

When there is empty space in the Now Playing List, the DVR service may record TiVo Suggestions for you. Suggestions are marked in the Now Playing List with a TiVo icon (). The DVR never deletes a program you requested to make room for a suggestion. Instead, suggestions are deleted to make room for recordings you schedule. A preference that prevents TiVo Suggestions from recording automatically is described on page 97. TiVo Suggestions that have been recorded once will not record again for at least 28 days.

► **Showcases**

Looking for the biggest shows on TV? Showcases are your shortcut to the most exciting events and the best movies. Whether you're looking for a hit comedy or want to get the most from your subscription to the premium channels, Showcases offer you a quick, interactive way to get what you want. You'll always find something fun and unusual in the TiVolution Magazine Showcase. Showcases are updated several times weekly during the DVR's daily phone call.

To explore Showcases and schedule recordings:

1. Press the DIRECTV button to see DIRECTV Central.
2. Select Showcases. A collection of Showcases appears.
3. All of the showcases may not fit on the screen. You can use the CHAN DOWN button to see showcases that are not visible at first. Each showcase is represented by a graphic. A white box appears around the highlighted showcase and a graphic displays at the top of the screen. Use the navigation buttons, RIGHT, LEFT, UP and DOWN, to highlight the showcase you want and then press SELECT. A list of themes in that Showcase appears.

4. Use the CHAN DOWN button to see themes that are not visible at first. When you highlight a theme, a short description of it appears at the top of the screen. Select a theme. A list of programs appears.
5. You can use the CHAN DOWN button to see programs that are not visible at first. When you highlight a program, a short description of it appears at the top of the screen. Select a program to see its Program Information screen. If the channel that carries the program is included in your “Channels you Receive” list, you can schedule a recording from the Program Information screen.

Messages and Setup

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►► Messages from DIRECTV



From time to time DIRECTV may send you messages about updates to your service and other important notices. These messages are important, useful and easy to get to—we made them that way because we really want you to read them. When you receive a new message, a message icon () appears on the channel banner and in DIRECTV Central.

To read a message:

1. From DIRECTV Central, select “Messages and Setup.”
2. Select “Messages.”
3. Select the message you want to read.

Use the CHAN DOWN button to see text that does not fit on the screen. When you are finished reading a message, select “Done” or “Delete Message.”

Selecting the message icon in the channel banner will take you to your list of messages. The message list will display No Messages if there are no messages to read.

►► Purchases

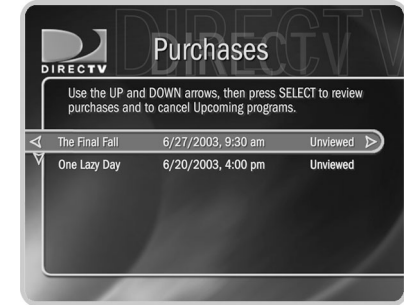
To see the Purchases screen, first press the DIRECTV Button, then Messages and Setup, then select “Purchases.” The Purchases screen displays a list of all pay per view programs you have purchased, along with their date and time. Each program in the list is also marked either “Upcoming,” “Purchased,” “Canceled,” or “Unviewed.”

- **Upcoming.** These programs are scheduled to be purchased but have not aired yet. You have not yet been charged for them. You can cancel upcoming purchases by selecting them. The Purchase Info screen, described below, will appear.
- **Purchased.** These programs have been viewed. You were charged for them.
- **Canceled.** Purchase of these programs was canceled before the programs aired. You were not charged for them.
- **Unviewed.** These programs were scheduled to be purchased but were not viewed and not recorded. You were not charged for them.

Purchase Info. The Purchase Info screen shows a selected pay per view event’s date, time, channel and purchase price. You can cancel upcoming purchases on this screen. Canceling a scheduled pay per view recording in another place—for example, the To Do List—does not cancel the purchase. You must cancel the purchase from the Purchases screen. To see Purchase Info, highlight a program and press SELECT.

To cancel an upcoming purchase:

- On the Purchases screen, highlight an upcoming purchase and press SELECT. The Purchase Info screen appears.
- Select “Cancel this purchase.” A confirmation screen appears.





If a pay per view program exceeds spending or rating limits you have set with Parental Controls, a password will be required to purchase it.

- Press SELECT. The purchase is canceled. You return to the Purchases screen. If you cancel a purchase that is scheduled to record, the recording is also canceled.

► **Pay Per View**

Your DIRECTV® DVR makes buying and recording pay per view events a snap. You can order them when they are promoted on live TV, or during a search for programs. You can order them to watch, or to be recorded. And the whole transaction can be handled using your remote control.

The Purchases screen keeps a record of all your pay per view purchases. You can also go to the Purchases screen to cancel purchases of pay per view events that have not yet aired.

Ordering from live TV. While watching live TV, you may see a promotion for a pay per view event, including instructions to press SELECT for ordering information. If you press SELECT, you will see the Program Information screen for pay per view.

If the promotion happens when you are not caught up to live TV, a small message that says “Press Select” and “Next Showing” will appear. If you press SELECT, you will see the Program Information screen for pay per view. If you don’t want the program, you can press EXIT to remove the message.

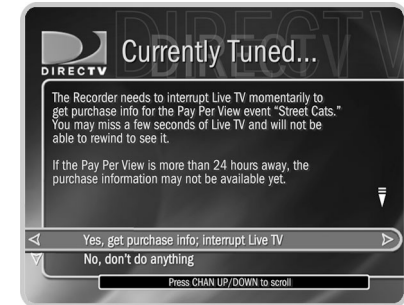
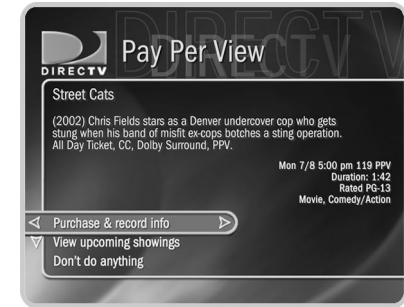
Program Information for Pay Per View. When you order a pay per view event from live TV, or select a pay per view event in Pick Programs to Record or the Program Guide, you see the Program Information screen for pay per view. Options on the Program Information screen vary, depending on whether the event selected is currently showing, is already scheduled to record, or is currently available to be purchased through the DVR. Though some events have dedicated channels that allow ordering more than 24 hours in advance,

you usually cannot use the DVR to purchase a pay per view event more than 24 hours before the event airs. Recorded pay per view programs are marked “Save Until I Delete” (the green icon) by default. That way your recorded movies are saved until you manually delete them from the Now Playing screen.

