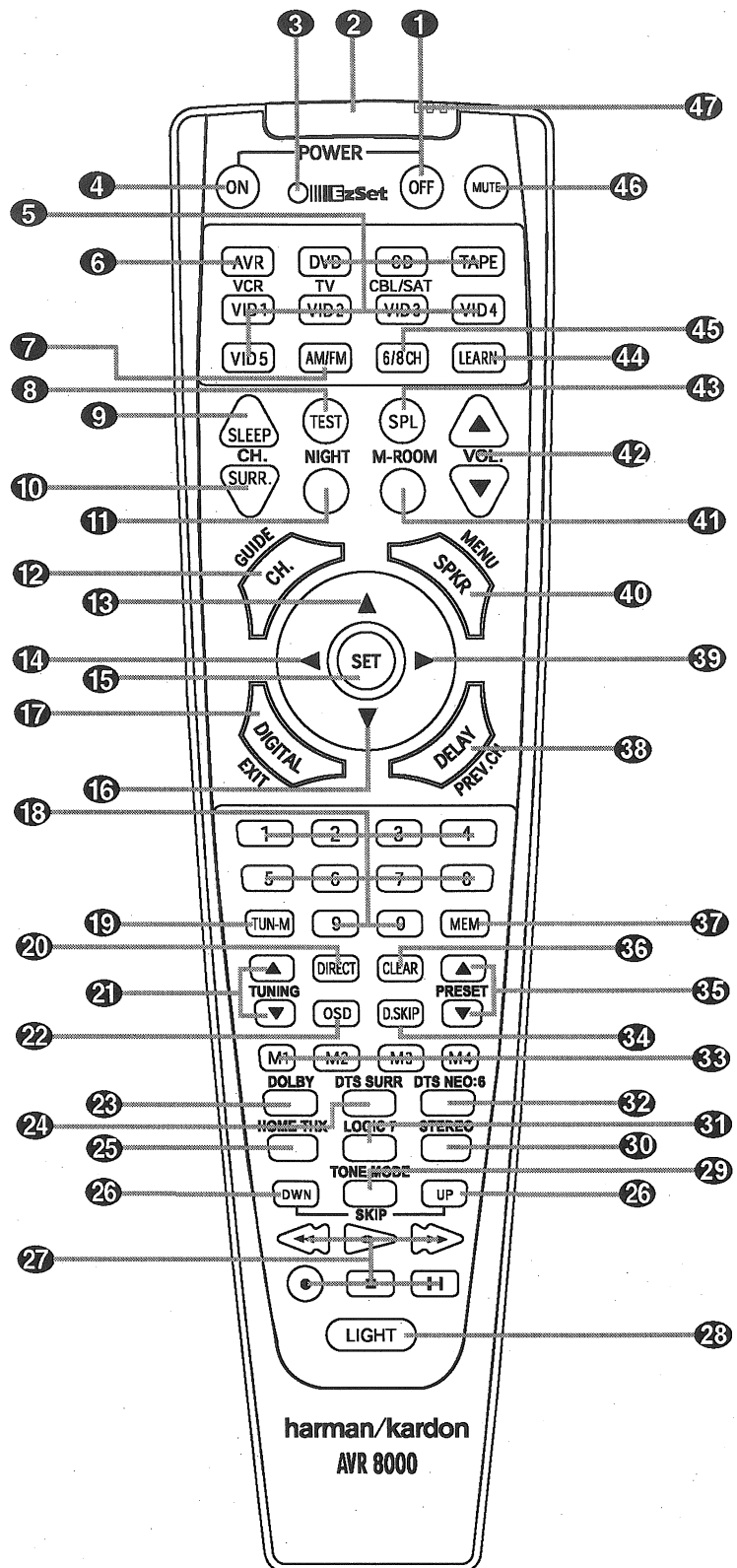


Main Remote Control Functions

- 1 Power Off Button
- 2 IR Transmitter Window
- 3 Program/SPL Indicator
- 4 Power On Button
- 5 Input Selectors
- 6 AVR Selector
- 7 AM/FM Tuner Select
- 8 Test Button
- 9 Sleep Button
- 10 Surround Mode Selector
- 11 Night Mode
- 12 Channel Select Button
- 13 ▲ Button
- 14 ◀ Button
- 15 Set Button
- 16 ▼ Button
- 17 Digital Select
- 18 Numeric Keys
- 19 Tuner Mode
- 20 Direct Button
- 21 Tuning Up/Down
- 22 OSD Button
- 23 Dolby Mode Select Button
- 24 DTS Digital Mode Selector
- 25 THX Mode Select Button
- 26 Skip Up/Down Buttons
- 27 Transport Controls
- 28 Light Button
- 29 Tone Mode Button
- 30 Stereo Mode Select Button
- 31 Logic 7 Mode Select Button
- 32 DTS Neo:6 Mode Select
- 33 Macro Buttons
- 34 Disc Skip Button
- 35 Preset Up/Down
- 36 Clear Button
- 37 Memory Button
- 38 Delay/Prev. Ch.
- 39 ► Button
- 40 Speaker Select
- 41 Multiroom
- 42 Volume Up/Down
- 43 SPL Select
- 44 Learn Button
- 45 6-Channel/8-Channel Direct Input
- 46 Mute
- 47 EzSet Sensor Microphone



NOTE: The function names shown here are each button's feature when used with the AVR 8000. Most buttons have additional functions when used with other devices. See pages 44–45 for a list of these functions.

Main Remote Control Functions

IMPORTANT NOTE: The AVR 8000's remote may be programmed to control up to eight devices, including the AVR 8000. Before using the remote, it is important to remember to press the **Input Selector Button** ⑤ that corresponds to the unit you wish to operate. In addition, the AVR 8000's remote is shipped from the factory programmed to operate the AVR 8000 and most Harman Kardon CD or DVD players and cassette decks. The remote is also capable of operating a wide variety of other products using the control codes that are part of the remote. Before using the remote with other products, follow the instructions on pages 39–43 to program the proper codes for the products in your system.

