

# Chapter 3

## Using the System

### Using the Remote Controls

The following section describes how to use the remote controls with your satellite receiver. The remote control must be in **SAT** mode for the buttons to control the satellite receiver. You can also use the remote to control your VCR and other devices. See *Control Other Devices with the Remote* on page 79.

#### **SAT Mode Button**

Press the **SAT** mode button to set the remote to **SAT** mode, to control the receiver. The **SAT** mode button's back light turns **ON** briefly to show that the remote is set to **SAT** mode.



#### **Power Buttons**

Press the blank **POWER** button to turn the TV1 or TV2 (depending on which remote is being used) **ON** or **OFF**. Press the **TV POWER** button to turn the TV on or off.

**Note:** You must program the remote to control your TV for the **TV POWER** button to work as described. See page 79 for instructions.



#### **Menu Button**

Press the **MENU** button to open the **Main Menu**.



#### **Page Up and Page Down (Arrow) Buttons**

Press the **PAGE UP** button or the **PAGE DOWN** button to move, page by page, through the **Program Guide**, a **Theme** list, a **Favorites List**, an **Event Timers** list, or a list of channels.

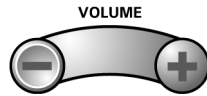
**Tip: Remote Control 1 is used to control TV1 menus on the nearby TV. Remote Control 2 is used to control TV2 menus on the remote TV(s).**



#### Mute Button

Press the MUTE button to turn off the TV sound. Press it again to restore the TV sound.

**Note:** You must program the remote to control your TV for the MUTE button to work as described. See page 79 for instructions.



#### Volume Button

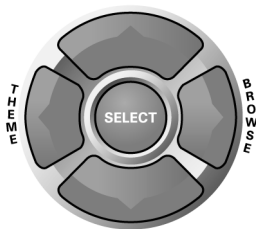
Press the minus (-) side of the VOLUME button to lower the TV volume. Press the plus (+) side of the VOLUME button to raise the TV volume.

**Note:** You must program the remote to control your TV for the VOLUME button to work as described. See page 79 for instructions.



#### Guide Button

Press the GUIDE button to open the **Program Guide**. When the **Program Guide** is open, press the GUIDE button to switch among **Favorites Lists**.



#### Arrow Buttons

- Change channels - Press the UP or DOWN ARROW button to change channels.
- Open the **Browse Banner** - Press the RIGHT ARROW button.
- Show **Themes** - Press the LEFT ARROW button.
- Move around within the **Program Guide**, menus, and **Browse Banner** - Press the UP, DOWN, LEFT, and RIGHT ARROW buttons.

TV/VIDEO



### TV/Video Button

If you connect the receiver using its back panel **TV ANTENNA/CABLE IN** and **CHANNEL 3-4** connections, use this button to switch the receiver **CHANNEL 3-4** output between the satellite programming and another video signal such as cable or broadcast TV antenna connected to the receiver's **TV ANTENNA/CABLE IN**.



### Select Button

Press the **SELECT** button to select the option you highlight in a menu.



### Recall Button

Press the **RECALL** button to go back to the last satellite receiver channel you were watching. Press it again to switch between the last two satellite receiver channels you were watching.



### Info Button

- Program information - Press the **INFO** button for more information when you watch a program, or when you have the **Program Guide**, **Browse Banner**, or **Themes** list open.
- Help - Press the **INFO** button to see help information when a **Help** button appears in a menu.



### View TV Button

Press the **VIEW TV** button to close all menus and go to watching programming. Press the **VIEW TV** button to briefly display the **Program Banner** while watching a program.



### Cancel Button

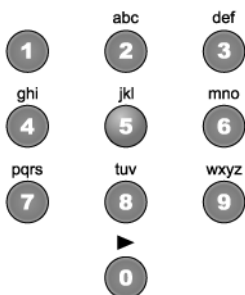
Press the **CANCEL** button to cancel and go back to the previous menu or to watch a program.



#### Dish Button

Press the DISH button to go to **Dish Home**.

**Note:** This feature may not be available now but may become available with a future software upgrade.



#### Number Pad Buttons

When watching a program or with the **Program Guide** open, use these buttons to enter a channel number to change to that channel.

- When the **Program Guide** is open, you can skip ahead and then back a number of hours. Just enter the number you want to skip ahead (or back), and then press the **RIGHT** (or **LEFT**) **ARROW** button.
- Use these buttons to enter menu option numbers instead of highlighting the option and then pressing the **SELECT** button.
- Use these buttons to enter numbers in a menu:
  - Highlight the place where you want to enter the first number, and press the appropriate number buttons on the remote.
  - Use the **LEFT** or **RIGHT ARROW** button to move the highlight to the next place where you want to enter a number. When you are done entering numbers, press **SELECT**.
- Use the letters above the **NUMBER PAD** buttons while in the **Search** menu. For example, when looking for the channel and times to watch *Rudy Fremmel Presents*, you press **7** three times for an **R**, **8** two times for a **U**, **3** one time for a **D**, and **9** three times for a **Y** to spell the word “Rudy” (see *Using Themes and Search* on page 66).



#### Star Button

Press the **STAR** button to open the **DVR Events** menu.



#### Zero Button

Press the **ZERO** button to forward space while using the search function of your receiver.

search



### Pound Button

Press the POUND button to display the **Search** screen. Also, you use this button in several procedures in this *User's Guide*.



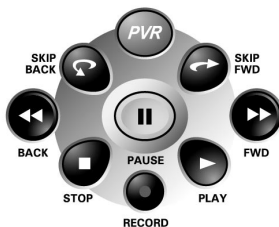
### Recover Button

Press the RECOVER button if you accidentally change the channel or video input on your TV and cannot get the picture back from your satellite receiver. When you press the RECOVER button as described below, the remote control sends commands to your TV to change channels or video inputs to try to get you back to watching satellite programming. This procedure works only if you have accidentally changed the TV channel or video input. It does not recover lost satellite signal (See *Chapter 5 - Reference* for troubleshooting information). RECOVER only works if the remote control has been set up to control the TV and/or VCR, if connected (see page 79).

**Note:** RECOVER will first try to tune your TV to channel 3, then channel 4, and then other video inputs with each press of the RECOVER button. You may need to press the RECOVER button up to 30 times to recover your satellite TV video.

1. Press and hold the RECOVER button until all four mode buttons light, and then let go of the button. The SAT mode button flashes twice and then all four mode buttons flash three times.
2. Press the RECOVER button. Wait for the TV mode button to flash once and then all four mode buttons to flash once.
3. If you see the **Important System Information** screen, press the SELECT button to close the screen. You have recovered your satellite video.
4. If you do not see the **Important System Information** screen, repeat steps 2 and 3 until you have recovered your satellite video.

**Note:** Press any remote control button other than the RECOVER button to end this procedure.



### DVR Buttons

Use these buttons to record or play back a DVR program. See *Using the DVR Features* on page 59 for details.

**Note:** Even if the top button says “PVR” instead of “DVR,” it works the same.

**Tip: Remote Control 1 is used to control TV1 menus on the nearby TV. Remote Control 2 is used to control TV2 menus on the remote TV(s).**

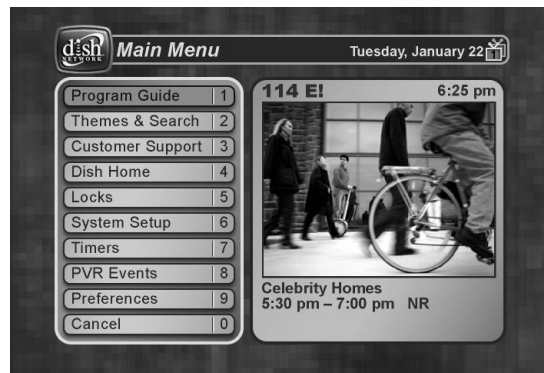
## Using the Menus

The menus make using the receiver and selecting programs quick and easy. Use the menus to control the receiver and to use its features, such as setting locks, choosing a program, or creating a favorites list.

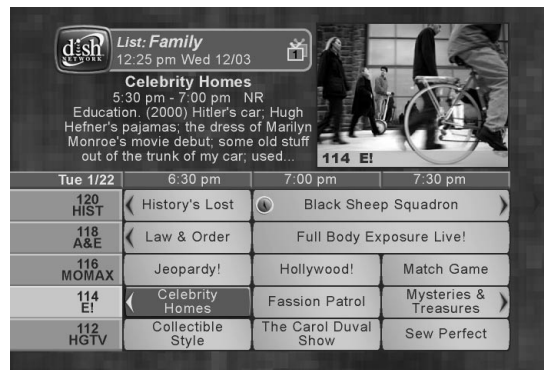
### Open and Close Menus

You can open the menus in either of two ways:

- Press the MENU button to open the **Main Menu**, then open any of the other menus from the **Main Menu**.



- Use the matching buttons on the remote control: Open the **Program Guide**.



When watching a program, open the **Themes and Search** menu.



Display the **Browse Banner**.



To close a menu and return to watching a program, press either the **VIEW TV** or **CANCEL** button.

**Note:** If you do not do anything in a menu for several minutes, the menu automatically closes. This will discard any changes you made, and display the program you were watching.

### Highlighting Menu Options

To highlight a menu option, use the remote control **ARROW** buttons to move the on-screen highlight to the menu option. When you do move the on-screen highlight, the option becomes amber. The highlight is like the one that you may have seen on a computer screen.

