption. The Power Saving option automatically puts these Receivers into Standby mode when there is no activity on your remote for 4 hours. When the feature is ON, a message will display to warn you before the Receiver goes into Standby mode.



SETTINGS

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 recordings.

“**Reset Defaults**” erases all of your personal preference items, such as Parental Controls, Favorites, language and scheduled recordings, and restores the Receiver configuration to factory settings.

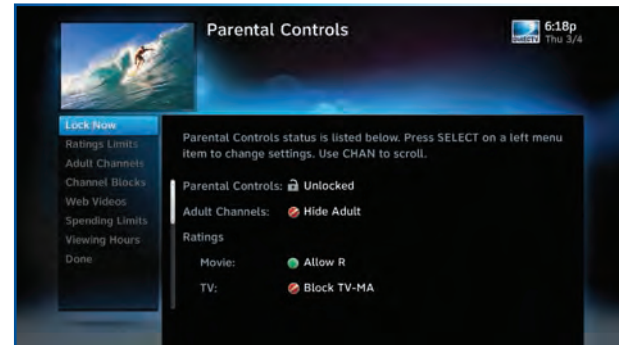
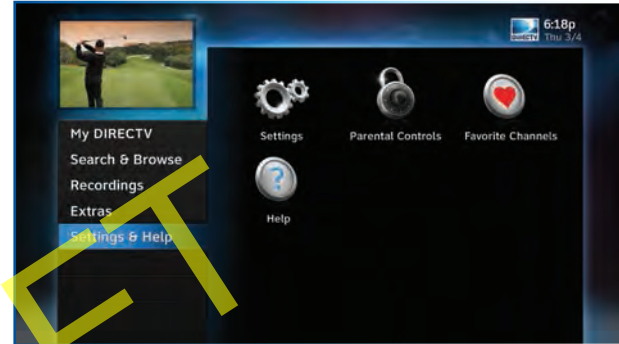
“**Reset Everything**” completely erases everything from system memory and starts over like a new Receiver.

WARNING: All your recordings will be erased from the hard drive!

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

To review or update your Parental Controls settings, press MENU, select "Settings & Help", then "Parental Controls". You can also access Parental Controls by pressing INFO, then selecting "Parental", then "Parental Controls".

Parental Controls enable restrictions to be placed on programming as well as certain actions, and requires a passcode to change the restrictions. Whether you want to block access to mature content, or limit spending amounts, or even the number of TV viewing hours, you have total control over limit for the whole family. The system default is "unlocked" for all categories.



PARENTAL CONTROLS

LOCK NOW

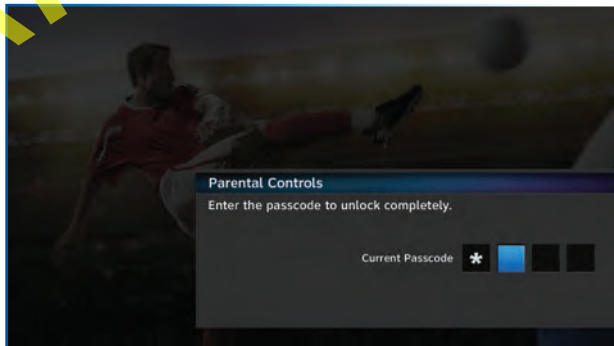
After setting the restrictions you want (see below for options), choose “Lock Now” from the left menu. You’ll be asked to create a passcode. This passcode will be your entry to unlocking and adjusting limit in the future.

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. Multiple entries aimed at guessing the passcode are 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 “Settings & Help” then select “Parental Controls”. Various options for removing restrictions temporarily or permanently will appear. Select one and enter your passcode. You can also unlock Parental Controls by pressing INFO while watching TV. Select “Parental” then “Unlock All” and enter your passcode.

NOTE: If you have Parental Controls set and temporarily unlocked, turning the Receiver off will turn Parental Controls back on.



RATINGS LIMITS

Set rating limits for Movies, TV and Other (unrated) shows. From the left menu, select "Rating Limits" then select either "Movies", "TV" or "Other".

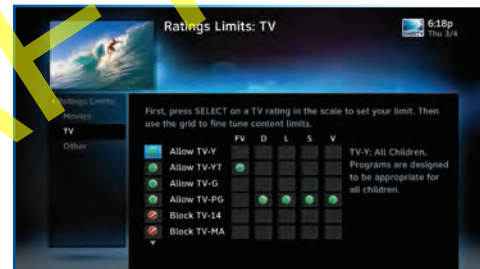
Movies

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



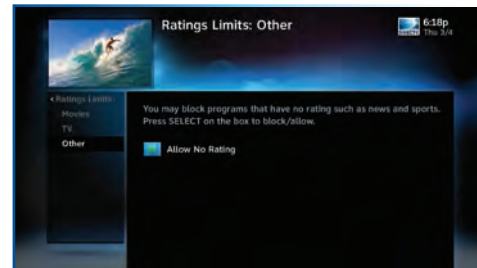
TV Programs

Highlight and select the TV ratings limit you desire. In addition to allowing or blocking shows by TV rating (i.e. TV-MA), you can also set ratings limits for particular types of content such as Fantasy Violence (FV), Dialogue (D), Language (L), Sexual Content (S) and Violence (V). A description of each content type displays when highlighted.



Other Shows

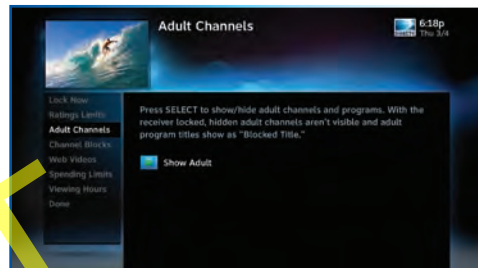
Highlight and select the box to toggle the setting between "Allow No Rating" and "Block No Rating". If you choose "Block No Rating", programming that has no rating, such as news and sports, will not display.



PARENTAL CONTROLS

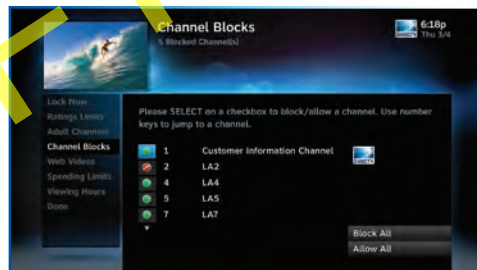
ADULT CHANNELS

Hide adult channels in the Program Guide, Manage Recordings screens, and when channel surfing. Select "Adult Channels", then highlight and select the box to toggle between "Hide Adult" and "Show Adult". This action also hides the "Adults Only" icon in the Search & Browse screen.



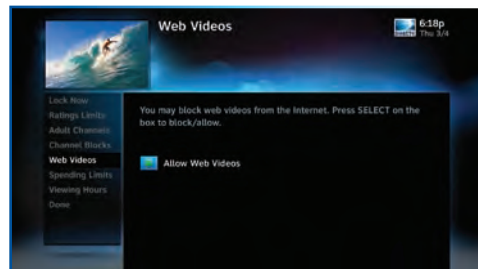
CHANNEL BLOCKS

Prevent children from viewing pre-selected channels. Select "Channel Blocks". Scroll down the channel list and select those you wish to block. You can also key in channel numbers or use "Block All" or "Allow All" to save time.



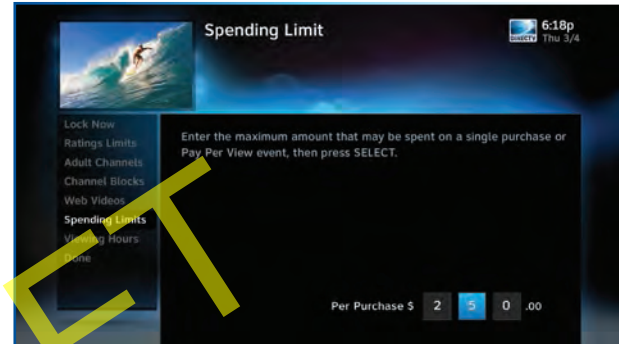
WEB VIDEOS

Prevent children from viewing video from the Internet. Select "Web Videos", then highlight and select the box to toggle between "Block Web Videos" and "Allow Web Videos".



SPENDING LIMITS

Limit the amount that can be spent on each Pay Per View purchase. Select "Spending Limits". 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", 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.

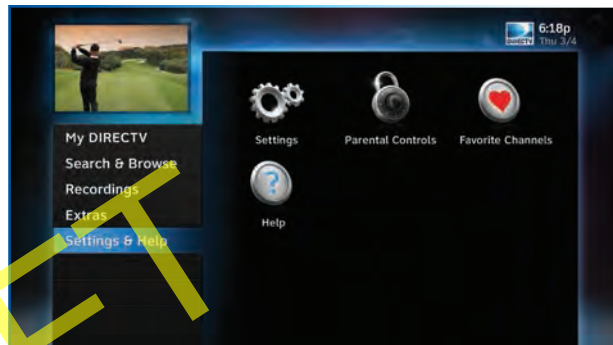


FAVORITE CHANNELS

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.