It is also important to remember that many of the buttons on the remote take on different functions, depending on the product selected using the Device Control Selectors. The descriptions shown here primarily detail the functions of the remote when it is used to operate the AVR 8000. (See page 44 for information about alternate functions for the remote's buttons.)

① **Power Off Button:** Press this button to place the AVR 8000 or a selected device in the Standby mode. Note that this will turn off the main room functions, but if the Multiroom system is activated, it will continue to function.

② **IR Transmitter Window:** Point this window towards the AVR 8000 when pressing buttons on the remote to make certain that infrared commands are properly received.

③ **Program/SPL Indicator:** This three-color indicator is used to guide you through the process of programming the remote or learning commands from a remote into the AVR 8000's remote code memory and it is also used as a level indicator when using the remote's EzSet capabilities. (See page 24 for more information on setting output levels, and see page 39 for information on programming the remote.)

④ **Power On Button:** Press this button to turn on the power to a device selected by pressing one of the **Input Selectors** ⑤ ⑥.

⑤ **Input Selectors:** Pressing one of these buttons will perform three actions at the same time. First, if the AVR 8000 is not turned on, this will power up the unit. Next, it will select the source shown on the button as the input to the AVR 8000. Finally, it will change the remote control so that it controls the device selected. After pressing one of these buttons you must press the **AVR Selector Button** ⑥ again to

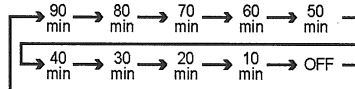
operate the AVR 8000's functions with the remote.

⑥ **AVR Selector:** Pressing this button will switch the remote so that it will operate the AVR 8000's functions. If the AVR 8000 is in the Standby mode, it will also turn the AVR 8000 on.

⑦ **AM/FM Tuner Select:** Press this button to select the AVR 8000's tuner as the listening choice. Pressing this button when the tuner is already in use will select between the AM and FM bands.

⑧ **Test Button:** Press this button to begin the sequence used to calibrate the AVR 8000's output levels. (See page 24 for more information on calibrating the AVR 8000.)

⑨ **Sleep Button:** Press this button to place the unit in the Sleep mode. After the time shown in the display, the AVR 8000 will automatically go into the Standby mode. Each press of the button changes the time until turn-off in the following order:



Once the sleep timer has been activated, note that the **Main Information Display** 28 will dim to half brightness. Note that this button is also used to change channels on your TV when the TV is selected.

When the AVR 8000 remote is being programmed with the codes to operate another device, this button is also used in the "Auto Search" process. (See page 39 for more information on programming the remote.)

⑩ **Surround Mode Selector:** Press this button to begin the process of changing the surround mode. After the button has been pressed, use the **▲/▼ Buttons** ⑬ ⑭ to select the desired surround mode. (See page 28 for more information.) Note that this button is also used to tune channels when the TV is selected using the device **Input Selector** ⑤. When the AVR 8000 remote is being programmed with the codes of another device, this button is also used in the "Auto Search" process. (See page 39 for more information on programming the remote.)

⑪ **Night Mode:** Press this button to activate the Night mode. This mode is available in specially encoded digital sources, and it preserves dialog (center channel) intelligibility at low volume levels.

⑫ **Channel Select Button:** This button is used to start the process of setting the AVR 8000's output levels to an external source. Once this button is pressed, use the **▲/▼ Buttons** ⑬ ⑭ to select the channel being adjusted, then press the **Set Button** ⑮, followed by the **▲/▼ Buttons** ⑬ ⑭ again, to change the level setting. (See page 34 for more information.)

⑬ **▲ Button:** This multipurpose button is used to change or scroll up through the list of items in the on-screen menus, make configuration settings such as digital inputs or delay timing, or to select surround modes. When changing a setting, first press the button for the function or setting to be changed (e.g., press the **Surround Mode Selector** ⑩ to select a sound field mode or the **Digital Select Button** ⑰ to change a digital input) and then press this button to scroll through the list of options or to increase a setting. The sections in this manual describing the individual features and functions contain specific information on using this button for each application.

⑭ **◀ Button:** This button is used to change the menu selection or setting during some of the setup procedures for the AVR 8000.

⑮ **Set Button:** This button is used to enter settings into the AVR 8000's memory. It is also used in the setup procedures for delay time, speaker configuration and channel output level adjustment.

⑯ **▼ Button:** This multipurpose button is used to change or scroll down through the items in the on-screen menus, make configuration settings such as digital inputs or delay timing, or to select surround modes. When changing a setting, first press the button for the function or setting to be changed and then press this button to scroll down through the list of options or to decrease a setting. The sections in this manual describing the individual features and function contain specific information on using this button for each specific application.

⑰ **Digital Select:** Press this button to assign one of the digital inputs ⑰ ⑱ ⑲ ⑳ ㉑ to a source. (See page 31 for more information on using digital inputs.)

⑱ **Numeric Keys:** These buttons serve as a ten-button numeric keypad to enter tuner preset positions. They are also used to select channel numbers when TV, Cable or SAT has been selected on the remote, or to select track numbers on a CD, DVD or LD player, depending on how the remote has been programmed.

Main Remote Control Functions

19 Tuner Mode: Press this button when the tuner is in use to select between automatic tuning and manual tuning. When the button is pressed so that the **AUTO Indicator J** goes out, pressing the **Tuning Buttons 21 10 E** will move the frequency up or down in single-step increments. When the FM band is in use, pressing this button when a station's signal is weak will change to monaural reception. (See page 33 for more information.)

20 Direct Button: Press this button when the tuner is in use to start the sequence for direct entry of a station's frequency. After pressing the button, simply press the proper **Numeric Keys 18** to select a station. (See page 33 for more information on the tuner.)

21 Tuning Up/Down: When the tuner is in use, these buttons will tune up or down through the selected frequency band. If the **Tuner Mode Button 19 16** has been pressed so that the **AUTO Indicator J** is illuminated, pressing and holding either of the buttons for three seconds will cause the tuner to seek the next station with acceptable signal strength for quality reception. When the **AUTO Indicator J** is NOT illuminated, pressing these buttons will tune stations in single-step increments. (See page 33 for more information.)