### Selecting Menu Options

When you select a menu option, that option takes effect right away. You can select a menu option in either of two ways:

- If the option has a number next to it, press the number on the NUMBER PAD button that matches this number. When you use the NUMBER PAD button, you do not need to highlight the option first.
- Move the highlight to the menu option using the remote control ARROW buttons. Then press the remote control SELECT button. In the example above, **Sports** is highlighted.

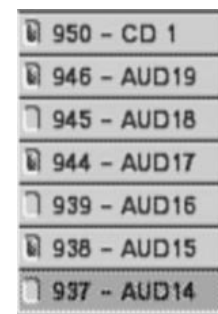


### List of Choices in the Menu

When you make a choice in a list, the receiver does not apply the change until you select the **Save** or **OK** option. If you do not want to save any changes, select the **Cancel** option to discard all the changes made in the menu.

There are two types of lists:

- A single choice list allows you to select only one choice at a time. If you select another choice, your previous choice is deselected.
- A multiple choice list allows you to select more than one choice at one time. If you select another choice, your previous choice(s) stays selected.



### Highlighting a Choice in a Menu List

Use the remote control ARROW buttons to move the highlight to the desired item in the list. The black arrows on the list show where you can move the highlight.

### Selecting a Choice in a Menu

To select a choice in a list, highlight the choice and then press the remote control **SELECT** button. Make sure you select the **Save** or **OK** option to save your choice. Select the **Cancel** or **Done** option to discard your choice.

### Canceling a Procedure

To cancel a procedure, you must press the remote control **CANCEL** or **VIEW TV** button before you do the last step of the procedure. If this does not work, you must finish the procedure.

You can cancel a procedure in any of three ways:

- If you want to return to watching a program, press the remote control **VIEW TV** button.
- If you want to return to the previous menu, press the **CANCEL** button.
- Wait a few moments and the menu will close automatically, discarding any changes you have made.



## Changing Channels

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There are three ways to change channels:

- Press the **UP** or **DOWN ARROW** buttons.
- Use the **NUMBER PAD** buttons.
- Press **GUIDE** and then select the channel from the **Program Guide**.

## Using the Program Guide

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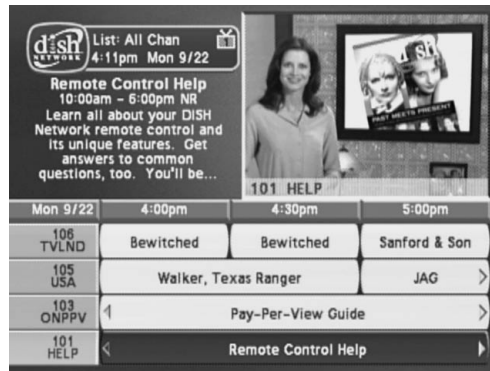
The on-screen **Program Guide** provides a complete listing of the available channels and programs. You can use the **Program Guide** to change channels, to see what programs are scheduled, and to buy pay per view programs.

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**Tip:** If the program is on a channel that is not part of your subscription, the channel will be in red.

**Tip:** When using the Program Guide, do you want to know who is in the movie you're about to watch? Press the INFO button to find out. When you're finished, press the CANCEL button to return to the Program Guide.



The **Program Guide** shows which **Favorites List** is active. If the **All Chan** list is active, the Program Guide shows all of the channels available from DISH Network. If the **All Sub** list is active, the **Program Guide** displays only the channels in your subscription. When another list is active, the **Program Guide** displays only the channels in that list. For more information, see *Using Favorites Lists* on page 50. The **Program Guide** shows programs that are on now and that are scheduled up to two days in advance. The guide does not show programs that have ended.

### Changing the Channel in the Program Guide

1. Press **GUIDE** to open the **Program Guide**.



2. Choose a channel using either of the following:
  - Use the **NUMBER PAD** buttons to enter the channel number. The **Program Guide** displays a block of channels including the one that you just entered.
  - Use the **ARROW** buttons to move the highlight to the channel.
3. Press the **SELECT** button to change to the new channel.
4. Press the **CANCEL** button to close the **Program Guide** without changing the channel.



### Scrolling Through the Program Guide

There are two ways to scroll through the **Program Guide**:

- Scroll by channel - Press the **PAGE UP** or **PAGE DOWN** button to scan, page by page, through the listing of channels.
- Scroll by time - Enter the number of hours that you want to skip, using the **NUMBER PAD** buttons. Then, press the **LEFT** or **RIGHT ARROW** button.
- Scroll by day - Press **SKIP FWD** to scroll ahead in the **Program Guide** 24 hours each time you press the button. After you skip ahead at least one day in the **Program Guide**, press **SKIP BACK** to scroll back 24 hours each time you press the button (until you are on the current date).



## Displaying Program Information

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### The Program Banner

The **Program Banner** provides information about the program you are watching. The receiver displays the **Program Banner** for a few seconds at the top of the TV screen every time you change the channel or press the remote control **VIEW TV** button.



**Tip: Selecting a program that is not on yet will open the Timers menu. See page 53 for information on setting timers.**



### The Browse Banner

You can use the **Browse Banner** to change channels, or to see what other programs are available without changing the program that you are watching. The receiver displays information on the program you are watching at the top and **Browse Banner** information at the bottom of the TV screen.



**Note:** If the **All Chan Favorite** List is active, the **Browse Banner** displays all the channels. If the **All Sub** list is active, the **Browse Banner** displays only the channels in your subscription. If a **Favorites List** is active, the **Browse Banner** displays only the channels in that list.

If you have set up the **Program Guide** to hide adult channels and the receiver is locked, the **Browse Banner** does not display such channels.

### Using the Browse Banner

1. Press the BROWSE (RIGHT ARROW) button to open the **Browse Banner**.

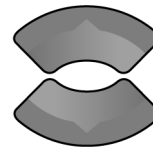


**Tip:** When using the **Browse Banner**, do you want to know when the movie you're about to watch was made? Press the **INFO** button to find out. When you're finished, press the **CANCEL** button to return to the **Browse Banner**.



2. Change the channel displayed on the **Browse Banner** by doing one of the following:

- Enter the channel number for the program that you want, using the **NUMBER PAD** buttons.
- Press the **UP** or **DOWN ARROW** to display the next channel.

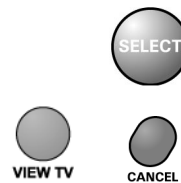


3. Press the **RIGHT ARROW** button multiple times to highlight the next programs. Press the **LEFT ARROW** button to return to the current program.



4. Close the **Browse Banner** by doing one of the following:

- Press the **SELECT** button to watch the program.
- Press the **VIEW TV** or **CANCEL** button to close the Browse Banner without changing the channel.



**Tip:** If you choose a program that is on next, you'll see a Timers menu. See page 53 for more information.

### Ordering Pay Per View Programs

1. Highlight the desired pay per view program in the **Program Guide** and press the **SELECT** button. A message like the following displays:



- To buy the pay per view program, select the **Yes** option. The receiver displays a confirmation menu.

**Note:** Once you confirm an order for a pay per view program, you cannot cancel the order and you will be billed for it.

Select **Yes** if you want to confirm your purchase. If you do not want to purchase the pay per view program, select the **No** or **Cancel** option.

## Using Favorites Lists

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**Favorites Lists** are lists of your favorite channels. You can create and change the lists yourself, adding and removing channels as you wish. Your favorite channels can be grouped into no more than four lists. For example, one **Favorites List** could have 100 channels and a second list only 10. Or all four lists could have 50 channels each.

- When you make a **Favorites List** active, the **Program Guide** displays only the channels in that list. Also, the receiver skips channels that are not on the list when you use the remote control **UP** or **DOWN ARROW** button to change channels.
- The **All Chan Favorites List** contains all the channels. You cannot make any changes to the **All Chan** list.
- The **All Sub Favorites List** contains all the channels in your subscription. You cannot make any changes to the **All Sub** list, except by changing your subscription.
- Each **Favorites List** has a unique color in the **Program Guide**. You can give each list a name. When you first get the receiver, the four lists are named **List 1**, **List 2**, **List 3**, and **List 4**. The lists are empty until you add channels to them.

**Note:** If you choose a program using **Theme**, the receiver tunes to the channel for that program whether or not that channel is on the active **Favorites List**.

## Creating or Changing a Favorites List

You can create, add channels to, and remove channels from a **Favorites List**.

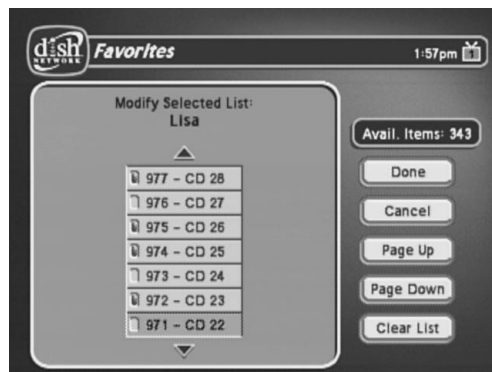
1. Press the MENU-8-3 to open **Favorites**.



