

3

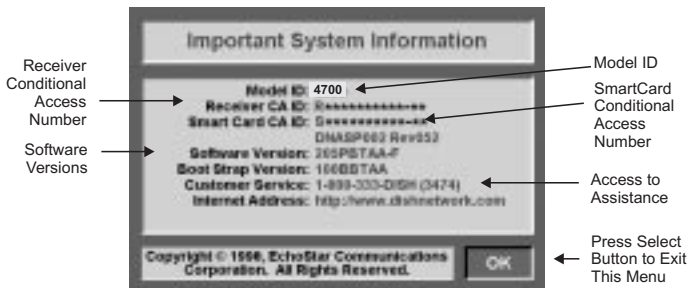
Using the System

ORDERING YOUR PROGRAMMING

You need to have your services activated before you can start enjoying your desired programming. Call to notify Customer Service that the system has been installed and that you would like to begin receiving programming. The Customer Service Representative will explain the available program packages. You will need to give the Customer Service Representative some information. To get this information, do the following:

1. Make sure the dish is aimed for the maximum signal strength, and that the information has been transmitted via the satellite signal. See the *Installation Instructions* for these procedures.
2. Display the **Important System Information** menu, shown below. To do this, turn the satellite receiver off using the remote control **POWER** button. Then, press the **INFO** button on the remote control.

Note: The Model ID on this menu is the software model, not the receiver model.



The Customer Service Representative will authorize your programming using the satellite signal. When the services are authorized, you should be able to tune the receiver to channels other than the Preview Channel.

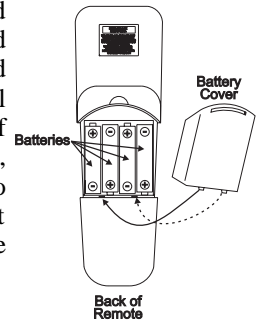
USING THE REMOTE CONTROL



ATTENTION! If the remote control came with an *Instructions Booklet* separate from this User Guide, follow the instructions for using the remote control in that booklet. Do not follow the procedures presented on the next several pages of this User Guide.

INSTALLING BATTERIES IN THE REMOTE

The remote control is shipped with AAA batteries, packaged separately. When you replace old batteries, you should replace all of the batteries. Use batteries of the same grade, for example, alkaline or carbon zinc, and do not mix batteries of different grades. Alkaline batteries provide longer battery life.



1. Press down on the slot in the battery cover (on the back of the remote control) and remove the cover.
2. Insert the new batteries, making sure to match the plus (“+”) ends with the plus markings on the battery case.
3. Replace the battery cover by inserting the tabs into the slots, and snapping the cover into place.

USING THE REMOTE CONTROL BUTTONS

This section describes the buttons on the Data Base Remote Control and how to use them.



MODE LIGHTS

The **SAT**, **TV**, **VCR**, and **AUX** mode lights indicate which device the remote will control.

Satellite System User Guide



This button changes the remote control mode. To change modes, press the **MODE** button repeatedly until the desired device light flashes rapidly.



If you connect the receiver using only the RF or VHF connections, use this button, in satellite mode, to switch between the receiver and an alternate video source such as cable or broadcast TV antenna input. (It will switch to the device routed into the 'TV Antenna Cable In'.)

In TV mode, this button will switch between video inputs on some TVs (check your Television Owner's Manual for more details).

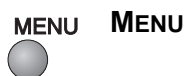


In satellite mode, press the **POWER** button to turn the receiver on or off. The green power light on the receiver front panel lights up to indicate the receiver is ON. For each mode, the power button will turn that device on and off.



Press the **MUTE** button to temporarily turn off the sound. Press it again to restore the sound. The **MUTE** button works only if you have programmed the remote to control the TV. See the 'Programming the Remote to Control Other Devices' procedure on page 3-4. If, after programming the remote, you still cannot turn up the volume, your receiver may have its own volume. Try one of the following:

- ◆ Pull the Smart Card out of the slot on your receiver front panel. Wait about 5 seconds, re-insert the card, and try the volume.
- ◆ Using the *Programming the Remote to Control Other Devices* procedure in SAT, TV, or VCR mode, the code 222 will program the remote to control the sound volume in some satellite receivers. **Note:** To control your TV, you will need to reprogram the remote back to the code that works for your particular TV.



Press the remote control **MENU** button to open the Main menu.

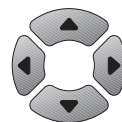


Press the plus (+) side of the **VOLUME** button to increase the sound volume. Press the minus (-) side of the **VOLUME** button to reduce the sound volume. This button works only if you have programmed the remote to control a TV. See the *Programming the Remote to Control Other Devices* procedure on page 3-4. If, after programming the remote, you still cannot turn up the volume, your receiver may have its own volume. Try one of the following:

- ◆ Pull the Smart Card out of the slot on your receiver front panel. Wait about 5 seconds, re-insert the card, and try the volume.
- ◆ Using the *Programming the Remote to Control Other Devices* procedure in SAT, TV, or VCR mode, the code 222 will program the remote to control the sound volume in some satellite receivers. **Note:** To control your TV, you will need to reprogram the remote back to the code that works for your particular TV.



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



UP/DOWN/LEFT/RIGHT ARROWS

- ◆ When using a menu, press the arrow buttons to move the highlight to the desired option.
- ◆ When watching a program, press the right arrow to open the Browse Banner or the Up or Down arrow to change channels.
- ◆ When the Browse Banner is open, press the Up or Down arrow to view the Browse Banner for the next channel.
- ◆ When a menu offers a list of choices, press the Up or Down arrow to bring more choices into view.
- ◆ When the Program Guide is open, press the Up or Down arrow to move the highlight through the channels.
- ◆ When a number must be entered in a menu, press the Up or Down arrow to increase or decrease the highlighted number.
- ◆ When the Browse Banner or Program Guide is open, press the Left or Right arrow to display programs in different time periods (but not a time period earlier than the present).
- ◆ When watching a program, press the Left arrow button to open the Themes categories.



Press the **SELECT** button to select the highlighted option in a menu and perform the function.

**VIEW**

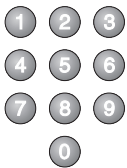
- ◆ Press the **VIEW** button to return to watching a program.
- ◆ If already watching a program, press the **VIEW** button to briefly display the Program Banner.
- ◆ From any menu, press the **VIEW** button to cancel the procedure and immediately go back to viewing the program.

**INFO**

- ◆ Press this button for more information when the **Program Guide, Browse Banner, or Themes** is open, or you are watching a program.
- ◆ When a menu is open that includes a **Help** option, press this button to see help information for that menu.
- ◆ When the receiver is OFF, press the **INFO** button to display the *Important System Information* menu.

**CANCEL**

Press the **CANCEL** button to cancel the current procedure and to return to the previous menu or to watching a program.

**NUMBER PAD BUTTONS**

- ◆ When watching a program or with the Program Guide open, enter the 3-digit channel number and press the **SELECT** button to change immediately to that channel.
- ◆ Use the number pad buttons to enter menu option numbers.
- ◆ Use these to enter a number such as a zip code or password in a menu.
- ◆ When the Program Guide is open, enter a number of hours using the number pad buttons, and then press the Left or Right arrow to display programs in the time period offset by that number of hours. The receiver cannot display a time period earlier than the present.

ADDRESS

**ADDRESS**

Use the **ADDRESS** button to reset the remote address and to program the remote to control other devices. See these procedures starting on page 3-4.

RECALL

**RECALL**

Press the **RECALL** button to go back to the last channel you were watching. Press repeatedly to alternate between the last two channels that you viewed.

VCR REMOTE CONTROL BUTTONS

With the remote control in VCR mode and the remote programmed to control a VCR, use these buttons to control the VCR. Set the remote to SAT mode to use the Fast Forward and Rewind buttons for fast paging, as explained below:



RECORD

RECORD

With the remote in VCR mode, press the **RECORD** button to start recording on the VCR. In satellite mode, you can use this button to set the address of the receiver to match the remote.