22 OSD Button: Press this button to activate the On-Screen Display (OSD) system used to set up or adjust the AVR 8000's parameters.

23 Dolby Mode Selector: This button is used to select from among the available Dolby Surround processing modes. Each press of this button will select one of the Dolby Pro Logic II modes or Dolby 3 Stereo. When a Dolby Digital encoded source is in use, the Dolby Digital mode may also be selected. (See page 28 for the available Dolby surround mode options.)

24 DTS Digital Mode Selector: When a DTS-encoded digital source is selected, each press of this button will scroll through the available DTS modes. The specific choice of modes will vary according to whether or not the source material contains DTS-ES 6.1 Discrete encoding. When a DTS source is not in use, this button has no function. (See page 28 for the available DTS Digital options.)

25 THX Mode Select Button: Press this button to select the Home THX mode that is applicable to the input type and speaker configuration in use.

26 Skip Up/Down Buttons: These buttons don't have a direct function with the AVR 8000, but when used with a compatibly programmed

CD or DVD changer they will change the disc currently being played in the changer.

27 Transport Controls: These buttons do not have any functions for the AVR 8000, but they may be programmed for the forward/reverse play operation of a wide variety of CD or DVD players, and audio or video cassette recorders. (See page 42 for more information.)

28 Light Button: Press this button to activate the remote's backlight for ease of use in darkened rooms.

29 Tone Mode Button: Press this button to turn the controls off so that the output is "flat," or to boost or lower the tone modification. The first press of this button shows whether the tone controls are active or not. Subsequent presses enable you to select the treble or bass for change by pressing the **▲/▼ Buttons 13 16**. Note that the tone controls only change the output for the front left/right speakers and they are not available when a THX mode is in use.

30 Stereo Mode Select Button: Press this button to select a stereo listening mode. The first press of the button places the AVR in a true, two-channel, left/right stereo mode with no surround processing. The next press selects either five-channel stereo or seven-channel stereo, depending on the speaker configuration.

31 Logic 7 Mode Select Button: Press this button to select a Logic 7 Mode. This Harman proprietary process excels at converting two channel stereo or matrix surround encoded sources into a full five, six or seven channel sound field. (See page 28 for the available Logic 7 options.)

32 DTS Neo:6 Mode Select: Press this button to select a DTS Neo:6 Mode. These modes take a two channel stereo or matrix surround encoded source and create a full five-, six- or seven-channel sound field. (See page 28 for the available DTS Neo:6 options.)

33 Macro Buttons: Press these buttons to store or recall a "Macro", which is a preprogrammed sequence of commands stored in the remote. (See page 40 for more information on storing and recalling macros.)

34 Disc Skip Button: This button has no direct function for the AVR 8000 but is most often used to change to the next disc in a CD or DVD player when the remote is programmed for that type of device. (See page 39 for more information on using the remote with products other than the AVR 8000.)

35 Preset Up/Down: When the tuner is in use, press these buttons to scroll through the stations programmed into the AVR 8000's memory. When some source devices, such as CD players, VCRs and cassette decks, are selected using the device **Input Selectors 5**, these buttons may function as Chapter Step or Track Advance.

36 Clear Button: Press this button to clear incorrect entries when using the remote to directly enter a radio station's frequency.

37 Memory Button: Press this button to enter a radio station into the AVR 8000's preset memory. Once the **MEMORY Indicator G** flashes, you have five seconds to enter a preset memory location using the **Numeric Keys 18**. (See page 34 for more information.)

38 Delay/Prev Ch.: Press this button to begin the process for setting the delay times used by the AVR 8000 when processing surround sound. After pressing this button, the delay times are entered by pressing the **Set Button 15** and then using the **▲/▼ Buttons 13 16** to change the setting. Press the **Set Button 15** again to complete the process. (See page 24 for more information.)

39 ► Button: Press this button to change a setting or selection when configuring many of the AVR 8000's settings.

40 Speaker Select: Press this button to begin the process of configuring the AVR 8000's bass management system for use with the type of speakers used in your system. Once the button has been pressed, use the **▲/▼ Buttons 13 16** to select the channel you wish to set up. Press the **Set Button 15** and then select another channel to configure. When all adjustments have been completed, press the **Set Button 15** twice to exit the settings and return to normal operation. (See page 21 for more information.)

41 Multiroom: Press this button to activate the multiroom system or to begin the process of changing the input or volume level for the second zone. (See page 38 for more information on the Multiroom system.)

42 Volume Up/Down: Press these buttons to raise or lower the system volume.

43 SPL Select: This button activates the AVR 8000's EzSet function to quickly and accurately calibrate the AVR 8000's output levels. Press and hold the button for three seconds and then release it. Note that the test tone will begin circulating, and the

Main Remote Control Functions

Program/SPL Indicator ③ will change colors. During this sequence, EzSet will automatically adjust the output levels for all channels until they are equal, as shown by the **Program/SPL Indicator ③** lighting green for each channel. Press this button again when the adjustment is complete to turn off the test tone. (See pages 24 and 25 for more information on EzSet.)

④④ Learn Button: Press this button to begin the process of "learning" the codes from another product's remote into the AVR 8000's remote. (See page 39 for more information on using the remote's learning function.)

④⑤ 6-Channel/8-Channel Direct Input: Press this button to select the device connected to the **6-Channel Direct Inputs ②②** or the **8-Channel Direct Inputs ①⑨**. (See page 35 for more information.)

④⑥ Mute: Press this button to momentarily silence the AVR 8000 or TV set being controlled, depending on which device has been selected. When the AVR 8000 remote is being programmed to operate another device, this button is pressed with the **Input Selector Button ⑤** to begin the programming process. (See page 39 for more information on programming the remote.)

④⑦ EzSet Sensor Microphone: The sensor microphone for the EzSet microphone is behind these slots. When using the remote to calibrate speaker output levels using EzSet, be sure that you do not hold the remote in a way that covers these slots. (See pages 24 and 25 for more information on using EzSet.)

