

USING THE REMOTE CONTROL



The next several pages provide instructions for using the remote control. Follow the instructions that pertain to the appropriate model type you have.

REMOTE A

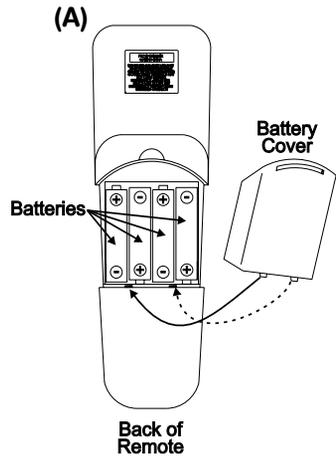
INSTALLING BATTERIES IN REMOTE TYPE A

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

1. Press down on the slot in the battery cover (on the back of the remote control) and remove the cover.
2. Insert the new batteries, making sure to match the plus (“+”) ends with the plus markings on the battery case.

Place only two batteries in the remote. Place the batteries only in the two center positions. Do not remove the spacers that prevent batteries from being placed in the two outside positions.

3. Replace the battery cover by inserting the tabs into the slots, and snapping the cover into place.



USING THE REMOTE CONTROL BUTTONS (REMOTE A)

TV/VIDEO BUTTON

Press the remote control **TV/Video** button to switch the signal output from the receiver back panel **TV Set Out (RF or VHF Connection)** between satellite TV and broadcast or cable TV.



BROWSE

When watching a program, press the remote control **Browse** button to display the **Browse Banner**. **Note:** You can also display the **Browse Banner** by pressing the remote control **Right** arrow button.



POWER

Press the remote control **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. **Note:** You can also turn the receiver ON or OFF using the front panel **Power** button. See *Turning the Receiver On and Off* on page 3-20 for details.



MUTE

Press the remote control **Mute** button to temporarily activate the mute function. This displays **Mute** on the TV screen. Press the **Mute** button again to restore the sound. **Note:** The remote control **Mute** button mutes the sound volume output by the satellite receiver. Even if you restore the receiver sound volume, you must still restore and/or turn up the sound volume of the television or audio system that you use.



MENU

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



VOLUME

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 temporarily displays a volume scale on the TV screen. **Note:** The remote control **Volume** button controls the sound volume output by the satellite receiver. Even if you adjust the receiver sound volume, you must still adjust the sound volume of the television or audio system that you use. See *Controlling the Sound Volume Using the Remote Control* in this section.



GUIDE

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



UP/DOWN/LEFT/RIGHT ARROWS



- When using a menu, press the **Up**, **Down**, **Left**, or **Right** arrow buttons to move the highlight to the desired option.
- When watching a program, press the **Right** arrow to open the **Browse Banner**.
- When watching a program, press the **Left** arrow button to open the **Theme Categories** menu.
- When watching a program, press the **Up** or **Down** arrow button to change the channel.
- When you have the **Browse Banner** open, press the **Up** or **Down** arrow button to view the **Browse Banner** for the next channel.
- When a menu offers you a list of choices, press the **Up** or **Down** arrow button to bring more choices into view.
- When you have the **Program Guide** open, press the **Up** or **Down** arrow button to move the highlight through the channels.
- When you must enter a number in a menu, press the **Up** or **Down** arrow button to increase or decrease the number where you have placed the highlight.
- When you have a **Browse Banner** or the **Program Guide** open, press the **Left** or **Right** arrow button to display the current or next program. **Note:** The receiver cannot display a time period earlier than the present.

SELECT

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



INFO

- 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.

Note: To display the **Important System Information** menu, press the remote control **System Information** button (see below), not this button.

VIEW

- Press the **View** button to return to watching a program.
- If already watching a program, press the **View** button to briefly display the **Program Banner**.
- If you are using the menus, press the **View** button to cancel the procedure and immediately exit back to the program.



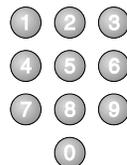
CANCEL

Press the **Cancel** button to cancel a procedure you are doing and return to the previous menu or to watching a program.



NUMBER PAD BUTTONS

- When watching a program or with the **Program Guide** open, enter the channel number and press the **Select** button to change immediately to that channel.
- Use the number pad buttons to enter menu option numbers.
- Use these to enter a number such as a 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.
Note: The receiver cannot display a time period earlier than the present.



SYSTEM INFORMATION

Press this button to display the **Important System Information** menu. **Note:** For program information or **Help** option information, press the remote control **Information** button (see above), not this button.



User Guide

RECALL

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

RECALL



PAGE UP

When you have the **Program Guide** or a **Theme Categories** menu open, press the remote control **Page Up** button (in the **Guide Paging** area on the remote) to page up through the listing of channels.



PAGE DOWN

When you have the **Program Guide** or a **Theme Categories** menu open, press the remote control **Page Down** button (in the **Guide Paging** area on the remote) to page down through the listing of channels.