**FAST FORWARD**

With the remote in VCR mode, press the remote control **FAST FORWARD** button to rapidly advance the video tape. During tape play, press this button to rapidly view the video as a forward visual search. With the remote in SAT mode, press this button to page down through the Program Guide or a Themes list.

**REWIND**

With the remote in VCR mode, press the **REWIND** button to rewind the video tape. During tape play, press this button to rapidly view the video as a reverse visual search. With the remote in SAT mode, press this button to page up through the Program Guide or a Themes list.

**PAUSE**

With the remote in VCR mode, press the remote control **PAUSE** button to temporarily stop the video tape during recording or play. Press the **PAUSE** or **PLAY** button to restart the tape.

Satellite System User Guide



With the remote in VCR mode, press the remote control **PLAY** button to play the video tape.



With the remote in VCR mode, press the **STOP** button to stop the tape.

CHANGING THE DATA BASE REMOTE ADDRESS

The Remote Control is programmed to control the satellite receiver when packaged. Unless you have two receivers in the same room, you should NOT change the address. If necessary, do the following procedure to change the address of the remote to specifically control one satellite receiver:

1. Press the **MODE** button repeatedly until the remote is in **SAT** mode. The **SAT** mode light flashes rapidly to indicate the mode.
2. Press the **MENU** button on the remote control to display the *Main* menu.
3. Select the **System Setup** option. This displays the *System Setup* menu.
4. Select the **Installation** option to display the *Installation and Setup* menu.
5. Select the **System Info** option.
6. Press the **ADDRESS** button. The mode light flashes slowly.
7. Use the number pad buttons to enter a number from 1 to 15.
8. Press the **ADDRESS** button. If the code you entered is valid for the remote, the mode light blinks three times.
9. To verify the code, press the **ADDRESS** button twice. The **MODE** light will blink the number of times equal to the code.
10. Press the remote control **RECORD** button. Check that the address displayed on the *Important System Information* menu in the **Remote Address** field matches the one you input. If it does not, try pressing **RECORD** again. Be sure to point the remote control directly at the receiver.
11. When the numbers match, select **OK** and press **Cancel** to exit the menus.

RESTORING THE DATA BASE REMOTE ADDRESS

If you changed the addresses of the receiver and the remote, you will need to restore the address when the batteries in the remote are changed.

Note: If you start this procedure and at any time do not press a button within 20 seconds, the remote will end the procedure automatically. Simply start over again.

1. Make sure that fresh batteries are installed in the remote control.
2. Press the **MODE** button repeatedly, until the remote is in **SAT** mode. The **SAT** mode light flashes rapidly to indicate the mode.
3. Remove the Smart Card from the slot on the receiver front panel. You will see the Error message *Please Insert Your Smart Card*. After a few seconds the *Important System Information* menu appears.
4. Find the *Remote Address* on this screen (it is a number from one to fifteen). Remember this number, you will use it in step 6.
Note: If you do not see a remote address field, re-insert the Smart Card and remove it again.
5. Press the **ADDRESS** button on the remote control once.
6. Enter the *Remote Address* number from the *Important System Information* menu using the number pad buttons.
7. Press the **ADDRESS** button to save the address in the remote.
8. Re-insert the Smart Card into the slot on the receiver front panel. The receiver displays an **Attention** message - *Acquiring Satellite Signal*. The receiver will return to regular program viewing after about ten seconds.

PROGRAMMING THE REMOTE TO CONTROL OTHER DEVICES

1. Turn on the electronic device you want the remote to control. You must turn on the device using its buttons or the remote control that came with it.
2. Find the brand name of the device in the device code tables starting on page 4-15. If the brand is not listed, go to the 'Performing the Remote Control Device Code Scan' procedure below.
3. Press the **MODE** button on the remote until the mode light that matches the device flashes rapidly. The remote must be in the appropriate mode to do this procedure. For audio amplifiers, cable TV boxes, and second TVs or VCRs, use the **AUX** mode.
4. Press the **ADDRESS** button. The mode light continues to flash, but at a slower rate.

- Use the number pad buttons to enter the first code for the device. The mode light stops flashing and stays lit. If you are entering a code for AUX mode, you must enter a 4-digit code. The first digit is the code for the device, as follows:

- 0 - indicates a second TV
- 1 - indicates a second VCR

For example, if you are programming the remote to control a second TV, the mode should be AUX. Enter 0 and then the codes, one at a time, until it works. If you are programming the remote to control an amplifier or cable TV box, the codes listed in the tables include the first digit.

- Press the **ADDRESS** button. If the code you entered is valid for the remote, the mode light blinks three times.
- Test if the code works for the device by pressing the **POWER** button. If the code works, the device should turn off.
- Turn the device back on and try some other functions to make sure you have the correct code. Occasionally, the **POWER** button may work when other buttons do not. If the code works, stop here.
- If the code you entered does not work, repeat the steps using another code from the tables.
- If you have tried all of the codes listed for the device without success, or if you can not find the device brand name in the tables, use the *Device Code Scan* procedure, explained below.

PERFORMING THE REMOTE CONTROL DEVICE CODE SCAN

If a device brand is not listed in the code tables or if the listed codes do not work, you can set up the data base remote control to scan through all the codes, testing each one. The remote may not control some brands or models of devices.

If you start this procedure and at any time do not press a button within 20 seconds, the remote will end the procedure automatically. This does not indicate that anything is wrong with the remote control. Simply start the procedure over again.

- Press the **MODE** button until the appropriate mode light is flashing rapidly. The remote control must be in the correct mode to do this procedure.
- Press the **ADDRESS** button. The mode light continues to flash but at a slower rate.
- Press the **POWER** button. The mode light stops flashing and stays lit.
- Press the **Up or Down Arrow** button to set the remote to the next code. The Down arrow button scans backward, the Up arrow scans forward. Keep pressing the arrow button to continue scanning.

When the correct code is reached, the device turns off. If the correct code is reached, press the **ADDRESS** button to store the code in the remote. If the code is valid, the mode light blinks three times.

- Press the **POWER** button to turn the device back on.
- Try some other remote control buttons to make sure you have the correct code.
- If the other buttons work, do the next procedure *Determining the Remote Control Device Codes*.
- If the other buttons do not work, press the **POWER** button to turn on the device and repeat the steps. The scan resumes from the last code stored.

Note: The mode light flashes rapidly if the scan returns to the starting point and all codes have been tested for the device. If this happens, the remote may not control the particular device.

DETERMINING THE REMOTE CONTROL DEVICE CODES

You can find out what device code is currently set for each remote control mode:

- Press the **MODE** button until the appropriate mode light is flashing rapidly. The remote control must be in the correct mode.
- Press the **ADDRESS** button twice.

For SAT mode, the mode light flashes the number of times that matches the receiver address. For example, if the remote address is 4, the mode light flashes four times.

For the TV, VCR, or AUX mode, the mode light flashes the number of times to indicate each digit of the current mode. There will be a pause between the flash sequences. A quick flash indicates zero. For example, for an AUX code of 0136, the mode light flashes once quickly (for zero), then once, three times, and six times. Remember that the AUX mode has a four digit code.

- Write all the codes you entered into the remote on the sticker on the inside of the remote battery cover. Whenever you change batteries in the remote control, you may need to reprogram these codes back into the remote.

Satellite System User Guide

TURNING THE RECEIVER ON AND OFF

To turn the receiver ON, press the remote control **Power** button or press and hold the receiver front panel **Power** button (the center of the buttons on the front panel) for a few seconds. The green power light on the receiver front panel lights up.

To turn the receiver OFF, press the remote control **Power** button or press and hold the receiver front panel **Power** button (the center of the buttons on the front panel) for a few seconds. The green power light on the receiver front panel turns off.