Programming the Remote

The AVR 8000 is equipped with a powerful remote control that will control not only the receiver's functions, but also most popular brands of audio and video equipment, including CD players, cassette decks, TV sets, cable boxes, VCRs, satellite receivers and other home-theater equipment. Once the AVR 8000's remote is programmed with the codes for the products you own, it is possible to eliminate most other remotes and replace them with the convenience of a single, backlit universal remote control.

Programming the Remote

The AVR 8000 remote is factory-programmed for all AVR functions, as well as those of most Harman Kardon CD changers, DVD players, CD players and cassette decks. In addition, by following one of the methods below, you may program the remote to operate a wide range of devices from other manufacturers.

Direct Code Entry

This method is the easiest way to program your remote to work with different products.

1. Use the tables in the following pages to determine the three-digit code or codes that match both the product type (e.g., VCR, TV) and the specific brand name. If there is more than one number for a brand, make note of the different choices.
2. Turn on the unit you wish to program into the AVR 8000 remote.
3. Press and hold both the **Input Selector 5** for the product you wish to control (e.g., VCR, TV) and the **Mute Button 46** at the same time. When the **Program/SPL Indicator 3** turns amber and begins flashing and the red light under the **Input Selector 5** stays lit, release the buttons. It is important that you begin the next step within 20 seconds.
4. Point the AVR 8000's remote towards the unit to be programmed, and enter the first three-digit code number using the **Numeric Keys 18**. If the unit turns off, the correct code has been entered. Press the **Input Selector 5** again, and note that the red light will flash three times before going dark to confirm the entry.
5. If the device to be programmed in does NOT turn off, continue to enter three-digit code numbers until the equipment turns off.

At this point, the correct code has been entered. Press the **Input Selector 5** again and note that the red light under the **Input Selector 5** will flash three times before going dark to confirm the entry.

6. Try all of the functions on the remote to make certain that the product operates properly. Keep in mind that many manufacturers use a number of different combinations of codes, so it is a good idea to make certain that not only the Power control, but the volume, channel and transport controls work as they should. If functions do not work properly, you may need to use a different remote code.
7. If a code cannot be entered to turn the unit off, if the code for your product does not appear in the tables in this manual, or if not all functions operate properly, try programming the remote with the Auto Search Method.

Auto Search Method

If the unit you wish to include in the AVR 8000's remote is not listed in the code tables in this manual or if the code does not seem to operate properly, you may wish to program the correct code using the Auto Search method that follows:

1. Turn on the unit that you wish to include in the AVR 8000 remote.
2. Press the **Input Selector 5** for the type of product to be entered (e.g., VCR, TV) and the **Mute Button 46** at the same time. Hold both buttons until the **Program/SPL Indicator 3** turns amber and begins flashing and the red light under the **Input Selector 5** stays lit. Note that the next step must take place while the red light is on, and it must begin within 20 seconds after the light appears.
3. Point the AVR 8000 remote towards the unit to be programmed, and press either the **▲ or ▼ Button 13 16**. Each press will send out a series of codes from the remote's built-in database. When the unit being programmed turns off, release the **▲/▼ Button 13 16**, as that is your indication that the correct code is in use.
4. Press the **Input Selector 5**, and note that the red light under the **Input Selector 5** will flash three times before going dark to confirm the entry.

5. Try all of the functions on the remote to make certain that the product operates. Keep in mind that many manufacturers use a number of different combinations of codes, and it is a good idea to make certain that not only the Power control works, but also the volume, channel and transport controls, as appropriate. If all functions do not work properly, you may need to Auto-Search for a different code, or enter a code via the Direct Code Entry method.

Code Readout

When the code has been entered using the Auto Search method, it is always a good idea to find out the exact code so that it may be easily reentered if necessary. You may also read the codes to verify which device has been programmed to a specific Control Selector button.

1. Press and hold both the **Input Selector 5** for the device you wish to find the code for and the **Mute Button 46** at the same time. Note that the **Program/SPL Indicator 3** will initially turn amber and begin flashing, and the red light under the **Input Selector 5** will stay lit. Release the buttons and begin the next step within 20 seconds.
2. Press the **Set Button 15**. The **Program/SPL Indicator 3** will then blink green in a sequence that corresponds to the three-digit code, with a one-second pause between each digit. Count the number of blinks between pauses to determine the digit of the code. One blink indicates the number 1, two blinks for the number 2, and so forth. Ten blinks are used to indicate a "0."

Example: One blink, followed by a one-second pause, followed by six blinks, followed by a one-second pause, followed by ten blinks indicates that the code has been set to 160.

For future reference, enter the Setup Codes for the equipment in your system here:

DVD _____ CD _____
VID1/VCR _____ VID2/TV _____
VID3/CBL _____ VID3/SAT _____
VID4 _____ TAPE _____

Programming the Remote

Learning Codes

In addition to using codes from the remote's internal code library, the AVR 8000's remote is able to "learn" codes from remotes that may not be in the code library. In addition, you may use this function to "learn over" the codes from a preprogrammed device to add functions not included in the preprogrammed codes. To learn or transfer codes from an IR remote to the AVR 8000's remote, follow these steps:

1. Place the front of the original remote with the code being sent so that it is facing the **IR Transmitter Window** ② on the AVR 8000 remote "head-to-head." The remotes should be between one and three inches apart.
2. Select the button on the remote that you wish to use as the device selector for the codes about to be entered. This may be any of the **Input Selectors** ⑤.
3. Press the **Input Selector** ⑤ button chosen and the **Learn Button** ④ at the same time. Hold these buttons until the **Program/SPL Indicator** ③ flashes amber and the light under the device selector button turns red. Release the buttons.
4. Press the button on the AVR 8000 remote that you wish to program. Note that the **Program/SPL Indicator** ③ will stop flashing.
5. Within five seconds, press and hold the button on the original remote that you wish to "teach" into the AVR 8000 remote. When the **Program/SPL Indicator** ③ turns green three times, release the button. Note that the Program Indicator will then begin to flash amber again.

NOTE: If the **Program/SPL Indicator** ③ turns red during Step 4 or 5, the programming was not successful. Repeat the steps to see if the code will "take."