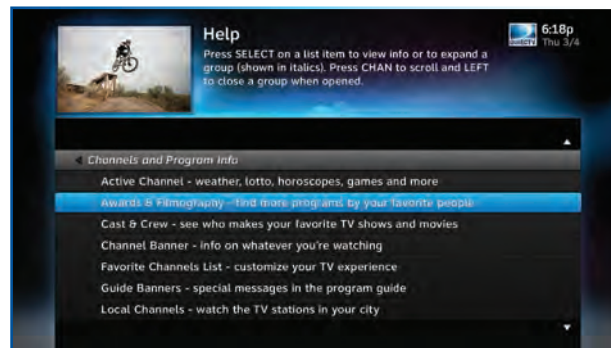
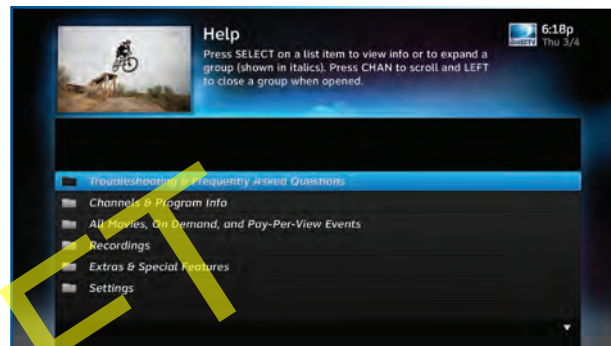
Press MENU on your remote, select "Settings and Help" then "Favorite Channels". If you haven't created a Favorites list, the "Setup Custom 1" and "Setup Custom 2" options will be displayed. Select the one you want and follow the onscreen instructions to create and name your list.

Selecting a Favorites list makes it active and hides the display of all other channels in the Guide. From the Program Guide, press the DASH key 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 DASH key while in the Guide, select "Change favorites list", then select "All Channels".



For helpful information about your Receiver, as well as frequently asked questions (FAQs), press MENU, select "Settings & Help", then select "Help". Select a category folder to see its contents, then select a topic from the list for detailed information.

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



DRAFT

CHAPTER 7 - GENIE™ HD DVR

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DRAFT

GENIE™ HD DVR

Genie HD DVR is the most comprehensive and flexible DVR experience from DIRECTV. It introduces a new industry standard that provides HD DVR service in every room without requiring additional HD DVRs. The Genie HD DVR (models HR44, HR34 and above), together with Genie Mini Clients (C31, C41, C41W and above) or RVU-enabled TVs, can serve your entire home and provides you and your family the flexibility to watch the content of your choice, on your own schedules.

Use this chapter to learn about all the great features of DIRECTV Genie HD DVR and Clients. This chapter highlights the additional features specific to these models.

KEY GENIE HD DVR FEATURES

- Record up to five programs simultaneously.
- Store up to 200 hours of HD programming and 800 hours of SD total on the 1TB (terabyte) hard drive. (Actual recording capacity varies based on type of programming being recorded.)
- Watch two shows at the same time with Picture In Picture.*

***NOTE:** This feature is only available on the TV connected directly to the Genie HD DVR.

- View live or recorded programming in up to four different rooms at once (Genie Mini Clients required).



Genie HD DVR



Genie Client

KEY GENIE MINI CLIENT FEATURES

- Watch and manage recorded programming from any room.
- Pause and rewind live or recorded TV from any room.
- Access On Demand content, TV Apps and other HD DVR features from any room.

SHARE PROGRAMS BETWEEN ROOMS

Genie can be configured two ways to share content across your home:

1. **As part of a Whole-Home DVR network** - Genie enhances your current Whole-Home setup. When connected to other HD Receivers as the hub of your Whole-Home DVR experience, Genie allows you to stream recordings to four active rooms simultaneously (up to three Whole-Home Clients).*
2. **In a client-server setup** - with RVU-enabled TVs or Genie Mini Clients in your home. (RVU is a technology that allows you to connect certain TVs, devices, and DIRECTV Clients to your Genie HD DVR, without adding a full-featured DIRECTV Receiver.)

***NOTE:** The Genie Receiver will work with any other DIRECTV HD DVRs, HD Receivers and Clients that are compatible with Genie and Whole-Home service, so you can play, pause, rewind and delete recorded content that's on your Genie DVR from any room in the house. However, you will not be able to record content to the Genie from another connected HD DVR, HD Receiver or Client.

GENIE™ HD DVR

GENIE AS A MEDIA SERVER

You can use your Genie HD DVR as a media server. An RVU-enabled TV, device, or Genie Mini Client lets you watch TV via your DIRECTV Genie network.

- Start watching a show in one room, press EXIT on your remote, then resume watching in another.
- Pause or rewind live programming in any connected room.
- Schedule, watch or prioritize recordings from any room.

NOTE: Your Genie HD Receiver includes five (5) tuners. A tuner is used whenever you watch or record a program. For example, if two rooms are watching live TV, three tuners are available for recording. Watching a recorded program does not require a tuner.

See your RVU-enabled TV's User Guide for more information on connecting to the Genie HD DVR. You will need to activate the RVU-enabled TV by calling DIRECTV at 1.800.531.5000.



CONNECTING CLIENTS

You may register up to eight Clients per Genie HD DVR; these may be RVU-enabled TVs, or Genie Mini Clients (C41, C31 and above).

Before connecting and activating a Client, your Genie HD DVR must be set up, activated, and functioning.

To begin, connect, plug in and turn on the Client. Once it detects the Genie HD DVR, it will prompt you to enter a PIN. On your DIRECTV HD DVR, press MENU, then select "Settings & Help", then "Settings". Select "Whole-Home" from the left menu, then select "Add a Client". Note the PIN shown on the "Add a Client" screen, and do not exit the screen!

On the Client, enter the PIN you received from the Genie HD DVR using the remote. Select "Done" on the confirmation screen. The "Create a Location" screen displays. You may add a new location, or replace a location. Select the appropriate option and follow the onscreen instructions.

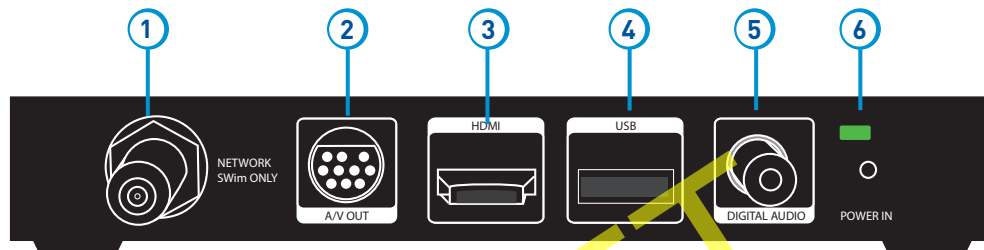
Once the location has been set up, you have a choice of copying settings from another location or accepting the DIRECTV defaults.

The following settings are copied from a server or Client to another Client:

- Parental Control Settings
- Favorite Channels
- Display Settings
- Clock
- Language
- Sound Effects

NOTE: The settings from any Client can also be copied to the Genie HD DVR

DIRECTV GENIE CLIENT BACK PANEL EXAMPLE



DIRECTV Genie™ Mini Client (C41, C31 and above)

Your equipment may not look exactly like the model illustrated. This image has enlarged features for the purposes of illustration.

1. **NETWORK SWM ONLY** – Connect a cable from a Single Wire Multi-Switch (SWM) to this port. This is your SAT-IN connection.
2. **A/V OUT** – A combined 10-pin output that supports both audio and video. Your Genie Mini Client comes 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. **HDMI** – Use this combination digital video and audio connector for the best picture quality. **This is the recommended connector for HD TV.**
4. **USB** – For future use. USB 2.0 Host (FRONT/REAR EACH 5V = 500mA)
5. **DIGITAL AUDIO OUT COAXIAL** – Use this digital audio connection for sound.
6. **POWER** – Your Receiver must be plugged in at all times to function properly.

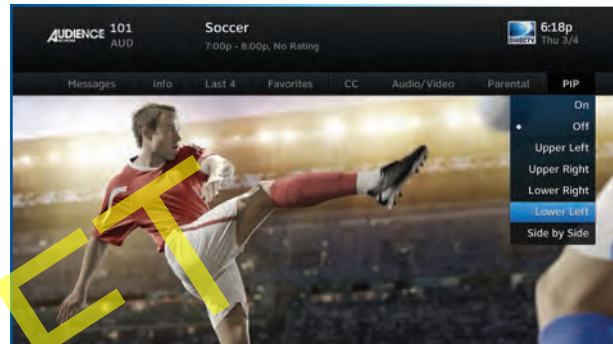
WARNING: Use only the power supply (power cord) that came with your DIRECTV Receiver or Client. Failure to use the authorized power supply (power cord) may cause electric shock, fire, bodily injury and/or property damage. If the power supply (power cord) becomes damaged or needs to be replaced, please contact DIRECTV Customer Service to obtain an authorized replacement.

PICTURE IN PICTURE

Watch two programs, live or recorded, at the same time. While watching one program, press the INFO button on your remote. Select "PIP". The program you're currently watching moves into a smaller window on your screen. The larger video is the active program and can be controlled by your remote. To switch between programs, press the DOWN ARROW.

To change the position of the smaller window, press INFO on your remote. Select "PIP" and choose a position from the options provided.

NOTE: Picture in Picture is only available on the TV that is connected directly to the Genie HD DVR (models HR44, HR34 and above).