2. Select the **Favorites List** that you want to create or change.

**Note:** You cannot modify the **All Chan** or **All Sub** lists.

3. Select **Modify List**.



4. In the **Channels** list, highlight a channel you want to add to the **Favorites List**.
5. Press **SELECT** to add the highlighted channel to the **Favorites List**. A dot appears next to the channel.
6. Repeat steps 4 and 5 until you have added all the channels that you want.
7. To delete a channel from the **Favorites Lists**, select the channel in the list. The dot next to the channel disappears.
8. Select the **Done** option to save all changes to the **Favorites List**.

**Note:** If you try to save a **Favorites List** with no channels, you will see an error message.

#### Naming a Favorites List

1. Press MENU-8-3 to open **Favorites**.
2. Select the **Favorites List** that you want to change.
3. Select the **Edit List Name** option.  
**Note:** You cannot change the name of the **All Chan** or **All Sub** list.
4. Enter the list's name by doing one of the following:
  - Use the virtual keyboard to type the list's name.
  - Use the remote control **NUMBER PAD** to enter the letters in the **Enter List Name** box. Numbers 2 through 9 have telephone-style numbers written above them. To enter an **H**, for example, press 4 twice because H is the second letter listed above the 4 on the **NUMBER PAD**.



- You can enter up to eight characters, including spaces. If needed, select the space option to insert a space in the name or the **Back** option to correct a letter.

**Note:** A list must have at least one character. Two lists cannot have the same name. TV1 and TV2 can have lists with the same names.

**Note:** At any time, you can select the **Clear Entry** option to clear the name.

5. Select the **Done** option to save all changes.

#### Making a Favorites List Active

If the **Program Guide** is open, press the **GUIDE** button to select the next **Favorites List**. Press the **GUIDE** button repeatedly to scan through all the available lists.

**Note:** This works only if you have added channels to the **Favorites List**. If you have not created any **Favorites List**, pressing the **GUIDE** button switches the receiver between the **All Chan** and **All Sub**.

## Using Timers

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Event timers let you set up the receiver to tune in future programs and/or record them with the DVR features. An “event” is a program, sports event, pay per view movie, or anything else on satellite TV.

- You can set a one-time event timer with **Quick Record**.
- You can set an automatic event timer for a program listed with start and stop times in the **Program Guide**. This can be a program that comes on each day or each week.
- You can edit and delete timers from both TV outputs.
- A manual event timer lets you set custom start and stop times for a timer.

### Event Timer Types

**DVR** - Reminds you that a program is about to start, tunes the receiver to the program when it begins, and starts recording the event.

**Auto-Tune** - Reminds you that a program is about to start and tunes the receiver to the program when it begins.

**Reminder** - Reminds you that a program is about to start.

### Event Timer Frequency

**Once** - Applies to a one-time program. The receiver deletes this timer when the timer operates.

**Mon.-Fri.** - Applies to a program that is scheduled for Monday through Friday on the same channel at the same time each day.

**Daily** - Applies to a program that is scheduled for Monday through Sunday on the same channel at the same time each day.

**Weekly** - Applies to a program that is scheduled for once a week on the same channel at the same time on the same day.

### Before an Event Timer Operates

Two minutes before an event timer operates, the receiver displays a small clock on the TV screen. This clock disappears when the program begins. While the clock is displayed, you may do either one of the following:

- Press the **CANCEL** button to clear the symbol from the TV screen. This does not affect the timer; it will operate.
- Press the **INFO** button to see more information on the event timer. If you do this, you will have the following choices:
  - Select the **OK** or **Cancel** option to continue with the event timer.



**Remember: Most TV programs and films are copyrighted. In some cases, copyright law may apply to private, in-home recording.**

- Select the **Stop Timer** or **No** option to stop the event timer.

**Note:** This stops only this instance of a **Mon.-Fri.**, **Daily** or **Weekly** timer. The timer will operate the next time it is scheduled. To stop all operations of such a timer, you must delete the timer. For a **Reminder Event Timer**, instead of having the option to stop the timer, you have the option to tune to the program.

### Using Quick Record

You can use Quick Record to very quickly set a one-time, one-program **DVR Event Timer**.

1. Select a program you want to watch.
2. Press the **RECORD** button.



3. When the **Record Remainder of This Event** screen displays, do one of the following:
  - Select **OK** to start the recording now.
  - Select **Options** to customize the **Quick Recording** features.



- **Stop Recording Manually** - The receiver will record until you press STOP.
- **Extend End Time** - You can set the stop time for the recording.
- **Create a Recurring Timer** - You can set up a timer like the one described in *Setting Up an Automatic Event Timer*.
- **Record the Entire Event** - The receiver stops recording at the end of the event.

### Setting Up an Automatic Event Timer

1. Select a future program using the **Browse Banner**, **Themes** menu or the **Program Guide**.



2. Select a **Timer Frequency** option. Notice that a mark displays in the box.
3. Select a **Timer Type**.
4. Select the **Create** option to save the event timer.
5. The receiver displays a timer symbol in the **Program Guide**.



**Tip: You can edit and delete timers from either TV output.**

**Tip: Remote Control 1 is used to control TV1 menus on the nearby TV. Remote Control 2 is used to control TV2 menus on the remote TV(s).**

**Tip:** You can edit and delete timers from either TV output.

**Tip:** Use the **PAGE UP** and **PAGE DOWN** buttons to scroll quickly through the channel list.

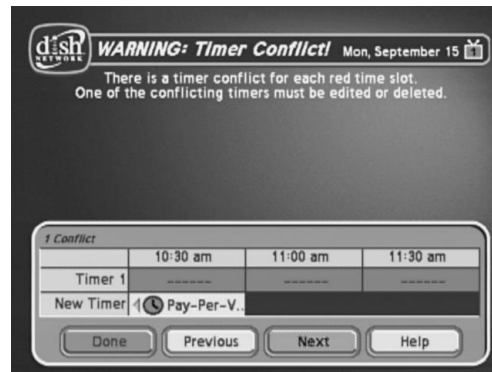
### Setting Up a Manual Event Timer

1. Press the **MENU** button.
2. Select the **Timers** option.
3. Select the **Create** option. The receiver displays the **Create a Manual Event Timer** menu.
4. Select a **Timer Type** option.
5. Select a **Timer Frequency** option.
6. Select a channel by doing one of the following:
  - Highlight a channel using the **UP** or **DOWN ARROW** button. Then, press the **SELECT** button.
  - Enter a channel number using the **NUMBER PAD** buttons.
7. Select the **Set Date/Time** option. The receiver displays the **Set Date/Time for Manual Timer** menu.
8. Use the **NUMBER PAD** buttons to enter the **Start Time** (this includes selecting **AM** or **PM**) and the **End Time**, (this includes selecting **AM** or **PM**).
9. Use the **NUMBER PAD** buttons to enter the **Date**.
10. Select the **Create Timer** option.
11. To create another event timer, do one of the following:
  - Select the **Create** option again.
  - If you do not want to create another event timer, press the **CANCEL** button.

**Note:** You cannot set a manual event timer for a pay per view event.

### Overlapping Timers

If you try to create event timers for overlapping programs, the receiver displays a screen with the dates and times of both programs. The receiver also displays this screen if a program time has changed, causing one timer to overlap another. You must delete or edit one of the timers.



When the **Timer Conflict** screen displays, resolve the conflict by doing the following:

1. Select one of the timers. The **Timer Conflict Resolution** screen displays.



2. When the **Timer Conflict Resolution** displays, select one of the following choices:
  - **Delete This Timer** - Removes the timer completely.
  - **Edit This Timer** - You can edit the timer to resolve the conflict.
  - **Skip This Timer Once** - Select this option if you are creating a timer for a special program (**Once**) and have a timer set for a program you watch regularly (**Mon.-Fri**, **Daily**, or **Weekly**). For example, you want to set a timer for an awards show (**Once**), but it conflicts with the timer for a news program (**Mon.-Fri**, **Daily**, or **Weekly**). Select the timer for the news program and then select **Skip This Timer Once**.
3. Select **Yes** to close the **Timer Conflict Resolution** screen.
4. Select **Done**.

**Tip:** You can edit and delete timers from either TV output.

## Maximum Number of Event Timers

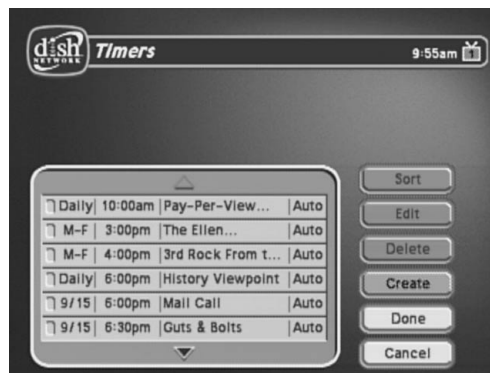
You can create a limited number of event timers. If you try to create more, the receiver displays a menu giving you the option to delete an existing timer. If you do not delete an existing timer, you will not be able to create any new ones.

## Reviewing and Editing Event Timers

**From either TV1 or TV2:** You can review and edit both automatic and manual event timers. If you need to change an event timer, you can edit almost any feature of an event timer.

**Note:** If you edit an automatic timer, it becomes a manual timer. The manual event timer operates at the times you set, not the actual program times.