- **Purchase & record info.** If the DVR does not have purchase information (such as the price of the pay per view event) immediately available, it can do a short check for it. If the DVR gets purchase information, the event will become available to purchase and record. To check for purchase information the DVR must briefly tune to a special channel. If you are recording a program, checking for pricing information this way may create a short skip in the recording. The skip is usually less than two seconds but may be up to ten seconds long. The DVR provides a confirmation screen so you can avoid such a skip by choosing not to check for purchase information.

If the DVR finds purchase information by tuning away, the pay per view screen will be refreshed with the new information and you will have the option to purchase the program. If the DVR cannot find purchase information, you will be informed that purchase information is not available.

- **Buy and record.** When you select this option, the pay per view event is purchased and a recording of it is scheduled on the To Do List. A verification screen appears describing any scheduling conflicts. If you verify that you want to buy and record the event, a second screen confirms the purchase. You can select “Options,” to the right of “Buy and record,” to change Recording Options for the pay per view event.





- **Buy; don't record.** When you select this option, you purchase the pay per view event. A verification screen appears with a description of any scheduling conflicts.
- **View upcoming showings.** Press SELECT to display a list of upcoming showings for the program. Highlighting one of these showings and pressing SELECT displays the Program Information screen for that showing. LEFT arrow from the list returns to the previous screen.
- **Watch Now.** Available if the program has been purchased and is currently playing.
- **Review/cancel purchases.** The pay per view screen includes this option if you have already purchased a program. Selecting "Review/cancel purchases" displays the **Purchases** screen, where you can cancel any purchases you have not yet watched or recorded.
- **Record as planned.** Available if you already scheduled the program to record. Selecting this leaves the pay per view screen without making any changes.
- **Cancel this recording.** Available if the program has been purchased and is being recorded. Selecting this option cancels the recording. (Because the DVR began recording the program, you will still be charged for the purchase.)
- **Continue recording.** Available if the program is already recording. Selecting this option leaves the pay per view screen without making any changes.

►► My Preferences

To see My Preferences, press the DIRECTV button, and then select “Messages & Setup” and then “My Preferences.” My Preferences are your personal preferences—you change them to make the DVR work more to your liking.

► Customize Channels

What are channel lists for? Features such as Search by Title and Search Using WishLists only look at programs available on channels selected in the Channels You Receive list. Your DVR also uses lists of channels to decide which channels the List Guide displays and which channels to search in Browse by Channel.

There are two selections available in Customize Channels:

Channels You Receive. The Channels You Receive list starts with all DIRECTV® channels. It can be customized to include only channels you actually subscribe to and to reflect your viewing preferences (for example: if you never watch a channel and don’t plan to set up any recordings on it, or let the DVR service search for programs on it, you can de-select it here).

Favorites. The Favorites list is for channels you watch frequently. Include only a few channels in this list, so that you can quickly look at what’s coming up on them.

To set up a custom channel list:

1. Select the Channels You Receive or Favorite Channels list. A check mark appears to the left of channels that are part of the selected list.
2. To remove or add a channel, highlight it and press SELECT. (You can speed through the list with the CHAN UP/DOWN. To go directly to a specific channel, press the number buttons, then press ENTER/LAST.)





The large version of the channel banner has a shortcut to Parental Controls. Press **INFO**, then press the **DOWN** arrow to highlight the lock icon, then press **SELECT**.

Your changes are saved automatically. Press the **LEFT** or the **RIGHT** arrow to return to the Customize Channels screen.

► **Parental Controls**

Parental Controls allow you to set limits on movie and television ratings and to lock specific channels so that a password is required to view them. If you try to watch a program in the Now Playing List that violates a Parental Control, you will also be asked for the password. In addition, when Parental Controls are on, you must enter a password to delete a program that violates a Parental Control.

The padlock icon shows the current state of Parental Controls:



Off. No password or controls set. Padlock appears unlocked and dark.



On. Password and controls set. Padlock appears locked and bright.



Temporarily off. Parental controls are set, but a password has been entered to temporarily turn them off. The padlock appears unlocked and bright.

While Parental Controls are on, you can watch a locked program or channel by pressing **SELECT**, then entering the Parental Controls password. This temporarily turns off Parental Controls.

To turn on Parental Controls and define a password (🔒)

1. Select “Turn on Parental Controls.”
2. Use the number buttons on the remote control to enter a four-digit password.
3. Enter the same password again for confirmation.

To temporarily turn off Parental Controls (🔓)

- Enter the password to watch a program or channel—Parental Controls become temporarily turned off, or
- Select “Temporarily turn off Parental Controls” on the Parental Controls screen, then enter your password.

When Parental Controls are temporarily turned off, any program or channel can be viewed, but the correct password is still required to change Parental Controls settings.

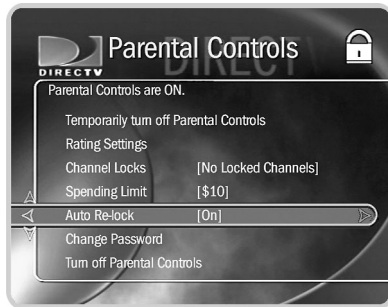
To re-enable Parental Controls (🔒)

- On the Parental Controls screen, select “Re-enable Parental Controls,” or
- Put the DVR in Standby, then take it out of Standby. To do this, press the DIRECTV button on the remote control, then select “Standby,” or press the Standby button on the DVR.