6. Repeat Steps 4 and 5 for each button on the source remote that you wish to transfer to the AVR 8000 remote.
7. Once all codes have been transferred from the original source remote to the AVR 8000 remote, press the **Learn Button** ④.

8. Repeat Steps 1 through 7 for any additional remotes you wish to "teach" into the AVR 8000 Remote.

Erasing Learned Codes

The AVR 8000's remote allows you to remove or erase the code learned into a single button for a single device, to remove or erase the code set for all the codes that have been programmed into specific device buttons, or to erase all commands that have been learned to all devices.

To erase a single learned code from within a single device's settings, follow these steps:

1. Press and hold both the **Input Selector** ⑤ within which the individual button to be erased has been programmed and the **Learn Button** ④.
2. When the red LED under the **Input Selector** turns red and the **Program/SPL Indicator** ③ flashes amber, release the buttons.
3. Press and release the **Input Selector** ⑤ again for the device within which the individual button to be erased has been programmed.
4. Press the **7 Button** ⑩ four times.
5. Press and release the individual button for which the code is to be erased. The **Program/SPL Indicator** ③ will blink green two times and then return to amber.
6. To erase other buttons within the same device, press them as noted in Step 5.
7. When all buttons to be erased have been pressed, press the **Learn Button** ④ to complete the process.

To erase all codes within a single device, follow these steps:

1. Press and hold both the **Input Selector** ⑤ for which you wish to erase the codes and the **Learn Button** ④.
2. When the red LED under the **Input Selector** turns red and the **Program/SPL Indicator** ③ flashes amber, release the buttons.
3. Press and release the **Input Selector** ⑤ again for the device whose codes you wish to erase.

4. Press the **8 Button** ⑪ four times.

5. The **Program/SPL Indicator** ③ will turn off and the red light under the **Input Selector** will flash on and off once to indicate that the codes have been erased.

To erase all codes that have been programmed to all devices in the remote, follow these steps:

1. Press any **Input Selector** ⑤ for which you wish to erase the codes and also the **Learn Button** ④.
2. When the red LED under the **Input Selector** turns red and the **Program/SPL Indicator** ③ flashes amber, release the buttons.
3. Press and release the same **Input Selector** ⑤ again for the device whose codes you wish to erase.
4. Press the **9 Button** ⑫ four times.
5. The **Program/SPL Indicator** ③ will turn off and the red light under the **Input Selector** ⑤ will flash on and off once to indicate that the codes have been erased.

Macro Programming

Macros enable you to easily repeat frequently used combinations of commands with the press of a single button on the AVR 8000's remote control. Once programmed, a macro will send out up to 19 different remote codes in a predetermined sequential order enabling you to automate the process of turning on your system, changing devices, or other common tasks. The AVR 8000's remote can store up to five separate macro command sequences: one that is associated with the **Power On Button** ④ and four more that are accessed by pressing the **Macro Buttons** ⑬.

1. Press the **Mute Button** ④⑥ and the **Macro Button** ⑬ to be programmed or the **Power On Button** ④ at the same time. Note that the **AVR Selector** ⑥ will light red, and the **Program/SPL Indicator** ③ will flash amber.
2. Enter the steps for the macro sequence by pressing the button for the actual command step. Although the macro may contain up to 19 steps, each button press, including those used to change devices, counts as a step. The **Program/SPL Indicator** ③ will flash green to confirm each button press as you enter commands.

Programming the Remote

NOTE: While entering commands for Power On/Off of any device during a macro sequence, press the **Mute Button 46**. DO NOT press the actual Power button.

- When all the steps have been entered, press the **Sleep Button 9** to enter the commands. The red light under the **Input Selectors 5 6** will blink and then turn off.

Example: To program the Macro 1 button so that it turns on the AVR 8000, TV and a Cable Box, follow these steps:

- Press the **Macro 1 Button 33** and **Mute Button 46** at the same time and then release them.
- Note that the **Program/SPL Indicator 3** will flash amber.
- Press the **AVR Selector 6**.
- Press the **Mute Button 46** to store the AVR 8000's power on command.
- Press the **VID 2 Input Selector Button 5** to indicate the next command is for "TV Power On."
- Press the **Mute Button 46** to store the TV Power On Command.
- Press the **VID 3 Input Selector Button 5** to indicate the next command is for "Cable Power On."
- Press the **Mute Button 46** to store the Cable Power On command.
- Press the **Sleep Button 9** to complete the process and store the macro sequence.

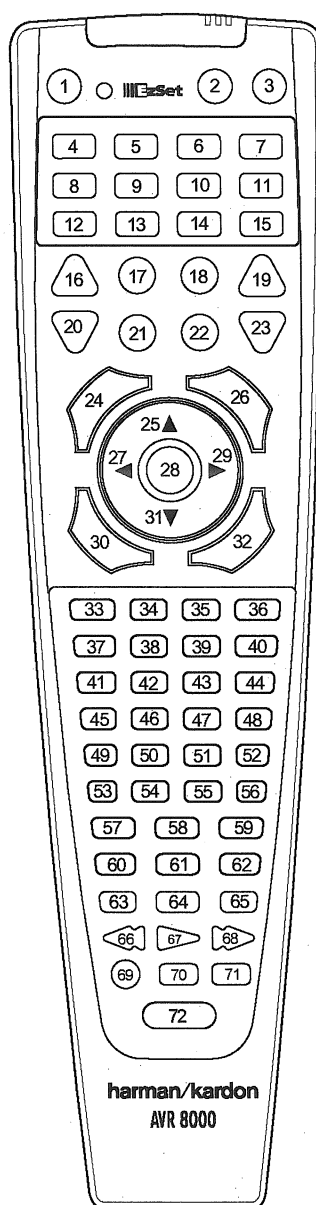
After following these steps, each time you press the **Macro 1 Button 33**, the remote will send the Power On/Off command to those three devices.

Erasing Macro Commands

To remove the commands that have been programmed into one of the Macro buttons, follow these steps:

- Press the **Mute Button 46** and the **Macro Button 33** that contains the commands you wish to erase.