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CHAPTER 8 - TROUBLESHOOTING & FAQs

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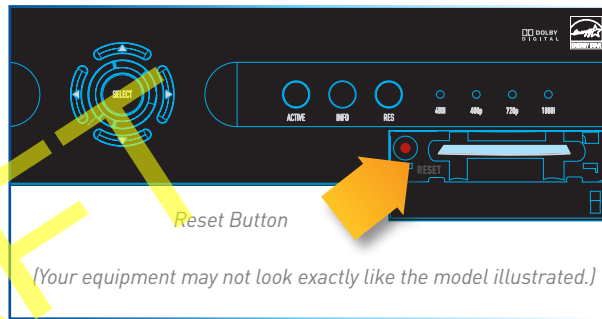
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TROUBLESHOOTING TIPS

RESET YOUR RECEIVER

Many problems can be corrected by performing a simple reset of the DIRECTV® HD DVR. If you experience frozen audio or video, blank screen, or the Receiver won't respond to front panel button or remote control, you can reset your Receiver with the following steps:

- Press the red RESET button behind the access card panel door on the front of the DIRECTV® HD DVR, then wait a few minutes for Program Guide information to be acquired.
- If you reset a Genie Client and the problem persists, try resetting the Genie HD Receiver.
- If the problems persist, try unplugging the power cord of the DIRECTV Receiver for 15 seconds, then plug it in again.



REAUTHORIZE YOUR RECEIVER

If your Receiver displayed the message "722 - Service Expired," try reauthorizing your Receiver. On a computer, go to directv.com/reauthorize, log in to your account, 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 (at the end of this section) can also help you diagnose and solve many common problems.

NOTE: Resetting your Receiver twice in a row will clear all Guide data. It could take 48+ hours to reacquire all of it.

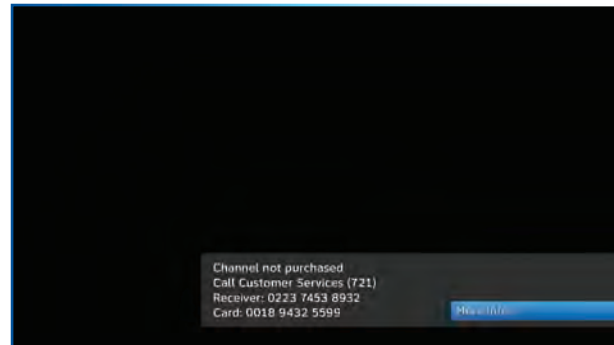
SYSTEM SOFTWARE UPDATES

DIRECTV periodically sends system software updates to your Receiver to improve performance and upgrade features and functions. These updates will occur automatically. The Receiver will give you the option to download software "now" or "later." Software downloads take just a few minutes and should be allowed to proceed when possible. When a download is in progress, channels, interactive functions and applications will temporarily become unavailable. After the download is complete, the Receiver may reset itself. Once the Receiver download and/or reset is complete, you can resume using as normal.

ONSCREEN MESSAGES

There may be times when you see an onscreen message similar to the one on the right. The top line of the message gives a brief description of what causes the onscreen message to display, while the second line displays instructions to follow. Most onscreen messages supply an error code in parentheses. Go to directv.com/troubleshooting and select the onscreen error message for solutions.

The message at the 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 this error, call Customer Service at 1.800.531.5000 and mention the error code number when prompted.



TROUBLESHOOTING TIPS

RUN THE SYSTEM TEST

The System Test allows you to run a basic diagnostics check on your DVR.

First make sure that:

1. All connections — jacks, cables, etc. — are in place correctly. See Appendix 2, "Connections for TV and 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 DVR:

1. Turn on your TV and the DVR.
2. Slide the mode switch to the DIRECTV position, then press MENU.
3. Select "Settings & Help".
4. Select "Settings" then "Info & Test".
5. If you have a High-Definition DVR, select "Run System Test".
6. If your system does not pass the System Test, check any of these potential trouble areas: cabling, pointing the satellite dish, phone connection and access card.
7. If you continue to have problems, call 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.

FREQUENTLY ASKED QUESTIONS

Q: What to do about temporary loss of satellite signal, “frozen” picture, or picture breaking into blocks / pixels?

The image on your screen is frozen, blocky, or you see a message that says, “Searching for Satellite Signal (x 771).”

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 DVR 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.
- Check all the connections on the back of your Receiver, starting with the SAT-IN connection, and make sure they're secure.
- 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.



Check Satellite (SAT-IN) Connections



Coaxial Satellite Cable

FREQUENTLY ASKED QUESTIONS

Q: Why is my screen blue, black, gray or snowy?

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.
- Your TV may not support the selected HD resolution from your Receiver.

Solution:

- Check that the DIRECTV® Receiver and TV are both powered on.
- If you don't see the your DIRECTV picture, verify the input your TV is on by turning the TV on and off. Most TVs display the input in the upper right- or left-hand corner. If the input is set to something other than your DIRECTV Receiver, toggle through the inputs with the "input" button on the DIRECTV remote (if programmed) or TV remote until you get your picture. (If the DIRECTV remote is not working for the TV it may need to be programmed.)

If the TV remote is not available:

1. Find the Input or Source button on your TV and press it. It may be on the front panel, sides, bottom, or top edges of your TV.
 2. Slowly set the TV to each input option, one at a time. Sometimes it takes a second or two for the input to switch, so don't proceed too quickly.
 3. Set the TV to whichever input gives a picture.
- If you see a snowy screen and are using a coax connection to connect to the TV, make sure your TV is on channel 3 or 4.
 - 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.

FREQUENTLY ASKED QUESTIONS

- Check the HD output resolutions and deselect those not supported by your TV. For 1080p programs, some TVs do not support the 24 frame-per-second rate DIRECTV provides. Press the RES button on your Receiver's front panel to change the resolution to one your TV supports.

Q: Why doesn't my remote work?

Possible Causes:

- Weak batteries are almost always the problem.
- Trying to operate equipment other than your DIRECTV Receiver.
- Remote sensor on the Receiver could be blocked.

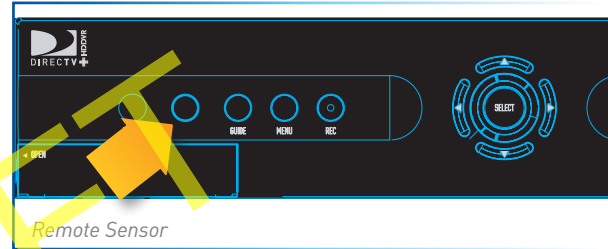
Solution:

For the DIRECTV White Remote Control (RC65 and earlier models):

- Check that nothing is between the remote control and the remote sensor.
- Make sure the remote control is in DIRECTV mode. Slide the MODE switch on the remote to the DIRECTV position so the remote will control the DIRECTV® Receiver.
- If you are trying to operate a device other than the DIRECTV DVR 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.

For All Remote Controls:

- 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



FREQUENTLY ASKED QUESTIONS

the channel. Press ENTER after entering a channel number to tune immediately.

- Make sure the device you are trying to control has been programmed to your DIRECTV Remote Control. See Chapter 6, "Settings & Help: Settings: Remote Control" for instructions on how to program your remote to control other devices.
- If the indicator lights on the remote control start flashing, the batteries in the remote control are running low and should be replaced soon. You may also see an onscreen 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.

Q: Why won't my DIRECTV® Receiver or Client turn on?

Your Receiver or Client won't turn on with either the Remote or from the front panel.

Possible Causes:

- Remote batteries have an insufficient charge.
- Receiver / Client or power strip is not plugged in to a power source, or power cord is not plugged in to Receiver.
- Wall outlet is not providing power.

Solution:

If your Receiver or Client won't turn on, the problem may be with the device itself, or with the remote control. Please try the following:

To Check the Receiver or Client (C31, C41 and above):

- Verify the detachable power cord is plugged into the back of the DIRECTV® Receiver or Client and the wall outlet.
- Check the outlet or power strip to make sure it is "live" by plugging in something else.
- Try plugging Receiver or Client into a different wall outlet.
- Make sure the outlet is not controlled by a wall switch.
- Unplug Receiver or Client for five minutes, and then plug it in again.

FREQUENTLY ASKED QUESTIONS

- If your Receiver or Client is plugged into a power strip, check the power strip and reset by pressing its reset button. Make sure Receiver or Client is plugged into a power strip outlet that has continuous power. Some power strips have energy saving ports that only operate when a device is plugged in and powered on.

To Check the Remote:

- Press the power button on the front panel. If your device turns on, the issue is with the remote.
- For the White Remote, make sure the MODE switch is in the left-most position (DIRECTV Mode), and press PWR (power key) or press POWER button on the front panel of the Receiver. On the Black & White Remote, this step is not necessary. See the next bullet for more info.
- Make sure remote batteries have sufficient charge. For the White Remote, the green light should be solid green when you press its PWR button. If the light blinks several times slowly, replace the batteries. If there is no light, make sure batteries are inserted with the positive and negative ends in the proper positions. Otherwise, replace batteries. For the Black & White Remote, a low battery indicator is displayed on your Receiver when the batteries need to be replaced.
- Make sure nothing is blocking the IR sensor on the Receiver. Remote must be pointed at Receiver, unless it is capable of RF (as is the case with the Black & White Remote) and has been set up as RF.

I see a message on my TV screen that says, "Please Call Customer Service x721." What's going on?

Possible Causes

- The channel you're trying to watch may not be included in your programming package.
- Your DIRECTV® Receiver may not have the programming information for this channel.

Solutions

- If the channel is part of your programming package, try resetting your Receiver by turning it off and unplugging it. Wait 15 seconds, then plug it back in and turn it on.
- If the channel is not part of your programming package, you can change your package online or call 1.800.531.5000.
- Finally, 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.

FREQUENTLY ASKED QUESTIONS

Q: Why does my Progress Bar freeze while acquiring Guide data / data from satellite?

