

# 3

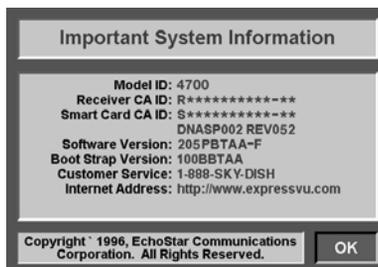
## Using the System

### ORDER YOUR BELL EXPRESSVU PROGRAMMING

This procedure notifies the Bell ExpressVu Customer Service Call Centre that your system is on-line and installed. You need to have your services activated before you can start enjoying your desired programming. Prior to authorization, you will see the Bell ExpressVu XPRS Preview Channel and perhaps an unscrambled program channel such as CBC. You must authorize your services when you first install your Bell ExpressVu system, and whenever you request to add or remove services.

All you need to do is call the Bell ExpressVu Customer Service Call Centre at 1-888-SKY-DISH and notify them that your system has been installed and you would like to begin receiving programming. The Service Representative will explain the available program packages and à la carte services and take you through the authorization procedure and software download steps. When the services are authorized, you should see channels other than the Bell ExpressVu Preview Channel. You will need to give the Bell ExpressVu 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. Or, if the receiver is on, press the **System Info** button to display the **Important System Information** menu.



The Bell ExpressVu Customer Service Representative will authorize your programming using the satellite signal.

## USING THE REMOTE CONTROL

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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.

## IMPORTANT SAFETY INSTRUCTIONS

For your protection, you must remember certain safety issues while using this device. Please keep these and any additional instructions for future references.

### INSTALLATION

*Observe Warnings:* Carefully follow all warnings on the device and in the operating instructions.

*Heat:* DO NOT place the device near heat sources such as radiators, stoves, heat registers, or other appliances that produce heat.

### CARE AND USE

*Cleaning:* DO NOT use liquid, abrasive, solvent, or aerosol cleaners. Use a damp cloth for cleaning.

*When in Use:* Remove the batteries if this device is to be left unattended or unused for a long period of time.

ATTENTION!



Refer servicing to qualified personnel when a solid object or liquid has fallen onto or into the device.

ATTENTION!



DO NOT attempt to service this device. Refer all servicing to qualified personnel. Opening covers other than the battery cover will void the warranty.

## ABOUT THE DBS DIGITAL REMOTE CONTROL

The Digital Remote Control is designed for use with applicable DBS receivers. It provides easy access to all the features of the Bell ExpressVu system, including changing channels and using menus. This remote can also control other electronic devices to allow easier, more convenient use of your total home entertainment system. These instructions describe all of the buttons on the remote, their capabilities, and the advanced functions of this particular remote control.

You can use the Digital Remote to control not only the satellite receiver but also a TV, VCR, cable TV box, or an audio amplifier. You can program this remote to control a maximum of three other electronic devices.

## DIGITAL REMOTE TYPE: UHF OR IR

There are two types of Digital Remote Controls: Infrared (IR) or Ultra-high Frequency (UHF). The UHF remote has the UHF symbol on it, as in the picture below. The IR remote does not have the UHF symbol. The back of the IR remote has the words “INFRARED REMOTE” on it.

## ABOUT THE UHF REMOTE

The UHF remote sends ultra-high frequency radio signals to a UHF antenna connected to the back panel of UHF compatible receivers. With UHF compatible receivers, the signals will travel through solid objects and allow you to use the remote to control the receiver from another room, or even from another floor in the building, to a possible maximum of 30 metres away from the receiver. To check if your receiver is UHF compatible, look for the **UHF Remote Antenna** connection on the back panel of the receiver.



The UHF antenna must be attached to the receiver back panel **UHF Remote Antenna** connection in order to use the UHF remote control. Because the UHF remote operates from such a long range, the receiver may respond to signals from other nearby remote controls. To handle this problem, see the *Changing the Digital Remote Address* procedure on page 3-9. Because the UHF antenna is sensitive, it may pick up other UHF signals, interfering with the operation of the remote. Try *Changing the Data Base Remote Address* first. If this does not work, see *Installing an Attenuator* on page 3-11.

## ABOUT THE IR REMOTE

The IR remote uses infrared light to control the receiver and has a maximum range of 40 feet. You must point the remote directly at the receiver, with no solid objects in the way.

**Do NOT change the address** of an IR Remote. The IR Remote Control is programmed to control the satellite receiver when packaged. Unless you have two receivers in the same room, you should not need to change the address. If you have two receivers in the same room and the remote is controlling both, perform the *Changing the Digital Remote Address* procedure on page 3-9 to change the address of the remote to specifically control one satellite receiver.

## INSTALLING BATTERIES

The remote control uses AAA batteries. When you replace old batteries, you should replace all of the batteries. Use batteries of the same grade and do not mix batteries of different grades. Alkaline batteries provide longer battery life.

1. Push down on the slot in the battery case cover (on the back of the remote control) and slide off 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 sliding the cover back up into place.



## USING THE DIGITAL REMOTE

### THE REMOTE CONTROL BUTTONS

This section describes the buttons on the Digital Remote Control. Some features described below may not be applicable with your particular satellite receiver model.

### MODE LIGHTS

The **SAT**, **TV**, **VCR**, and **AUX** mode buttons indicate which device the remote will control. To change modes, press the appropriate MODE button. The corresponding background light will turn on.



### TV/VIDEO BUTTON

If you connect the receiver using only the RF or VHF connections, use this button, in **SAT** 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 televisions (check your television owner's manual for more details).



### MENU

In **SAT** mode, press the **Menu** button to open the **Main** menu.

## POWER

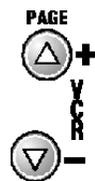
In **SAT** mode, press the **Power** button to turn the receiver ON or OFF. The green power light on the receiver front panel lights up to indicate the receiver is ON. For each mode, the **Power** button will turn that device on and off. **Note:** You must program the remote for that device. See *Programming the Remote to Control Other Devices* on page 3-10.



## PAGE UP OR DOWN ARROWS

In **SAT** mode, press the **Page Up** or **Page Down** arrow to scan, by page, through the listing of channels when you have the **Program Guide** open or, if your receiver supports Themes, the **Theme Categories** menu opens.

In **VCR** mode, these arrows move up or down through the television channels.