- Note that the **Program/SPL Indicator 3** will flash amber, and the LED under the **AVR Selector 6** will turn red.
- Within ten seconds, press the **Surround Mode Selector Button 10**.
- The red LED under the **AVR Selector 6** will go out, and the **Program/SPL Indicator 3** will turn green and flash three times before it goes out.
- When the **Program/SPL Indicator 3** goes out, the Macro has been erased.



Programmed Device Functions

Once the AVR 8000's remote has been programmed for the codes of other devices, press the appropriate **Input Selector 5** to change the remote from controlling the AVR 8000 to controlling the additional product. When you press any one of the selectors, it will briefly flash in red to indicate that you have changed the device being controlled.

When operating a device other than the AVR 8000, the controls may not correspond exactly to the function printed on the remote or button. Some commands, such as the volume control, are the same as they are with the AVR 8000. Other buttons will change their function so that they correspond to a secondary label on the remote. For example, the Sleep and Surround mode selector buttons also function as the Channel Up and Channel Down buttons when operating most TV sets, VCRs or cable boxes. The Channel Up/Down indication is printed directly on the remote. For many standard CD players, cassette decks, VCRs and DVD functions, the standard function icons are printed on top of the buttons.

For some products, however, the function of a particular button does not follow the command printed on the remote. In order to see which function a button controls, consult the Function List tables on pages 44 and 45. To use those tables, first check the type of device being controlled (e.g., TV, VCR). Next, look at the remote control diagram pictured at the left. Note that each button has a number on it.

To find out what function a particular button has for a specific device, find the button number on the Function List and then look in the column for the device you are controlling. For example, button number 46 is the Direct button for the AVR 8000, but it is the "Favorite" button for many cable television boxes and satellite receivers. Button number 32 is the Delay button for the AVR 8000, but the Open/Close button for CD players.

NOTE: That the numbers used to describe the button functions at the left for the purposes of describing how a button operates are a different set of numbers than those used in the rest of this manual to describe the button functions for the AVR 8000.

Programming the Remote

Notes on Using the AVR 8000 Remote With Other Devices

- Manufacturers may use different code sets for the same product category. For that reason, it is important that you check to see whether the code set you have entered operates as many controls as possible. If it appears that only a few functions operate, check to see whether another code set will work with more buttons.
- When a button is pressed on the AVR 8000 remote, the red light under the **Input Selector 5** for the product being operated should flash briefly. If the Device Control Selector flashes for some but not all buttons for a particular product, it does NOT indicate a problem with the remote but rather that no function is programmed for the button being pushed.

Volume Punch-Through

The AVR 8000's remote may be programmed to operate the **Volume Control 42** and **Mute 46** functions of either the TV or the AVR 8000 in conjunction with any of the devices controlled by the remote. For example, since the AVR 8000 will likely be used as the sound system for TV viewing, you may wish to have the AVR 8000's volume activated, although the remote is set to run the TV. Either the AVR 8000 or TV volume control may be associated with any of the remote's devices. To program the remote for Volume Punch-Through, follow these steps:

- Press the **Input Selector 5** for the unit you wish to have associated with the volume control and the **Mute Button 46** at the same time until the red light appears under the **Input Selector 5** and note that the **Program/SPL Indicator 3** will flash amber.
- Press the **Volume Up Button 42** and note that the **Program/SPL Indicator 3** will stop flashing and stay amber.
- Press either the **AVR Selector 6** or the **Input Selector 5**, depending on which system's volume control you wish to have attached for the punch-through mode. The **Program/SPL Indicator 3** will blink green three times and then go out to confirm the data entry.

Example: To have the AVR 8000's volume control activated even though the remote is set to control the TV, first press the **Video 2/TV Input Selector 5** and the **Mute Button 46** at the same time. Next, press the **Volume Up Button 42**, followed by the **AVR Selector 6**.

NOTE: Should you wish to return the remote to the original configuration after entering a Volume Punch-Through, you will need to repeat the steps shown above. However, press the same Input Selector in Steps 1 and 3.

Channel Control Punch-Through

The AVR 8000's remote may be programmed to operate so that the channel control function for either the TV, cable or satellite receiver used in your system may be used in conjunction with one of the other devices controlled by the remote. For example, while using and controlling the VCR, you may wish to change channels on a cable box or satellite receiver without having to change the device selected by the AVR 8000 or the remote. To program the remote for Channel Control Punch-Through, follow these steps:

- Press the **Input Selector Button 5** for the device you wish to have the channel control associated with and the **Mute Button 46** at the same time until the red light appears under the **Input Selector 5** and the **Program/SPL Indicator 3** flashes amber.
- Press the **Volume Down Button 42**. The **Program/SPL Indicator 3** will stop flashing and stay amber.
- Press and release the **Input Selector Button 5** for the device that will be used to change the channels. The **Program/SPL Indicator 3** will blink green three times and then go out to confirm the data entry.

Example: To control the channels using your Cable Box or Satellite Receiver while the remote is set to control the VCR, first press the **VID 1/VCR Input Selector Button 5** and the **Mute Button 46** at the same time. Next, release them and press the **Volume Down Button 42**, followed by the **VID 2/TV Input Selector Button 5**.

NOTE: To remove the Channel Control Punch-Through and return the remote to its original

configuration, repeat the steps shown in the example above. However, press the same **Input Selector 5** in Steps 1 and 3.

Transport Control Punch-Through

The AVR 8000's remote may be programmed to operate so that the **Transport Control Functions 27** (Play, Stop, Fast Forward, Rewind, Pause and Record) for a VCR, DVD or CD will operate in conjunction with one of the other devices controlled by the remote. For example, while using and controlling the TV, you may wish to start or stop your VCR or DVD without having to change the device selected by the AVR 8000 or the remote. To program the remote for Transport Control Punch-Through, follow these steps:

- Press the **Input Selector 5** for the device you wish to have the channel control associated with and the **Mute Button 46** at the same time until the red light appears under the **Input Selector 5** and the **Program/SPL Indicator 3** flashes amber.
- Press the **Play Button 27**. The **Program/SPL Indicator 3** will stop flashing and stay amber.
- Press and release the **Input Selector Button 5** for the device that will be used to change the channels. The **Program/SPL Indicator 3** will blink green three times and then go out to confirm the data entry.