Auto Re-lock Option

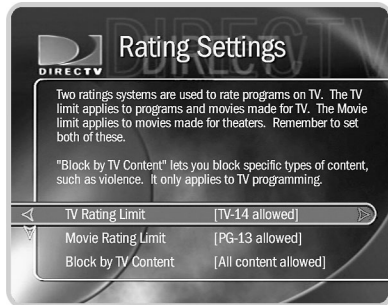
When Parental Controls are temporarily turned off, they re-lock automatically after four hours if you don’t use your remote. Parental Controls won’t re-lock in the middle of a show. By default, the Auto Re-lock option is on.





To turn off Auto Re-lock:

Go to Messages & Setup, then My Preferences, then Parental Controls. Press the DOWN arrow to highlight “Auto Re-lock,” then press SELECT. Enter your password, then highlight and select “Auto Re-lock off.”

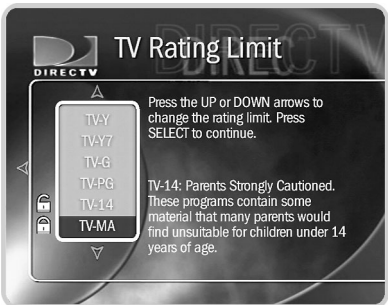


Rating Settings for TV and Movies (🔒)

Movies that are originally meant for release to theaters have a different rating system from programs that are made for TV. You can use Parental Controls to set limits for both rating systems. There is also a rating system for TV content that allows you to set limits for specific types of content that may be objectionable—such as sexual content or violence.

To set Rating Limits for TV and Movies:

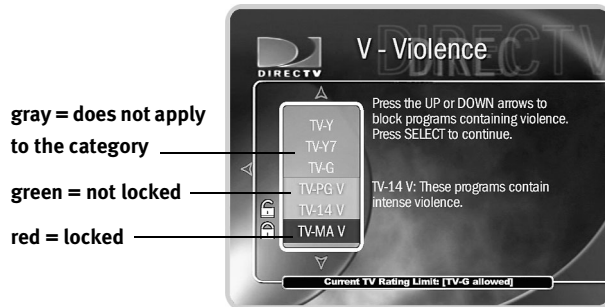
1. From Parental Controls, select “Rating Settings,” then enter the password and press SELECT.
2. Select the kind of limit you want to change: TV or Movies.
3. The next screen contains a box listing all potential ratings. Ratings shaded in green are not locked; those in red are locked. Use the UP and DOWN arrows to move the red shading and adjust which ratings are locked. Your changes are saved automatically. When you are done, press the RIGHT or LEFT arrow to return to Parental Controls.



To set Rating Limits for Specific TV Content:

1. From Parental Controls, select “Rating Settings,” then enter the password and press SELECT.
2. Select Block by TV Content.
3. A list of categories appears on the next screen. Select a category (for example, V-Violence).
4. A box containing all the possible ratings appears. Ratings in green are not locked; ratings in red are locked. (Ratings in gray do not apply to the category. For example, a TV-Y program would not have *V-Violence* content so there is nothing to block.)

Use the UP and DOWN arrows to adjust which ratings are locked or unlocked. The display to the right of the box will change to tell you exactly what ratings level you are allowing. Your changes are saved automatically. To return to the Parental Controls screen, press SELECT or the RIGHT arrow.



► **Motion Picture Association of America ratings for movies**

G: General Audiences. Most parents would find this material suitable for all ages.

PG: Parental Guidance Suggested. Parents may find portions of this material unsuitable for younger children.

PG-13: Parents Strongly Cautioned. This material contains portions many parents would find unsuitable for children under 13 years of age.

► **Ratings for television movies and programs (including content ratings):**

TV-Y. All children. This program is designed to be appropriate for all children. Whether animated or live action, the themes and elements in this program are specifically designed for a very young audience, including children from ages 2-6. This program is not expected to frighten younger children.

TV-Y7. Directed to older children. This program is designed for children age 7 and above. Themes and elements in this program may include mild fantasy or comedic violence, or may frighten children under the age of 7. Programs where fantasy violence that may be more intense or more combative than other programs in the TV-Y7 category are designated TV-Y7-FV.

TV-G. General audience. Most parents would find this program appropriate for all ages. Although this rating does not signify a program designed specifically for children, most parents may let younger children watch this program unattended. It contains little or no violence, sexual dialogue, or situations; and no strong language.

R: Restricted. This material is specifically designed to be viewed by adults and therefore may be unsuitable for children under 17.

NC-17: Adult Content. This material contains intense, disturbing, or graphically portrayed themes or content that are not suitable for viewing by children under 17.

X: Explicit Sexual Content. This material contains explicit sexual content and is intended to be viewed by adults ONLY.

NR: (Not Rated). This program has not been rated.

TV-PG. Parental guidance suggested. This program contains material that parents may find unsuitable for younger children. Many parents may want to watch it with their younger children. The theme itself may call for parental guidance and/or the program contains one or more of the following: moderate violence (V), some sexual situations (S), infrequent coarse language (L), or some suggestive dialogue (D).

TV-14. Parents strongly cautioned. This program contains some material that parents would find unsuitable for children under 14 years of age. Parents are strongly urged to exercise greater care in monitoring this program and are cautioned against letting children under the age of 14 watch unattended. This program contains one or more of the following: intense violence (V), intense sexual situations (S), strong coarse language (L), or intensely suggestive dialogue (D).

TV-MA. Mature audiences only. This program is specifically designed to be viewed by adults and therefore may be unsuitable for children under 17. This program contains one or more of the following: graphic violence (V), explicit sexual activity (S), or crude, indecent language (L).

Channel Lock for Live TV (🔒)

You can lock individual channels so that a password is required to view any program on those channels. To lock or unlock channels:

1. From the Parental Controls screen, select “Channel Lock,” and then enter the password.
2. A channel list appears with a padlock icon to the left of any locked channels. Highlight a channel and press SELECT to add or remove a padlock icon. Use CHAN UP/DOWN to move through the list quickly. You can highlight a specific channel by entering its channel number with the number buttons on the remote.
3. When you are done, press the RIGHT or LEFT arrow to return to Parental Controls. Your changes are saved automatically.