## MUTE

In any mode, 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. See "*Programming the Remote to Control Other Devices*" on page 3-10. 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 turning up the volume. **Or,**
- 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 receiver. **Note:** To control your TV, you will need to reprogram the remote back to the code that works for your particular TV.



## VOLUME

In any mode, 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. See "*Programming the Remote to Control Other Devices*" on page 3-10. If, after programming the remote, you still cannot turn up the volume, your receiver may have its own volume. Try one of the procedures described under **Mute**.



## GUIDE

In **SAT** mode, press the **Guide** button to open the **Program Guide**. When the **Program Guide** is open, press the **Guide** button to switch between favourites lists.



## SELECT

In **SAT** mode, press the **Select** button to select the highlighted option in a menu and perform the function.

In **VCR** mode, this is the Play button. Press this button to play the video tape.

In **TV** or **AUX** mode, this button functions as an *Enter* button.



## UP/DOWN/LEFT/RIGHT ARROWS

### In SAT Mode:

- 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).
- If your receiver supports the **Themes** option, when watching a program press the **Left** arrow button to open the **Themes** categories.



### In VCR Mode:

- The **Up** arrow is *Stop*. Press this button to stop the tape
- The **Down** arrow is *Pause*. Press this button to temporarily stop the video tape during recording or play. Press the Pause or Select (Play) button to restart the tape.
- The **Left** arrow is *Rewind*. Press this button to rewind the video tape. During tape play, press this button to rapidly view the video tape as a reverse visual search.
- The **Right** arrow is *Fast Forward*. Press this button to rapidly advance the video tape. During tape play, press this button to rapidly view the video as a forward visual search.

### In TV or AUX Mode:

Use the **Up** or **Down** arrow to channel up or down.

## RECALL

In **SAT,TV,VCR**, and **AUX for Cable TV Box** modes, 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.

**Note:** You must first program the remote to control the device. See *Programming the Remote to Control Other Devices* on page 3-10.



## INFO

In **SAT Mode:**

- Press this button for more information when the **Program Guide** or **Browse Banner** is open, or you are watching a program.
- When a menu is open that includes a **Help** option, press the **Info** button to see the help information for that menu.
- If your receiver supports the **Themes** option, press this button for more information when you have highlighted a program in the **Themes** list.
- When the receiver is OFF, Press the **Info** button to display the **Important System Information** screen.



## VIEW

In **SAT Mode:**

- 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.



## CANCEL

In **SAT** mode, press the **Cancel** button to cancel the current procedure and to return to the previous menu or to watching a program.



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## SYS INFO

In **SAT** mode, press this button to display the **Important System Information** menu.



## RECORD

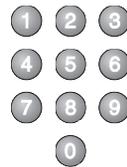
In **VCR** mode, press this button to start recording on the VCR.



## NUMBER PAD BUTTONS

In **ANY Mode**:

- When watching a program or with the **Program Guide** open, enter the 3-digit channel number 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.



## STAR

Used for programming the remote in **AUX** mode.



## POUND

In **SAT** mode, use this button to set and check the address of the remote.



## CONTROLLING THE SOUND VOLUME USING THE REMOTE CONTROL

When you first get the system, it is set up so that the receiver remote can control the sound volume.

**Note:** The TV remote can also control the sound volume. If you turn down or mute the sound volume using the TV remote, the receiver remote control cannot turn the volume back up.

### To change the sound volume, do the following:

- Press the Volume button on the receiver remote control, or
- Press the volume control button on the TV remote control.

## 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. Do not change the address of an IR remote unless absolutely necessary. See *About the IR Remote* on page 3-3. **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. If necessary, do the following procedure to change the address of the remote to specifically control one satellite receiver:

1. Press the **Menu** button on the remote control to display the **Main** menu.
2. Select the **System Setup** option to display the **System Setup** menu.
3. Select the **Installation** option. This displays the **Installation and Setup** menu.
4. Select the **System Info** option. Note the number in the *Remote Address* field.
5. Press and hold the **SAT** button (about three seconds) until all mode key backlights come on, then release. The **SAT** key backlight will flash to indicate it is in the address programming format.
6. Use the number pad buttons to enter a number from 1 to 15. The light will blink off after each digit is entered and then return to a steady light.
7. Press the **#** button. If the code you entered is valid for the remote, the **SAT** mode light blinks three times.
8. Press the **Record** button. The number in the *Remote Address* field should match the one you input.
9. To verify the code, press the **SAT** mode button for 3 seconds. The light will blink back on. Press the pound (**#**) button twice. The light will flash the address number.
10. Select **Cancel** to exit.

## 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 3-12. If the brand is not listed, go to the “*Performing the Remote Control Device Code Scan*” below.
3. Press and hold the **Mode** button for the device you want the remote to control for about 3 seconds. When all other mode lights come on, release the button. It will flash to indicate it is in the address programming format.
4. Use the number pad buttons to enter the code for the device. If you are programming the **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
  - 2 - indicates an audio amplifier or cable box

For example, if you are programming the remote to control a second TV, the mode should be **AUX**. Enter 0 and then the three digit code for that device.

5. Press and release the (**#**) button. If the code is valid, the mode light will blink three times.
6. Test if the code works for the device by pressing the **Power** button. If the code works, the device should turn off.
7. Turn the device back on and try some other functions to make sure they work. Occasionally, the **Power** button may work when other buttons do not. If the code works for other functions, stop here.
8. If the code you entered does not work, repeat the steps 3 - 5 using another code from the tables.
9. 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 on the following page.

## 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 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.

1. Press and hold the **Mode** button for the device you want the remote to control for about 3 seconds. When all other mode lights come on, release the button. It will flash to indicate it is in the address programming format.

For **AUX** mode only, use the number pad buttons to enter the number as indicated below. The press the star (\*) button. This defines the device for which you are scanning as follows:

- 0 - indicates a second TV
  - 1 - indicates a second VCR
  - 2 - indicates an audio amplifier or cable box
2. Press the **Power** button.
  3. Press the **Up** or **Down** arrows to set the remote to the next code. The key backlight remains on through the search. The **Down** arrow button scans backward, the **Up** arrow scans forward. Keep pressing the arrow button, slowly, to continue scanning.  
When the correct code is reached, the device turns off. If the correct code is reached, press the pound (#) button to store the code in the remote. If the code is valid, the appropriate mode light blinks three times.
  4. Press the **Power** button to turn the device back on.
  5. Try some other remote control buttons to make sure you have the correct code.
  6. If the other buttons work, do the next procedure *Determining the Remote Control Device Codes*.
  7. If the other buttons do not work, press the **Power** button to turn on the device and repeat steps 1 - 3. 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:

1. Press and hold the **Mode** button for the device you want the remote to control for about 3 seconds. When all other mode lights come on, release the button. It will flash to indicate it is in the address programming format.
2. Press the pound (#) button twice. 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.

