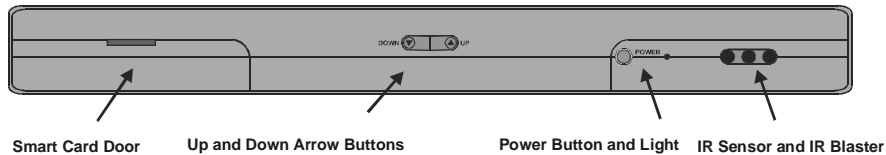


Chapter 2

Parts of the System

THE RECEIVER FRONT PANEL



SMART CARD DOOR

Behind this door is a slot for a future smart card. No smart card is included with this receiver.

UP AND DOWN ARROW BUTTONS

The UP and DOWN buttons change the channel on the receiver.

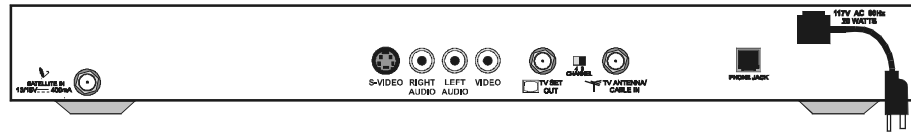
IR SENSOR AND IR BLASTER

The IR Sensor receives IR signals from the remote control. For information on the IR Blasters, see page 38, *Setting Up the Receiver and VCR to use VCR Event Timers*.

POWER BUTTON AND LIGHT

This green light on the front panel lights up when you turn the receiver ON and goes out when you turn the receiver OFF.

THE RECEIVER BACK PANEL



The back panel of the receiver provides the connections that you use to connect the receiver to other electronic devices. It also provides the receiver power cord and telephone jack. Depending on the setup that you use, you may only use some of these connections. For information on wiring and wiring diagrams, see the installation instructions in *Chapter 4*.

COAXIAL CONNECTIONS

The three coaxial connections on the back of your receiver are color coded. When you install your receiver or if you ever have to move it, the color coding will make it easier for you to connect the cables to the back of your receiver. Inside the front cover of this guide are stickers that are color coded the same way as the coaxial connections. See *Chapter 4* for instructions on connecting your receiver to other electronic devices using coaxial cables.

Tighten the coaxial cable connections only by hand.

Tip: Using cable labels makes it easy to tell which cables connect to the right receiver ports.

SATELLITE

Connect the coaxial cable between the satellite dish and the receiver using this input. The **SATELLITE IN** connection is color coded blue.



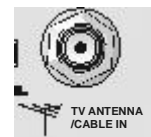
TV SET OUT CONNECTION

Connect the coaxial cable between the receiver and TV using this input. The **TV SET OUT** connection is color coded white.



TV ANTENNA/CABLE IN

If you connect a cable TV box or a broadcast TV antenna to the receiver, use the back panel **TV ANTENNA/CABLE IN** connection for the local signal. The **TV/ANTENNA CABLE IN** connection is color coded black. See page 9 for information on how to use this input.



PHONO (RCA) AUDIO/VIDEO OUTPUTS

The back panel **PHONO (RCA) AUDIO/VIDEO** outputs provide good picture quality and stereo sound. If the TV has only one input for this type of audio, connect it to the right (R) phono (RCA) audio output on the receiver.



If you use the **PHONO (RCA) AUDIO/VIDEO** outputs to connect the receiver with other devices, you may need to use the menus displayed by each device to change the input from local broadcast TV to satellite TV. See the user manuals that came with the other devices for more information.

SUPER VIDEO (S-VIDEO) OUTPUT

The receiver provides S-Video, which supports the highest quality video available. If you use this back panel output for video, you must connect the audio using the **PHONO (RCA) AUDIO OUTPUTS**.



S VIDEO

CHANNEL 3/4 SWITCH

If you use the **TV SET OUT** to connect the receiver to a television, set this switch to the channel for the signal output. Select a channel that is not being used by a cable or local television channel.



4 3
CHANNEL

TELEPHONE JACK

Connect a telephone cable with a standard RJ-11 telephone connector to the receiver here, and then connect the cable to an active telephone line.



PHONE
JACK

Note: The receiver *must* be connected at all times to an active telephone line. If you install two or more receivers, each receiver *must* be connected at all times to an active telephone line.

THE REMOTE CONTROL

This section describes the remote control and how to use the buttons to operate the satellite receiver.