Spending limit. You can limit the amount that may be spent on a single pay per view event. When Parental Controls are on, a password is required to purchase any event that exceeds the limit. To set the spending limit:

1. Select “Spending Limit.” A password screen appears.
2. Enter the password and press SELECT. If Parental Controls are off, you are asked to create a new password and they are turned on.
3. The Spending Limit screen appears. Use the number buttons on the remote control to enter a spending limit.
4. Press SELECT to save your changes and return to Parental Controls, or press LEFT arrow to discard your changes and return to Parental Controls.



If you set the spending limit to zero

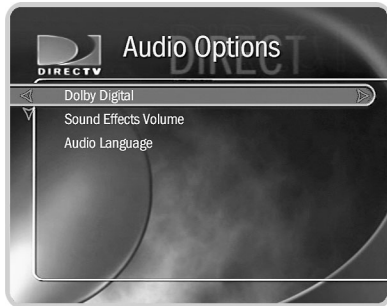
(“0”), pay per view programs

cannot be purchased without entering the correct password.





When you turn Parental Controls off, you don't need to know a password to turn them back on. You may prefer to temporarily turn off Parental Controls, so that another person in your household does not choose a new password.



To change the Password (🔒)

To change the password for Parental Controls, Parental Controls must be on.

1. Select Change Password on the Parental Controls screen.
2. Enter a new password.
3. Re-enter the new password.

To turn off Parental Controls (🔓)

1. Select “Turn off Parental Controls.”
2. Enter the password and press SELECT.

When Parental Controls are turned off, the password is deleted and anyone can view any programs or watch any channels.

► Channel Banner

Normally, when you change channels, a channel banner displays for a few seconds. If you want the channel banner to disappear quickly, select “Clear banner quickly.”

► Audio Options

Dolby® Digital. This sets your DVR's default to automatically record and output Dolby® Digital audio whenever a program includes it. You should do this if you have the digital output of your DVR connected to an audio/visual system equipped with Dolby® Digital decoding. If you are watching a program with Dolby® Digital audio, you will not hear the DVR's sound effects. You can change to Dolby® Digital audio for individual programs that include it by selecting the Dolby® Digital icon (🔊) in the channel banner.

Sound Effects Volume. Allows you to change the volume or turn off your DVR's sound effects (the tones played when you press buttons on the remote control). The default setting is Medium. Sounds effects are not currently available from the DVR's digital audio output.

Audio Language. This sets your DVR's default to automatically play the sound track in the language chosen, if that language is available. If the language you choose here is not available, the program's default language is used. When programs include alternate audio tracks (alternate audio usually provides the sound track in a different language), you can change the audio track for individual programs by selecting the Alternate Audio icon () in the channel banner.

► **TiVo Suggestions**

This screen lets you turn automatic recording of TiVo Suggestions on or off. When automatic recording is on, TiVo Suggestions may be recorded onto free disk space. Programs you have recorded or scheduled to record will never be deleted to make room for TiVo Suggestions. If space is needed to save programs you have scheduled to record, TiVo Suggestions are the first things to be deleted. When you set up your DVR, automatic recording of TiVo Suggestions is on.





Standard Screen



Wide Screen

► **TV Aspect Ratio**

This screen lets you choose one of two settings, the default Standard Screen—4:3 or Wide Screen—16:9. If you have a normal television, you should leave this setting at the default. If you have a wide screen set, select “Wide Screen—16:9.” Doing this allows programs transmitted in a wide screen format to fill the wider screen. If you are unsure of the correct setting, leave it at the default Standard Screen—4:3. If this is the wrong setting for your television, programs in wide screen format may appear 'squashed' horizontally—people would seem very tall and thin.

Movies are generally made in a wider format than standard television images. Movie images on television deal with the difference in one of the following three ways:

Standard or “Pan-and-Scan”. The edges of the movie are carefully edited to make it fit the television format. This format is unaffected by the TV Aspect Ratio setting.

Letterbox. The full width of the movie image is displayed. On standard TVs, this leaves a black margin on the top and bottom of the image. Some wide screen TVs can eliminate the margins and make Letterbox fill the screen. (See the owner's manual for your wide screen TV.) This format is unaffected by the TV Aspect Ratio setting.

Anamorphic. This method allows the DVR to choose how to display the image. If TV Aspect Ratio is set to Wide Screen, the DVR displays a wide screen image. If TV Aspect Ratio is set to Standard, the DVR displays a Letterbox image.

►► Recorder & Phone Setup

Options under Recorder & Phone Setup affect the basic functioning of the DVR. Most of these settings were established before or during Guided Setup, and you may not ever need to change them.

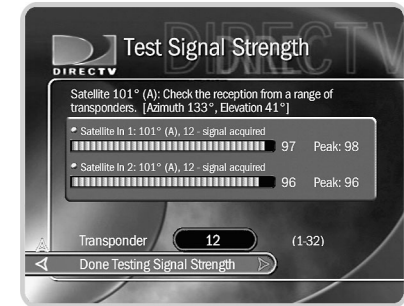
► Satellite Dish Setup

If you have a loss of signal and wish to diagnose the problem, or you need to re-point your satellite dish antenna, or if you add additional equipment, you can select “Satellite Dish Setup” to reconfigure your satellite dish antenna setup.

Test Signal Strength. This screen shows approximate pointing information for your satellite dish antenna. You can also use this screen to check the strength of the signal received from each transponder on a selected satellite dish antenna. It shows you the signal strength from individual transponders one at a time. To be sure you receive all of your channels, you should check signal strength on all transponders.

A transponder is a piece of radio equipment on a satellite. The DIRECTV transponders receive information from DIRECTV and rebroadcast it to your satellite dish antenna. Different channels are rebroadcast by different transponders, and different satellites have different numbers of transponders.

Note: You can check signal strength while you adjust the pointing of your satellite dish antenna. The signal strength meter on this screen provides audio feedback—a tone that becomes higher pitched as the signal gets stronger. You may be able to turn the volume on your TV up so you can hear the tone while you adjust the position of your satellite dish antenna. Alternatively, you might have someone watching the signal strength meter and





then reporting through a cell phone or walkie-talkie to the person who is adjusting the satellite dish antenna.

When you first come to this screen, it shows signal strength for the transponder that carries the current channel. If you are having trouble with a specific channel, tune to that channel, then come to this screen to check the signal for that transponder.