1. Press the **MENU** button.
2. Select the **Timers** option. The receiver displays the **Timers** menu.



3. Select the event timer that you want to edit. A mark appears in the box next to the event timer.
4. Select the **Edit** option. You may change the **Timer Type**, **Timer Frequency**, or **Channel**. To do this, select each option that you want.
5. If you want to change the **Start Time**, the **End Time**, or the **Date**, select the **Set Date/Time** option to display the **Set Date/Time for Manual Timer** menu. Otherwise, skip to step 9 of this procedure.
6. Use the number buttons to enter the **Start Time** (this includes selecting AM or PM) and the **End Time** (this includes selecting AM or PM).
7. Use the **number pad** buttons to enter the **Date**.
8. Select the **Create Timer** option.

## Deleting an Event Timer

1. Press the MENU button.
2. Select the **Timers** option.  
The receiver displays the **Timers** menu.
3. Select an event timer(s) that you want to delete. A check mark appears in the box next to the event timer(s).
4. Move the highlight to **Delete** and press SELECT on the remote.

**Tip:** You can edit and delete timers from either TV output.

## Special Considerations When Using Event Timers

- **For Locked Programs** - You must enter the receiver password before you can create an automatic event timer. You can create a manual event timer for a locked program without entering the password. However, if you do this, when the event timer operates the receiver may display only an error or password entry menu.
- **For Pay Per View Programs** - You must order a pay per view program before you can create a timer for it.
- **For Blacked Out Programs** - If you set a timer for a program that is blacked out in your area, when the event timer operates the receiver may display only an error or password entry menu. If you have set a **VCR Event Timer**, the VCR will record only that menu.

## Event Timer Performance when the Receiver is Off

If the receiver is OFF at the time an Auto-Tune or DVR Event Timer is scheduled to operate, the receiver will turn ON.

## Using the DVR Features

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Most satellite TV programs and films are copyrighted. In some cases, copyright law may apply to private, in-home recording.

The DVR features let *you* decide how to watch TV. You can pause, reverse, or skip back through a program. Then you can go back to watch, fast forward, or skip ahead through the program. Also, you can *record* and *play back* programs with full digital audio and video quality, *without* a VCR.

## Auto Recording

If you get a phone call while you watch a live program, you can pause the program, answer the phone, go back to watch the program, and not miss *any* of the action.

**Tip:** Auto recording is what happens automatically while you're watching a program. It includes features like PAUSE, BACK, SKIP BACK, FORWARD and SKIP FWD.

You can pause, reverse, or skip back through a live program. Then you can go back to watch, fast forward, or skip ahead through the program.

You can also use slow motion forward and backward, and frame advance and reverse while using the DVR's auto recording feature.

For more information, please see *Use Auto Recording*.

### On-Demand Recording

You can record a program that is on now or a future program to watch later, or you can keep your recording.

You can pause, go back to play, reverse, skip back, fast forward, or skip ahead through a recorded program.

You can also use slow motion forward and backward, and frame advance and reverse while using the DVR's auto recording feature.

You can play back a program you already recorded and record a new program at the *same* time.

### Use Auto Recording

Turn the receiver on and tune it to a channel. Then you can use the remote control's DVR buttons.

**Note:** When you press any one of these buttons, you'll see a small sign on the TV screen.

Press the PAUSE button to pause the program. Press this button *again* to watch the program from where it paused.



**Note:** For a "live" program, the on-screen pause timer shows how long you've paused the program. If you've paused the program more than once, the pause timer shows the *total* time you've paused. If you pause after you reverse or forward, the pause timer shows how far you're behind the "live" program.

Press the BACK button *once* to reverse the program four times as fast as normal play. Press the BACK button *twice* to reverse at 15 times normal speed, *three times* to reverse at 60 times normal speed, and *four times* to reverse at 300 times normal speed. The on-screen bar shows how far you've gone.



Press the PAUSE button and then press the BACK button to reverse the program in slow motion. Press the BACK button *once* to reverse the program 1/4 the speed as normal play. Press the BACK button *twice* to reverse at normal speed.

Press the FWD ("FORWARD") button *once* to forward the program four times as fast as normal play. Press the FWD button *twice* to forward at 15 times normal speed, *three times* to forward at 60 times normal speed, and *four times* to forward at 300 times normal speed. The on-screen bar shows how far you've gone.



Press the PAUSE button and then press the FWD button to forward the program in slow motion. When you press the FWD button once the program advances at 1/15 the speed of normal play. Press the FWD button twice to forward at 1/4 as fast as normal play. Press the FWD button three times to play the program.

**Note:** Of course, you *can't* “forward” into the part of a “live” program that hasn't been broadcast yet.

Press the PLAY button to watch the program. Also, press this button to switch from pause, forward, or reverse to play.



Press the SKIP BACK button to skip back about ten seconds in a recorded program. Press this button *again* to skip back again.



Press the PAUSE button and then press the skip back button to reverse the recording one frame at a time.

Press the SKIP AHEAD button to skip ahead about 30 seconds in the program. Press this button again to skip ahead again.



Press the PAUSE button and then press SKIP AHEAD to advance the recording one frame at time.

Press the VIEW TV button to catch up with the program as it's showing now.

### Use On-Demand Recording

Turn the receiver on and tune it to a channel.

**Note:** If you record a locked program while you have the receiver locked, you'll have to enter the password to play back that program.

#### Start Recording a Program

- *At a program's start*, press the remote control's RECORD button.  
*If you've watched a program from its start, up to about one hour after it's started, you can reverse to its start:*



1. Press the BACK button.
2. Let the program reverse to its start.
3. Press the RECORD button. You'll get *all* of the program on your recording.



**Note:** If you don't tune to a program until *after* it starts, you can record *only* the part of the program that comes *after* you tune to it.

### Stop Recording a Program

- Press the remote control's STOP button.



When you press the RECORD button, the receiver stops recording at the end of the program. You can use an *Event Timer* to start and stop the recording:



- Use *Quick Record* to set a one-time DVR event timer for a future program.
- Set an *automatic* DVR event timer to record a future program that comes on each day or each week.
- Set a *manual* DVR event timer to make a future recording with start and stop times you set. This lets you record part of a program or a block of several programs, one after the other.

### Use the DVR Recorded Events Menu

Press the DVR button to open the **DVR Events** menu, which shows all of the **DVR Events** recorded on the receiver. You can edit, delete, and protect any event shown on the menu.



**Tip:** Press DVR on the remote to see a list of the events you've recorded. To view one of these events, just select it. You can then start the recording, start over, stop or resume play.



- If you hide adult channels and lock the receiver, this menu doesn't list any adult programs by name.
- To review programs you have recorded or have scheduled to record with the DVR features, use this menu.

The **DVR Recorded Events** menu shows you:

- A list of recorded events that includes the one you're recording now, if any.  
**Note:** You can sort events either by date or the name of the event.
- **If you select any one of the events on the DVR Recorded Events menu** (even an event you're recording), you open an **information menu** for that event.





**Note:** This is just an example of the information menu. The information menu shows *only* the options for the event you select. For a different event, you'll see different options. You'll see some (not all) of the options we list below. You won't see an option to start recording; to do that, you must press the remote control RECORD button or set an event timer.

**Note:** If you record a locked program while you have the receiver locked, you'll have to enter the password to play back that program.

There are several choices you can make from the **DVR Events** screen:

- **Sort** - You can sort your **DVR Events** by **Alphanumerics, Movies, Series/Specials, Sports, Date, Length,** or **Protected.**
- **Edit** - You can edit or delete **DVR Events.**
- **Timers** - When you select the **Timers** option, the **Timers** screen opens.

### While Playing Back or Recording an Event

- Press the **PAUSE** button to pause the play back. Press this button *again* to go on with the play back.   
PAUSE
- Press the **BACK** button *once* to reverse the program four times as fast as normal play. Press the **BACK** button *twice* to reverse at 15 times normal speed, *three times* to reverse at 60 times normal speed, and *four times* to reverse at 300 times normal speed.   
BACK
- Press the **PAUSE** button and then press the **BACK** button to reverse the program in slow motion. Press the **BACK** button once to reverse the program 1/4 the speed as normal play. Press the **BACK** button twice to reverse at normal speed.
- Press the **FWD** ("FORWARD") button *once* to forward the program four times as fast as normal play. Press the **FWD** button *twice* to forward at 15 times normal speed, *three times* to forward at 60 times normal speed, and *four times* to forward at 300 times normal speed.   
FWD
- Press the **PAUSE** button and then press the **FWD** button to forward the program in slow motion. When you press the **FWD** button once the program advances at 1/15 the speed of normal play. Press the **FWD** button twice to forward at 1/4 as fast as normal play. Press the **FWD** button three times to play the program.  
**Note:** Of course, you can watch *any* part of an event you've already recorded.
- Press the **PLAY** button to play back or go on with a paused play back. Also, press this button to switch from fast forward or reverse back to normal play back.   
PLAY

**Tip:** With the DVR receiver, you can even watch one recorded event while recording another at the same time!

- Press the **SKIP BACK** button to skip back about ten seconds in the event. Press this button *again* to skip back again.
- Press the **PAUSE** button and then press the **SKIP BACK** button to reverse the recording one frame at a time.
- Press the **SKIP AHEAD** button to skip ahead about 30 seconds in the event. Press this button *again* to skip ahead again.
- Press the **PAUSE** button and then press the **SKIP AHEAD** button to advance the recording one frame at a time.
- Press the **STOP** button to stop play back.