ABOUT THE REMOTE CONTROL (REMOTE B)



REMOTE B

The 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 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.

REMOTE TYPE: UHF OR IR

There are two types of 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 Remote Address* procedure on page 3-13. 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 3-13.

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 Remote Address* procedure on page 3-13 to change the address of the remote to specifically control one satellite receiver.

INSTALLING BATTERIES IN REMOTE TYPE B

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 REMOTE (REMOTE B)

THE REMOTE CONTROL BUTTONS

This section describes the buttons on the 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).

TV/VIDEO



MENU

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

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 3-14.



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 3-14. 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* (Page 3-14) 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 3-14. 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 3-14.



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

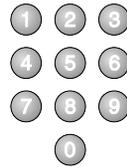
In **VCR** mode, press this button to start recording on the VCR.



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.



CHANGING THE DIGITAL 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 3-7. **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.

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.

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 3-16. 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.

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DEVICE CODES

Use these codes to set up the remote to control other devices. If a device is not listed or the codes do not work, the remote may not be able to control the device. **Note:** The end of the VCR table provides codes for DVD players. *Only* for a receiver that has its own volume control, use code 222 with the remote in **SAT, TV**, or **VCR** mode to set up the remote to control the receiver sound volume.

TVS

Akai	532, 570, 573
Alba	613
A-Mark	620
Arnstrad	533
Anam	509, 541, 620, 621, 691, 698
AOC	505, 506, 519, 520, 620, 695, 712
Archer	620
Audiovox	620
Bauer	611
Baycraft	536
Brockwood	695
Broksonic	562, 691
Candle	506, 522, 523, 525, 536, 691, 695, 712
Capehart	519, 695
Circuit City	695
Citizen	506, 516, 522, 523, 524, 525, 526, 691, 712
ColorTyme	573, 695
Concerto	523
Contec	527, 528, 541, 591, 691
Craig	536, 541, 691, 694
Crown	526, 536
Curtis Mathes	506, 516, 526, 573, 703, 712
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, 709, 713
Elta	532
Emerson	526, 527, 528, 533, 534, 535, 536, 537, 538, 539, 540, 541, 573, 622, 691, 692, 695, 696, 699, 720
Envision	506, 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, 695, 698, 701, 714, 715, 716
Genexxa	613
Goldstar	505, 523, 526, 545, 546, 573, 588, 693, 712
Granada	695, 711
Grand	695
Grandiente	711
Grundig	547
Hallmark	695
Harman Kardon	561
Hinari	534
Hitachi	523, 526, 548, 549, 550, 551, 552, 553, 554, 555, 585, 597, 626, 702, 718
Infinity	566
JBL	566
JC Penney	503, 505, 506, 516, 526, 531,

	543, 596, 701, 714
Jensen	556, 573
JVC	557, 558, 559, 560
Kawasho	548, 561, 712
Kenwood	506, 573, 712
Kloss	522, 561, 610, 698
KTV	526, 539, 540, 541, 691, 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, 532, 590, 695, 720
MGA	504, 505, 506, 571, 573, 695
Mitsubishi	504, 505, 570, 571, 572, 597, 623, 695, 705, 707, 712
Montgomery Wards	505, 506, 515, 518, 534, 536, 543, 564, 565, 567, 568, 607, 619, 712, 714, 715
MTC	505, 506, 516, 523, 531, 695, 712
NAD	502, 617, 695
National	509, 697
National Quenties	697
NEC	505, 506, 507, 517, 523, 573, 627, 712
Nikkai	612, 613, 618
Nordmende	551
Normande	717
Novabeam	561, 698
Nylon	701
Onwa	541, 691
Optonica	605, 607
Orion	694
Osaki	612
Panasonic	508, 509, 510, 511, 512, 566, 574, 689, 697, 698, 700, 706, 714, 716
Philco	505, 506, 525, 536, 564, 565, 568, 573, 610, 712
Philips	566, 588
Pioneer	502, 548, 551, 576, 708
Portland	505, 526, 712
Proscan	503
Proton	513, 519, 526, 536, 585, 624, 695
Pulsar	501
Quasar	508, 509, 577, 698, 700
Radio Shack	526, 541, 607, 612, 691, 698
RCA	503, 505, 515, 548, 579, 580, 581, 582, 583, 584, 586, 587, 625, 633, 634, 691, 698, 701, 708, 714, 715, 716
Realistic	590

Saba	551
Saisho	532, 533, 609
Sampo	506, 519, 698
Samsung	505, 506, 516, 523, 526, 532, 588, 612, 695, 704, 712, 721
Samwon	620
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, 598, 599, 601, 602, 603, 604, 617, 695, 703
Seimitsu	695
Sharp	526, 585, 591, 605, 606, 607, 608, 628, 629
Siemens	591
Signature	518
Silver	573
Solavox	612
Sony	500, 514, 521, 578, 609, 619, 622, 685, 686, 687, 688, 690
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
Televia	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
Videch	505, 695, 712
Viking	522
Yamaha	505, 506, 712
York	695
Zenith	501, 518, 693
Zonda	620