Example: To control the transport of a DVD player while the remote is set to control the TV, first press the **VID 2/TV Input Selector Button 5** and the **Mute Button 46** at the same time. Next, release them and press the **Play Button 27**, followed by the **DVD Input Selector Button 5**.

NOTE: To remove the Channel Control Punch-Through and return the remote to its original configuration, repeat the steps shown in the example above. However, press the same **Input Selector 5** in Steps 1 and 3.

NOTE: Before programming the remote for Volume, Channel or Transport Punch-Through, make certain that any programming needed for the specific TV, CD, DVD, Cable or Satellite Receivers has been completed.

Programming the Remote

Reassigning Device Control Selectors

Although each **Input Selector 5** is normally assigned to the category of product shown on the remote, it is possible to reassign one of these buttons to operate a second device of another type. For example, if you have two VCRs but no satellite receiver, you may program the "SAT" button to operate a second VCR. Before following the normal programming steps for either Three-Digit entry or Auto Search code entry, you must first reassign the button with the following steps:

1. Press the **Input Selector 5** you wish to reassign and the **Mute Button 46** at the same time until the red light appears under the **Input Selector 5** and the **Program/SPL Indicator 3** flashes amber.
2. Press the **Input Selector 5** matching the device type you wish to program into the reassigned button.
3. Enter the three-digit code for the specific model you wish the reassigned button to operate.
4. Press the same **Input Selector 5** pressed in Step 1 once again to store the selection. The red LED under the re-assigned Input Selector will flash three times and then go out.

Example: To use the CBL/SAT button to operate a second VCR, first press the **CBL/SAT Input Selector 5** and the **Mute Button 46** at the same time until the red light glows under the **CBL/SAT Input Selector 5** button. Press the **VCR Button 5**, followed by the three-digit code for the specific model you wish to control. Finally, press the **CBL/SAT Button 5** again.

Resetting the Remote Memory

As you add components to your home theater system, occasionally you may wish to totally reprogram the remote control without the confusion of any commands, macros or "Punch-Through" programming that you may have done. To do this, it is possible to reset the remote to the original factory defaults and command codes by following these steps. Note, however, that once the remote is reset,

all commands or codes that you have entered will be erased and will need to be re-entered:

1. Press any of the **Input Selector Buttons 5** and the **O Button 18** at the same time until the **Program/SPL Indicator 3** begins to flash amber.
2. Press the **3 Button 18** three times.
3. The red LED under the **Input Selector 5** will go out and the **Program/SPL Indicator 3** will stop flashing and turn green.
4. The **Program/SPL Indicator 3** will remain green until the remote is reset. Note that this may take a while, depending on how many commands are in the memory and need to be erased.
5. When the **Program/SPL Indicator 3** goes out, the remote has been reset to the factory settings.

Function List

No.	Button Name	AVR Function	DVD	CD/CD-R	Tape	VCR (VID1)	TV (VID1)	CBL (VID3)	SAT (VID3)
1	Power On	Power On	Power On	Power On	Power On	Power On	Power On	Power On	Power On
2	Power Off	Power Off	Power Off	Power Off	Power Off	Power Off	Power Off	Power Off	Power Off
3	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute
4	AVR	AVR Select							
5	DVD	DVD Input Select	DVD Select						
6	CD	CD Input Select		CD Select					
7	Tape	Tape Input Select			Tape Select				
8	VID 1	Video 1 Select				VCR Select	TV Select	VID3 Select	
9	VID 2	Video 2 Select							
10	VID 3	Video 3 Select							
11	VID 4	Video 4 Select							
12	VID 5	Video 5 Select							
13	AM/FM	Tuner Select							
14	6/8-Ch. Select	6/8-Ch. Input Select							
15	Learn	Learn							
16	Sleep	Sleep					Channel +	Channel +	Channel +
17	Test	Test Tone	TV/DVD	Input Select		TV/VCR	TV/VCR	TV/Cable	TV/Sat
18	SPL	SPL							
19	Volume Up	Volume Up		Input Level Up		Volume Up	Volume Up	Volume Up	Volume Up
20	Surround Select	Surround Mode Select		CD-R Select		Channel -		Channel -	Channel -
21	Night	Night Mode Select	Subtitle On/Off	CD-R Select					
22	Multiroom	Multiroom Select							
23	Volume Down	Volume Down		Input Level Down			Volume Down	Volume Down	Volume Down
24	Channel/Guide	Channel Trim	Title					Info/Guide	Info/Guide
25	▲	Move/Adjust Up	Up			Up	Up	Up	Up
26	Speaker/Menu	Speaker Adjust	Menu	Intro Scan		Menu	Menu	Menu	Menu
27	◀	Move/Adjust Left	Left			Left	Left	Left	Left
28	Set	Set	Enter			Enter	Enter	Enter	Enter
29	▶	Move/Adjust Right	Right			Right	Right	Right	Right
30	Digital/Exit	Digital Input Select	Open/Close			Exit	Exit	Exit	Exit
31	▼	Move/Adjust Down	Down			Down	Down	Down	Down
32	Delay/Prev. Ch.	Delay Adjust	Return	Open/Close			Prev Channel	Prev Channel	Prev Channel
33	1	1	1	1		1	1	1	1
34	2	2	2	2		2	2	2	2
35	3	3	3	3		3	3	3	3
36	4	4	4	4		4	4	4	4
37	5	5	5	5		5	5	5	5
38	6	6	6	6		6	6	6	6
39	7	7	7	7		7	7	7	7
40	8	8	8	8		8	8	8	8
41	Tun-M	Tuner Mode	Chapter	Repeat					
42	9	9	9	9		9	9	9	9
43	0	0	0	0		0	0	0	0
44	Memory	Memory	Audio	Time					
45	Tune Up	Tune Up	Next Chapter	Track Direct		Cancel	Sleep		

Function List (continued)