### Play Back a Recorded Event and Record Another Event

1. Set up the receiver to make an on-demand recording.  
**Note:** You can press the **RECORD** button or you can use any kind of event timer *except* a VCR event timer.
2. Press the **DVR** button. This opens the **DVR Events** menu.



3. Select an event on the **DVR Events** menu (*not* the one you're recording). This opens an information menu for that event.
4. Press the **PLAY** button.

## More About the DVR Features

### Auto Recording

- *Whenever* you turn the receiver on, it's auto recording.
- With auto record, you can record up to *about* an hour of a program. This total recording time applies to auto recording only.
- The receiver needs more room to record programs with more action. So, the total recording time *isn't* exact.
- After *about* an hour, the receiver starts to *record over* its oldest audio and video to have room for new audio and video.
- If one program ends and the next one starts on the *same* channel, the receiver continues to record the next program.
- If you *change* the channel, you *erase* the recorded audio and video, and start recording the new channel.

### On-Demand Recording

- On-demand recording works *only* when you set it up.
- The receiver *must* have enough room to record:
  - When you make a one-time DVR recording, you can set the receiver to ask you *before* it records over what you record. This is how you "protect" a recorded event. You can protect an event from either TV output.
  - If the receiver needs room to record a new event, it'll *record over* the oldest "unprotected" recorded event(s) to make room.
  - If the receiver is out of room, and you don't let it record over any old recorded events, it *won't* be able to record a new event.
  - To free up space on the receiver, you can erase events by opening the **Events Information** menu and selecting the **Erase** option. You can erase events from either TV output.

**Tip:** If you want to archive an event to save it for a long time, you can move it from the receiver to a VCR.

## Copy Recordings to Videotape

You may want to keep a videotape copy of a recording you made on the DVR. Or, if the receiver is out of room, maybe you'll want to move recordings to a videotape to store them.



Many satellite TV programs and films are copyrighted. In some cases, copyright law may apply to private, in-home recording.

You will *not* be able to play back events with full digital audio and video quality from a videotape.

### Here's what to do:

1. Connect the receiver's back panel audio/video outputs to the VCR's audio/video inputs.
2. Put a rewind tape into the VCR.
3. Turn the VCR on.
4. Press the remote control DVR button. This opens the **DVR Recorded Events** menu.
5. Select an event on the **DVR Recorded Events** menu. This opens an information menu for that event.
6. Start the VCR to record onto the tape.
7. On the event's information menu, select the **Start** option. The receiver begins to play back the event.
8. When the play back is done, stop the VCR.



## Using Themes and Search

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The **Themes and Search** feature of your receiver makes it easy to find programs to watch. This menu allows you to search for programming by themes (movies, sports, etc.) or by key words used in the program information.

### Themes

You can list and choose programs by the theme of their contents, for example, just movies or just sports. You can then quickly list programs based on that theme, and choose the program you want.

1. Open the **Themes and Search** menu by doing one of the following:

- While watching a program, press the LEFT ARROW button.
- Press the MENU button, and then select the **Themes and Search** option.



2. Select the option for a category.
3. Select the desired program in the program list.

**Note:** If the program you highlighted is on some time in the future, the receiver will open the **Create An Event Timer** menu. See *Using Timers* on page 53 for more information.

### Search

1. Open the **Search** screen by doing one of the following:

- Press the **Pound (#)** button on the remote control.
- While watching a program, press the LEFT ARROW button to display the **Themes and Search** menu. The select **Search**.
- Press the MENU button, and then select the **Themes** option to display the **Themes and Search** menu. The select **Search**.

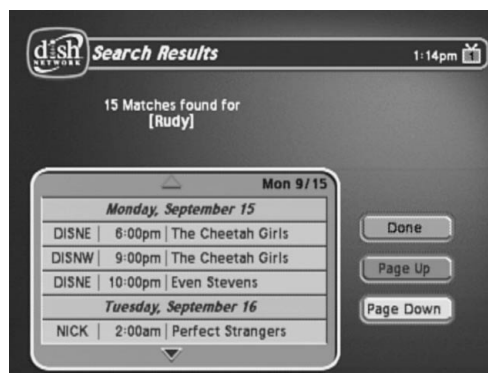


**Tip: Use Search History instead of the keyboard if you've searched for the program or information before.**

- The **Search** screen displays with a virtual keyboard.



- You can search for events two ways:
  - Select **Title** to search for the words that appear in the title of a program.
  - Select **Info** to search for words that are in the program description.
- Enter the information in that space provided in one of two ways:
  - Use the virtual keyboard to type the information in the space provided.
  - Use the letters above the **NUMBER PAD** buttons while in the **Search** menu. For example, when looking for the channel and times to watch *Rudy Fremmel Presents*, you press **7** three times for an **R**, **8** two times for a **U**, **3** one time for a **D**, and **9** three times for a **Y** to spell the word “Rudy.”
- Select **Search**.



- When the receiver displays the **Search Results** you have the following options:
  - Use the **UP** and **DOWN ARROW** buttons to scroll through the results.
  - Use the **PAGE UP** and **PAGE DOWN** buttons to scroll a page at a time.
  - Select **Page Up** or **Page Down** to scroll a page at a time.

7. Select one of the programs to watch, or select **Done** to close the **Search Results** screen.

**Note:** If you select a program that is on now, the receiver tunes to that program. If you select a program that is on in the future, you will have to set a timer. See page 53 for more information on event timers.

## Search History

After you have searched for programs or other information, your receiver builds a history. TV1 and TV2 keep separate **Search History** information. You can use the **Search History** instead of typing the information again with the virtual keyboard.

1. Press the POUND (#) button to open the **Search** screen.
2. Select **History** to display the **Search History** screen.



3. At the **Search History** screen, you have the following options:
  - **Search** - Select one of the items and then select **Search**.
  - **Edit** - Select one of the items and then select **Edit** to make changes.
  - **Delete** - Select one of the items and then select **Delete**.
  - **Delete All** - Select **Delete All** to clear the **Search History**.

## Using Locks



When you unlock programming delivered by the TV2 outputs to your in-home cabling system, you are allowing all TVs connected to your in-home cabling system to have access to this programming. In this case, you must rely on the V-Chip technology and settings in the individual TVs to prevent viewing of inappropriate programming. Consult your TV user's guides for instructions to set up V-Chip protection.

**Note:** Locks for programming on the TV1 outputs for the nearby TV are set using the TV1 menus. Locks for programming on the TV2 outputs to remote TVs are set using the TV2 menus. The section below applies to locks set by either TV1 or TV2 menus. Locks set for TV1 programming are separate from locks set for TV2 programming.

### How to Set Locks: A Two Step Process

1. Create the locks that you want.
2. Lock the receiver.

When the receiver is locked, anyone who wants to access locked items must enter the password.

### When You Have Locked the Receiver

- If you try to access a locked item or open the **Locks** menu, the receiver displays a message prompting you to enter the password.
- The receiver allows you three tries to enter the correct password. If you fail to enter the correct password, the receiver does not allow more tries for several minutes.
- If you enter the correct password, you can access the locked item or open the **Locks** menu.
- If you exit a locked item or close the **Locks** menu, you must enter the password to access the item.

### Locking and Unlocking the Receiver

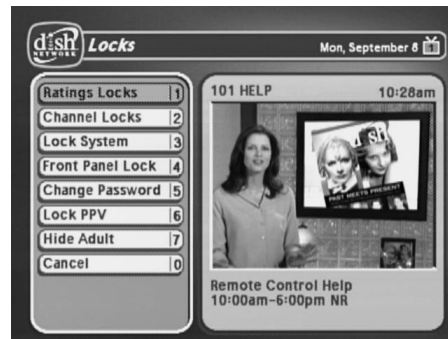
You must lock the receiver for any receiver **Locks** you set to take effect. To lock the receiver, you must first create a password. If you forget your password, you will need to speak with a Customer Service Representative. If you have a Personal Identification Number (PIN), you will need to give it to the Customer Service Representative. See page 76 for information on PINs.

1. Press the MENU button to display the **Main Menu**.
2. Select the **Locks** option to display the **Locks** menu.

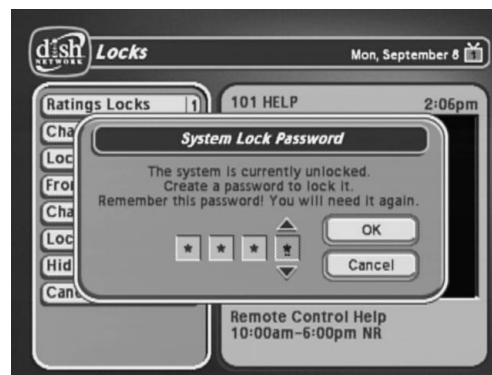
**Note:** If the receiver displays a message prompting you to enter a password, the receiver has already been locked.

**Note:** If you want to unlock the receiver or any specific lock, use the password for the TV output you're watching. For example, use TV1's password to unlock TV1's locks and TV2's password for TV2's locks.





3. Select the **Lock System** or **Unlock System** option. The receiver displays a message prompting you to enter a password to lock the system.