USING THE ON-SCREEN MENUS

The menus make using the receiver and selecting services quick and easy. The receiver displays the menus on the TV screen. Use the menus to communicate with the receiver and to use the receiver features, such as setting security locks, selecting a program, or defining a Favorites List.

OPENING THE MENUS

You can use either of two methods to open the menus:

- ◆ To immediately open some of the menus, use the buttons on the remote control that correspond, as follows:

Guide	Opens the Program Guide .
Info	Displays information about a program. For a menu with a Help option, it displays help information for that menu.
Menu	Opens the Main menu.
Left Arrow	Opens Themes categories.
Right Arrow	Displays the Browse Banner .

- ◆ Open the **Main** menu, then open any of the other menus from the **Main** menu.


CLOSING THE MENUS

You can close a menu and return to watching a program by pressing the remote control **View** button, or by repeatedly pressing the remote control **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.

MENU OPTIONS

A typical menu option looks like this:



1 Program Guide

HIGHLIGHTING A MENU OPTION

To highlight a menu option, use the remote control **Up/Down/Left/Right** arrow buttons to move the on-screen highlight to the menu option. When you do this, the option appears a little darker than the other options, and it looks “pushed in.” **Note:** This highlight is not like the highlight you may have seen on a computer screen, where the highlighted text or symbol appears lighter than other items. A typical highlighted menu option looks like this:



1 Program Guide

SELECTING A MENU OPTION

When you select a menu option, that menu function is immediately performed. You can use either of two methods to select a menu option:

- ◆ Press the remote control number pad button that matches the number, if any, of the menu option. If you do this, you do not need to highlight the option first.
- ◆ Move the highlight to the menu option using the remote control **Up/Down/Left/Right** arrow buttons. Then press the remote control **Select** button.

LISTS OF CHOICES IN THE MENUS

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, *single selection* and *multiple selection*, as shown in the examples below.

Single selection allows only one choice to be selected at one time. If you select another choice, the previous choice is deselected. The single-selection list uses a circle to identify the choice.



Multiple selection allows multiple choices to be selected at one time. If you select another choice, the previous choices remain selected. The multiple-selection list uses squares to identify the choices.



HIGHLIGHTING A CHOICE IN A MENU LIST

Use the remote control **Up/Down/Left/Right** arrow buttons to move the highlight to the desired item in the list. The black arrows on the list indicate the direction(s) in which you can move the highlight.

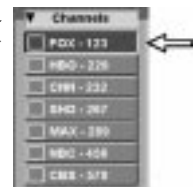
SELECTING A CHOICE IN A MENU LIST

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

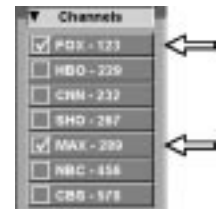
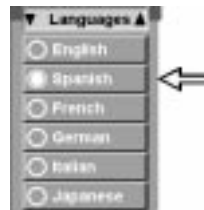
When you highlight a choice in a single-selection list, it typically appears as shown here.



When you highlight a choice in a multiple-selection list, it typically appears as shown here.



When you select the choice in a single-selection list, the choice is marked with a filled in circle, as shown below. When you select choices in a multiple-selection list, the choices are marked on the list as shown below, with check marks:



CANCELING A PROCEDURE

If you want to cancel a procedure, you must press the remote control **Cancel** or **View** button before you do the last step of the procedure. If pressing the **Cancel** or **View** button does not exit from the current menu, you must finish the procedure by selecting a menu option. You can use a couple of different methods to cancel a procedure:

- ◆ If you want to immediately return to watching a program, press the remote control **View** button.
- ◆ If you want to return to the previous menu, press the **Cancel** button. Wait a few minutes and the menu will automatically close, discarding any changes you have made.

Satellite System User Guide

CHANGING CHANNELS



ATTENTION! If the program you choose is security locked and the receiver is locked, you must enter the receiver password to watch the program. See *Accessing a Locked Channel, Program, or the Parental and System Locks Menu* on page 3-16.

Either: Press the remote control **Up** or **Down** arrow button to bring the desired channel into view.

Or: Use the remote control number pad buttons to enter the desired channel number.

Or: Press the receiver front panel **Up** or **Down** arrow button to change channels.

DISPLAYING THE LIST OF AVAILABLE CHANNELS AND PROGRAMS

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. The **Program Guide**:

◆ Indicates which Favorites List is active. If the ALL CHAN list is active, the **Program Guide** displays all the channels. If another list is active, the **Program Guide** displays only the channels on that list. See *Using Favorites Lists* on page 3-11 for more details on this.

◆ ALL CHAN listing may include channels to which you have not subscribed. These channels have a *red* background behind the channel name and number. You can not tune in to these channels. See *Available Services* on page 1-2.

◆ Includes only programs that are being shown now and that are scheduled for an extended time beyond the present. The listing does not include programs that have ended.

◆ Can be set up to list channels in ascending order (from bottom to top, 122, 140, and 170) or in descending order (from top to bottom, 170, 140, and 122). To do this, press the remote control **Menu** button to open the **Main** menu. Then, highlight and select the **System Setup** option. Highlight and select the **Channel Order** option, choose ascending or descending and select the save option. **Note:** If you do not set a channel order, the **Program Guide** automatically displays the channels in descending order.

OPENING THE PROGRAM GUIDE

Either: Press the **Guide** button.



Or:

1. Press the Menu button to display the **Main** menu.



2. Select the **Program Guide** option.

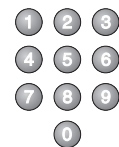


SELECTING A PROGRAM IN THE PROGRAM GUIDE

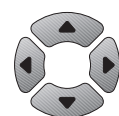
Following are three ways of selecting a program in the **Program Guide**. If you select a program that has not started yet, the receiver displays the **Create an Event Timer** menu. See *Setting and Using Event Timers* on page 3-20.

Either:

1. Use the number pad buttons to enter the desired channel number. The **Program Guide** displays the channel number and a block of channels including the one just entered.



2. Use the **Arrow** buttons to move the highlight to the desired program.



- If desired, press the **Info** button for more information about the highlighted program



Press the **Cancel** button to return to the **Program Guide**.

- Press the **Select** button to change to the new channel.



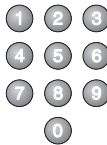
Or:

- Press the **Fast Forward** button to page down, or the **Rewind** button to page up through the **Program Guide**.



Or:

- Enter a number of hours using the number pad buttons. The **Program Guide** displays that number of hours in the upper right hand corner.



- Press the **Left** or **Right** arrow button to skip the display forward or backward that many hours. **Note:** The **Program Guide** can display programs scheduled for an extended time beyond the present.



CLOSING THE PROGRAM GUIDE

To close the **Program Guide**, press the remote control **Cancel** button. The receiver displays the program you were watching before you opened the **Program Guide**.



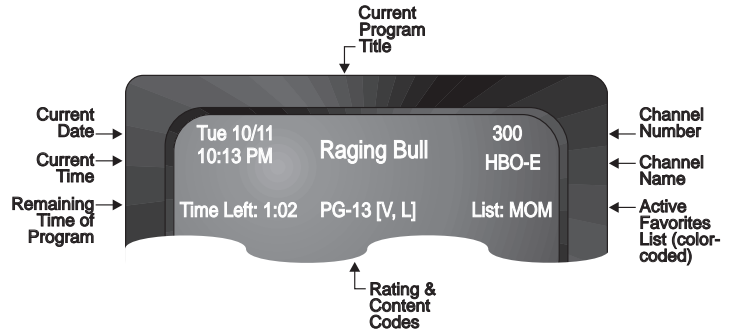
DISPLAYING PROGRAM INFORMATION WHILE WATCHING A PROGRAM

The on-screen **Program Banner** provides information about the program you are watching.