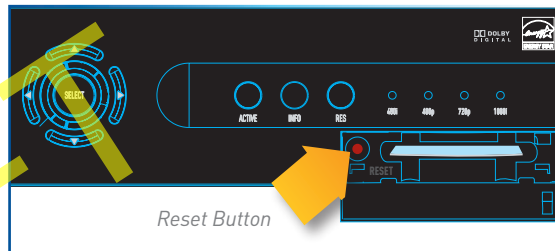
While the “Acquiring Guide Data” or “Acquiring Data From Satellite” message is on the screen, progress freezes during download.

Possible Causes:

- This may be normal. After five minutes, the screensaver will display. Press any key on the remote to see the progress bar again.
- This 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.



Q: Why are my video and audio 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.
- Rewind the program for about 5 seconds, then fast forward to live programming.
- Try replacing or switching the cables between your surround sound system and your DIRECTV Receiver. Refer to your surround sound system’s manual for assistance.

FREQUENTLY ASKED QUESTIONS

- 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 "Settings & Help", then "Settings". Select the "Reset" item from the left menu and follow the onscreen instructions.

Q: Why is there 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.
- Verify that your surround sound system is working, if applicable.
- Your TV may not support the selected HD resolution from your Receiver.

Solution:

- Verify that the "MUTE" button is not activated on your Remote Control.
- 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 or surround sound system, verify components are on and set to the correct mode, and that audio cables are secure and connected correctly.
- 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, select "Settings & Help", then ""Settings". Select the "Reset" item from the left menu and follow the onscreen instructions.
- Check the HD output resolutions and deselect those not supported by your TV. For 1080p programs, some TVs do not support the 24 frame-per-second rate DIRECTV provides. Also, many TVs do not support 480i. You may have to press the RES button on your Receiver's front panel to set the resolution to one your TV supports.

FREQUENTLY ASKED QUESTIONS

Q: What to do about partial programming loss; channels missing from 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 DASH [—] 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 MENU, select "Settings & Help", "Settings", "Info & Test", then "More System Info". Check the 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/reauthorize. You will need to be logged into your account on directv.com to begin this process.

Q: Why does my DIRECTV® Receiver turn 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 on again and enter your parental lock code when prompted.

Q: Why does my DIRECTV DVR turn on or change channels unexpectedly?

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

Possible Causes:

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

FREQUENTLY ASKED QUESTIONS

Solution:

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

Q: Why is my screen blank?

There is no discernible video or image on the screen. Screen could be black, blue, grey or seem like the TV is off.

Possible Causes:

- Your TV and/or your Receiver are not powered on.
- Your Receiver may be hooked up to the TV incorrectly.
- You may be on the wrong video source for your DIRECTV® Receiver.
- You may be tuned to a channel that is not currently broadcasting, or that you don't subscribe to.

Solution:

- Check that DIRECTV DVR and TV are both powered on.
- Read Appendix 2, "Connections to TV and Equipment" for instructions about connecting your Receiver.
- Press the INPUT button on the white TV remote control to change video source. If you are using the Black & White remote, press ENTER and hold for three (3) seconds to bring up the TV INPUT to change the video source.
- Try another channel and see if you have live video.
- Press the POWER button on the front panel of the DIRECTV® Receiver.
- Press the red RESET button behind the door on the front panel of the Receiver.
- The program may have been blocked by Parental Locks.

Q: Why is 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 5.
- 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.
- Turn on Caller ID notification. Press MENU, select "Extras", then "Caller ID", then "Turn On Notices".
- 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.

Q: Why didn't a program I tried to record show up in the My Playlist screen?

You wanted to record a program to watch later, but it is not listed in your Playlist.

Possible Causes:

- Someone else may have prevented the recording or erased the program after it recorded.
- The recording may have been cancelled due to a conflict with another program with higher priority in the Prioritizer.
- The program may have been blocked by Parental Locks.
- You may have deleted a Series recording. If you delete a Series by pressing RECORD on an episode in the Guide, you cancel the entire series, not just the highlighted episode.

FREQUENTLY ASKED QUESTIONS

Solution:

- To see if the program was recorded then deleted, press MENU, select "Recordings", then "Manage Recordings", then in the left menu, select "History".
- If the recording was cancelled due to a scheduling conflict, you will need to record the program again and if necessary you will need to adjust the programming priority. See the "Manage Recordings: Series Manager" section in Chapter 4 for details.
- Check the Parental Locks on your Receiver and TV. Adjust the content ratings, if necessary.

Q: I wanted to record a program, but I got an error message saying it conflicted with another scheduled record. What do I do?

Your DIRECTV DVR can record up to two programs at once, or it can record one program while you watch another live program.

Possible Causes:

- You tried to record three programs at the same time or tried to watch a live program while recording two others at the same time.
- There was an overlap in the programs you tried to record.

Solution:

- If you tried to record three programs at once, or watch a live TV program with two others recording, you will need to decide which recording to cancel.
- If the overlap is a couple of minutes (for example, some networks occasionally start programs at 8:59 instead of 9:00 p.m.), adjust your recording start and end time Recording Options. See the "Changing a Record Option" section in Chapter 4.
- Someone else manually deleted the program.
- The hard drive on your DVR is full. The program may not have recorded.

Q: I recorded a program and the recording got cut off just before the end so I missed the last bit of the program. Why?

Your recording stopped before the program or event ended.

Possible Causes:

- The program you were trying to record may have started or ended early.
- If you were trying to record a sporting event, the event may have run over its allotted time.
- You may have had a recording conflict with a higher priority program.
- Someone may have manually ended the recording.

Solution:

- Try setting the end time of the recording in the Record Options so the recording ends one or two minutes later (or more, if necessary). You may be able to record the same program again later in the week. Check the Program Guide for additional showings.
- For sporting events, you may want to extend the recording stop time 15 minutes or more to protect against overtime games.
- If you had a priority conflict, try adjusting your start and end times. You may need to choose a different time slot to record a program if the conflict continues.

Q: Why was a program I recorded displayed in the My Playlist screen, but deleted before I could watch it?

Your recording(s) were deleted before you had a chance to view them.

Possible Causes:

- Someone else manually deleted the program.
- The hard drive on your DVR is full. The program may not have recorded.
- The Receiver may have deleted older recordings to make room for newer ones.

FREQUENTLY ASKED QUESTIONS

- You exceeded the allotted purchase or viewing time on a Pay Per View movie or event.
- Bad weather may have caused a loss in signal. Your Receiver will automatically delete these incomplete programs.

Solution:

- Delete some of the content on your DVR to make room for new recordings.
- Change your recording options to keep programs until you delete them manually. See "Recording a Single Show" or "Recording a Series" in Chapter 4 for details.
- You can also change a recording you've already made to "Keep Until I Delete". See "Managing My Playlist" in Chapter 4.
- To avoid this in the future, you can change settings for recordings that you've set to occur in the future, but haven't recorded yet. Press MENU, select "Recordings", then "Manage Recordings", then "To Do List", choose the show you want to change and select it, select RECORD, press SELECT on "Keep...", press SELECT on the "Keep Until" box to change it to "I Delete", use the ARROW button to move over to Update and press SELECT.
- If you recorded a DIRECTV CINEMA movie or Pay Per View event, but did not watch it, the time which you are allowed to purchase or watch it may have expired. To avoid this in the future, check your Pay Per View recordings in the My Playlist screen for expiration dates.

Q: I've set up a series recording. Why do I get a bunch of reruns and multiple copies of the same program?

Your DVR is getting full of duplicate recordings of the same program, or old episodes of the chosen show.

Possible Causes:

- Your series is set to record both First Run and Repeat episodes.
- The programmer may not provide enough details in the program description for your Receiver to determine whether the program is a repeat.

Solution:

- When you set up a series, make sure you select only the "First Run" option. This is the default for one-touch recording unless you have changed your default recording settings.

FREQUENTLY ASKED QUESTIONS

Q: Why can I not see DIRECTV menus and screens on my TV? OR

Why do I see a message that says, “This TV or its cables are not HD. To see screen graphics, press the RES key on the front of the Receiver until this message no longer appears”.

When the Receiver resolution is set to 720p, 1080i, or 1080p, DIRECTV screens and menus (“user interface”) will not appear on Standard Definition (SD) outputs. A message is displayed to notify you that the resolution setting needs to be changed.

Possible Causes:

- You have connected your Receiver to your TV using both a High Definition output (HDMI) and Standard Definition (SD) outputs (S-Video, Component (Red/Yellow/White), or Coaxial) on the same Receiver.
- You are using SD outputs (S-Video, Component (Red/Yellow/White), or Coaxial) and have the Receiver set to HD resolutions such as, 720p, 1080i or 1080p.

Solutions:

- Change the Receiver resolution to 480i or 480p by pressing the RES button on the front Receiver panel until 480i or 480p is selected.
- Uncheck all resolutions except 480i or 480p on the TV Resolutions menu. Press MENU, select “Settings”, “HDTV” and then “TV Resolutions”. Follow the onscreen instructions.
- Turn “Native” Off. Press MENU, select “Settings”, “HDTV”, “Video”, then “Native”, and follow the onscreen instructions.



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LIMITED 90-DAY WARRANTY

DIRECTV warrants your DIRECTV HD DVR (Model Number: HR20, HR21, HR22, HR23, HR24) or Advanced Whole-Home HD DVR (Model Numbers: HR34, HR44 and above) 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 HD DVR 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 HD DVR 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 (see page 10) 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.

LIMITED 90-DAY WARRANTY

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.

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.