## INSTALLING AN ATTENUATOR

Other UHF signals may block signals from the UHF remote control to the receiver. To prevent such interference, you can install a 10 dB attenuator. This will reduce the sensitivity of the receiver to other UHF signals but also substantially reduce the operating range of the UHF remote control.

1. Remove the UHF antenna from the **UHF Remote Antenna** connection on the receiver back panel.
2. Attach a 10 dB attenuator to the **UHF Remote Antenna** connection.
3. Attach the UHF Antenna to the attenuator.

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## DEVICE CODES FOR PROGRAMMING THE REMOTE

These tables contain the manufacturer codes for programming the remote to control other devices. Every attempt has been made to include all device codes. If your device is not listed or the codes do not work, the remote may not control your device. **Note:** For some receivers, using the code 222 in the *Programming the Remote to Control Other Devices* procedure in **SAT**, **TV**, or **VCR** mode programs the remote to control the receiver sound volume.

Akai	532, 570, 573
Alba	613
A-Mark	620
Amstrad	533
Anam	509, 521, 541, 620, 621, 691, 698
AOC	505, 506, 519, 520, 620, 695, 712
Archer	620
Audiovox	620
Bauer	611
Baycraft	536
Broksonic	562, 691
Candle	506, 522, 523, 525, 691, 695, 708
Caphehart	519, 695
Circuit City	695
Citizen	506, 516, 522, 523, 524, 525, 526, 691, 708
ColorTyme	573, 695
Concerto	523
Contec	527, 528, 541, 591, 691
Craig	521, 536, 541, 691, 694
Crown	526, 536
Curtis Mathes	506, 516, 526, 573, 703, 708
CXC	541, 691
Daewoo	505, 524, 526, 529, 530, 531, 532, 698, 712, 719
Daytron	526, 695
Dixi	532, 588, 620
Dumont	695
Electrohome	526, 573, 695, 709, 713
Elta	532
Emerson	526, 527, 528, 533, 534, 535, 537, 538, 539, 540, 541, 573, 622, 691, 692, 695, 696, 720
Envision	506, 573, 712
Etron	532
Fisher	542, 590
Formenti	611
Fortress	573, 605
Fujitsu	534, 694
Funai	534, 541, 691, 694
Futuretech	541, 691, 694
General Electric (GE)	503, 508, 509, 515, 540, 543, 544, 630, 691, 695, 698, 701, 714, 715, 716
Genexxa	613
Goldstar	505, 523, 526, 545, 546, 573, 588, 693, 695, 712
Granada	695, 711
Grand	695
Grundig	547
Hallmark	695
Hinari	534
Hitachi	523, 526, 548, 549, 550, 551, 552, 553, 554, 555, 585, 597, 626, 702, 713, 718
Infinity	566
JBL	566
JC Penney	503, 505, 506, 514, 516, 526, 531, 543, 596, 701, 712, 714
Jensen	556, 573

JVC	557, 558, 559, 560
Kawasho	548, 561, 712
Kerwood	506, 573, 712
Kloss	522, 561, 610, 698
KTV	526, 539, 540, 541, 591, 696, 712
Lloyds	695
Lloytron	526
Loewe	588
Logik	518
Luxman	523
LXI	503, 563, 566, 590, 595, 617, 625, 701
Magnasonic	573
Magnavox	506, 520, 525, 536, 564, 565, 566, 567, 568, 569, 573, 575, 610, 710, 712
Marantz	506, 566, 573, 588, 712
Matsui	532, 609
Megatron	695
Memorex	518, 632, 690, 795
MGA	504, 505, 506, 571, 573, 695
Mitsubishi	504, 505, 570, 571, 572, 597, 623, 695, 705, 707, 712
MTC	505, 506, 516, 523, 531, 695, 712
NAD	502, 617, 695
National	509, 521, 697, 698
National Quenties	697
NEC	505, 506, 507, 517, 523, 573, 627, 712
Nikkai	612, 613, 618
Nikko	695
Nordmende	551, 717
Novabeam	698
Nyon	701
Onwa	541, 691
Optonica	605, 607
Orion	694
Osaki	612
Osume	591
Panasonic	508, 509, 510, 511, 512, 566, 574, 575, 697, 698, 700, 706, 714, 716
Philco	505, 506, 525, 536, 564, 565, 568, 573, 610, 612
Philips	566, 588
Pioneer	502, 548, 551, 576, 698, 708
Portland	505, 526, 712
Proscan	503
Proton	513, 519, 526, 536, 573, 585, 624, 695
Pulsar	501
Quasar	508, 509, 577, 700
Radio Shack	514, 526, 541, 607, 612, 691, 698
RCA	503, 505, 515, 548, 579, 580, 581, 582, 583, 584, 585, 586, 587, 625, 633, 634, 691, 698, 701, 708, 714, 715, 716
Realistic	590
Saba	551
Saisho	532, 533, 609

Sampo	506, 519, 698, 712
Samsung	505, 506, 516, 523, 526, 532, 588, 612, 695, 704, 712, 721
Sanyo	542, 589, 590, 591, 592, 609
SBR	588
Schneider	588
Scott	526, 534, 537, 541, 593, 600, 691, 696, 701
Sears	503, 523, 534, 542, 563, 589, 590, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 617, 695, 703
Saimitsu	695
Sharp	526, 585, 591, 605, 606, 607, 608, 628, 629
Siemens	591
Signature	518
Silver	573
Simpson	573
Solavox	612
Sony	500, 609, 619, 622
Soundesign	525, 536, 541, 691, 695
Spectricon	520, 620
Squareview	694
SSS	505, 541, 573, 691, 712
Supra	523
Supre-Macy	522
Sylvania	506, 525, 536, 564, 565, 566, 568, 573, 575, 600, 610, 611, 712
Symphonic	632, 692, 694
Tandy	605, 613
Tatung	509, 698
Technics	508
Techwood	523, 573
Teknika	504, 505, 516, 518, 522, 523, 524, 525, 526, 534, 536, 541, 614, 615, 691, 712
Teleavia	551
Telefunken	551
Teletch	532
Tera	513
Thomas	695
Thompson	709
Thomson	551, 616
TMK	523, 573, 695
Toshiba	516, 590, 596, 617, 618, 631
Tosonic	528
Totevision	526
Toyomenko	695
Universal	543
Vector Research	506
Victor	557
Video Concepts	570, 691
Vidtech	505, 695, 712
Viking	522
Wards	505, 506, 515, 518, 534, 536, 543, 564, 565, 567, 568, 607, 619, 712, 714, 715
Yamaha	505, 506, 712
York	695
Zenith	501, 518, 693
Zonda	620