- To change the transponder, use the UP arrow to highlight the transponder number. Press the RIGHT or LEFT arrow to change the transponder number. It is best if each transponder has a signal strength above 70.

If you have an Oval, 2 or 3 satellite dish antenna, you can check the signal strength from transponders on each satellite.

- To change the selected satellite, press the UP arrow until the satellite number is highlighted. Press the RIGHT or LEFT arrow to change the satellite.
- Press the DOWN arrow to highlight the transponder number, then press the LEFT or the RIGHT arrow to check the signal on different transponders.

If your signal strength is low, see “Satellite Signal Troubleshooting,” on see page 28.

Repeat Satellite Dish Guided Setup. After selecting this, you need to enter a safety code (press THUMBS DOWN three times, then press ENTER). This option lets you repeat Satellite Dish Guided Setup. For more information, see page 25.

Reset Satellite Information. Only use this feature if directed to do so by a professional installer or a DIRECTV customer care representative. In most cases, you can use Satellite Dish Guided Setup, rather than this option.



► Phone Connection

The DVR makes a daily call to communicate with the DIRECTV® DVR with TiVo® service, so a telephone line should be connected to it. The DVR occasionally makes a brief phone call to get updates to the DVR service, Showcases, and pay per view functionality. You can see details of the daily call on the Phone Connection screen, including the time of the last successful call and last call attempt, and the status of the last call.

Below the call details are the menu options Change Dialing Options, Make Test Call and Make Daily Call Now. If your area code has changed and/or you need to choose a different dial-in number, you will need to change your dialing options. You should make a test call after any changes to your dialing options.

Make Test Call. After selecting Make Test Call, the Test Phone Connection screen will display and the call will start automatically. When the call has finished, press SELECT to continue.

Make Daily Call Now. Under normal use, you do not need to make the daily call manually. However, for troubleshooting or other unusual circumstances, you may wish to use this option.

After you start the call, the status indicator reads “Starting Up.” The status will update as it cycles through various states. You can watch TV and use your DVR while the call is in progress. The DVR typically uses the phone for less than ten minutes during a daily call.

Change Dialing Options. Selecting this displays the Phone Dialing Options screen, from which you can change the following settings:



Your DVR should NOT be used with any digital PBX phone system. For more information, see page 3.



► Phone Dialing Options

Set Dial-In Number. The number your DVR is currently using to call the DVR service is displayed on the Phone Dialing Options screen. To change it:

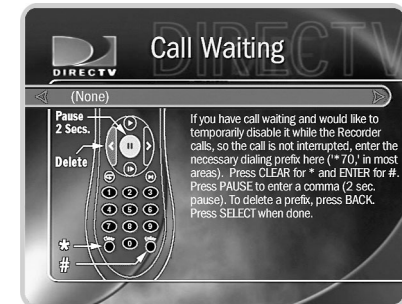
1. Select Set Dial-In Number on the Phone Dialing Options screen.
2. Use the number keypad on the remote to set the area code, then press SELECT. If you changed the area code, or if the DVR has not made a daily call in the last twenty-four hours, the Update Numbers screen appears and the DVR calls the DVR service. After the phone call, press SELECT. The Dial-In Number screen appears.
3. Use the UP/DOWN arrow to choose one of the numbers on the Dial-In Number screen. The DVR will use this number to access the DVR service. After you press SELECT, the Dialing Format screen will appear.
 - If your area code has no access numbers, you can press the LEFT arrow to return to the Area Code screen and try to enter a nearby area code.
 - If none of the numbers listed on the Dial-In Number screen are in your local calling area, select “None of the Above.” The No Local Numbers screen will appear.
4. The No Local Numbers screen appears if you selected None of the above on the Dial-In Numbers screen. Select Request 800 number authorization on the No Local Numbers screen. This temporarily authorizes you to use the toll-free number and submits a request to DIRECTV Customer Care. It is the current policy of DIRECTV to allow you to use the toll-free number if there are no local numbers available. DIRECTV will research available dial-in numbers at your location and send a message to your DVR authorizing you to use the toll-free number, or suggesting a local alternative.

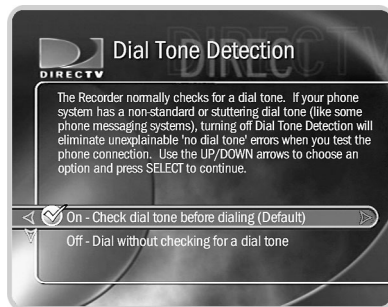
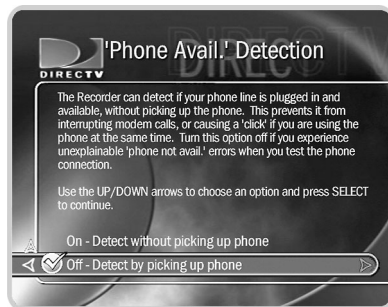
5. The Dialing Format screen appears after you have chosen a dial-in number. You should use this screen to tell the DVR which dialing format to use. For example, should the dial-in number be preceded by your area code and should a “1” precede the area code? In some areas, even local numbers must be dialed using the area code. Press SELECT to return to the Phone Dialing Options screen.
6. To test your new dial-in number, select “Test Phone Connection Now.” The Test Phone Connection screen appears and a test phone call begins. When the call completes, you should see the message “Test Succeeded!” Press SELECT to return to Phone Dialing Options. (If the phone call does not succeed, see troubleshooting on page 132.)

Set Dial Prefix. You can use this screen to specify a prefix if the DVR needs to use one to reach an outside line (for example, the DVR may need to dial “9” before it dials out). Use the number keys on the remote control to enter the prefix. Press the PAUSE button after you have entered the prefix. This will insert a comma, which will create a two second pause after the prefix is dialed. If you make a mistake, use the BACK button to backspace.

Set Call Waiting Prefix. If you have call waiting, you may choose to disable it while the DVR is making a call, so that the DVR’s phone call is not interrupted. If you do not disable it, the DVR may drop the call and allow the second call to ring through, depending on your phone system. The DVR will then try its call again later. The most common code that phone companies use to disable call waiting is *70. Sometimes a comma is needed (*70). Check with your phone company to find out how to disable call waiting in your area. If you make a mistake, use the BACK button to backspace.