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DIRECTV
2230 E. Imperial Hwy
El Segundo, CA 90245
1-800-DIRECTV

DIRECTV PROTECTION PLAN

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*:

YOUR BENEFITS INCLUDE:

- **COMPLETE SYSTEM COVERAGE.** Every DIRECTV Receiver in your home... plus remotes, satellite antenna wiring, connectors, switches, and dish antenna alignments.
- Power surge protection.
- No hassles, service around the clock. Call 24 hours a day, 7 days a week... our technical specialists are ready and are dedicated exclusively to you!
- Fast and convenient repair service when you need it. Save money should you need a service technician to come to your house.
- Professional expertise and experience, on the phone and in your home... whenever you need us.

**Limitations and exclusions apply. Please visit www.directv.com/protection.*

The DIRECTV PROTECTION PLAN is offered by Asurion Service Plans, Inc. in all states except Florida (in which Asurion Service Plans of Florida, Inc offers the plan) and underwritten by Continental Casualty Company. 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.

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

2230 E. Imperial Hwy

El Segundo, CA 90245

1-800-DIRECTV

- Trade Name: DIRECTV
- Type of Equipment: DIRECTV Satellite Receiver
- Model Number: HR34, HR42, HR44, C31, C41, C41W and above

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.
- This device is going to be operated in 5.15~5.25GHz frequency range, it is restricted in indoor environment only.

- **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 (Ringer Equivalence Number) 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: AA AEQ##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

FCC CUSTOMER INFORMATION

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

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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.

FCC RF Radiation Exposure Statement

MPE/SAR/RF Exposure Information. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment.

This equipment was verified for RF exposure and found to comply with Council Recommendation 1999/519/EC and FCC OET-65 RF exposure requirements.

WARNING: While this equipment is in operation, a separation distance of at least 20 centimeters (equal to 8 inches) must be maintained between the antenna inside the equipment and the bodies of all persons exposed to the antenna in order to meet the FCC RF exposure guidelines. Making changes to the antenna or the equipment is not permitted. Doing so may result in the equipment exceeding the FCC RF exposure guidelines. This equipment must not be co-located or operated in conjunction with any other antenna or radio transmitter.

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

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Version 2, June 1991

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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.

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:

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

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.

DRAFT

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APPENDIX 1: SETUP AND ACTIVATION

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. For older, RC65 and earlier remotes, make sure the MODE switch at the top of the remote control is set to DIRECTV, which is the far-left position.
2. Press ON. 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", as the Receiver gathers information from the satellite for the onscreen Program Guide. Next, you'll be given the opportunity to program your remote to control other equipment such as your TV and/or DVD player. Just follow the screen instructions and you'll be ready to watch in no time!

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.

APPENDIX 2: CONNECTIONS TO TV & EQUIPMENT

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 features 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 be unable to transact PPV purchases 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, Music & Photos, Pandora, and more.

The instructions for connecting to a network are different depending upon whether you have Whole-Home DVR Service. Please see Appendix 4.

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

APPENDIX 2: CONNECTIONS TO TV & EQUIPMENT

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.

NOTE:

- Not all cables come with your digital satellite Receiver; you may need to purchase additional cables depending on your setup. HDMI cables are available from DIRECTV at a nominal charge. Contact DIRECTV customer service for more information.
- 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: Use only the power supply (power cord) that came with your DIRECTV Receiver. Failure to use the authorized power supply (power cord) may cause electric shock, fire, bodily injury and/or property damage. If the power supply (power cord) becomes damaged or needs to be replaced, please contact DIRECTV Customer Service to obtain an authorized replacement.

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.

APPENDIX 2: CONNECTIONS TO TV & EQUIPMENT

The table below shows the benefits and disadvantages of each type of available video connector:

	HDMI	Component	S-Video	RCA
High Def (HD)	✓	✓	✗	✗
HD 1080p	✓	✗	✗	✗
3D	✓	✗	✗	✗
Built-in Audio	✓	✗	✗	✗
Standard Def	✓	✓	✓	✓

HD Video Connections

- **HDMI [High-Definition Multimedia Interface]** provides the best digital video and digital audio in one connector. HDMI is the only recommended cable, and is required for the highest quality 1080p signal and 3D TV.
- **Component Video Output (YPbPr)** provides high-quality HD video, but does not provide audio. You will need to connect audio separately using the digital audio or RCA audio connectors. Newer Receivers have an "A/V Out" connector that provides Component Video and RCA audio output in a single, custom cable. Component cables do not provide 1080p or 3D TV.

SD Video Connections

These cables are provided for convenience only, and do not present an HD picture. They are useful if you have to connect your DIRECTV® HD DVR to an older CRT TV, a VCR, or other non-HD device.

- **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.

APPENDIX 2: CONNECTIONS TO TV & EQUIPMENT

Audio Connections

- **HDMI [High-Definition Multimedia Interface]** provides the best digital video and audio in one connector.
- **Digital Audio Optical** provides excellent quality digital audio and is often used on newer surround sound and DVD equipment.
- **Digital Audio Coax** provides high quality digital audio and is also found on newer surround sound and DVD equipment.
- **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, giving you a variety of connection options to your TV and other equipment.

APPENDIX 2: CONNECTIONS TO TV & EQUIPMENT

HD TV CONNECTIONS

Example: TV with HDMI Connector - RECOMMENDED

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

Note: **Only** an HDMI connection provides a 1080p picture and 3D TV.



APPENDIX 2: CONNECTIONS TO TV & EQUIPMENT

HD TV CONNECTIONS

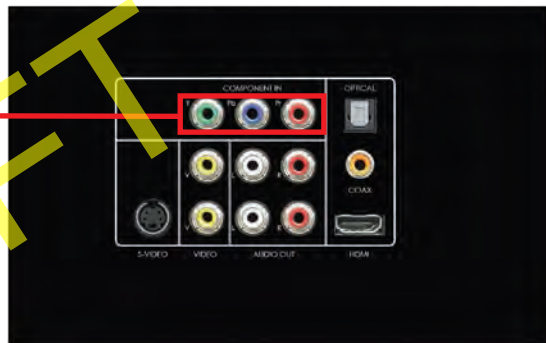
Example: TV with Component Video Connectors

Here is an example using a TV that has component video connectors as the best video input.

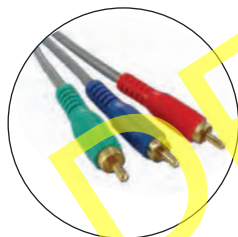
Note: A Component Video connection will not provide a 1080p picture nor 3D TV.

Component Video requires a separate audio connection.

Television



Component
Video



SD TV CONNECTIONS

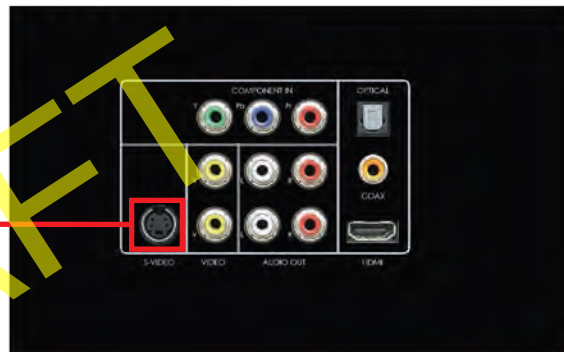
[This connection does not provide an HD picture.]

Example: TV with RCA Connectors

Here is an example of a TV that has an S-Video connector as the best video input (Not all Receivers have an S-Video connector.)

S-Video requires a separate audio connection.

Television



S-Video
Cable



APPENDIX 2: CONNECTIONS TO TV & EQUIPMENT

SD TV CONNECTIONS

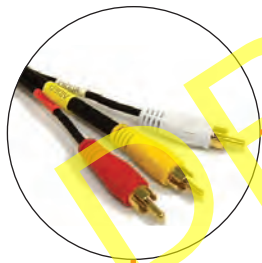
(This connection does not provide an HD picture.)

Example: TV with RCA Connectors

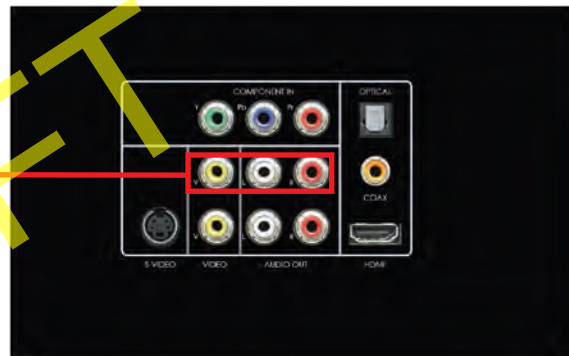
Here is an example of a TV that has RCA connectors as the best video input.

RCA cables are often bundled as a three-way cable with one video and two audio connections. You can also purchase a single-connection RCA video cable, and a separate cable for audio.