## DEVICE CODES FOR PROGRAMMING THE REMOTE

### VCRs

Aiwa	588, 594, 622, 623, 624
Akai	513, 514, 515, 516, 517, 518, 519, 520, 568
Alba	546
Amstrad	588
ASA	565
Audio Dynamics	594, 600
Broksonic	559
Bush	589
Candle	580, 592, 593
Canon	542, 553, 554
Capehart	543, 546
Citizen	591, 592, 593
Craig	591, 608
Croslex	553
Curtis Mathes	554, 592, 605
Daewoo	534, 546, 547, 593, 626, 627
Daytron	546
DBX	594, 600
Dumont	549
Dynatch	588
Electrohome	609
Emerson	505, 506, 507, 508, 509, 510, 511, 512, 559, 568, 588, 590, 609, 618
Finlandia	549
Finlux	549, 565, 588
Fisher	548, 549, 584, 608, 610
Funai	588
General	550, 551, 552, 554, 572, Electric (GE) 591, 605
Goldstar	530, 555, 592, 612, 613
Goodmans	585, 589
Go Video	620
Granada	549, 581
Grundig	565
Harman Kardon	530, 569
Hinari	589
Hitachi	536, 537, 538, 539, 540, 541, 553, 588, 596, 597
Instant Replay	553
ITT	518
JC Penney	530, 554, 580, 591, 594, 600, 601
Jensen	560
JVC	561, 562, 563, 564, 592, 600, 601
Kenwood	562, 581, 592, 600, 601
Lloyd	588
Logik	589
Luxor	518
Magnavox	527, 553, 554, 556, 565, 611
Marantz	530, 554, 565, 585, 592, 594, 600, 601, 603
MEI	554
Memorex	533, 549, 554, 566, 581, 585, 588, 608

MGA	567, 568, 609
Mitsubishi	562, 567, 568, 569, 570, 571, 609
MTC	544, 580, 088
Multitech	588, 589, 591
NAD	573
NEC	530, 531, 532, 562, 592, 594, 599, 600, 601, 602, 603, 104
Olympic	553
Optonica	585
Orion	506, 507, 629
Panasonic	521, 522, 523, 524, 526, 553, 554, 598, 614, 628
Pentax	537, 592
Perdio	588
Philco	553, 554, 611
Philips	553, 554, 565, 585
Pioneer	553, 562, 573, 574, 575, 576, 600
Portland	546, 593
Proscan	605
Pulsar	533
Quartz	581
Quasar	553, 554, 577, 578
Radio Shack	607, 608, 609, 610
RCA	525, 526, 527, 528, 529, 537, 553, 556, 591, 605, 606, 615, 630, 631
Realistic	549, 554, 580, 581, 584, 585, 588
Ricoh	502
Saisho	506, 507
Salora	567, 581
Samsung	517, 534, 579, 580, 591
Sansui	532, 544, 562, 600, 621
Sanyo	549, 581, 582, 583, 599, 608
SBR	565
Schneider	589
Scott	508, 559, 590
Sears	548, 549, 581, 584, 608, 610
Sentra	546
Sharp	585, 607, 609, 625
Shintom	589
Sony	500, 501, 502, 503, 504
Sylvania	553, 554, 556, 567, 588, 611
Symphonic	588, 594
Tandy	588
Tashiko	588
Tatung	586, 594, 601
Teac	588, 594, 601
Technics	553, 554
Teknika	554, 587, 588
TMK	506
Toshiba	534, 535, 567, 590
Totevision	580, 591
Unitech	580

Vector Research	530, 600
Victor	561, 562, 600
Video Concepts	568, 600
Videosonic	591
Wards	527, 554, 580, 585, 588, 589, 590, 591, 607, 608, 609
Yamaha	530, 592, 594, 600, 601
Zenith	501, 502, 533

### Tuners/Amplifiers

Aiwa	2656, 2668, 2680, 2684
Akai	2667
Carver	2653, 2672
Denon	2674
Fisher	2653, 2672
GE	2665
Goldstar	2677
JVC	2657, 2683
Kenwood	2676
Luxman	2681
LXI	2665
Marantz	2651
Memorex	2675
NAD	2669
Nakamichi	2671
Onkyo	2660, 2662, 2678
Optimus	2664
Panasonic	2652
Pioneer	2658, 2675, 2679
Proton	2654
Quasar	2652
RCA	2655
Realistic	2665, 02666
Scott	2659
Sherwood	2670
Sony	2673, 2680
Symphonic	2666
Technics	2652
Victor	2657
Yamaha	2663, 02682

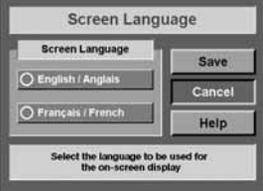
### Cable TV Boxes

Eastern	2649
GI/Tocom	2640
Jerrold	2635, 2636
Memorex	2637
Oak	2646
Panasonic	2637, 2644, 2645
Paragon	2637
Pioneer	2642, 2643
Regency	2649
Scientific Atlanta	2638, 2639, 2647, 2648, 2650
Zenith	2641

## CHANGE LANGUAGES

---

To change the menu and screens language from English to French or vice versa, do the following:

	Remote Buttons	Menu Options
1. Press the <b>Menu</b> button to open the <b>Main Menu</b> .		
2. Select the <b>System Setup</b> option.		
3. Select <b>Installation</b> .		
4. Select the <b>Language Setup</b> option.		
5. You will see a screen that asks you which language you want. Select English or French, then select the <b>Save</b> button on the screen. From now on, most screens will appear in the language of your choice.		