Set Tone/Pulse. If your phone system uses pulse dialing, rather than tone dialing, you can change the setting here.





With Dial Tone Detection and 'Phone Avail.' Detection both

turned off, if you happen to be talking on the phone when the DVR tries to call you will hear the modem dial and try to communicate with the server.

Set 'Phone Avail.' Detection. Off by default. When Set 'Phone Avail.' Detection is on, the DVR determines whether the phone line is in use by detecting voltage on the line. This allows it to avoid disrupting a call in progress (such as another modem call). However, if you are experiencing "Failed, Line unavailable" errors, or if the DVR is not making daily calls, you may have a low-voltage phone system that the DVR cannot detect. In this case, try selecting "Off" for 'Phone Avail.' Detection.

With 'Phone Avail.' Detection turned off, the DVR must pick up the line to check for a dial tone. If you are on the phone when the DVR tries to call, you may hear a click on the line. If you have another modem call in progress (on your computer or other device), that call may be disrupted if the DVR attempts to make a service call.

If you turn off 'Phone Avail.' Detection and you have a standard dial-tone, turn on Dial Tone Detection (described next).

Set Dial Tone Detection. On by default. When this is on, the DVR checks for a dial tone before dialing. If this is on and you have a non-standard dial tone (for example, an analog PBX system), or a stuttering dial tone (as some voice messaging systems have), the DVR will be unable to detect the dial tone and will not make its daily call.

► **Phone Troubleshooting**

This screen provides a list of hints for troubleshooting problems with your phone connection. To view all of the hints, use the CHAN DOWN button to scroll down the page; use the CHAN UP button to scroll up the page.

► **Remote Control Setup**

You can set your remote control to control power, muting and volume on your TV or A/V Receiver. See page 111 for instructions.

► **Time Zone/Daylight Savings**

DIRECTV sets the time on your DVR to be accurate at your billing address. If you temporarily move the DVR to a new location, you can change the time zone here. After changing the time zone, you can change the Daylight Savings setting.

► **Replace Access Card**

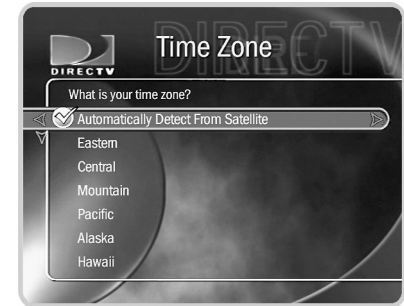
If you need to replace your DIRECTV access card, follow the on-screen instructions.

► **System Test**

System Test runs tests on the DVR's signal, tuning, access card and phone connection, then shows whether or not the test succeeded. You can also see the ID Number for your DIRECTV access card on this screen. The tests begin as soon as the screen appears.

If the tests succeed, press SELECT to return to Recorder & Phone Setup. If the tests fail, press SELECT to retry them or LEFT arrow to return to Recorder & Phone Setup.

- If the Signal or Tuning test failed, you need to troubleshoot the signal from your satellite dish antenna. For hints, see "Satellite Signal Troubleshooting" on page 28.
- If the Access Card test failed, check your Access Card. The proper side of the Access Card should be inserted firmly into the slot on the front of the DVR. If you have inserted the correct card firmly, and the Access Card test is still failing, see the Customer Care information on the back of this manual.
- If the phone connection test fails, see page 132 in the Troubleshooting chapter.





Remember, you can use CHAN UP/

DOWN to see text below or above

what is displaying on the current screen.

►► System Information

This is where you can find the DVR's serial number, Receiver ID number, the manufacturer and model number, the software version, information about recent service calls, and the DVR's storage capacity. You'll need some of this information if you call Customer Care for support. You can use CHAN UP/DOWN to see all of the screen.

►► Troubleshooting

► **Parental Controls Troubleshooting**

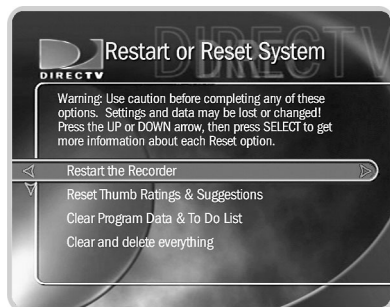
This screen provides a brief description of how to use Parental Controls. Use CHAN UP/DOWN to see all of the text on the screen.

► **Phone Troubleshooting**

This screen provides tips to help you troubleshoot problems with your phone connection. Use CHAN UP/DOWN to see all of the text on the screen.

► **Satellite Troubleshooting**

This screen provides basic information about connections to your satellite dish antenna and dual tuner, and has some troubleshooting steps. Use CHAN UP/DOWN to see all of the text on the screen.



If you do not have the remote

control, you can also press buttons on the front of the DVR to enter the safety code. Press the INFO button three times and then press DOWN.

▶▶ Restart or Reset System

You may need to restart the DVR as a routine troubleshooting step. These options erase information and restore original factory settings. Selecting a reset option brings you to a warning screen. To continue press THUMBS DOWN three times, then press ENTER.

Restart the DVR. Shuts down the DVR and starts it up again. It will not affect recorded programs, Season Pass items, WishList searches, or TiVo Suggestions.

Reset Thumb Ratings and Suggestions. Removes all Thumb ratings and deletes the list of TiVo Suggestions under Pick Programs to Record. It does not delete TiVo Suggestions that have been recorded and are in the Now Playing List.

Clear Program Data and To Do List. Clears all program information, cancels all Season Pass items and everything in the To Do List, and removes all Thumb ratings. It does not delete programs in the Now Playing List. The DVR acquires new program guide data from the Satellite, over the next one to two days. Completing this process may take over an hour.

Clear and delete everything. Clears all Season Pass items, WishList searches, Thumb ratings, TiVo Suggestions and Now Playing List recordings, program information, and the To Do List and setup information, including the Channels You Receive and Favorite Channels lists. It also clears the current password and resets Parental Controls to the factory specified default. Completing this process may take over an hour.