*RCA Video
and Audio*



Television



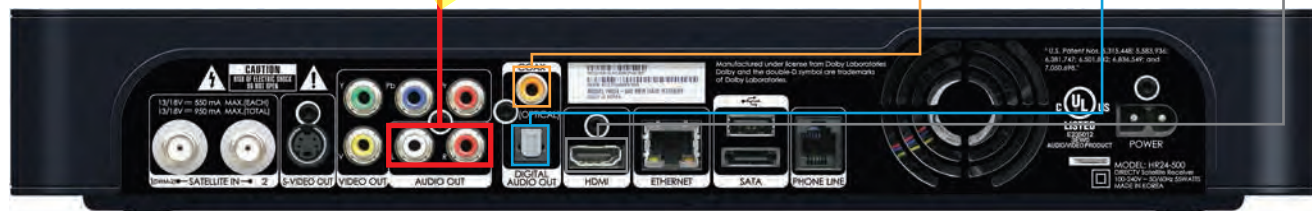
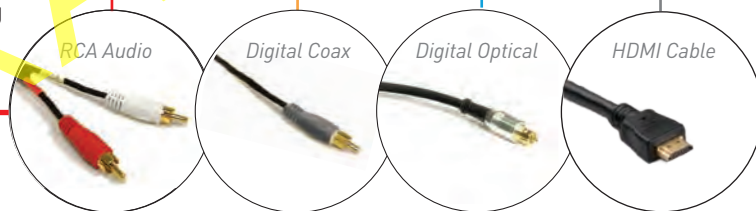
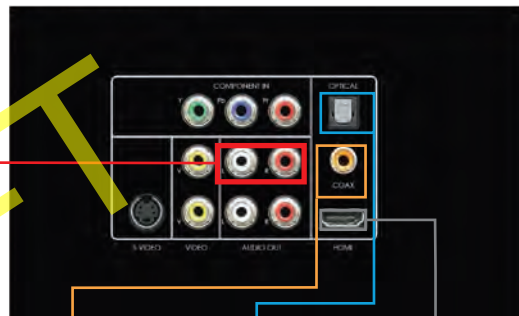
AUDIO CONNECTIONS

Of all the video connections, only HDMI provides an audio signal with the video. The other connections all require a separate audio cable. Of these, your best quality signal will be from the Digital Audio Out/Optical connector, followed by the Digital Coax connector, followed by the RCA Audio Out connector.

The connector you end up using may be determined by the equipment you are connecting to. (For example, your home theater system may support only the Digital Audio Out/Optical connector.)

The red and white RCA audio out connectors are so common, it is possible you may have one of these cables already. However, these cables provide an analog signal, so you will be missing out on the benefits of digital quality sound.

Television



APPENDIX 2: CONNECTIONS TO TV & EQUIPMENT

CONNECTIONS TO OTHER EQUIPMENT

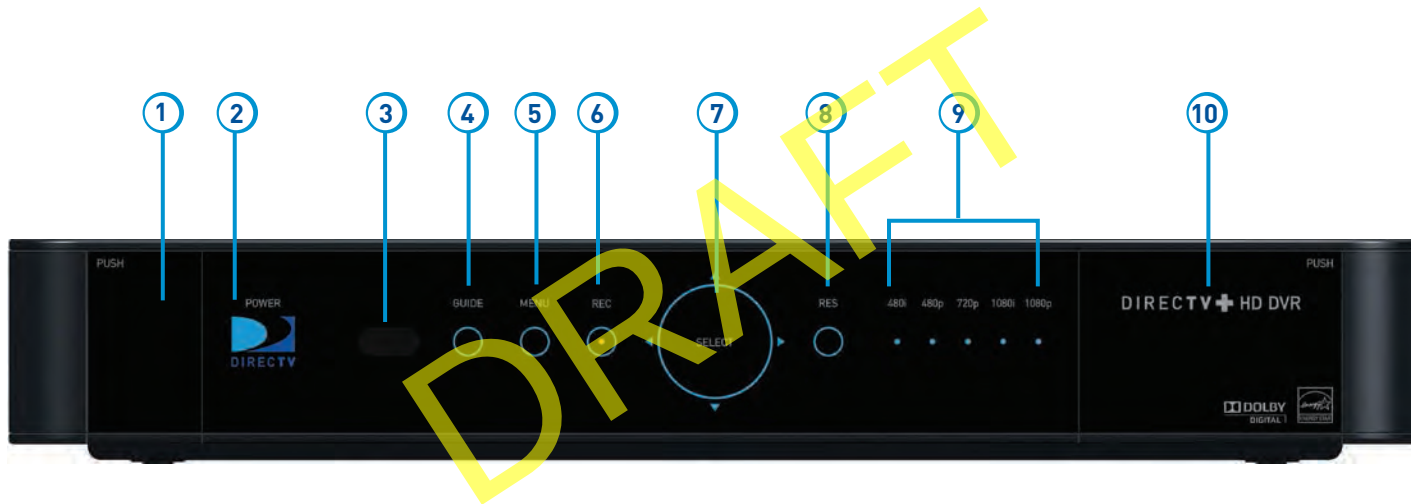
In addition to your TV, you may wish to connect other devices, such as a DVD burner, VCR, or even a second TV to your DIRECTV® Receiver. For the best-quality picture, it is recommended you do not use a pass-through connection from your TV or other equipment as an input to a DVD burner or VCR. Instead, use an available connection from your DIRECTV Receiver. For example, if you use the HDMI connection on your DIRECTV Receiver to connect to your TV, you can use the Component Video, Composite Video RCA, or S-Video Out to connect to your DVD burner, VCR, or second TV.



APPENDIX 3: RECEIVER FRONT AND BACK PANELS

Front Panel Example

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.



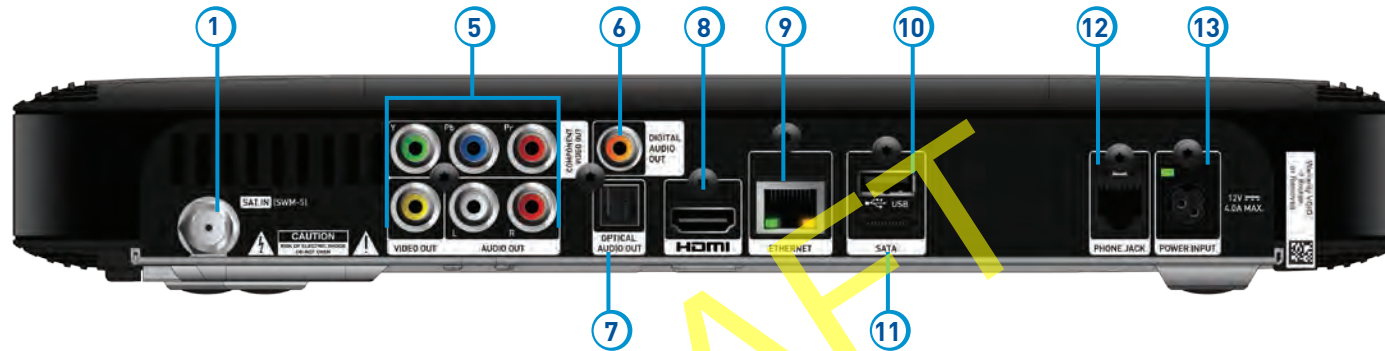
Your equipment may not look exactly like the model illustrated.

APPENDIX 3: RECEIVER FRONT AND BACK PANELS

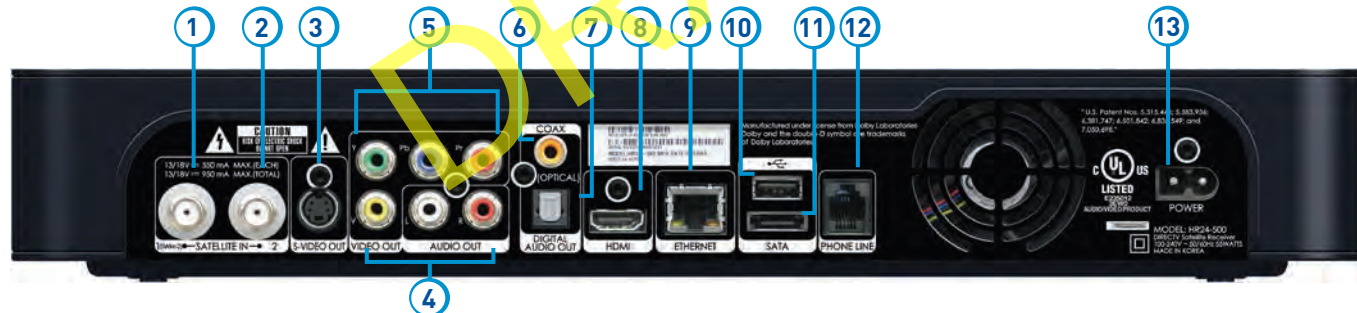
1. **DOOR PANEL, USB PORT** – For future use. USB 2.0 Host (FRONT/REAR EACH 5V = 500mA)
2. **POWER** – Turns your DIRECTV® Receiver on or off. Your DIRECTV Receiver still records and receives messages when powered off. The power light flashes when you press a key on the remote to let you know it has received the command.
3. **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 non-metal enclosure and it will receive the remote control commands up to 200 feet away.
4. **GUIDE** – Displays the onscreen Program Guide.
5. **MENU** – Brings up the Main Menu to access settings and services.
6. **RECORD** – This button lights orange when a recording is in progress.
7. **SELECT** – Selects the item highlighted.
8. **RES (RESOLUTION)** – The RES key switches the output resolution of the DIRECTV Receiver. Each time you press the key, it cycles to the next available resolution: 480i, 480p, 720p, 1080i and 1080p (supported on some models). Note: The RESOLUTION button on the front panel only changes the resolution. It does not change the screen format (crop, stretch, letterbox, pillarbox). The FORMAT button on the remote control cycles through all of the screen formats and resolutions. See Appendix 5 for details.
9. **RESOLUTION INDICATORS** – Lights indicate the current resolution setting. 480i is the old analog TV setting. 480p is Enhanced Definition TV, which is less than HD. 720p is the first level of HDTV. 1080p is the highest level of HDTV provided by the Receiver. To get the best out of HD, you should be using 720p or higher resolution for your HDTV.
10. **DOOR / PANEL, ACCESS CARD** – The access card slot, RESET button, and Receiver ID and model number are located behind the door panel.