The on-screen **Browse Banner** also provides information about current and future programs, on the current channel or another channel, while you are watching the original program. Both are described below:

USING THE PROGRAM BANNER

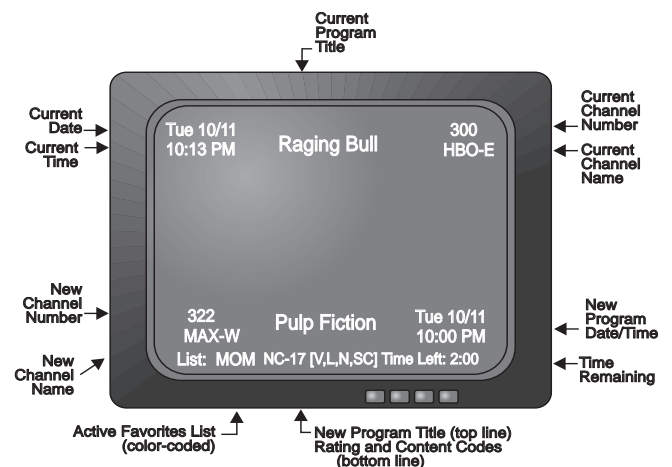
The **Program Banner** provides information about the program you are watching. The receiver displays it for a few seconds at the top of the TV screen every time you change the channel or press the remote control **View** button. The information varies, depending on the specific program, but may include any or all of the items in the following figure:



USING THE BROWSE BANNER

Use the **Browse Banner** to see what other programs are available without changing the current program. The receiver displays information at the top and bottom of the screen and includes the items shown. If the ALL CHAN list is active, all channels are displayed. If another list is active, the **Browse Banner** displays only the channels on that list.

To open the **Browse Banner**, press the remote control **Right** arrow button.



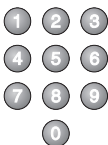
Satellite System User Guide

DISPLAYING THE BROWSE BANNER FOR OTHER PROGRAMS

1. Press the remote control **Right** arrow button to open the **Browse Banner** for the program that you are watching.



2. **Either:** Enter the channel number for the desired program, using the number pad buttons.



Or: Press the **Up** or **Down** arrow button to display the desired channel in the bottom part of the **Browse Banner**

3. Press the **Right** arrow button to display the next program. Press the **Left** arrow button to display the previous program.



Note: The receiver can display current programs and programs scheduled for an extended time beyond the present, but cannot display programs that have ended.

4. Press the **INFO** button for more information about the program listed, if desired.



CHANGING CHANNELS USING THE BROWSE BANNER

If you are using the **Browse Banner** and see a program that you want to watch, press the **Select** button to change to the new channel. Make sure the program is displayed in the bottom part of the **Browse Banner**.



Note: If you select a program that has not started yet, the receiver displays the **Create an Event Timer** menu. See *Setting and Using Event Timers* on page 3-20.

CLOSING THE BROWSE BANNER

To close the **Browse Banner**, press the remote control **Cancel** button. The receiver remains tuned to the program you are watching.

ORDERING PAY PER VIEW PROGRAMS

ATTENTION!



You are responsible for all pay per view purchases. To lock the receiver to prevent unauthorized purchases, see *Locking the Receiver* on page 3-16. The receiver must be connected to an active telephone line. If you use more than one receiver, each receiver must be connected to an active telephone connection. If you want to watch a pay per view program on TVs connected to different receivers, you must order the program for each receiver and you will be billed for each order.

1. Highlight the desired pay per view program in the **Program Guide** and press the **Select** button.



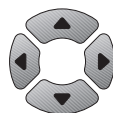
2. If the receiver is locked, enter the password using the number pad buttons. As soon as you enter the fourth digit of the password, the receiver highlights the **OK** option.



Press the **Select** button.



3. **Either:** To buy the pay per view program, highlight the **Yes** option using the Arrow buttons. Press the **Select** button. The receiver displays a confirmation menu (go to step 4).



Or: If you do not want to buy the pay per view program, press the **Up** or **Down** arrow button (if you are watching a program), **or** highlight and select the **No** or **Cancel** option. If you do this, you can stop here.

4. At the confirmation menu:



Either: Highlight the **Yes** option using the Arrow buttons. Press the **Select** button to confirm the purchase. The pay per view fee will be added to your next bill.

Or: Highlight and select the **No** or **Cancel** option to cancel the purchase. **Note:** You cannot cancel an order for a pay per view program, whether it was just ordered or ordered previously.

LISTING AND CHOOSING PROGRAMS BY THEMES

You can list and choose programs according to 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. **Note:** If you select a program that has not started yet, the receiver displays the **Create an Event Timer** menu. See *Setting and Using Event Timers* on page 3-20.

1. **Either:** While watching a program, press the **Left** arrow button to display the **Theme Categories** menu.



Or: Press the **Menu** button to display the **Main** menu. Select the **Themes** option to display the **Theme Categories** menu.

2. Use the **Arrow** buttons to move the highlight to the option for a desired category. Press the **Select** button to select that option. This displays a list of programs within the category. Programs on channels to which you have not subscribed are shown with a red background.

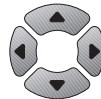


3. To speed your search, highlight the **Page Down** or **Page Up** options and press **Select** to page down or page up through the list of programs.

Or use the **Fast Forward** and **Rewind** buttons on the remote control.



4. Use the **Up/Down/Left/Right** arrow buttons to move the highlight to the desired program in the program list.



5. Press the **Select** button to watch the program.



USING FAVORITES LISTS

Favorites Lists are lists of your favorite channels. You can create and modify the lists yourself, adding and removing channels as you wish. When you make a Favorites List active, the **Program Guide** displays only the channels in that list.

Note: The ALL CHAN Favorites List contains all the channels. You cannot make any changes to this list. If you want the **Program Guide** to display all the available channels, set ALL CHAN as the active Favorites List.

- ◆ You can tune the receiver to a channel whether or not that channel is on the active Favorites List by entering the channel number using the remote control number pad buttons.
- ◆ If you choose a program using **Theme Categories**, the receiver tunes to the channel for that program whether or not that channel is on the active Favorites List. However, if the program has not started yet, the receiver displays the **Create and Event Timer** menu. See *Setting and Using Event Timers* on page 3-20.

You can create up to four different Favorites Lists, each including up to 30 channels. Each Favorites List is indicated by a slightly different color in the **Program Guide**. You can give each list a unique name, such as **Mom, Dad, Junior**, etc. 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.

MAKING A FAVORITES LIST ACTIVE

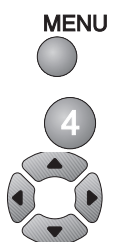
If you want the **Program Guide** to display all the available channels, make the ALL CHAN Favorites List active.

Either: 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.



Or:

1. Press the **Menu** button to display the **Main** menu.
2. Select the **Favorites** option.
3. Use the **Up/Down/Left/Right** arrow buttons to move the highlight to the desired Favorites List.



Satellite System User Guide

4. Highlight and select the **Save** option.



Note: If you try to make an empty Favorites List active, the receiver highlights the **Modify List** option. You must add at least one channel to this Favorites List before you can make it active.

6. Press the **Select** button to add the highlighted channel to the Favorites Lists. **Note:** Repeat steps 5 and 6 until all desired channels are added.



7. To delete a channel from the Favorites List, use the arrow buttons to move the highlight to the channel in the list and press the **Select** button to delete the channel from the list.

8. Highlight and select the **Save** option to save all changes to the Favorites List.



CREATING OR MODIFYING A FAVORITES LIST

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

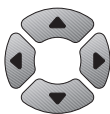
1. Press the **Menu** button to display the **Main** menu.



2. Select the **Favorites** option.



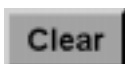
3. Use the **Up/Down/Left/Right** arrow buttons to move the highlight to the option for the Favorites List that you want to create or change. Press the **Select** button to select the highlighted list.