Programming the Remote Control

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►► Instructions: TV Power, Volume, and TV Input

1. Go to the Remote Control Setup screen.

Press the DIRECTV button; then select “Messages & Setup,” then Recorder & Phone Setup, then Remote Control Setup. Choose which device/functions you want to control:

TO CONTROL:	TV power, volume, and mute	TV input	A/V system power, volume, and mute	A/V system volume and mute only
CHOOSE:	Remote Control–TV (power, volume, mute)	Remote Control–TV (TV Input)	Remote Control–A/V Stereo Receiver	Remote Control–A/V Stereo Receiver

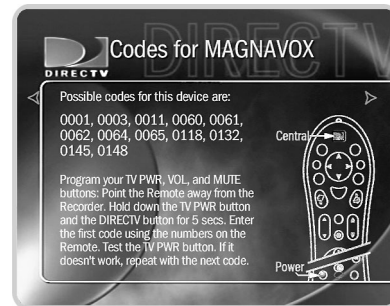
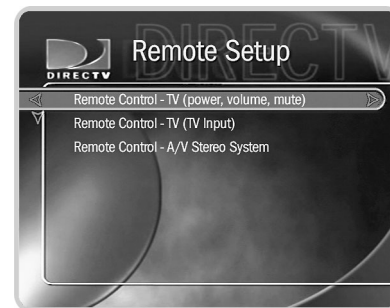
2. Select the brand of your device.

Using the UP/DOWN arrows, highlight the brand of the device you wish to control, then press SELECT. (If you have been using a universal TV remote control, select your TV or A/V receiver’s brand, not the brand of the universal remote.) Next you’ll see a screen with four-digit codes.

3. Prepare the remote control.

Point the remote away from your DVR. Refer to the table below and determine which two buttons to press to prepare the remote. Press and hold the buttons simultaneously for about 5 seconds (until the red light at the end of the remote control lights up and stays on when you release the buttons).

TO CONTROL:	TV power, volume, and mute	TV input	A/V system power, volume, and mute	A/V system volume and mute only
PRESS THE:	TV PWR and DIRECTV buttons	TV Input and DIRECTV buttons	TV PWR and DIRECTV buttons	MUTE and DIRECTV buttons



4. **Enter a code.** Use the number buttons on the remote control to enter a four-digit code (starting with the first code in the list on the screen). After you press the fourth digit of the code, the red light on the end of the remote control should flash. If it doesn't, try the next code.
5. **Test the code.** Point the remote towards the TV and test the button (refer to the table):

TO TEST THE:	TV power, volume, and mute	TV input	A/V system power, volume, and mute	A/V system volume and mute
PRESS THE:	TV PWR button	TV Input button	TV PWR buttons	MUTE button

If pressing the button works (e.g., turns the TV or A/V stereo system off, or changes the TV input), the code is correct. If it does not work, repeat steps 3 and 4 using the next code on the list. If none of the codes works, perform a code search (see below).

► **Performing a Code Search**

If none of the codes listed allows you to control your device, a code search may detect the correct code. Performing a code search can take up to 20 minutes.

1. **Prepare the remote control.** Point the remote away from your DVR.

Refer to the table below and determine which two buttons to press to prepare the remote. Press and hold the buttons simultaneously for about 5 seconds (until the red light at the end of the remote lights up and stays on when you release the buttons).

TO CONTROL:	TV power, volume, and mute	TV input	A/V system power, volume, and mute	A/V system volume and mute only
PRESS THE:	TV PWR and DIRECTV buttons	TV Input and DIRECTV buttons	TV PWR and DIRECTV buttons	MUTE and DIRECTV buttons

2. **Enter the search code.** Refer to the table below and use the number keys on your remote control to enter the appropriate code.

<i>To TEST:</i>	TV power, volume, and muting	TV input	A/V system power, volume, and mute	A/V system volume and mute only
<i>ENTER:</i>	0999	0999	1999	1999

After you press the fourth digit of the code, the red light on the end of the remote control will flash twice, then remain on.

3. **Test the remote control.** Point the remote control at the TV or A/V stereo system. Press CHAN UP. Did the TV or A/V stereo system turn off? If not, wait two or three seconds, then press CHAN UP again. Continue doing this until the TV or A/V stereo system responds.

When the TV or A/V receiver does turn off, press ENTER to select the current code. The red light at the end of the remote control will flash three times to indicate that the remote control is properly coded to control your device.

When the red light on the end of the remote control turns off, you have reached the end of the available codes.

Unfortunately, due to the great variety of TVs and A/V stereo systems, some makes and models are not compatible with your DVR's remote control. If you reach the end of the available codes without finding a code that works with your device, you will need to use your TV or A/V stereo system's remote to turn it on and off, and control the volume.

►► Resetting the Programmable Buttons

If you make a mistake, or are having difficulty, you can reset the programmable buttons. Once you do so, all the buttons on the remote will return to the unprogrammed state of a new remote.

1. **Prepare the remote control.** Point the remote away from your DVR. Press and hold the TV PWR button and DIRECTV button simultaneously until the red light at the end of the remote control comes on, remains steady, then stays on when you release the buttons.
2. **Press THUMBS DOWN three times, then press ENTER.** (To cancel, press CLEAR before you press ENTER.)

►► Setting a Remote Address

If you have two DVRs in the same house, you may want to assign a remote address to each remote control. This will prevent the crossing of signals between one DVR's remote and the other's.

1. If the DVRs are both in the same room, cover the area around the shiny, dark plastic window on the front of one DVR. You can use a dark piece of cloth, a magazine, or anything thick and opaque. This prevents the DVR from receiving signals.
2. Point the remote control at the DVR for which you want to set the remote address. Press the DIRECTV button, and select "Messages & Setup." Select "System Information," and press the DOWN arrow until you see "Remote Address."
3. Point the remote control away from the DVRs, and cover the front end of the remote with your hand. Press and hold the PAUSE and DIRECTV buttons until the red light at the end of the remote control comes on and stays on when you release them.
4. Point the remote control at the DVR for which you want to set the remote address, and press the number "1." Press the RIGHT arrow. On the screen, the "Remote Address" changes to 1. Exit System Information by pressing the DIRECTV button.
5. Repeat steps 1-4 on the second DVR and its remote control, pressing the number 2 for the second remote address.