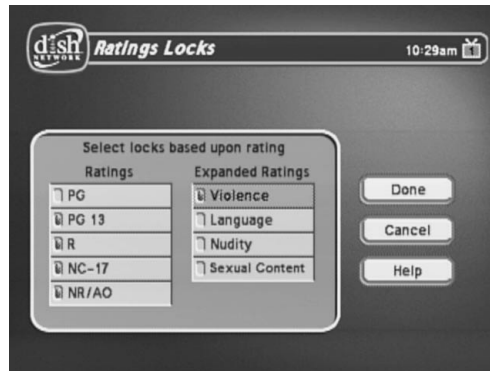


4. Enter and verify a password, using the NUMBER PAD buttons. The receiver displays stars (\*) as you enter the digits of the password.
5. Memorize your password. From now on, you must enter this password to lock or unlock the receiver.
6. Select the OK option. Confirm the password by re-entering it. All the locks you have set are now in effect.

### Creating or Changing Rating (Content) Code Locks

1. Press the MENU button.
2. Select the **Locks** option.
3. If the receiver is locked, enter the password using the number pad buttons. The receiver displays stars (\*) as you enter the digits of the password. As soon as you enter the fourth digit of the password, the receiver highlights the **OK** option. Press the **SELECT** button.

4. Select the **Ratings Locks** option.



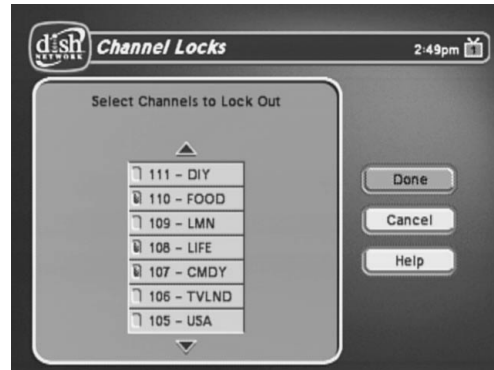
5. Highlight the rating that corresponds to the lowest acceptable audience age. Press the **SELECT** button to lock the highlighted rating.  
**Note:** All ratings that are more restrictive than the selected rating are also selected. For example, if you lock PG-13 rated programs, then all programs with the R, NC-17, and NR/AO ratings are also locked.
6. Select the expanded rating code(s), if you want to also lock these ratings.
7. To unlock a rating code, highlight the code and press **SELECT**.
8. Select the **Save** option to save the changes.
9. If the receiver is not locked, you must lock it to put the locks you just created into effect.

### Creating or Changing Channel Locks

You can lock any channel, including pay per view channels.

1. Press the **Menu** button.
2. Select the **Locks** option.
3. If the receiver is locked, enter the password using the number pad buttons. The receiver displays stars (\*) as you enter the digits of the password. As soon as you enter the fourth digit of the password, the receiver highlights the **OK** option. Press the **SELECT** button.

4. Select the **Channel Locks** option.

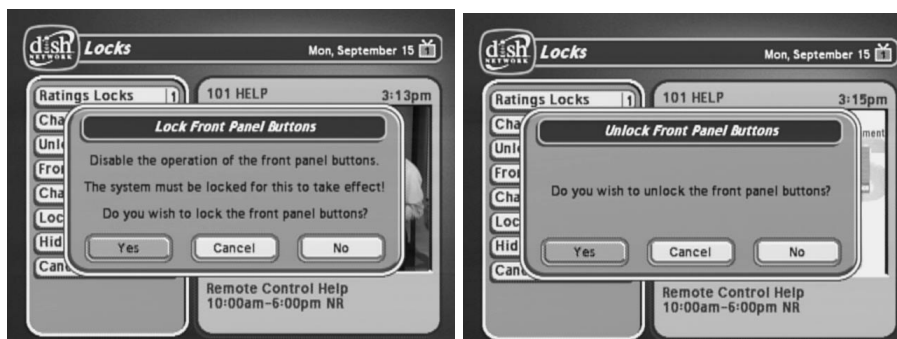


5. Highlight the channel that you want to lock. If necessary, press the **UP** or **DOWN ARROW** button to see the channel. You can also enter each channel number using the **NUMBER PAD** buttons.
6. Press the **SELECT** button to lock or unlock the highlighted channel. If the checkbox next to the channel has a checkmark, the channel is locked.
7. Select the **Save** option to save the changes.
8. If the receiver is not already locked, you must lock it to put the locks you just created into effect.

### Locking and Unlocking the Receiver Front Panel (TV1 Only)

This keeps anyone from using the front panel buttons, but it does not lock the remote control buttons. This option is only available on TV1 menus.

1. Press the **MENU** button.
2. Select the **Locks** option.
3. If the receiver is locked, enter the password using the **NUMBER PAD** buttons. The receiver displays stars (\*) as you enter the digits of the password. As soon as you enter the fourth digit of the password, the receiver highlights the **OK** option. Press the **SELECT** button.
4. Select the **Front Panel Lock** option to lock or unlock the front panel.



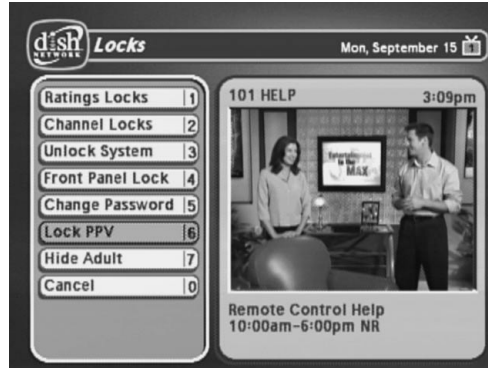
**Tip: Remote Control 1 is used to control TV1 menus on the nearby TV. Remote Control 2 is used to control TV2 menus on the remote TV(s).**

5. Select the **Yes** option.
6. To activate the front panel lock, you must lock the receiver.

### Locking and Unlocking Pay Per View Channels

This locks all pay per view channels. You also can lock one or more pay per view channels by using channel locks or rating locks.

1. Press the **MENU** button.
2. Select the **Locks** option.
3. If the receiver is locked, enter the password using the **NUMBER PAD** buttons. The receiver displays stars (\*) as you enter the digits of the password. As soon as you enter the fourth digit of the password, the receiver highlights the **OK** option. Press the **SELECT** button.
4. Select the **Lock PPV** or **Unlock PPV** option.



5. If the receiver is not locked, you must lock it to put the lock you just created into effect.

### Hiding and Showing Adult Channels

When you hide adult channels, you keep the **Program Guide**, **Themes** lists, and the **Browse Banner** from displaying adult channels. It also keeps anyone from choosing such channels by using the **UP** or **DOWN ARROW** buttons or the remote control **NUMBER PAD** buttons.

1. Press the **MENU** button.
2. Select the **Locks** option.
3. If the receiver is locked, enter the password using the **NUMBER PAD** buttons. The receiver displays stars (\*) as you enter the digits of the password. As soon as you enter the fourth digit of the password, the receiver highlights the **OK** option. Press the **SELECT** button.

4. Select the **Hide Adult** or **Show Adult** option.

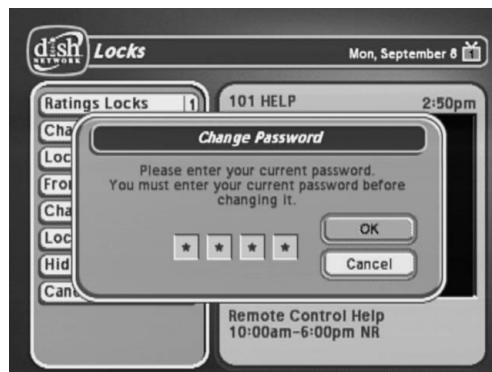


### Changing the Receiver Password

1. Press the MENU button.
2. Select the **Locks** option.

If the receiver is locked, enter the password using the NUMBER PAD buttons. The receiver displays stars (\*) as you enter the digits of the password. As soon as you enter the fourth digit of the password, the receiver highlights the **OK** option.

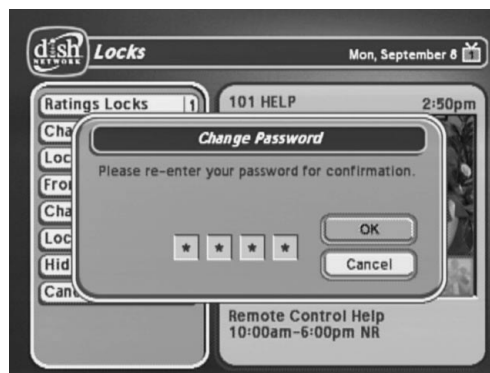
3. Press the SELECT button.
4. Select the **Change Password** option.



5. Enter the current password using the number pad buttons. As soon as you enter the fourth digit of the password, the receiver highlights the **OK** option.
6. Press the SELECT button.
7. Enter the new password using the number pad buttons. As soon as you enter the fourth digit of the password, the receiver highlights the **OK**.



8. Select the **OK** option to change the password.
9. Enter the new password again for confirmation, using the **NUMBER PAD** buttons. The receiver displays stars (\*) as you enter the digits of the password. As soon as you enter the fourth digit of the password, the receiver highlights the **OK** option. Press the **SELECT** button.



10. Memorize the new password. From now on, you must enter this password to lock or unlock the receiver.

## Personal Identification Number

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You can set up a Personal Identification Number (PIN) for call-in requests only. Anyone calling the Customer Service Center must provide this PIN to make any changes to your account. You may call the Customer Service Center at any time to set up a PIN.

If you forget your PIN, you will need to speak with a Customer Service Representative. The representative may ask for more information to make sure that you are authorized to make changes to your account.