4. Highlight and select the **Modify List** option. This displays the list of channels in the Favorites List. If you select the ALL CHAN Favorites List and then select the **Modify List** option, the receiver displays an error message. You must select another Favorites List to modify.



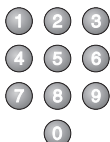
Note: At any time you can highlight and select the **Clear** option to immediately remove all channels from the current list. The **Clear** option appears on the menu you use to modify a Favorites List, but is not displayed for the ALL CHAN list because you cannot clear the ALL CHAN list.



5. Use the **Up/Down/Left/Right** arrow buttons to move the highlight to the **Channels** list. In that list, move the highlight to a channel you want to add to the Favorites List.



Either: Use the **Up** or **Down** arrow button to bring the desired channel into view.



Or: Use the number pad buttons to enter the channel number.

CHANGING THE NAME OF A FAVORITES LIST

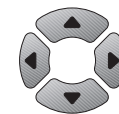
1. Press the **Menu** button to display the **Main** menu.



2. Select the **Favorites** option to display the **Favorites Lists** menu.



3. Use the **Up/Down/Left/Right** arrow buttons to move the highlight to the Favorites List to be changed.



Press the **Select** button to select the highlighted list.



4. Highlight and select the **Edit List Name** option.



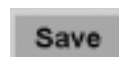
Note: You cannot change the name of the ALL CHAN Favorites List.

5. Use the **Up/Down/Left/Right** arrow buttons to highlight a letter in the keypad area on the menu.

Press the **Select** button. Repeat to spell out the desired name. You can enter up to eight characters, including spaces. If necessary, highlight and select the **space** option to insert a space in the name or the **<back** option to correct a letter.

Note: At any time, you can highlight and select the **Clear** option to immediately remove all the characters from the name.

6. Highlight and select the **Save** option to save all changes.





READING ELECTRONIC MAIL

Occasionally, you may receive electronic mail from Customer Service. This mail typically tells you about upcoming events, special offers, and network changes. You may also receive mail that is specifically addressed to you, telling you about billing changes or asking you to call Customer Service. **Note:** You cannot send mail, only receive it.

When you have unread messages, the receiver is ON, and you display information about a program, the on-screen information includes an envelope symbol.


ATTENTION! It is important that you read, and then delete the mail messages that you receive. The receiver can store only a certain number of messages. If it receives more messages than it can hold, it deletes the oldest messages, as necessary, to make room.

1. Press the **Menu** button to display the **Main** menu. 


2. Select the **Mail** option to display the **Mail Menu**. 


Note: If the receiver does not contain any mail messages, it displays a message saying this, instead of the **Mail Menu**. You can stop here.

3. Use the **Up/Down/Left/Right** arrow buttons to move the highlight to a mail message on the **Select Mail to Read** list. 

4. Press the **Select** button to display the highlighted message. 

5. If necessary, press the **Up** or **Down** arrow button to display all of the message.

6. **Either:** After you are finished reading, highlight and select the **Delete** option to delete the mail message. 

Or: Highlight and select the **Save** option to save the message. 

SETTING AND USING SECURITY LOCKS

You can use either or both of two types of security, or you may choose not to use either.

- ◆ You can lock the receiver so that only those who know the password can access locked features.
- ◆ You can set up a Personal Identification Number (PIN) at Customer Service to keep unauthorized people from calling and ordering services (see *Personal Identification Number* on page 3-17).

You can set locks to keep anyone who does not know the password from:

- ◆ Watching one or more specified channels
- ◆ Watching programs with certain rating or extended rating (content) codes
- ◆ Buying added cost services such as pay per view
- ◆ Using the receiver front panel **Control Buttons**

HOW TO SET LOCKS: A TWO STEP PROCESS

1. Create the channel or program locks (you do not need to do this if you wish to lock only pay per view services). Also, lock the receiver front panel **Control Buttons**, if desired.
2. Lock the receiver. This puts the locks you have created into effect, and also locks the purchase of added cost services.

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

ATTENTION! First you set the locks; then you lock the receiver. You must lock the receiver in order to put any locks into effect. If you unlock the receiver, leave the locks unchanged, and then lock the receiver again, the same locks will be in effect as before.

If you want to lock only pay per view services, you do not need to create any special locks. Just lock the receiver, to automatically lock pay per view.

Satellite System User Guide

WHEN YOU HAVE LOCKED THE RECEIVER:





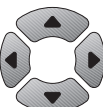
- ◆ If you try to access a locked program or channel, the receiver displays a message prompting you to enter the password. You must also enter the password to access the **Parental and System Locks** menu.

The receiver allows you three tries to enter the correct password. If you fail to do this, the receiver does not allow more tries for several minutes.


- ◆ If you enter the correct password, you can access the locked item or the **Parental and System Locks** menu.
- ◆ If you exit a locked item or the **Parental and System Locks** menu, you must re-enter the password to access the item or the menu again.

ATTENTION! If you forget your password, you will need to speak with a Customer Service Representative. You may need to provide the following information: (1) your name; (2) your address; (3) your telephone number; (4) the receiver serial identification number; and, (5) your Personal Identification Number (PIN), if used.

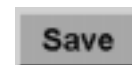
CREATING OR MODIFYING CHANNEL LOCKS

1. Press the **Menu** button to display the **Main** menu. 
2. Select the **Locks** option. If the receiver is locked, enter the password using the number pad buttons. The receiver displays asterisks (*) 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. 

3. Select the **Channel Locks** option. 
4. Use the **Up/Down/Left/Right** arrow button to move the highlight to the channel that you want to lock. 

If necessary, press the **Up** or **Down** arrow button to bring the desired channels into view. You can also enter each channel number directly using the number pad buttons.

5. 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. 

Highlight and select the **Save** option to save the changes.





6. If the receiver is not already locked, you must lock it to put the lock you just created into effect. See *Locking the Receiver* on page 3-16.

CREATING OR MODIFYING RATING CODE LOCKS

Do the following to set program locks based on rating or extended rating (content) codes. Then, when the receiver is locked, only someone who knows the password can watch these programs. See the Glossary on page 4-8 for a definition of each of the rating codes.

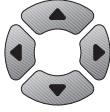
Parents beware, the rating and extended rating (content) codes that the receiver uses for program locks reflect the codes that the original program providers assigned to the programs. The actual content of the programs may differ from their assigned ratings. No rating system can guarantee that all objectionable material is screened out. Like all other security locks, these locks are only in effect when the receiver is locked. Also, television program ratings differ from movie ratings.

1. Press the **Menu** button to display the **Main** menu. 
2. Select the **Locks** option. If the receiver is locked, enter the password using the number pad buttons. The receiver displays asterisks (*) 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 to display the **Parental and System Locks** menu.

3. Select the **Ratings Locks** option. 

- Use the **Up/Down/Left/Right** arrow buttons to move the highlight to the rating in the Rating list that corresponds to the lowest acceptable audience age.



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.

Press the **Select** button to lock the highlighted rating.



- Use the **Up/Down/Left/Right** arrow buttons to move the highlight to the expanded rating code(s) in the Expanded Rating list, if you want to lock these ratings also.

Press the **Select** button to lock the highlighted rating.

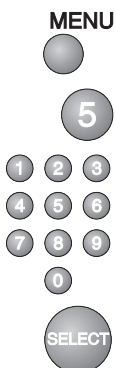
- To unlock a rating code, use the **Up/Down/Left/Right** arrow buttons to move the highlight to the code. Press the **Select** button.
- Highlight and select the **Save** option to save the changes.
- If the receiver is not locked**, you must lock it to put the lock you just created into effect. See *Locking the Receiver* on page 3-16.



LOCKING THE RECEIVER FRONT PANEL CONTROL BUTTONS

This is useful if you want to prevent anyone else from changing the channel. Although this does not lock the remote control buttons.

- Press the **Menu** button to display the **Main** menu.
- Select the **Locks** option. **If the receiver is locked**, enter the password using the number pad buttons. The receiver displays asterisks (*) 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 to display the **Parental and System Locks** menu.