For information on using the remote to control other devices, go to the section titled *Control Other Devices with the Remote*, beginning on page 50.

If you lose or damage the remote control, you will not be fully able to control the receiver. If this happens, call the Customer Service Center at 1-800-333-DISH (3474) to order a replacement.

Tip: If you use the **TV Set Out** connection, you must keep the TV tuned to either channel 3 or 4 to watch satellite channels. You must also set the receiver back panel Channel 3/4 Switch to match this channel.

Tip: If you have the receiver connected to a DSL (Digital Subscriber Line) phone line and it cannot dial out, you may have to install a DSL filter between the receiver and the telephone jack on the wall.

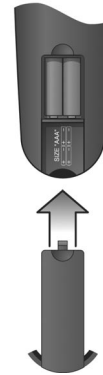
Note: This remote control shown here is for example only. The remote that came with the receiver may look slightly different.



REMOTE CONTROL BATTERIES

The remote control comes with AAA batteries. When you replace old batteries, you should replace *all* of the batteries. Use batteries of the same kind, *for example* alkaline or carbon zinc, and *don't* mix batteries of different kinds. Alkaline batteries last longer.

1. Press down on the top of the battery cover and slide the cover off.
2. Take out all of the old batteries.
3. Put the new batteries in. Make sure you match the plus (“+”) ends with the plus markings inside the battery case.
4. Fit the battery cover’s bottom tab back into the slot at the bottom of the battery case, and slide the cover back into place.



USING THE REMOTE CONTROL

The following section describes how to use the remote control with your satellite receiver. If you want to use the remote to control your VCR and other devices, see *Control Other Devices with the Remote* on page 50.

SAT MODE BUTTON

Press this 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.

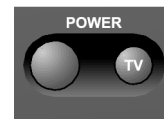


Note: Make sure to keep the remote in **SAT** mode to use the buttons that are described here.

POWER BUTTONS

Press the blank **POWER** button to turn the receiver **ON** or **OFF**.

Press the **TV POWER** button to turn the **TV ON** and **OFF** even when the remote control is in **SAT** mode.



TV/VIDEO BUTTON

If you connect the receiver using its back panel **TV ANTENNA/CABLE IN** and **TV SET OUT** connections, use this button to switch the receiver between the satellite programming and another video signal routed into the receiver’s **TV ANTENNA/CABLE IN** input, such as cable or broadcast TV antenna input.



Tip: The arrow buttons can be used to quickly navigate through menus and the program guide. When you find a program or menu option you would like to access, just press **SELECT**.

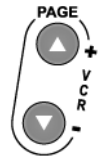
MENU BUTTON

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



PAGE UP AND PAGE DOWN (ARROW) BUTTONS

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



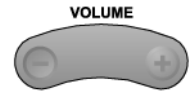
MUTE BUTTON

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



VOLUME BUTTON

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



Note: You must program the remote to control your TV for the **VOLUME** and **MUTE** buttons to work as described.

Note: You can program this button to control the volume on a TV or amplifier. See *Using TV or Amplifier Volume* on page 57 for instructions.

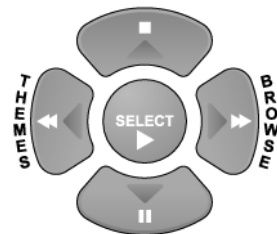
GUIDE BUTTON

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



UP/DOWN/LEFT/RIGHT (ARROW) BUTTONS

- When using a menu, press these buttons to move the highlight to an option.
- When watching a program, press the **RIGHT ARROW** button to open the **Browse Banner** or the **UP** or **DOWN ARROW** button to change channels.
- When the **Browse Banner** is open, press the **UP** or **DOWN ARROW** button to see the **Browse Banner** for the next channels.



Note: The **Browse Banner**, like the **Program Guide**, shows information on current and future programs. It cannot show information on programs that have ended.

- When a menu offers a list of choices, press the UP or DOWN ARROW button to see more choices.
- When the **Program Guide** is open, press these buttons to move the highlight among the programs.
- When the **Browse Banner** is open, press the RIGHT or LEFT ARROW button to obtain information on the next program that will be on that channel.
- When watching a program, press the LEFT ARROW button to open the **Theme Categories** menu.

SELECT BUTTON

Press the SELECT button to select a highlighted option or program in a menu.



RECALL BUTTON

Press the RECALL button to return to the last channel you were watching. Press it again to switch between the last two channels that you watched.