## Using Caller ID

**Caller ID** displays on your TV the names of people as they call you if you subscribe to **Caller ID** from your local phone company. To use this feature, make sure you have a phone line connected to the receiver and that the **Caller ID** feature is enabled. After you turn on **Caller ID**, it stays on until you decide to turn it off.

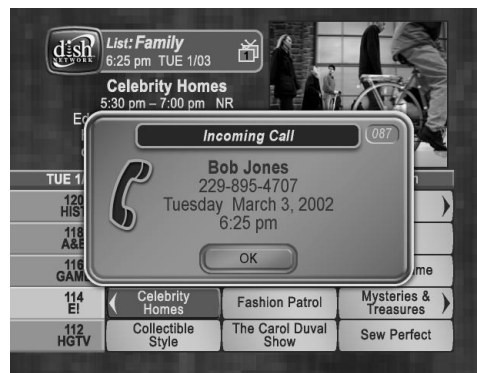
### Caller ID Screens

When you receive a call, you will see a **Caller ID** popup screen.



You can select **OK** to eliminate the message. If you do nothing, it will disappear after 20 seconds.

If you are in a menu when a call comes in, you will see a different **Caller ID** popup screen.



### Turning Caller ID On and Off

1. Press **MENU** on the Remote Control.
2. Select **System Setup**.
3. Select **Installation**.

**MENU**

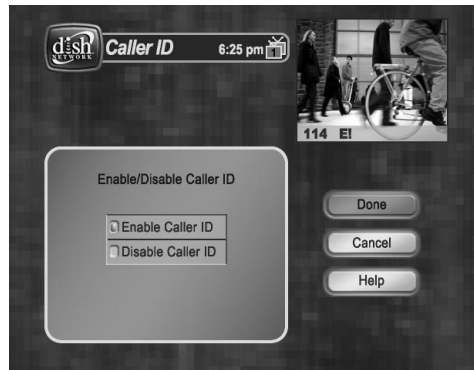


mno



4. Select **Caller ID**.

abc  
2



5. Select **Enable Caller ID** or select **Disable Caller ID**.
6. Select **Done**.

## Resetting the Receiver

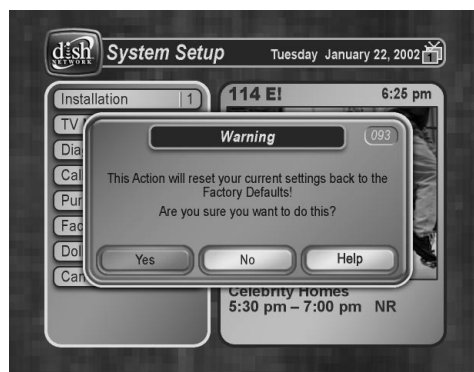
**Note:** Resetting the receiver discards all **Favorite Lists** except the **All Chan** and **All Sub** lists.

**Note:** If you have set any locks on the receiver, and the receiver is locked, these locks will be kept. If the receiver is unlocked, any such locks will be lost. You cannot reset the receiver to default settings to discard a password you have forgotten. Nobody can reset the receiver to bypass a receiver lock.

If you want to reset the receiver to be the same as when it was shipped from the factory, do the following:

1. Press the **MENU** button.
2. Select the **System Setup** option.
3. Select the **Factory Defaults** option. When the receiver displays a **Warning** message, confirm that you want to reset the receiver.

MENU  
≡  
mno  
6  
mno  
6



4. Select the **Yes** option to confirm the reset.

## Changing Program Languages

You may be able to change the language of some programs. An alternate language may not be available for all programs. Some programs, such as movies, show at the start whether an alternate language is available. An alternate language applies only to the audio part of a program and does not change the language used in the menus displayed by the receiver.

1. Press the **MENU** button.
2. Select the **Preferences** option.
3. Select the **Alternate Audio** option.



4. Select the language you want in the **Languages** list.
5. Select the **Save** option to save your language choice. The receiver displays the **System Setup** menu.

## Control Other Devices with the Remote Controls

This section describes how to use Remote Control 1 or Remote Control 2 to control with a TV, a VCR, or other devices. For information on how to use the remote to control the receiver, see *Using the Remote Controls* on page 37. You can set up both remote controls to control the satellite TV receiver and up three other devices each. These devices can be a TV, a VCR or DVD player, and a third device.

Where the word “remote” is used in the following section, it applies to both Remote Control 1 and Remote Control 2.

**Tip: Remote Control 1 is used to control TV1 menus on the nearby TV. Remote Control 2 is used to control TV2 menus on the remote TV(s).**

#### Remote Control Modes

You can set the remote to four different modes to control the receiver or other devices. When you get the remote it's already set up to control the receiver. You must set up the remote to control a device like a TV or a VCR. See *Set Up the Remote to Control Other Devices*, below.

Use the remote control's mode buttons, SAT (satellite receiver), TV (for a TV), VCR (for a VCR or a DVD player), and AUX ("auxiliary," for a second TV, a second VCR, a tuner, or an audio amplifier) to set the remote to the right mode for the device. To change the mode, press the button for the device you want the remote to control. The mode button lights for two seconds to show you've set the remote to that mode.

#### Limited Mode

You can program your remote control in limited mode to keep from accidentally changing the channel on your TV or VCR. When you use the remote to control your TV in limited mode, you will only be able to use the POWER, MUTE, and VOLUME buttons. Also, when you use the remote to control your VCR in limited mode, you will only be able to use the power and VCR function buttons. The section *Setting Up the Remote to Control Other Devices* has a step that tells the remote control to go into limited mode.

#### Set Up the Remotes to Control Other Devices

Over the next few pages we tell you how to use the remote to control a TV, a VCR, a DVD player, a tuner, or an amplifier.

To use the remote to control other devices, you must first program it to control these other devices. You can do this by either following the instructions in *Set Up the Remote Control* below, or the *Scan for Device Codes* procedure described on page 81.

#### Set Up the Remote Control

1. Turn the device on. Use the device's front panel buttons or its remote control.
2. Find the brand name of the device in the tables starting on page 119. If the brand isn't listed, see *Scan for Device Codes* on page 81.
3. Press and hold the mode button until all the other mode buttons light up, and then let go of the button. For example, hold the TV mode button for a TV until all of the other mode buttons light. When you let go, the TV mode light will flash.

The mode button flashes.

## Control Other Devices with the Remote Controls

4. *For AUX mode only:*
    - Press 0 for a second TV.
    - Press 1 for a second VCR or DVD player.
    - Press 2 - for a tuner or amplifier.
  5. Enter one of the three-digit device codes from the table using the number buttons.
  6. If you want to program limited mode, press 1. If not, skip to step 7.
  7. Press the POUND (#) button.
  8. Press the blank POWER button to turn off the device. If the device does not turn off, go to step 10.
  9. Turn the device back on and try some other buttons to make sure they work. If the code works for other buttons, stop here.
  10. If the code doesn't work, redo steps 3 through 9 with another device code from the tables.
  11. If you can't find a code that works try *Scan for Device Codes* that follows.
- This step is for programming which kind of device that should be programmed in AUX mode. If you're not programming in AUX mode, skip to step 5.
- The three-digit device code should be for the brand name of your device that you found in step 2.
- See *Limited Mode* for more information.
- If you entered the code correctly, the mode button flashes three times.
- If the code works, the device should turn off.
- Sometimes the blank POWER button works when other buttons don't.
- Try every code listed for you brand until one works for your device.

**Tip: Limited mode is not used with audio amplifiers.**

### Scan for Device Codes

If the code for your device is not listed in the tables starting on page 119, use this procedure to scan the remote control's memory for the device code.

1. Turn the device on.
  2. Press and hold the mode button until all the other mode buttons light up, and then let go of the button.
- The mode button flashes.
- Use the device's front panel buttons or its remote control.
- For example, hold the TV mode button for a TV until all of the other mode buttons light. When you let go, the TV mode light will flash.

3. *For AUX mode only.*
  - Press 0 for a second TV.
  - Press 1 for a second VCR or DVD player.
  - Press 2 for a tuner or amplifier.

This step is for programming which kind of device that should be programmed in AUX mode. If you're not programming in AUX mode, skip to step 4.
4. Press the blank POWER button.

This puts your remote in the scan mode.
5. Press the UP or DOWN ARROW button repeatedly until the device turns off.

As you press the UP or DOWN ARROW button, the remote is trying each code in the memory to see if it can turn off your device. When the device turns off, you have found a code that might work.

**Note:** The mode button for the device will flash rapidly eight times when you've scanned all the codes for that device.
6. Press the POUND (#) button.

This stores the code you found.
7. Turn the device back on and try some other buttons to make sure they work.

Press the blank POWER button to turn the device back on. Try some other buttons to make sure they work. Sometimes, the blank POWER button works when other buttons don't.
8. Repeat this procedure until you've tried all the codes.

You may need to repeat the scan to find the best code for your device.

### Check the Device Codes

You can find out what device code you've set for each remote control mode.

1. Press and hold the mode button until all the other mode buttons light up, and then let go of the button.

For example, hold the TV mode button for a TV until all of the other mode buttons light. When you let go, the TV mode light will flash.

The mode button flashes.

**Tip: Remote Control 1 is used to control TV1 menus on the nearby TV. Remote Control 2 is used to control TV2 menus on the remote TV(s).**

## Control Other Devices with the Remote Controls

2. Press the POUND (#) button twice.  
Watch the mode light to determine your code. The mode button flashes the number for each digit of the device code, with a pause between the groups of flashes. A quick flash is for zero.  