- Select the **Front Panel Lock** option.
- Highlight and select the **Yes** option.
- If the receiver is not locked, you must lock it to put the lock you just created into effect. See *Locking the Receiver*, below.

4



UNLOCKING THE RECEIVER FRONT PANEL CONTROL BUTTONS

You must use the remote control to unlock the receiver front panel **Control Buttons**. If you lose or damage the remote control, you will need to speak with a Customer Service Representative.

- Press the **Menu** button to display the **Main** menu.
- Select the **Locks** option. If the receiver is locked, enter the password using the number pad buttons. The receiver displays asterisks (*) as you enter the digits of the password.

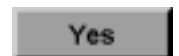
As soon as you enter the fourth digit of the password, the receiver highlights the **OK** option. Press the **Select** button.
- Select the **Front Panel Lock** option.
- Highlight and select the **Yes** option.

MENU

5

SELECT

4



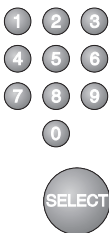
ACCESSING A LOCKED CHANNEL, PROGRAM, OR THE PARENTAL AND SYSTEM LOCKS MENU

See *Ordering Pay Per View Programs* on page 3-11 for the procedure to order a pay per view program when the receiver is locked.

- Select a channel or a program that is locked. The receiver displays an Attention message telling you that the item is locked.

Satellite System User Guide

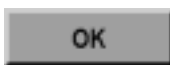
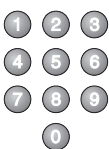
2. Enter the password using the number pad buttons. The receiver displays asterisks (*) as you enter the digits. As soon as you enter the fourth digit of the password, the receiver highlights the **OK** option.
3. Press the **Select** button.



LOCKING THE RECEIVER

You must lock the receiver for any receiver security locks that you set to be in effect. Locking the receiver automatically locks the purchase of added cost services. If you forget your password, you will need to speak with a Customer Service Representative.

1. Press the **Menu** button to display the **Main** menu.
2. Select the **Locks** option to display the **Parental and System Locks** menu. **Note:** If the receiver displays a message prompting you to enter a password, it has already been locked.
3. Select the **Lock System** option. The receiver displays a message prompting you to enter a password. **Note:** If this option appears as **Unlock System** instead, the receiver is already locked.
4. Enter and verify a password, using the number pad buttons. The receiver displays asterisks (*) as you enter the digits of the password.
Write down the password and put it in a safe place. From now on, you must enter this password to lock or unlock the receiver.
5. Highlight and select the **OK** option. Re-enter the password. All the locks you have set are now in effect.



UNLOCKING THE RECEIVER

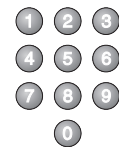
If you unlock the receiver, leave the locks unchanged and then lock the receiver again, the same locks will be in effect as before.

1. Press the **Menu** button to display the **Main** menu.
2. Select the **Locks** option. With the receiver locked, you must enter the password using the number pad buttons. The receiver displays asterisks (*) 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 **Unlock System** option. If this option appears as **Lock System** instead, the receiver is already unlocked.

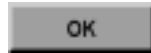


CHANGING THE RECEIVER PASSWORD

1. Press the **Menu** button to display the **Main** menu.
2. Select the **Locks** option. **If the receiver is locked**, enter the password using the number pad buttons. The receiver displays asterisks (*) 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. This displays the **Parental and System Locks** menu.
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. Press the **Select** button.
6. 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** option.



7. **Either:** Select the **OK** option to change the password.



OR






Or: If you do not want to change the password, press the **Cancel** button or select the **Cancel** option. You can stop here.



8. Enter the new password again for verification, using the number pad buttons. The receiver displays asterisks (*) 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.



Write down the new password and put it in a safe place. From now on, this password must be entered to lock or unlock the receiver.

1. Press the **Menu** button to display the **Main** menu. 
2. Select the **System Setup** option to display the **System Setup** menu. 
3. Select the **Installation** option to display the **Installation and Setup** menu. 
4. Select the **Factory Defaults** option. The receiver displays a warning message, prompting you to confirm that you want to reset the receiver. 
5. Highlight and select the **Yes** option to confirm the reset. The receiver resets, and then displays the **Installation and Setup** menu. 

PERSONAL IDENTIFICATION NUMBER

You can set up a Personal Identification Number (PIN) for call-in requests only. Anyone calling Customer Service with a request must provide this PIN to authorize any transactions to your account. This includes purchasing services and making account inquiries. You may call Customer Service at any time to set up a PIN.

If you forget your PIN, you will need to speak with a Customer Service Representative. The Customer Service Representative may ask for additional information to confirm that you are authorized to make transactions to your account.

DISCARDING ALL SETUP INFORMATION

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

Resetting the receiver to the factory default settings discards all Favorites Lists except the ALL CHAN list. If you have set security locks on the receiver, and the receiver is locked, these locks will not be discarded.

If the receiver is unlocked, these locks will be discarded. You cannot reset the receiver to default settings to discard a password you have forgotten, nor can an unauthorized person do so to bypass a receiver security lock.


RECORDING PROGRAMS

By pressing the **Record** button on the remote, you can tape a satellite program you are watching.

- ◆ You cannot tape a satellite program different from the one you are watching.
- ◆ You cannot watch a video tape through the receiver.

Note: Many TV programs and films are copyrighted. In certain circumstances, copyright law may apply to private, in-home videotaping of copyrighted materials.

If the VCR is connected to the receiver correctly, you can record programs that you are watching. See *Wiring the System Together* in the Reference section of this manual or the *Installation Instructions* for more details.




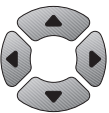
ATTENTION!  If you open any menu (including the **Program Guide**) while recording a program, the menu will also be recorded. If you change the volume or activate the mute button, the volume change will be recorded.

Satellite System User Guide


WATCHING PROGRAMS IN OTHER LANGUAGES


You may be able to change the language of the programs you watch by using the **Alternate Audio** menu. An alternate language may not be available for all programs. Some programs, such as movies, indicate at the start of the program whether an alternate language is available.

Alternate language applies only to the audio part of programs and does not change the language used in the menus displayed by the receiver.

1. Press the **Menu** button to display the **Main** menu. 
2. Select the **System Setup** option to display the **System Setup** menu. 
3. Select the **Alternate Audio** option. 
4. Use the **Up/Down/Left/Right** arrow button to move the highlight to the desired language in the **Languages** list. Press the **Select** button. 

Note: If the program is being transmitted in a language not listed, then selecting the **Alternate** option selects that language. If not, then selecting the **Alternate** option selects English.

5. **Either:** Highlight and select the **Save** option to save your language choice. The receiver displays the **System Setup** menu. 
Or

Or: Press the **Cancel** button to cancel any changes. The receiver displays a confirmation menu. 

At the **Confirmation Menu:**




Either: Highlight and select the **Yes** option to discard any language changes.

Or: Highlight and select the **No** option to save any language changes you have made.



PERFORMING DIAGNOSTIC TESTS

Diagnostic Tests are available for you to check that the main parts of the system are working correctly. The **Diagnostics** menu includes tests for the following parts: the receiver front panel, the remote control, the dish signal, the receiver telephone connection, and the main unit (that is, the receiver).

STARTING A DIAGNOSTIC TEST

1. Press the **Menu** button to display the **Main** menu. 
2. Select the **System Setup** option to display the **System Setup** menu. 
3. Select the **Diagnostics** option to display the **Diagnostics** menu. 
4. In the **Diagnostics** menu, select the option for the diagnostic test that you want to do, as listed below.

FRONT PANEL BUTTONS DIAGNOSTICS TEST

1. Select the **Front Panel** option. 
2. Press the receiver front panel **Up** or **Down** arrow button. **Note:** If you press the receiver front panel **Power** button (the center button of the three buttons on the front panel), the receiver turns OFF, ending the test. 