INFORMATION (INFO) BUTTON

Press this button for more information when the **Program Guide** or the **Browse Banner** is open, or when watching a program.



- When a menu is open that includes a **Help** option, press this button to see help information for that menu.
- Highlight a program in a **Theme Categories** list and then press this button for more information on that program.
- When the receiver is OFF, press this button to open the **Important System Information** menu.

VIEW TV BUTTON

Press this button to return to watching a program.



- If you are watching a program, press this button to briefly display the **Program Banner**.
- While using any menu, press this button to cancel a procedure and return to watching a program.

Tip: To open some of the menus, use the matching buttons on the remote control. For example, press the LEFT ARROW button to quickly open the Themes Menu.

Tip: When you're in the Program Guide, a Theme Category or a Favorites List use the Information button to get a description of the program, the names of the actors, and other important details.

Tip: You can quickly change channels by using the **NUMBER** buttons on the remote. Just enter the numbers for the channel you would like to view next.

CANCEL BUTTON

Press this button to cancel a procedure and to return to the previous menu or to watching a program.



SYSTEM INFORMATION BUTTON

Press this button to open the **Important System Information** screen.



RECORD BUTTON

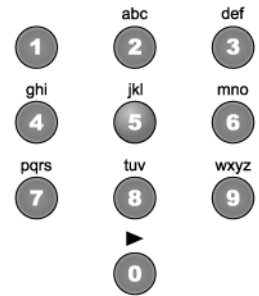
Press this button to start recording a program on a connected VCR.



NUMBER 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**.



RECOVER BUTTON

Press this button to restore your TV and/or VCR to display satellite programming. See *Satellite Video Recovery* on page 14 for instructions.



DISH HOME BUTTON

Press this button to use the **Dish Home Interactive TV** applications. See page 58 for information on using this exciting feature.



CHANGING THE REMOTE CONTROL ADDRESS

The remote control and receiver can operate on any one of 16 addresses; however, they must both be on the same address for the remote to control the receiver. This section explains how to change the address in both devices.

Note: Do *not* change the address of the remote unless absolutely necessary because the remote cannot control the receiver if the two devices have different addresses.

1. Turn the receiver OFF and press either CHANNEL UP or DOWN on the front panel to display the **Important System Information** screen. Note the **Remote Address** shown on your TV screen in the screen that looks like the example on the following page.



2. Press and hold the SAT mode button until all the mode button backlights come on (it takes about three seconds). Release the SAT mode button.
3. Use the number buttons to enter a number from 1 to 15. Write the new address in the space provided.
4. Press the POUND button. If the address you entered is valid for the remote control, the SAT mode button backlight flashes three times.
5. Point the remote at the receiver and press the RECORD button. The **Remote Address** on the **Important System Information** screen should match the one you entered.
6. To check the address programmed in the remote, press and hold the SAT mode button for three seconds. Then press the POUND button twice. The SAT mode button backlight flashes the same number of times as the address.
7. Press the SELECT button to exit the **Important System Information** screen.



Tip: If you start doing this procedure and then do not press any button for 20 seconds, the remote will end the procedure. Just start over again.

New Remote Control Address:

SATELLITE VIDEO RECOVERY

Follow these instructions if you accidentally change the channel or video input on your TV and cannot get the picture back from your satellite TV 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 channel or video input and does not recover lost satellite signal (See *Chapter 5 - Reference* for troubleshooting information). Satellite Video Recovery only works if the remote control has been set up to control the TV and/or VCR (see page 50).

Note: 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. The TV mode button flashes once and then all four mode buttons flash once.

Note: Recover will first try to tune your TV to channel 3, then channel 4, and then other video inputs.

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.

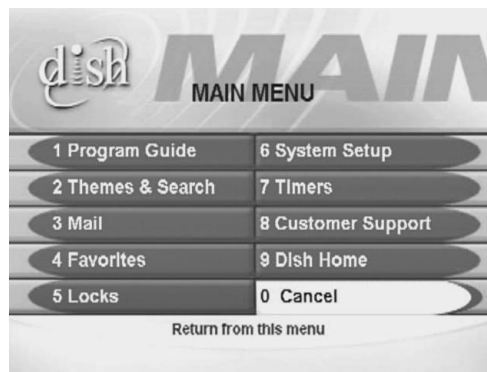
Note: Press any remote control button other than the **RECOVER** button to end this procedure.