The remote controls are now set to send signals exclusively to the DVR for which they are addressed. You may want to label the remote controls so that you remember which DVR they control. Addresses 1 to 9 are unique. 0 is a universal address, meaning it will try to control any DVR that "hears" its signal.



If you do not exit system

information before you go to step

5, you may transmit information to the original DVR and overwrite the first address you entered.

Troubleshooting

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►► Contacting Customer Care

For questions about your SAMSUNG DVR

After checking the Troubleshooting chapter of this guide, you can call the Samsung customer care center at 1-800-726-7864 if you need help:

- Connecting your Receiver to your TV and other A/V equipment.
- With Guided Setup or daily phone calls that are failing.
- With a Receiver that does not function properly even after restarting it.
- With other questions regarding the DVR or remote control.

For questions about your DIRECTV® programming or DVR service

After checking troubleshooting, call DIRECTV Customer Care at 1-800-DIRECTV (1-800-347-3288) if you need help:

- Activating or using a feature of the DIRECTV® programming or DVR service.
- Understanding an on-screen message regarding your service.
- When you call either SAMSUNG or DIRECTV, you will need the 12 digit number on your DIRECTV access card and the make, model, serial number, and 12 digit Receiver ID number of your DVR, found on a label on the back of the DVR and on the System Information screen. (Press the DIRECTV button, then select “Messages & Setup” then “System Information.”)

Websites

You will find all of the most up to date information about DIRECTV’s products and services at the DIRECTV website, DIRECTV.com. The Samsung Electronics America website at www.samsungusa.com has links to a wide variety of products and information.

►► Questions About Installation

I do not see the Welcome screen

If you do not see the Welcome screen, you may need to change channels or change the video source your TV uses:

- If you used coaxial RF cable  to connect your DVR to the TV, make sure you're viewing the same channel (3 or 4) that you selected using the switch on the back of your DVR.
- If you used Composite Video and L/R Audio cables  to connect your DVR, make sure your TV is displaying the appropriate video source. You may need to use the "INPUT," "SOURCE," or "TV/VIDEO" button on your TV or TV's remote control to change video sources. If you are having trouble changing the video source, refer to the instructions that came with your TV.
- If you did not connect the DVR directly to the TV but are instead passing the signal through your VCR, make sure your VCR is displaying the appropriate video source. You may need to use the "Input," or "Source" button on your VCR or VCR's remote control. Also, some VCRs only pass the signal through when they are turned either on or off. If you are having trouble displaying the correct video source, refer to the instructions that came with your VCR.
- If you are still having trouble, double-check your connections.

►► Questions About Live TV (Including Satellite Signal)

During Satellite Guided Setup, the screen got stuck on the Satellite Info screen.

- Press the DIRECTV button, then select “Messages and Setup,” then select “Recorder & Phone Setup,” then “Satellite Dish Setup,” then choose “Reset Satellite Information.” The screen will warn you not to proceed unless you have been instructed to do so by a customer care representative. In this instance, it is safe to proceed past this screen without consulting Customer Care.

How do I see what’s on TV on every channel?

- From live TV, press the GUIDE button on the remote to display the program guide. You can use the CHAN UP/DOWN button to scroll the list a page at a time and use the FORWARD and BACK buttons to go forward and back in time.

How long can I pause live TV?

- You can pause for up to 30 minutes on each tuner. After 30 minutes, the video will start playing again, 30 minutes behind “real time.”

How far back can I rewind live TV?

- The length of time you can rewind depends on how long you have been watching the same channel. The recording starts over each time you change the channel, so if you have just changed the channel, you won't be able to rewind very far (the green area on the Status Bar will be very small). You can store up to 30 minutes of the current channel. If you have been watching the same channel for more than 30 minutes, you can rewind for up to 30 minutes. The same is true for two channels with dual tuner.

Can I watch TV while a program is recording?

- Yes, you can watch what is recording as it is being recorded. You can also watch any program stored in the Now Playing List while another program is being recorded. If you have dual tuner, you can record one program while watching another. See page 3 for information about Dual Tuner.
- If you have an antenna or cable signal in addition to DIRECTV® service, you can watch programs carried by that signal—without the DVR service—while your DVR is in standby mode. For more information, see page 55.

After changing the channel, how do I rewind to what I was watching before?

- You can only rewind Live TV to the point where you last changed the channel. When you change the channel, you skip ahead to the current time on the new channel, and start recording fresh, on that channel. If you are behind live TV and watching something you still want to see, you shouldn't change the channel. If you have Dual Tuner, however, you can “surf” two channels and the DVR saves up to 30 minutes of each channel's programming.

How do I know if I'm watching live or delayed TV?

- Press PLAY to bring up the Status Bar. If the white line is at the right edge of the green area, you are caught up to live TV. If the white line has green to the right of it, you are watching delayed TV. To catch up to live TV, press the ADVANCE (⏭) button.

When does the DVR get program data?

- Your DVR downloads program guide data throughout the day from your satellite connection. It takes a day or two for the DVR to get all of its guide data (up to 14 days) after you have completed Guided Setup.

How do I get back to the last channel I was watching?

- When watching live TV, typing a channel number jumps the DVR to that channel. Press ENTER/LAST if you want to go back to the prior channel.

I can't tune to one of my channels.

- You may be using a channel list that does not include the channel you want. Use the number buttons on the remote control to enter the channel number, then press the ENTER button. For more information on using a channel list, see page 89.
- The channel you want may be showing a program that exceeds a limit set with Parental Controls. In this case, you will be able to tune to the channel, but will see only a black screen with a notice that a limit has been exceeded. For more information, see page 90.
- Check to make sure you subscribe to the channel you are trying to tune to. Tune to the channel and read the message at the bottom of the screen.

I can't use the Favorite Channels channel list.

- The Favorite Channels list is empty until you put channels in it. For more information, see page 89.
- If category filtering of the guide is turned on, channels on your list of favorites may be being filtered out. You can use the guide's options to turn off filtering. See page 50.