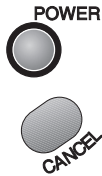
If the front panel **Control Buttons** are working correctly, the receiver briefly displays a message that says "Front Panel button." If the front panel **Control Buttons** are not working correctly, the receiver displays a failure message. In this case, see the *Performing Diagnostic Tests* section of the *Problems and Solutions Tables* that begin on page 4-9.

3. Press the remote control **Power** or **Cancel** button to end the test. 


REMOTE CONTROL DIAGNOSTIC TEST

This test checks that the remote control buttons are working correctly. Do not press any buttons on the remote or the receiver while this Test is in progress.

1. Select the **Remote Control** option.
2. Press any remote control button, except the **Power**, or the **Cancel** button. If the remote control is working correctly, the receiver briefly displays a message that says "Remote Control Button." If the remote control is not working correctly, the receiver displays a failure message. In this case, see the *Performing Diagnostic Tests* section of the *Problems and Solutions Tables* that begin on page 4-9.
3. Press the **Power** button or **Cancel** button to end the test.



DISH SIGNAL DIAGNOSTIC TEST

This test checks that the receiver has normal signal reception. Select the **Dish Signal** option to begin the test. The receiver displays a message asking you to wait until the test is completed. Do not press any buttons on the remote control or the receiver while conducting this test. If the signal reception is normal, the receiver displays a message that says "Signal Reception OK." If the signal reception is not normal, the receiver displays a failure message. In this case, see the *Performing Diagnostic Tests* section of the *Problems and Solutions Tables* that begin on page 4-9.

TELEPHONE CONNECTION DIAGNOSTIC TEST

This test checks that the receiver telephone connection is correct. Select the **Phone Connection** option to begin the test. The receiver displays a message asking you to wait until the test is completed. If the telephone connection is correct, the receiver displays a message that says "Phone Connection OK." If the telephone is not connected properly, the receiver displays a failure message. In this case, see the *Performing Diagnostic Tests* section of the *Problems and Solutions Tables* that begin on page 4-9.

MAIN UNIT (RECEIVER) DIAGNOSTIC TEST

This test checks that the receiver is working correctly. Select the **Main Unit Test** option to begin the test. The receiver displays a message asking you to wait until the test is completed. If the receiver is working correctly, it displays a message that says "Main Unit OK." If the receiver is not working correctly, it displays a failure message. In this case, call Customer Service for assistance. **Note:** This test may temporarily distort the TV picture.

SETTING AND USING EVENT TIMERS

Event Timers allow a satellite receiver to be programmed to tune in and/or record a future program. Automatic Event Timers can be set for a program listed with start and stop times in the Program Guide. Manual Event Timers can be set for a broadcast or cable channel program not listed in the Program Guide. Manual Event Timers also allow custom start and stop times and the modification of any aspect of a Timer.

EVENT TIMER TYPES:

Reminder - reminds that the desired event is about to start.

Auto-Tune - reminds that the event is about to start and tunes the receiver to the channel of the event when it begins.

VCR - does all of the above plus it starts your VCR to record the event.

EVENT TIMER FREQUENCIES:

Once - Operates only once. If the event time changes, this timer will operate at the *new* event time. This timer is automatically deleted when it operates.

Mon.-Fri. - Operates Monday through Friday on the same channel at the same time.

Daily - Operates Monday through Sunday on the same channel at the same time.

Weekly - Operates once a week on the same channel at the same time.

Satellite System User Guide

BEFORE THE TIMER ACTIVATES

Five minutes before an event timer is to operate, the receiver displays a small blinking symbol on the TV screen to remind you that an Event Timer is scheduled to begin. This symbol will be displayed only until the event begins. While the symbol is displayed, you may:



◆ Press the remote control **Cancel** button to clear the symbol from the TV screen. This does not affect the timer—it will still operate.

◆ Press the remote control **INFO** button to display more information on the scheduled Event Timer. The receiver displays the title, the time, and the channel of the event. You have the following choices:


- Continue with the Event Timer. The Timer will operate as scheduled.
- Stop the Event Timer. This stops only this occurrence of a *Mon.-Fri.*, *Daily* or *Weekly* timer. The timer will still operate the next time it is scheduled. To stop all operations of a *Mon.-Fri.*, *Daily* or *Weekly* timer, you must delete the timer (see *Deleting an Event Timer* on page 3-22). For a *Reminder Event Timer*, instead of having the option to stop the timer you have the option to tune to the channel of the event. If an event time changes by more than twenty-four hours from the originally scheduled time, the timer will not operate.

SETTING UP AN AUTOMATIC EVENT TIMER

1. Highlight a future event using the **Browse Banner**, the **Program Guide**, or **Theme Categories**.
2. Press the **Select** button to display the **Create An Event Timer** menu,
3. Press the **Up** or **Down** arrow button to highlight the desired type of event timer.
4. Press the **Select** button.
5. Press the **Up** or **Down** arrow button to highlight the desired timer frequency.
6. If desired, select the **Start 1 min. early** option to start the event one minute before the scheduled start time.







You may start any Event Timer (including a repeated timer) one minute early without affecting any other Event Timer. However, if you set back-to-back Event Timers and the second one starts one minute early, the first one will end one minute early. **Note:** An Event Timer cannot start one minute early for a Pay Per View program.

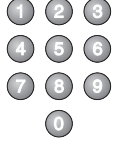
7. **Either:** Select the **Create** option to save the Event Timer.  The receiver displays the previous menu. The receiver displays a timer symbol in the **Program Guide**, and also when you press the **Information** button to get information about the event. This indicates that you have set a timer.

Or: If you want to return to the previous menu without creating an event timer, press the **Cancel** button.

SETTING UP A MANUAL EVENT TIMER

A Manual Event Timer cannot be set for a Pay Per View program (only an Automatic Event Timer will work).

1. Press the **Menu** button to display the **Main** menu. 
2. Highlight the **Timers** option and press the **Select** button. 
3. On the **Event Timer Management** menu, highlight the **Create** option and press the **Select** button. 
4. On the **Create a Manual Event Timer** menu, press the **Up** or **Down** arrow button to highlight the desired **Timer Type** and press the **Select** button. 
5. Press the **Up** or **Down** arrow button to highlight the desired **Timer Frequency** and press the **Select** button.
6. To select a channel, either scroll through the channels using the **Up** or **Down** arrow button or enter a channel using the numeric key pads.
7. Highlight the **Set Date/Time** option and press the **Select** button.

- On the **Set Date/Time for Manual Timer** menu, using the numeric key pads, key in the *Start Time*, *End Time*, and *Date*. 
- Highlight the **Create Timer** option and press the **Select** button. The **Event Timer Management** menu lists the Event Timers that have been created.

To create another Event Timer, highlight the **Create** option and press **Select**.



If you want to return to the previous menu without creating another Event Timer, press the **Cancel** button.



QUICK RECORD

You can create a one-time only VCR Event Timer without using the menus. Do the following:

- Use the **Up** or **Down** arrow button to highlight a future event in the **Browse Banner**, the **Program Guide** or **Theme Categories**.
- Press the **Record** button. The receiver displays a menu indicating that an Event Timer has been created.
- Press the **Select** button.



SCHEDULING CONFLICTS

If you try to create Event Timers for overlapping events, the receiver will display a menu with the warning, "Event Timer Scheduling Conflict," and the dates and times of both events. The receiver also displays this menu if an event time has changed, causing the Event Timer to overlap a previously created one. You must delete one of the scheduled Event Timers to resolve the conflict.

DELETING A CONFLICTING EVENT TIMER

From the **Scheduling Conflict** menu, press the **Up** or **Down** arrow button to highlight the **Delete This Timer** option that corresponds to the event you want to remove and press **Select**.