THE MENUS

The next few pages describe the menus that the receiver displays on the television screen. See the chapter titled *Using the System* for more details on using the menus to operate the system.

MAIN MENU

The **Main Menu** is the key to the menus. Each option on this menu displays another menu.



PROGRAM GUIDE

The **Program Guide** lists the available channels and programs. It also has a one-quarter screen video window option that shows the last program you were viewing.

GUIDE



THEME CATEGORIES MENU

The **Theme Categories** menu allows you to choose programs based on their contents.



Tip: Love sports or movies? Choose one of these themes and the system immediately displays a list of all programs on at the current time that fit the selected category. See page 27 for details.

FAVORITES LISTS MENU

The **Favorites Lists** menu allows you to create, change, and activate lists of favorite channels.

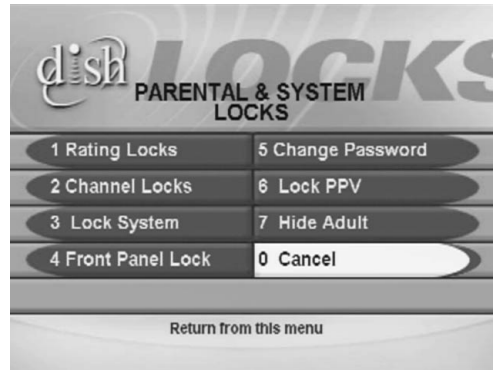


Tip: This menu is where you set up lists of your favorite channels. For details on setting up these lists, see page 29.

Tip: Want to keep your kids from watching certain channels or programs? Here's where you can set locks to keep them out. For complete details, see page 39.

PARENTAL AND SYSTEM LOCKS MENU

The **Parental and System Locks** menu allows you to set and use locks.



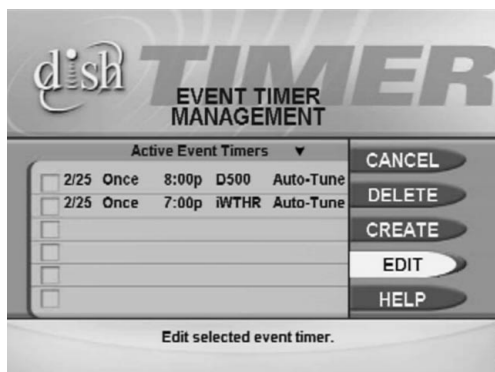
SYSTEM SETUP MENU

The **System Setup** menu provides several features that help you set up and maintain the system.



TIMERS MENU

The **Timers Menu** allows you to set up the receiver to tune in a future “event,” that is, a program. If you have a VCR connected to the receiver, you can set up a timer to start recording a program on the VCR.



Tip: This menu lets you set timers to remind you when that important program is on. You can also set timers to videotape events. See page 38 for complete details.

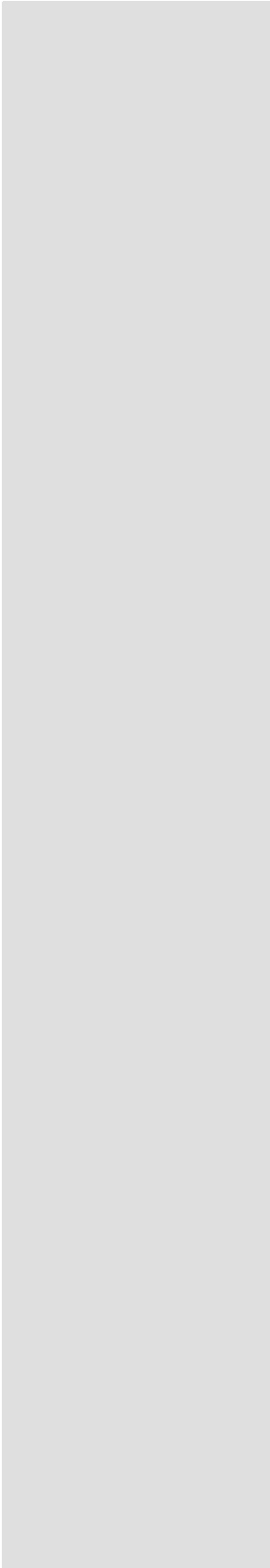
THE BROWSE BANNER

You can use the **Browse Banner** (press the RIGHT ARROW on the remote control) 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 of the screen and **Browse Banner** information at the bottom of the screen.



Note: Your **Browse Banner** may look a bit different than the one shown here.





Notes