## 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 Favourites List. See the appropriate sections of this chapter for the procedures to use these features.

### 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.
- Browse** 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. First you must highlight the menu option, then you can select it.



**1 Program Guide**

### HIGHLIGHTING A MENU OPTION

To highlight a menu option, use the remote control **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” like this:



### 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.

**Or:**

- Move the highlight to the menu option using the remote control **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.



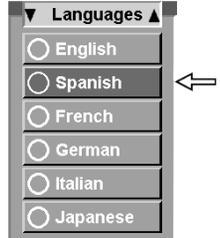
## HIGHLIGHTING A CHOICE IN A MENU LIST

Use the remote control **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.

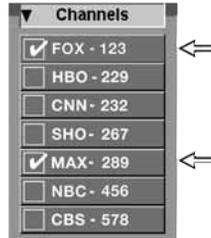
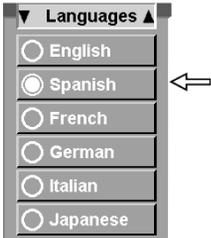
When you highlight a choice in a single-selection list, it typically appears as shown here.



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.

## 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 3-39.

**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 Favourites 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 Favourites Lists on page 3-29 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 1-6.
- 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

Remote  
Buttons

Menu Options

**Either:** Press the Guide button.



**Or:**

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

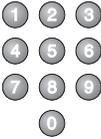
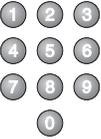


2. Select the **Program Guide** option.

1 **Program Guide**

### 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 3-48.

	Remote Buttons	Menu Options
<b>Either:</b>		
1. Use the number pad buttons to enter the desired channel number. The <b>Program Guide</b> displays the channel number and a block of channels including the one just entered.		
2. Use the <b>Arrow</b> buttons to move the highlight to the desired program.		
3. If desired, press the <b>Info</b> button for more information about the highlighted program.		
Press the <b>Cancel</b> button to return to the <b>Program Guide</b> .		
4. Press the <b>Select</b> button to change to the new channel.		
<b>Or:</b>		
1. Press the <b>Page Down</b> button to page down, or the <b>Page Up</b> button to page up through the <b>Program Guide</b> .		
<b>Or:</b>		
1. Enter a number of hours using the number pad buttons. The <b>Program Guide</b> displays that number of hours in the upper right hand corner.		
2. Press the <b>Left</b> or <b>Right</b> arrow button to skip the display forward or backward that many hours. <b>Note:</b> The <b>Program Guide</b> can display programs scheduled for an extended time beyond the present.		

The **Program Guide** may contain any or all of the items shown below:

The screenshot shows a program guide for Wednesday, March 23, 2005, on Bell ExpressVu. The interface includes a header with the current date and time (8:30 pm), a 'Favourite List' for 'ALL CHAN', and a skip function set to 24 hours. Below the header is a grid of program listings for the day, with columns for 8:30 pm, 9:00 pm, and 9:30 pm. Programs listed include 'Last of the Mohicans', 'Bounty Tracker', 'Secrets of the Deep', 'Justice Files', 'Reboot', 'Are You Afraid of the Dark?', 'The Lives of a Bengal Lancer', 'Best of Comic Relief', 'Alfred Hitchcock Presents', 'Hitchhiker', 'Ren & Stimpy', 'Star Trek', and 'To Be Announced'. A 'Program List' label points to the grid. A lock icon in the top left indicates the system is locked. Arrows on the left indicate the current day and time, and arrows on the right indicate the time of the program in view.

Lock status of the system

Current date and time

Currently active Favourite List (colour-coded)

Channel number or number of hours to skip

Day of the programs in view

Time of the programs in view

Program List

Channel number and name

Indicates that this program began or will end in a time period that is not in view.

Indicates that the last available time period available is in view (you cannot display a time later than this).

Indicates that the first viewable time period is in view (you cannot display a time earlier than this).

Allows you to skip backward or forward a desired number of hours. Enter the number of hours using the remote control numeric pad, then press the **Left** or **Right** arrow button. Also allows you to skip to another channel number. Enter the channel number, then press the **Select** button.

### CLOSING THE PROGRAM GUIDE

Remote  
Buttons

Menu Options

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**.



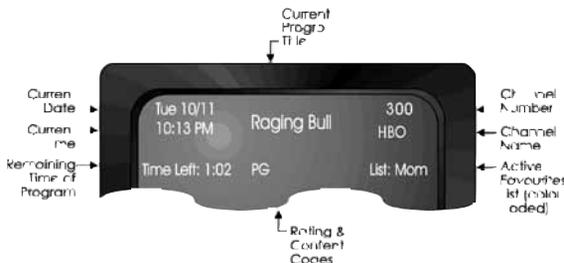
## DISPLAYING PROGRAM INFORMATION WHILE WATCHING A PROGRAM

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

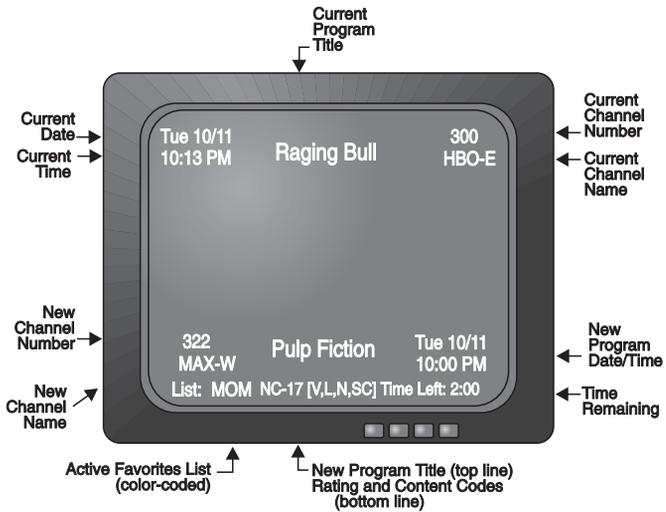
The **Program Banner** provides information about the program you are watching. The receiver displays it for a few seconds at the top of the TV screen every time you change the channel or press the remote control **View** button. The information varies, depending on the specific program, but may include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



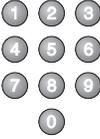
## USING THE BROWSE BANNER

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 **Browse** button or the **Right** arrow button.