MAXIMUM NUMBER OF EVENT TIMERS

The receiver allows you to create a maximum of ten (10) Event Timers. If you try to create more than this, the receiver will display a menu giving you the option to delete a previously set up event timer. If you do not delete an existing Event timer, you will not be able to create any new ones. **Note:** Event Timers with the *Once* frequency are deleted automatically when they operate. You must manually delete all other types of Event Timers.

EDITING AN EVENT TIMER

Editing an Event Timer allows any aspect of a timer to be modified, including specific start and stop times. Both Automatic and Manual Event Timers can be edited. Editing an Automatic Event Timer converts the timer to a Manual Event Timer that operates at the times you specify, not the actual event times.





Note: An Event Timer can not be edited for a Pay Per View program.

- Press the **Menu** button to display the **Main** menu. 
- Select the **Timers** option. 
- From the **Event Timer Management** menu, highlight the event you want to edit then highlight the **Edit** option and press the **Select** button. 
- On the **Edit a Manual Event Timer** menu, revise the *Type*, *Frequency* and *Channel* options, as desired, highlight the **Set Date/Time** option and press the **Select** button.

Satellite System User Guide

5. On the **Set Date/Time for Manual Timers** menu, edit the *Start Time*, *Stop Time*, and *Date*, as desired. Highlight the **Create Timer** option and press the **Select** button.
6. The **Event Timer Management** menu reflects the edits made.

DELETING AN EVENT TIMER

1. Press the **Menu** button to display the **Main** menu. 
2. Highlight the **Timers** option and press **Select** to display the **Event Timer Management** menu. 
3. Press the **Up** or **Down** arrow button to highlight an Event Timer that you want to delete. 
4. Press the **Select** button. A check mark will appear in the box next to the desired Event Timer. 
5. Press the **Up** or **Down** arrow button to highlight the **Delete** option.
6. Press the **Select** button to delete the Event Timer(s).

Or: To return to the **Main** menu without deleting any event timers, press the **Cancel** button.



REVIEWING EVENT TIMERS

You can review scheduled event timers at any time, using the **Event Timer Management** menu. To open this menu, press the **Menu** button to open the **Main** menu and select the **Timers** option.

LOCKS, BLACKED-OUT PROGRAMS, AND EVENT TIMERS

You *must* enter the receiver password *before* you can create an automatic event timer for a locked program, and order a pay per view program *before* you can create such a timer for it. You can create a manual event timer for a locked program *without* entering the password. However, if you do this, or if the program 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.

POWER OFF AND EVENT TIMERS

If the receiver is OFF at the time an *Auto-Tune* or *VCR* Event Timer is scheduled to operate, the receiver will turn ON. Once the event has ended, the receiver will turn OFF, unless you pressed any remote control or receiver front panel buttons during the time that the timer was active.

If the receiver is OFF at the time a *Reminder* Event Timer is scheduled to operate, the timer will turn the receiver ON and tune it to the channel you last watched. The receiver will then display the reminder menu. You will have a few seconds to respond. If you do not respond to the reminder menu, the receiver will turn OFF.

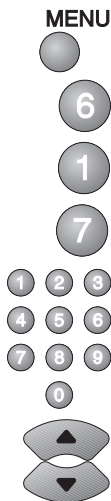
SETTING UP THE RECEIVER AND VCR TO USE A VCR EVENT TIMER

To use VCR Event Timers, you must set up the receiver so it can recognize and control the VCR. First, program the remote to control the VCR (see *Programming the Remote to Control Other Devices* on page 3-4). Doing this will determine the correct code.

If the receiver does not control your VCR model, use an Auto-Tune Event Timer to tune the receiver to the channel for the program you want to record. Use the timers built into the VCR to start and stop the VCR at the required times.

The receiver uses an IR signal to control the VCR. This signal is much stronger than the signal the remote uses, so it can bounce off walls or other objects on its way to the VCR. This works in most home setups. However, shelves or smoked glass doors between the receiver and the VCR may block the signal. Also, if the signal must cross a very large room, or bounce off curtains, it may not be strong enough to control the VCR. Make sure that nothing blocks the signal, and that the signal can bounce off relatively nearby, light-colored, smooth surfaces.

1. Press the **Menu** button to display the **Main** menu.
2. Select the **System Setup** option.
3. Select the **Installation** option.
4. Select the **VCR Setup** option.
5. **Either:** Enter the 3-digit code number, from the tables, using the number pad buttons.



Or: Highlight each digit of the VCR code, and then press the **Up** or **Down** arrow button to enter the number for that digit.

Make sure the VCR is turned ON and the switch is set to 3 or 4 (whichever you use). Insert a rewind tape on which you want to record. The receiver starts the VCR recording, but does not turn ON the VCR, so you must do this yourself.

6. To test the new code, highlight the **Test** option. The receiver displays a message warning you to make sure the VCR is turned ON.
7. Press the **Select** button to start the test. Your VCR records for a few seconds, stops, and then rewinds. The receiver displays a message saying that your VCR test is complete. Follow the instructions on the message. If your VCR did not perform the test, enter another code from the table. Repeat steps 6 and 7.
8. Once you have found the correct VCR code:



Either: Select the **Save** option to save the VCR code you entered and return to the *Installation and Setup* menu,



Or

Or: If you want to return to the *Installation and Setup* menu without saving the VCR code just entered, press the **Cancel** button.



9. Your VCR records for a few seconds, stops, and then rewinds. The receiver displays a message saying that your VCR test is complete. Follow the instructions on the message: If your VCR did not perform the test, enter another code from the table. Repeat steps 6 and 7.
10. Once you have found the correct VCR code:

Either: Select the **Save** option to save the VCR code you entered and return to the *Installation and Setup* menu.

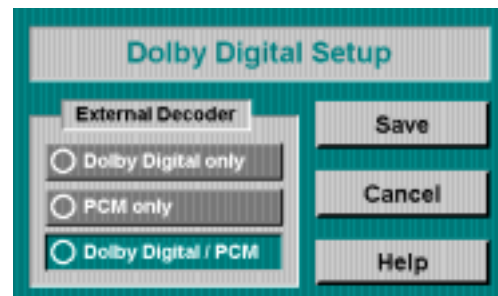
Or: If you want to return to the *Installation and Setup* menu without saving the VCR code just entered, press the **Cancel** button.

USING DOLBY DIGITAL SOUND

Dolby Digital allows the introduction of Surround Sound into your home video/audio system. To use Dolby Digital sound, it is necessary to have a compatible amplifier/decoder. Dolby Digital sound will not always be available on all programming.

There are two audio types possible - Dolby Digital, when available, or Linear PCMA (regular mono or stereo sound). As an example, a premium movie channel may offer Dolby Digital sound on a prime time movie slot, but a rerun of an old sitcom episode almost certainly will not.

1. From the **Main** menu, select the **System Setup** option.
2. From the **System Setup** menu, select the **Dolby Digital** option.
3. From the **Dolby Digital Setup** menu, choose one of the following options:



Satellite System User Guide

Dolby Digital Only - Choose this if your amplifier is *only* Dolby Digital (AC3) capable. See your amplifier owner's manual for more details on your particular unit.

PCM Only - This option should be chosen only if your equipment is NOT Dolby Digital compatible.

Dolby Digital/PCM - This is the most common option. Choose this if your amplifier is capable of accepting both Dolby Digital and Linear PCM signals. **Note:** Damage to your speakers could occur if you choose this option and your amplifier is not capable of processing both types of audio signals.

4. Highlight the **Save** option and press the remote control **View** button to exit.
5. With a program highlighted in the **Program Guide, Browse Banner, Themes** list or while watching a program, press the **INFO** button on the remote control. If Dolby Digital sound is available for the program, the Dolby Digital symbol will be displayed.



Note: Your TV's audio will continue to run normally at all times. If Dolby Digital is not available, you will hear the normal TV audio. For best results when using an amplifier, you may want to decrease the volume on the TV.