APPENDIX 3: RECEIVER FRONT AND BACK PANELS

Back Panel Examples



GENIE™ HD DVR (HR44)



DIRECTV HD DVR (HR2x Series)

Your equipment may not look exactly like the model illustrated.

APPENDIX 3: RECEIVER FRONT AND BACK PANELS

1. **SATELLITE IN 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. **SATELLITE IN 2** – Connect the second line from your satellite dish here.
3. **S-VIDEO OUT** – A Standard-Definition video output.
4. **RCA-Audio/Video Jacks** – Standard-Definition output. You can use the entire row of RCA connectors (yellow, white and red) to feed a VCR or DVD player/burner.
5. **COMPONENT VIDEO OUT** – Use this block to connect up component video cables (green, blue, red); use the white and red RCA connectors below it for analog audio out. **These connectors provide an HD picture, but do not support 1080p or 3D.**
6. **DIGITAL AUDIO OUT COAXIAL** – Use this digital audio connection for sound.
7. **DIGITAL AUDIO OUT OPTICAL** – Use this digital audio connection for sound.
8. **HDMI** – Use this combination digital video and audio connector for the best picture quality. **This is the recommended connector for HD TV.**
9. **ETHERNET** – Please refer to Appendix 4 for information on networking options on your HD DVR before connecting anything to the Ethernet port.
10. **USB** – For future use. USB 2.0 Host (FRONT/REAR EACH 5V = 500mA)
11. **SATA** – Use this connector to add an external hard drive to your Receiver.
12. **PHONE JACK** – Connect your phone line here to enable Pay Per View purchasing and Caller ID (if your phone service package includes it).
13. **POWER** – Your Receiver must be plugged in at all times to function properly.
14. **IR RECEIVE** – Connect an IR (infrared) extender or repeater here when your Receiver is in a cabinet or otherwise not “visible” to your remote control.

APPENDIX 4: HOW TO NETWORK YOUR HD DVR

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

- A compatible DIRECTV Receiver, such as the DIRECTV HD DVR (models HR44, HR34, HR20 or later) or DIRECTV Plus® DVR (model R22)
- 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, and/or wireless capability.

The instructions for connecting to a network vary depending on whether or not you have Genie or 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 or Genie HD DVR service:

- **Professionally Installed DIRECTV CINEMA Connection Kit:** Schedule a professional installation appointment at directv.com/getconnected.
- **Wireless Self-Installed DIRECTV Cinema Connection Kit:** If you already connect to the Internet via WiFi, you can order this wireless kit at directv.com and connect yourself using the instructions provided.

If you do not have Whole-Home or Genie HD 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 DVR.
- **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. You can order the Wireless DIRECTV CINEMA Connection Kit from directv.com, or at 1.800.531.5000.

APPENDIX 4: HOW TO NETWORK YOUR HD DVR

If you have Whole-Home DVR Service:

PROFESSIONALLY INSTALLED DIRECTV CINEMA CONNECTION KIT

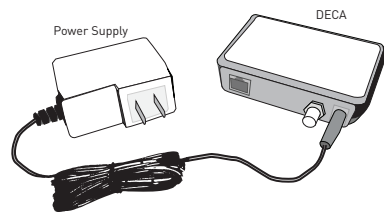
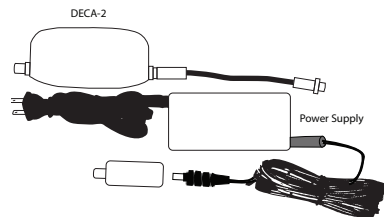
Because Whole-Home DVR service uses a network to share programs between your DIRECTV Receivers, only a professionally installed DIRECTV CINEMA Connection Kit or the DIRECTV CINEMA Connection Kit - Wireless can be used to connect to the Internet.

- Never connect an Ethernet cable to an HR24 or H24 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 DVR (Models HR20-23, R22), you must use either a professionally installed DIRECTV CINEMA Connection Kit, or the DIRECTV CINEMA Connection Kit - Wireless, to connect to the Internet.

Your professionally installed DIRECTV CINEMA Connection Kit will include a Broadband DECA similar to one shown of the models here.

The DIRECTV 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 4: HOW TO NETWORK YOUR HD DVR

SELF-INSTALLED DIRECTV CINEMA CONNECTION KIT - WIRELESS

You can also order the DIRECTV CINEMA Connection Kit - Wireless from directv.com, or by calling 1.800.531.5000. Please follow the installation instructions in the Kit's User Guide.

If you do not have Whole-Home DVR service:

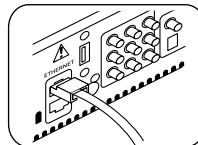
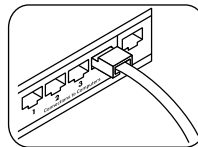
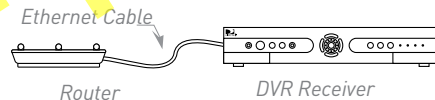
WIRED

Step 1 - Connect your DIRECTV HD DVR 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 DVR.

Direct Connection



APPENDIX 4: HOW TO NETWORK YOUR HD DVR

Step 2 - Verify that you are connected

To verify you are connected:

- Press **MENU** on your DIRECTV Remote
- Select **Settings & Help**
- Select **Settings**
- Select **Network Setup**
- Choose **Connect Now** (or Test Connection if you have connected previously)
- 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 DVR 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

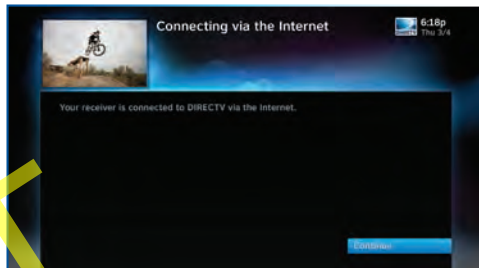


Figure B

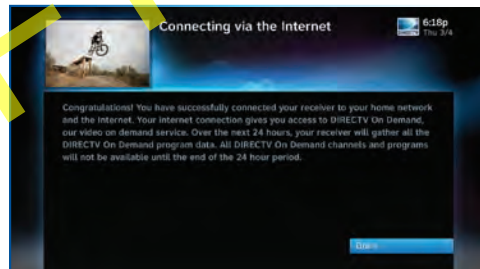


Figure C



APPENDIX 4: HOW TO NETWORK YOUR HD DVR

WIRELESS

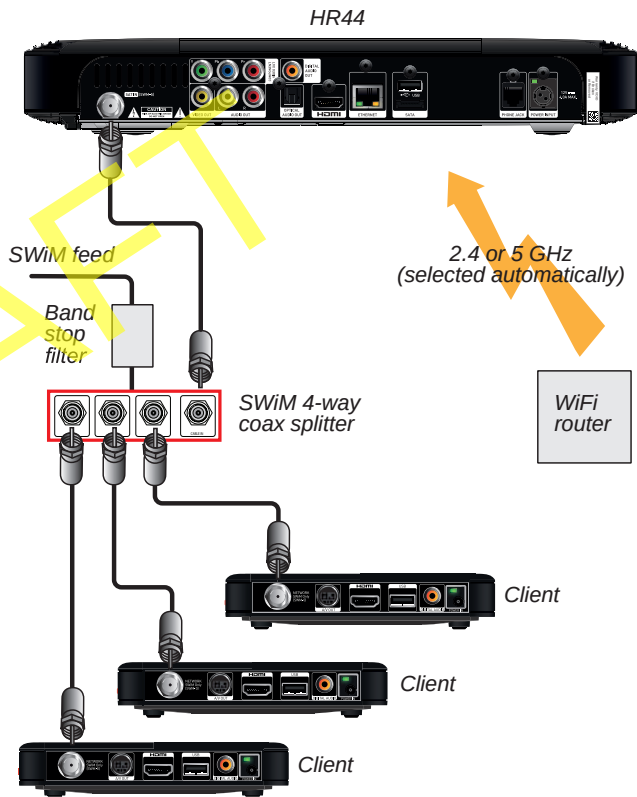
Create a wireless connection between your wireless router and your DIRECTV HD DVR, so your Receiver can access the Internet. As with a wired Internet connection, you will be able to access all On Demand programming, TV Apps and other services and content available only when connected to the internet.

For HR44 HD DVR & Later Receiver Models

The DIRECTV® Genie®HR44 HD DVR has a built-in wireless transceiver, which allows you to pair it with your existing wireless router, and connect to your home broadband WiFi service. It eliminates the need for the external Cinema Connection Kit (CCK), required for previous models of HD DVR for Internet connectivity. However, if you do have the CCK already configured from a previous DIRECTV HD Receiver, it will automatically detect your network settings for the HR44 to connect it to the Internet.

In addition to the Network Requirements (see earlier in Appendix 4), you will need a **wireless router** set up and initialized for your home Internet service before you start the Internet connection sequence for your HR44 HD DVR.

1. Be sure that your TV and DIRECTV Genie HR44 Receiver are on.
2. Using the DIRECTV Black & White RC71 Remote that came with your HR44 Receiver or the older White Remote, press MENU.
3. Select "Settings & Help", then "Settings", then "Network Setup".