### DISPLAYING THE BROWSE BANNER FOR OTHER PROGRAMS

	Remote Buttons	Menu Options
1. Press the remote control <b>Browse</b> button to open the <b>Browse Banner</b> for the program that you are watching.		
2. <b>Either:</b> Enter the channel number for the desired program, using the number pad buttons.  <b>Or:</b> Press the <b>Up</b> or <b>Down</b> arrow button to display the desired channel in the bottom part of the <b>Browse Banner</b> .		
3. Press the <b>Right</b> arrow button to display the next program. Press the <b>Left</b> arrow button to display the previous program.		
<b>Note:</b> 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 <b>INFO</b> button for more information about the program listed, if desired.		

### CHANGING CHANNELS USING THE BROWSE BANNER

	Remote Buttons	Menu Options
If you are using the <b>Browse Banner</b> and see a program that you want to watch, press the <b>Select</b> button to change to the new channel. Make sure the program is displayed in the bottom part of the <b>Browse Banner</b> .		
<b>Note:</b> If you select a program that has not started yet, the receiver displays the <b>Create an Event Timer</b> menu. See <i>Setting and Using Event Timers</i> on page 3-48.		

## 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 prevent unauthorized purchases please ensure the receiver is locked, see *Locking The Receiver* on page 3-40. The receiver must be connected to an active telephone line. (Refer to page 3-48 for how to perform Telephone Connection Diagnostic Test). 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.

### BELL EXPRESSVU PPV PURCHASE INFORMATION

When you purchase Bell ExpressVu PPV programs, the receiver stores the information in its memory. The receiver dials into the Bell ExpressVu Customer Service Call Centre periodically to send the purchase information. These phone calls are made in the middle of the night, at irregular times, and are toll-free (no cost to you). Should you need to use your telephone when the receiver is calling Bell ExpressVu, the Bell ExpressVu call will be automatically terminated.

ATTENTION!



If you disconnect the receiver from your phone line, you will not be able to purchase Bell ExpressVu PPV programs using the receiver.

If your Bell ExpressVu receiver is not continually plugged into the phone line, it may not be able to clear the PPV purchases it has stored in its memory. This will prevent you from purchasing additional PPV events. The receiver will limit both the number and the total dollar amount of purchases.

The following messages indicate that the receiver needs to call Bell ExpressVu:

**Your purchase of this event is in the process of being authorized. Your receiver MUST BE connected to a phone line. Please try again later. Press the "Up" or "Down" arrow button to change channels.**

**The credit limit on your smart card has been exceeded. An authorization from the Bell ExpressVu Customer Service Call Centre is required. Your receiver must be connected to a phone line. The call and authorization could take several minutes.**

If you get one of these messages, check to ensure that your phone line is properly connected to the receiver as per the instructions in the *Installation Guide*. You should perform a phone line test to ensure the connection is working properly (see page 3-48).

# Using The System

## Ordering Pay Per View Programs

3

Once you have verified your phone connection, powering the receiver off and on with the remote control will expedite the receiver's phone call to Bell ExpressVu.

**Note:** If you order a large number of PPV items in a short period of time (a single day for example), or if your receiver was not properly connected to the telephone line, it may take up to 48 hours for the call to go through to allow you to make additional purchases.

### Remote Buttons

### Menu Options

- 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. Your PPV selection will begin at its scheduled start time.

**Or:** Highlight and select the **No** or **Cancel** option to cancel the purchase. **Note:** You can not 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 3-48.

**Remote  
Buttons**

**Menu Options**

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.

4. Use the **Arrow** buttons to move the highlight to the desired program in the program list.



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



## USING FAVOURITES LISTS

---

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

**Note:** The ALL CHAN Favourites 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 Favourites List.

- You can tune the receiver to a channel whether or not that channel is on the active Favourites 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 Favourites List. However, if the program has not started yet, the receiver displays the **Create an Event Timer** menu. See *Setting and Using Event Timers* on page 3-48.

You can create up to four different Favourites Lists, each including up to 30 channels. Each Favourites List is indicated by a slightly different colour 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 FAVOURITES LIST ACTIVE

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

### Remote Buttons

### Menu Options

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



**Or:**

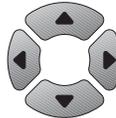
1. Press the **Menu** button to display the **Main** menu.



2. Select the **Favourites** option.



3. Use the **Arrow** buttons to move the highlight to the desired Favourites List.



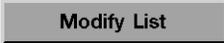
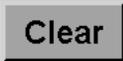
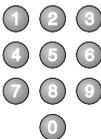
4. Highlight and select the **Save** option.



**Note:** If you try to make an empty Favourites 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.

### CREATING OR MODIFYING A FAVOURITES LIST

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

	Remote Buttons	Menu Options
1. Press the <b>Menu</b> button to display the <b>Main</b> menu.		
2. Select the <b>Favourites</b> option.		
3. Use the <b>Arrow</b> buttons to move the highlight to the option for the Favourites List that you want to create or change. Press the <b>Select</b> button to select the highlighted list.		
4. Highlight and select the <b>Modify List</b> option. This displays the list of channels in the Favourites List. If you select the ALL CHAN Favourites List and then select the <b>Modify List</b> option, the receiver displays an error message. You must select another Favourites List to modify.		
<b>Note:</b> At any time you can highlight and select the <b>Clear</b> option to immediately remove all channels from the current list. The <b>Clear</b> option appears on the menu you use to modify a Favourites List, but is not displayed for the ALL CHAN list because you cannot clear the ALL CHAN list.		
5. Use the <b>Arrow</b> buttons to move the highlight to the <b>Channels</b> list. In that list, move the highlight to a channel you want to add to the Favourites List.		
<b>Either:</b> Use the <b>Up</b> or <b>Down</b> arrow button to bring the desired channel into view.		
<b>Or:</b> Use the number pad buttons to enter the channel number.		

# User Guide

6. Press the **Select** button to add the highlighted channel to the Favourites Lists.

**Note:** Repeat steps 5 and 6 until all desired channels are added.



7. To delete a channel from the Favourites 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 Favourites List.



## CHANGING THE NAME OF A FAVOURITES LIST

Remote  
Buttons

Menu Options

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



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



3. Use the **Arrow** buttons to move the highlight to the Favourites 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 Favourites List.