For example, if the code is 570, the mode button flashes five times, pauses, flashes seven times, pauses, and flashes once quickly.
3. For AUX mode only. The first group of flashes tells you what the AUX mode controls. A quick flash (zero) before the three-digit code is for a TV; one regular flash is for a VCR or DVD player; and two flashes is for a tuner or amplifier.  

For example, if the TV code is 570, the AUX mode button flashes once quickly (indicating 0 for TV), pauses, flashes five times, pauses, flashes seven times, pauses, and flashes once quickly.

### Remote Control Buttons

#### Control the Receiver

When you get the remote, it's already set up to control the receiver. However, you must set up the remote to control the TV before you can use the MUTE and VOLUME buttons.

For information on the remote buttons that control the receiver, see *Using the Remote Controls* on page 37.

#### Control a TV (or a Second TV)

Only the buttons described here control a TV. Some of the buttons described here may not control your TV. Please see your TV user's manual for information about the TV's features.

#### TV Mode Button

You must first set up the remote to control the TV. See *Set Up the Remote to Control Other Devices*, beginning on page 80. Then, you must press the TV mode button to set the remote to TV mode. The TV mode button lights for two seconds to show you've set the remote to TV mode. Make sure you keep the remote in TV mode to use the buttons described here.

**Note:** You can set up the remote to control a second TV in AUX mode, the same way it controls the first TV in TV mode. See *Set Up the Remote to Control Devices* beginning on page 80.

**Tip: If some of the buttons on the remote control do not control your TV and you have programmed try other codes. See page 80 for details.**

TV/VIDEO



#### TV/Video Button

If the TV has video input options, use this button to switch the TV video input.

POWER



#### Power Button

Press the TV POWER button to turn the TV on or off.

MUTE



#### Mute Button

Press the MUTE button to turn the TV sound on or off.

VOLUME



#### Volume Button

Press this button to raise (+) or lower (-) the TV sound volume.



#### Up and Down Arrow Buttons

Use the UP and DOWN ARROW buttons to change channels on the TV.

**Note:** These buttons do not change the channels on the TV if the remote control is in limited mode.



#### Select Button

The SELECT button works as the ENTER button for a TV.

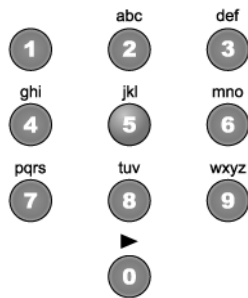


RECALL

#### Recall Button

Press the RECALL button to go back to the last TV channel you watched. Press it again to switch between the last two TV channels you watched.

## Control Other Devices with the Remote Controls



### Number Buttons

Use the NUMBER buttons to directly enter a different channel.

**Note:** These buttons do not change the channels on the TV if the remote control is in limited mode.

### Control a VCR (or a Second VCR or a DVD Player)

Only the buttons described here control a VCR or DVD player. Some of the buttons described here may not control your VCR or DVD player. See the user's manual that came with your VCR or DVD player for information about the features.

#### VCR Mode Button

You *must first* set up the remote to control the VCR. See *Set Up the Remote to Control Devices*, beginning on page 80. Then, you must press the VCR mode button to set the remote to VCR mode. The VCR mode button lights for two seconds to show you've set the remote to VCR mode. Make sure you keep the remote in VCR mode to use the buttons described here.

**Note:** You can set up the remote to control a second VCR in AUX mode, the same way it controls the first VCR in VCR mode. See *Set Up the Remote to Control Devices* beginning on page 80.

**Note:** You *must* set the remote to VCR mode to set it up to control a DVD player. Once you do this, you *must* set the remote to VCR mode to control a DVD player.

#### TV/Video Button

Use the TV/VIDEO button to switch the VCR between its TV mode and its VCR mode (see your VCR user's manual for information).

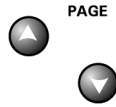
#### Power Button

Press the blank POWER button to turn the VCR on or off.



#### Mute Button

Press the MUTE button to turn the TV sound off or on.



#### Page Up and Down Arrow Buttons

Use the PAGE UP and DOWN ARROW buttons to change channels on the VCR.

**Note:** If you are using the remote control in limited mode, the VCR will not change channels.



#### Recall Button

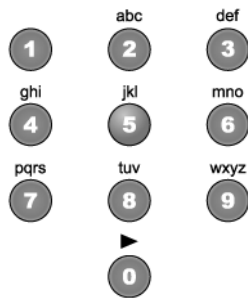
Press the RECALL button to go back to the last VCR channel you used. Press it again to switch between the last two VCR channels you used.

#### VCR Buttons

- Press the BACK button to rewind a videotape.
- Press the PAUSE button to pause a videotape. Press this button or the PLAY button to go back to playing the tape.
- Press the FWD button to forward a videotape.
- Press the STOP button to stop playing or recording on a videotape.
- Press the RECORD button to record on a videotape.
- Press the PLAY button to play or to go back to playing a videotape.



## Control Other Devices with the Remote Controls



### Number Buttons

Use the NUMBER buttons to enter channel numbers.

**Note:** If you are using the remote control in limited mode, the VCR will not change channels.

### Control a Tuner or Amplifier

*Only* the buttons described here control a tuner or amplifier. Some of the buttons described here may *not* control your tuner or amplifier. Please see the user's manual that came with your tuner or amplifier for more information.

#### **AUX Mode Button**

You *must* first set up the remote to control the device. See *Set Up the Remote to Control Devices*, beginning on page 80. Then, you *must* press the AUX mode button to set the remote to AUX mode. The AUX mode button flashes once to show you've set the remote to AUX mode. Make sure you keep the remote in AUX mode to use the buttons described here.



#### **Power Button**

Press the blank POWER button to turn the tuner or amplifier on or off.



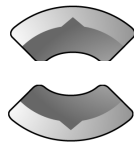
#### **Mute Button**

Press the MUTE button to turn the sound off or on.



#### **Volume Button**

Press the VOLUME button to raise (+) or lower (-) the volume.



### Up and Down Arrow Buttons

Use UP and DOWN ARROW buttons to change channels on the tuner or amplifier.



### Select Button

The SELECT button works as the INPUT SELECT button for the tuner or amplifier.

## Other Remote Control Features

### Switch Between TV and AUX Device Volume Control

When you set up the remote to control a TV, the mute and volume buttons control the TV volume. However, if you want to use the AUX mode to control a tuner or amplifier and the device has a volume setting, you can set up the remote to control the device's volume instead of the TV volume.

#### To set the remote to control the device's volume:

1. Press and hold the AUX mode button for three seconds, and then release it. The AUX mode button will blink.



2. Press the POUND (#) button.



3. Press the plus (+) side of the VOLUME button.



4. Press the 0 number button.



5. Press the POUND (#) button.  
The AUX mode button flashes three times.



6. Press the SAT mode button.

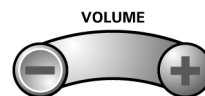


7. Press the plus (+) and minus (-) sides of the VOLUME button.  
The device's volume changes and the AUX mode button lights instead of the TV mode button.



### To set the remote back to control the TV volume:

1. Press and hold the TV mode button for three seconds, and then release it. The TV mode button will blink.
2. Press the POUND (#) button.
3. Press the plus (+) side of the VOLUME button.
4. Press the 0 number button.
5. Press the POUND (#) button.  
The TV mode button flashes three times.
6. Press the SAT mode button.
7. Press the plus (+) and minus (-) sides of the VOLUME button.  
The TV's volume changes and the TV mode button lights instead of the AUX mode button.



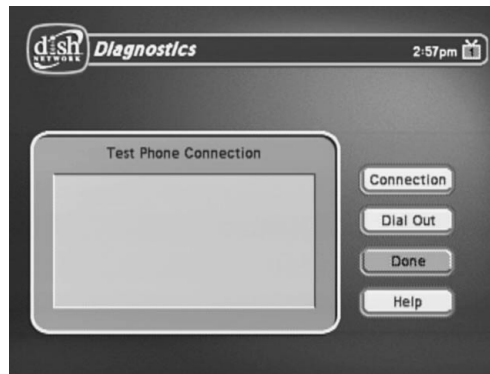
## Testing the System

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### Starting a Test

1. Press the MENU button.
2. Select the **System Setup** option.
3. Select the **Diagnostics** option.





### Telephone Connection Test

This test checks that the receiver telephone connection is correct. Select the **Connection** option to begin the test. The receiver displays a message asking you to wait until the test is done.

- If the telephone connection is correct, the receiver displays a **Phone Connection OK** message.
- If the receiver highlights the **Done** option, you must choose the **Dial Out** option so the receiver can make a toll-free call to the Customer Service Center. Press the remote control **SELECT** button to start the call. The receiver displays a message asking you to wait until the call is done. When the call is done, select the **Done** option to exit the test menu.
- If the telephone line is not connected properly, the receiver displays a failure message. In this case, check the telephone connection and then repeat the test.

**Note:** If you have the receiver connected to a DSL (Digital Subscriber Line) phone line, it may cause this test to fail. If so, you will need to install a DSL filter between the receiver and the phone jack on the wall. You should be able to get a DSL filter from your DSL provider, or your local electronic parts store.