DEVICE CODES FOR PROGRAMMING THE REMOTE

VCRs

Aiwa	588, 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, 545, 546, 547, 593
Daytron	546
DBX	594, 600
Dumont	549
Dynatech	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, 588, 608, 610
General Electric (GE)	550, 551, 552, 554, 572, 591, 605
Goldstar	530, 555, 592, 612, 613
Goodmans	585, 589
Go Video	557, 558, 620
Granada	549, 581
Grundig	565
Harman Kardon	530, 569
Hinari	589
Hitachi	536, 537, 538, 539, 540, 541, 553, 588, 595, 596, 597
Instant Replay	553
ITT	518
JC Penney	530, 554, 580, 591, 594, 600, 601
Jensen	560
JVC	561, 562, 563, 564, 592, 594, 600, 601
Kenwood	562, 581, 592, 594, 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
Montgomery Wards	527, 554, 580, 585, 588, 589, 590, 591, 607, 608, 609
MTC	544, 580, 588
Multitech	588, 589, 591
NAD	573

NEC	530, 531, 532, 562, 592, 594, 599, 600, 601, 602, 603, 604
Olympic	553
Optonica	585
Orion	506, 507
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	553, 605
Pulsar	533
Quartz	581
Quasar	553, 554, 577, 578
Radio Shack	607, 608, 609, 610
RCA	525, 526, 527, 528, 529, 537, 553, 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, 608
SBR	565
Schneider	589
Scott	508, 559, 590
Sears	548, 549, 581, 584, 608, 610
Senra	546
Sharp	585, 607, 609, 625
Shintom	589
Sony	500, 501, 502, 503, 504, 629
Sylvania	553, 554, 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
Videoconic	591
Yamaha	530, 592, 594, 600, 601
Zenith	500, 501, 533

Note: The following part of this table is for DVD players *only*.

DVD Players

Note: You *must* set the remote control to **VCR** mode to set it up to control a DVD player. You *must* set the remote control to **VCR** mode to use it to control a DVD player.

Magnavox	626
Pioneer	619
RCA	627
Sony	617
Toshiba	616

TUNERS/AMPLIFIERS

Aiwa	656, 680
Carver	653
Fisher	653
GE	665
Goldstar	677
JVC	657, 683
Kenwood	676
Luxman	681
LXI	665
Marantz	651
Memorex	675
NAD	669
Nakamichi	671
Onkyo	660, 662, 678
Optimus	664
Panasonic	652
Pioneer	658, 675, 679
Proton	654
Quasar	652
RCA	655
Realistic	665, 666
Scott	659
Sherwood	670
Sony	667, 668, 672, 673, 674, 680, 684
Symphonic	666
Technics	652
Victor	657
Yamaha	663, 682

CABLE TV BOXES

Eastern	649
GI/Tocom	640
Jerrold	635, 636
Memorex	637
Oak	646
Panasonic	637, 644, 645
Paragon	637
Pioneer	642, 643
Regency	649
Scientific Atlanta	638, 639, 647, 648, 650
Zenith	641

CONTROLLING THE RECEIVER USING THE REMOTE CONTROL

The Remote Control uses infrared (IR) light signals to control the satellite receiver. The remote control has a maximum range of 40 feet. You must point the remote control directly at the receiver, with no solid objects in the way. **Note:** The remote cannot control any devices other than the receiver.

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.



If you are using a remote control other than the standard remote control (the part number for the standard remote control is located on the back of the remote and is 123475322) or if you do not wish to use the standard remote control to control sound volume, you will need to change the default volume control to the TV Remote Volume Control option. See *To Change the Way Sound Volume is Controlled* below.

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.

To change the way sound volume is controlled, do the following:

1. Make sure that the TV sound volume is not turned down or muted using the TV remote control. If you turn down or mute the sound volume using the TV remote, the receiver remote control will not be able to turn the volume back up.
2. Press the receiver remote control **Menu** button. This displays the **Main** menu.
3. Select the **System Setup** option. This displays the **System Setup** menu.
4. Select the **Volume Control** option to display the **Select a Volume Control Method** menu.
5. Use the **Arrow** buttons to move the highlight to the **TV remote volume control** or the **DISH remote volume control** option, as desired.

Note: **DISH remote** means the standard satellite receiver remote control. **TV remote** means either the remote that came with your TV or a remote that can be programmed to control sound volume in your TV.

6. Press the **Select** button to select the highlighted option.
7. Highlight and select the **Save** option to save the volume control setting.