5. Use the **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.

Save

## 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 the Bell ExpressVu Customer Service Call Centre to keep unauthorized people from calling and ordering services (see *Personal Identification Number* on page 3-42).

**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.

## 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

	Remote Buttons	Menu Options
1. Press the <b>Menu</b> button to display the <b>Main</b> menu.		
2. Select the <b>Locks</b> 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 <b>OK</b> option. Press the Select button.		

3. Select the **Channel Locks** option.



4. Use the **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 3-40.

## 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 4-9 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.

## Remote Buttons

## Menu Options

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

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.



4. Use the **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 14+ (PG) rated programs, then all programs with the 18+ (R), NC-17, and NR/AO ratings are also locked.

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



5. Use the **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.

6. To unlock a rating code, use the **Arrow** buttons to move the highlight to the code. Press the **Select** button.

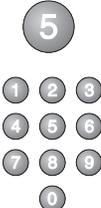
7. Highlight and select the **Save** option to save the changes.



8. **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 3-40.

## LOCKING THE RECEIVER FRONT PANEL CONTROL BUTTONS

This procedure is useful if you want to prevent anyone else from changing the channel. However, it does not lock the remote control buttons.

	Remote Buttons	Menu Options
<ol style="list-style-type: none"><li>1. Press the <b>Menu</b> button to display the <b>Main</b> menu.</li></ol>		
<ol style="list-style-type: none"><li>2. Select the <b>Locks</b> option. <b>If the receiver is locked</b>, 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 <b>OK</b> option. Press the <b>Select</b> button to display the <b>Parental and System Locks</b> menu.</li></ol>		
<ol style="list-style-type: none"><li>3. Select the <b>Front Panel Lock</b> option.</li></ol>		
<ol style="list-style-type: none"><li>4. Highlight and select the <b>Yes</b> option.</li></ol>		
<ol style="list-style-type: none"><li>5. If the receiver is not locked, you must lock it to put the lock you just created into effect. See <i>Locking the Receiver</i>, on page 3-40.</li></ol>		

## 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.

	Remote Buttons	Menu Options
1. Press the <b>Menu</b> button to display the <b>Main</b> menu.		
2. Select the <b>Locks</b> 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 <b>OK</b> option. Press the <b>Select</b> button.		
3. Select the <b>Front Panel Lock</b> option.		
4. Highlight and select the <b>Yes</b> option.		

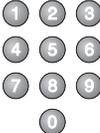
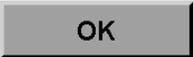
## ACCESSING A LOCKED CHANNEL, PROGRAM, OR THE PARENTAL AND SYSTEM LOCKS MENU

See *Ordering Pay Per View Programs* on page 3-26 for the procedure to order a pay per view program when the receiver is locked.

	Remote Buttons	Menu Options
1. Select a channel or a program that is locked. The receiver displays an “Attention” message telling you that the item is locked.		
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 <b>OK</b> option.		
3. Press the <b>Select</b> 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 (prevents) the purchase of added cost services. If you forget your password, you will need to speak with a Bell ExpressVu Customer Service Call Centre Representative.

	Remote Buttons	Menu Options
1. Press the <b>Menu</b> button to display the <b>Main</b> menu.		
2. Select the <b>Locks</b> option to display the <b>Parental and System Locks</b> menu. <b>Note:</b> If the receiver displays a message prompting you to enter a password, it has already been locked.		
3. Select the <b>Lock System</b> option. The receiver displays a message prompting you to enter a password. <b>Note:</b> If this option appears as <b>Unlock System</b> 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.		
<i>Write down the password and put it in a safe place.</i> From now on, you must enter this password to lock or unlock the receiver.		
5. Highlight and select the <b>OK</b> 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.

	Remote Buttons	Menu Options
1. Press the <b>Menu</b> button to display the <b>Main</b> menu.		
2. Select the <b>Locks</b> 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 <b>OK</b> option.		
3. Press the <b>Select</b> button.		
4. Select the <b>Unlock System</b> option. If this option appears as Lock System instead, the receiver is already unlocked.		

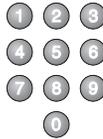
## CHANGING THE RECEIVER PASSWORD

	Remote Buttons	Menu Options
1. Press the <b>Menu</b> button to display the <b>Main</b> menu.		
2. Select the <b>Locks</b> option. <b>If the receiver is locked</b> , 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 <b>OK</b> option.		
3. Press the <b>Select</b> button. This displays the <b>Parental and System Locks</b> menu.		

4. Select the **Change Password** option.



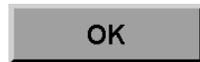
5. Enter the current password using the number pad buttons. As soon as you enter the fourth digit of the password, the receiver highlights the **OK** option. Press the **Select** button.



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:** 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.*

## PERSONAL IDENTIFICATION NUMBER

You can set up a Personal Identification Number (PIN) that is assigned to your account at the Bell ExpressVu Customer Service Call Centre. Thereafter, this PIN will be requested by the Bell ExpressVu Customer Service Call Centre to authorize any transactions to your account. This includes purchasing services, account inquiries, and overriding the receiver security password.

You can select the PIN when you first turn on your service, or at any time thereafter.



If you forget your PIN, you will need to speak with a Bell ExpressVu Customer Service Representative at 1-888-SKY-DISH. The Bell ExpressVu Customer Service Representative may ask for additional information to confirm that you are authorized to make transactions on 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 procedure:

Resetting the receiver to the factory default settings discards all Favourites 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.

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

## 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 video-taping 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.



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.

## 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.

	Remote Buttons	Menu Options
1. Press the <b>Menu</b> button to display the <b>Main</b> menu.		
2. Select the <b>System Setup</b> option to display the <b>System Setup</b> menu.		
3. Select the <b>Alternate Audio</b> option.		

4. Use the **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:** 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

	Remote Buttons	Menu Options
1. Press the <b>Menu</b> button to display the <b>Main</b> menu.		
2. Select the <b>System Setup</b> option to display the <b>System Setup</b> menu.		
3. Select the <b>Diagnostics</b> option to display the <b>Diagnostics</b> menu.		
4. In the <b>Diagnostics</b> menu, select the option for the diagnostic test that you want to do, as listed below.		