APPENDIX 4: HOW TO NETWORK YOUR HD DVR

4. Select "Connect Now", then "Continue"; the "Setup: Wireless Connection" screen will display.
5. If supported by your WiFi router, choose "Push Button Setup" (also known as WPS) and the connection will complete; otherwise select **Manual Setup**, and follow the directions below.
6. **"Manual Setup"** from the "Setup: Wireless Connection" screen:
 - Select **Manual Setup**. Your HR44 will detect any wireless networks within range and list them on the screen (this can take a minute or two).
 - Use the ARROW buttons to choose your target wireless network and press **SELECT**.
 - Use the RIGHT ARROW button and press **SELECT** on **"Continue"**.
 - Input the password that you use for your wireless router.
 - Use the RIGHT ARROW button and press **SELECT** on **"Continue"**.
 - The wireless connection between your wireless router and your DIRECTV® HR44 HD DVR should now be active.
 - Select **"Done"** to complete the manual setup process.

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



APPENDIX 4: HOW TO NETWORK YOUR HD DVR

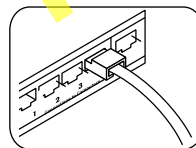
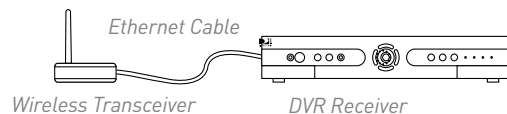
For HR34 HD DVR & Earlier Receiver Models

In addition to the Network Requirements you will need:

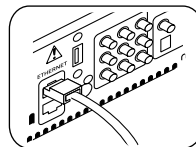
- A wireless adapter that uses an Ethernet port to connect to a media device, preferably the **DIRECTV CINEMA Connection Kit** – Wireless (CCK-W). NOTE: USB devices are not supported by the DIRECTV HD DVR.
- A **wireless router** set up and initialized for your home Internet service before you start the Internet connection sequence for your HR34 HD DVR or older Receiver model.

Step 1: Connect your DIRECTV HR34 HD DVR (or earlier) 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 DVR.
- If using the DIRECTV CCK-W, follow connection instructions found in the user's manual that came with the device (or go to directv.com/getconnected) to determine proper connection.
- Plug your wireless adapter into an electrical outlet.



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



Ethernet cable plugs into DVR Receiver

APPENDIX 4: HOW TO NETWORK YOUR HD DVR

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.

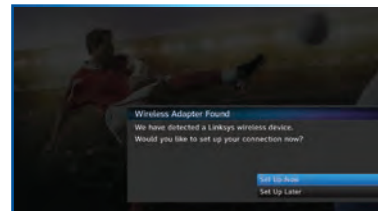


Figure A

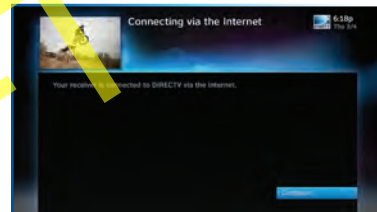


Figure B

Step 3 - Verify that you are connected:

Press the MENU button on your DIRECTV Remote.

- Select **"Settings & Help"**, then **"Settings"**, then **"Network Setup"**.
- Choose **"Connect Now"** (or **"Test Connection"**, if you have connected previously).
- Select **"Continue"** after successfully connecting to DIRECTV via the Internet (See figure A).
- Select **"Done"** to finish the setup process (See figure B).

If your DIRECTV HD DVR does not immediately recognize the network connection, you will have the option to choose the connection method. Choose **"Wireless"** (See Figure C) and follow the onscreen instructions.



Figure C



SCREEN FORMAT & RESOLUTION

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 (i.e., non-digital 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 approximately 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.

In order to optimize the display of programs on your television — for example, if you are watching a 4:3 channel on a 16:9 TV or vice versa — you may occasionally need to change the resolution and/or screen format. Press INFO, then right-arrow to "Audio/Video" and select "Change Resolution & Format". Press SELECT until you see the settings you want.

You can also use the RES (Resolution) key on the front panel of the DIRECTV HD DVR (HR44, HR34, HR25 and above) to change the resolution, but not the screen format. Just press RES and cycle through the various options until you see the indicator light illuminate for the resolution you want on the front of the Receiver.

NOTE: * In Native mode, the Receiver automatically adjusts the resolution to match individual TV programs as they are tuned. To confirm your Receiver's Native setting, press MENU, select "Settings & Help", then select "Settings", then "Display", then "Video". Press SELECT on the "Native" field to toggle this setting On or Off.

FORMAT Key on the White Remote Control

Alternately, if you are using a DIRECTV Remote of the RC6x series, you can also use the FORMAT key on your remote to cycle the resolutions settings 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 Ratio setting. With each press, an onscreen message will let you know what the current resolution/format setting is.

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*,

APPENDIX 5: ABOUT HIGH-DEFINITION

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: repeat cycle

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 "Settings & Help", "Settings", "HDTV" and then select "TV Resolutions". Mark or unmark the TV Resolutions to display the resolutions supported by your television.

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.

APPENDIX 5: ABOUT HIGH-DEFINITION

WIDE-SCREEN VS. STANDARD FORMATS

4:3 TVs Showing 16:9 program

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 "Settings & Help", "Settings", and then "Video". Arrow right and down to the "Bar Color" field, then scroll through the color options to select your desired bar color. See your TV's owner's manual for information on the best color for your set.

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 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 "Settings & Help", "Settings", 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.

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

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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 record.
		Indicates record has been set for all episodes of an ongoing program.
		Indicates showing that was set by the user conflicts with another showing.
		Indicates showing that was set by the user was canceled by the scheduler due to an unexpected conflict.
		Shows Autorecord has been set for matching programs in a Search.
		Indicates a recorded or live-stored video is fast forwarding at normal speed.
		Indicated a recorded or live-stored video is rewinding at normal speed.
		Indicates current video is paused.
		This key plays current video when paused; it displays the control bar when already playing.
		Indicates one or more new messages are in the Inbox.
		Shows that Parental Control limits are currently "locked".
		Shows that limits are temporarily unlocked.
		Shows that there are no current limits imposed.
		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.

Other Icons



ENTER



LB



HD



VOD



Screen hints indicating a special function, activated by pressing the related button on the remote control.

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.

Indicates the scheduled PPV is set to purchase.

Program is currently downloading.

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

Indicates program is ready to watch.

Indicates a Program is in the Queue.

All episodes of an ongoing programs are in the Queue.

Indicates a program is about to expire

Indicates that the programs comes from DIRECTV CINEMA.

Indicates a recorded program is not available for viewing.

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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.

FORMAT

Cycles through screen formats (loop, stretch, pillar box, letter box) and resolutions.

STOP*

Stops Recorded Video

REPLAY*

Jumps back 6 seconds. Held 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 menu of settings and services.

RED

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

GREEN

In Guide, jumps 12 hours forward; function varies on other screens - look for onscreen 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 onscreen menus.



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Tune to a channel directly; also input numbers when needed in onscreen menus.

DIRECTV & TV POWER ON

Turns your DIRECTV® Receiver and TV, together, on or off.

POWER

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

ADVANCE*

Jumps ahead 30 seconds. Held 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 Playlist.

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 onscreen 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 HD DVRs. Other equipment may behave differently.

ON/OFF

Turns both DIRECTV® Receiver and TV ON or OFF at the same time. (Remote must be programmed for TV, DTV Receiver still records when off).

GUIDE

Press once for On-Screen Guide. Press twice for programming grouped into categories.

RECORD

RECORD program now playing or highlighted in the On-Screen Guide. Press twice to record the entire series.

RED CIRCLE BUTTON

Jump back 12 hours while viewing the On-Screen Guide. Access ScoreGuide™ while viewing any sports channel.

VOL

Increase or decrease the VOLUME level.

MUTE

MUTE the sound.

REPLAY

REPLAY previous six seconds. Press and hold to jump back to the beginning of a recorded program.

REWIND

REWIND at increasing speeds—press up to four times. Press and hold to jump to previous tick mark. Jump back 12 hours while viewing the On-Screen Guide..

PLAY/PAUSE

PLAY current program. Press once while program is playing to PAUSE. Press and hold while program is playing for slow motion.

DASH

Press for Guide options while viewing On-Screen Guide. Press twice to delete recorded shows from your playlist.

Press to display last 6 digits of Receiver ID, Satellite signal type (SVM or Multiswitch) and Internet status.

MENU

Display the MENU.

LIST

Display the LIST of your recorded programs.

ARROWS

Press ▲ to move up within a menu.
Press ▼ to move down within a menu.
Press ► to move right within a menu.
Press ◀ to move left within a menu.
Press ◀◀ to go back within menus.

EXIT

EXIT the menu and return to previous channel viewed. Stop playback while viewing recorded content.

SELECT

SELECT item highlighted on-screen.

INFO

Display INFORMATION about the program now playing or highlighted in the On-Screen Guide.

CH

Change TV CHANNELS.
Scroll a full page while viewing the On-Screen Guide.

PREV

Return to PREVIOUS channel viewed.

ADVANCE

ADVANCE 30 seconds.
Press and hold to jump ahead to the end of a recorded program.

FAST-FORWARD

FAST-FORWARD at increasing speeds—press up to four times. Jump ahead 12 hours to next tick mark. Jump ahead 12 hours while viewing the On-Screen Guide.

ENTER

Press for Menu Guide while viewing your program and dismiss with EXIT.

ENTER also replaces TV INPUT button: To cycle through the equipment connected to your TV, press and hold for three seconds until LED light at top turns green. Then scroll through inputs by pressing ENTER again.



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