### FRONT PANEL BUTTONS DIAGNOSTICS TEST

	Remote Buttons	Menu Options
1. Select the <b>Front Panel</b> option.		
2. Press the receiver front panel <b>Up</b> or <b>Down</b> arrow button. <b>Note:</b> If you press the receiver front panel <b>Power</b> button (the center button of the three buttons on the front panel), the receiver turns OFF, ending the test.		
<p>If the front panel <b>Control Buttons</b> are working correctly, the receiver briefly displays a message that says “Front Panel button.” If the front panel <b>Control Buttons</b> are not working correctly, the receiver displays a failure message. In this case, see the <i>Performing Diagnostic Tests</i> section of the <i>Problems and Solutions Tables</i> that begin on page 4-10.</p>		
3. Press the remote control <b>Power</b> or <b>Cancel</b> 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.

	Remote Buttons	Menu Options
1. Select the <b>Remote Control</b> option.		
2. Press any remote control button, except the <b>Power</b> , the <b>Cancel</b> , the <b>Page Up</b> or the <b>Page Down</b> 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 <i>Performing Diagnostic Tests</i> section of the <i>Problems and Solutions Tables</i> that begin on page 4-10. <b>Note:</b> This test does not cover the remote control <b>Page Up</b> and <b>Page Down</b> buttons.		
3. Press the <b>Power</b> button or <b>Cancel</b> 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 4-10.

## 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 4-10.

## 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 Bell ExpressVu Customer Service Call Centre for assistance.

**Note:** This test may temporarily distort the TV picture.

## SETTING AND USING EVENT TIMERS

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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.

## QUICK RECORD FEATURE

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

	Remote Buttons	Menu Options
1. Use the <b>Up</b> or <b>Down</b> arrow button to highlight a future event in the <b>Browse Banner</b> , the <b>Program Guide</b> or <b>Theme Categories</b> .		
2. Press the <b>Record</b> button. The receiver displays a menu indicating that an event timer has been created.		
3. Press the <b>Select</b> 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 event 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.

	Remote Buttons	Menu Options
1. Press the <b>Menu</b> button to display the <b>Main</b> menu.		
2. Select the <b>Timers</b> option.		
3. From the <b>Event Timer Management</b> menu, highlight the event you want to edit then highlight the <b>Edit</b> option and press the <b>Select</b> button.		
4. On the <b>Edit a Manual Event Timer</b> menu, revise the <i>Type</i> , <i>Frequency</i> and <i>Channel</i> options, as desired, highlight the <b>Set Date/Time</b> option and press the <b>Select</b> button.		
5. On the <b>Set Date/Time for Manual Timers</b> menu, edit the <i>Start Time</i> , <i>Stop Time</i> and <i>Date</i> , as desired. Highlight the <b>Create Timer</b> option and press the <b>Select</b> button.		
6. The <b>Event Timer Management</b> menu reflects the edits made.		

## DELETING AN EVENT TIMER

	Remote Buttons	Menu Options
1. Press the <b>Menu</b> button to open the <b>Main Menu</b> .		
2. Select the <b>Timers</b> option and press <b>Select</b> to display the <b>Event Timer Management</b> menu.		
3. Press the <b>Up</b> or <b>Down</b> arrow button to highlight an Event Timer that you want to delete.	 	
4. Press the <b>Select</b> button. A check mark will appear in the box next to the desired Event Timer.		
5. Press the <b>Up</b> or <b>Down</b> arrow button to highlight the <b>Delete</b> option.		
6. Press the <b>Select</b> button to delete the event timer(s).		
<b>Or:</b> To return to the <b>Main Menu</b> without deleting any event timer, press the <b>Cancel</b> 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

Your *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).

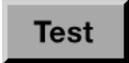
If the receiver is OFF at the time a *Reminder* Event Timer is scheduled to operate, the timer will turn the receiver ON and tune it to the channel you last watched. The receiver will then display the reminder menu. You will have a few seconds to respond. If you do not respond to the reminder menu, your 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 your VCR. First, the remote to control the VCR (see "*Programming the Remote to Control Devices*" on page 3-10). 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-coloured, smooth surfaces.

	Remote Buttons	Menu Options
1. Press the <b>Menu</b> button to display the <b>Main Menu</b> .		
2. Select the <b>System Setup</b> option.		
3. Select the <b>Installation</b> option.		
4. Select the <b>VCR Setup</b> option.		
5. <b>Either:</b> Enter the 3-digit code number, from the tables, using the numeric keypad.		
<b>or</b>		
Highlight each digit of the VCR code, and then press the <b>Up</b> or <b>Down</b> 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 <b>Test</b> option. The receiver displays a message warning you to make sure the VCR is turned ON		
7. Press the <b>Select</b> button to start the test. Your VCR records for a few seconds, stops, and then rewinds. The receiver display 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:

A rectangular button with a grey gradient and a black border, containing the word "Save" in bold black text.

**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 entering a VCR code just entered, press the **Cancel** button.



9. Your VCR records for a few seconds, stops, and then rewinds. The receiver display 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 entering a VCR code just entered, press the **Cancel** button.

## USING DIGITAL AUDIO OUTPUT

The model 4700 receiver supports the output of digital audio through the **Dolby\*** **Digital** jack on the back of the receiver. To use this feature, you must have a compatible amplifier/decoder that supports one of the following features:

- Dolby Digital (AC-3) digital input
- Linear PCM digital input

Many amplifiers/decoders with Dolby Digital input support Linear PCM audio input through the same input jack.

The output of the **Dolby Digital** jack will depend on the availability of a particular audio track on the program you are currently watching. **Only selected programs will be available with a 6-channel Dolby Digital sound track.** Other programs may have surround sound features which are carried by the Linear PCM digital audio input.

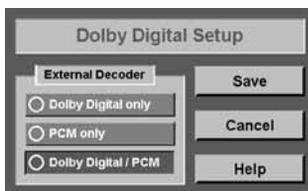
**Note:** Surround sound is only available if provided by the broadcaster of the particular program.

The output of the **Dolby Digital** jack is as follows:

- **If the program is being transmitted with a Dolby Digital soundtrack** then either the Dolby Digital soundtrack or the Linear PCM soundtrack is available on the **Dolby Digital** jack
- **If the program does not have a Dolby Digital soundtrack** then only the Linear PCM soundtrack is available.

The exact output of the **Dolby Digital** is configurable as follows:

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** menu, choose one of the following options:



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**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 of the TV.

\* Dolby is a trademark of Dolby Laboratories.