No.	Button Name	AVR Function	DVD	CD/CD-R	Tape	VCR (VID1)	TV (VID1)	CBL (VID3)	SAT (VID3)
46	Direct	Direct Tuner Entry	Angle	Random Play				FAV	FAV
47	Clear	Clear	Clear	Clear		Clear	Clear	Bypass	Next
48	Preset Up	Preset Tune Up	Slow Forward	+10				Music	Alt
49	Tune Down	Tune Down	Prev Chapter	Track Increment					
50	OSD	OSD		Program		OSD	OSD	OSD	OSD
51	D. Skip		Disc Skip	Disc Skip					
52	Preset Down	Preset Tune Down	Slow Rev						
53	M1	M1	M1	M1	M1	M1	M1	M1	M1
54	M2	M2	M2	M2	M2	M2	M2	M2	M2
55	M3	M3	M3	M3	M3	M3	M3	M3	M3
56	M4	M4	M4	M4	M4	M4	M4	M4	M4
57	Dolby	Dolby Modes							
58	DTS SURR	DTS Digital Modes							
59	DTS Neo:6	DTS Neo:6 Select							
60	Home THX	THX Modes Select							
61	Logic 7	Logic 7 Select							
62	Stereo	Stereo Mode Select							
63	Skip Down		Skip –	Skip –		Scan –			
64	Tone Mode	Tone Mode Select							
65	Skip Up		Skip +	Skip +		Scan +			
66	Rewind		R. Search	R. Search	Rewind	Rewind			
67	Play		Play	Play	Play	Play			
68	Fast Forward		F. Search	F. Search	Fast Fwd	Fast Fwd		Day +	Day +
69	Record			Record	Record	Record			
70	Stop		Stop	Stop	Stop	Stop			
71	Pause		Pause	Pause		Pause			
72	Light	Light	Light	Light	Light	Light	Light	Light	Light

Setup Code Table: TV

Manufacturer/Brand	Setup Code Number
A MARK	103 132
ADMIRAL	192
AKAI	001 160
AMPRO	070 164
AMSTRAD	053
ANAM	045 055 057 076 095 099 103 106 109 112 122
AOC	001 011 103
BLAUPUNKT	084
BROKSONIC	205 206
CANDLE	001 002 003 011
CAPEHART	059
CENTURION	170 171
CENTRONIC	045
CITIZEN	001 002 003 011 045 092 094 132
CLASSIC	045
CONCERTO	011
CONTEC	041 045 051 052
CORANDO	172
CORONADO	132
CRAIG	045 055 157 158 159
CROWN	045 132
CURTIS MATHES	001 092 107 132
CXC	045
DAEWOO	011 022 023 038 045 046 056 068 073 094 098 102 105 108 111 114 116 118 119 127 132
DAYTRON	107 132
DIGI LINK	200
DYNASTY	045
DYNATECH	063
ELECTROHOME	074 132
EMERSON	001 012 033 045 048 049 051 052 091 107 132 137 139 141 157 158 162 205
FISHER	013 058
FUNAI	033 045
FUTURETECH	045
GE	001 014 015 038 057 070 071 107 121 133 141 145 163 199
GOLDSTAR	011 093 097 101 103 104 107 110 113 118 128 132
GRUNDIG	193
HALL MARK	107
HARMAN KARDON	201
HITACHI	001 011 015 016 017 018 029 043 072 132 144 147
INFINITY	148
INKEL	120
JBL	148
JC PENNEY	001 011 014 015 030 035 092 132 145
JENSEN	019
JVC	038 040 079 134
KAWASHO	173
KEC	045
KENWOOD	001 204
KLOSS	002 060
KMC	132
KTV	001 045 132 162
LLOYTRON	172 173
LODGENET	069
LOGIK	069
LUXMAN	011
LXI	013 021 053 077 145 148
MAGNAVOX	001 003 011 060 061 062 064 065 118 132 145 148
MARANTZ	001 074 148
MATSUI	148
MEMOREX	013 069 107
METZ	084
MGA	001 011 033 044 050 074 107

Setup Code Table: TV (Continued)

Manufacturer/Brand	Setup Code Number
MIDLAND	199
MINERVA	084
MITSUBISHI	001 011 030 033 042 044 100 107 115 154 160 167 168
MTC	175 176
NAD	021 031
NATIONAL	177 178 179 180 181 182
NEC	001 013 022 025 030 042 057 121 123 125
NIKEI	045
ONKING	045
ONWA	045
OPTONICA	025 077
ORION	207 208 209 210 211
PANASONIC	038 057 076 087 148 169
PENNEY	199
PHILCO	001 003 011 030 045 057 060 061 064 065 118 132 148
PHILIPS	001 003 011 040 060 067 088 132 145 148
PIONEER	001 024 029 031 032 107 213 214
PORTLAND	011 132
PROSCAN	133
PROTON	059 107 122 132 165
QUASAR	038 057 087
RADIO SHACK	025 045 048 107 118 132 195 196 197 198
RCA	001 011 029 030 057 071 133 145 161 163 199
REALISTIC	013 025 045 048 195 196 197
RUNCO	152 153
SAA	183
SAMPO	001 059 107
SAMSUNG	051 085 092 096 104 107 118 124 128 132 145
SANYO	013 026 027 037 041 054 058 078
SCOTT	033 045 049 107 132
SEARS	011 013 021 033 035 058 078 092 107 132 145
SHARP	011 020 025 028 033 034 077 132 154
SIEMENS	084
SIGNATURE	069
SONY	043 067 075 117 130 136 194 212
SOUNDESIGN	003 033 045 107
SPECTRICON	103
SSS	011 045
SUPREMACY	002
SYLVANIA	001 003 011 060 061 064 065 107 118 131 145 148
SYMPHONIC	184
TANDY	077
TATUNG	057 063
TECHNICS	080
TECHWOOD	011
TEKNIKA	001 002 003 011 030 033 036 045 069 074 092 094 132
TELEFUNKEN	039 047 083
TELERENT	069
TERA	156
THOMSON	190 191
TMK	011 107
TOSHIBA	013 021 035 042 052 063 092 129 202
TOTEVISION	132
UNIVERSAL	014 015
VIDEO CONCEPTS	160
VIDTECH	011 107
WARDS	011 014 015 025 033 061 062 064 065 069 071 107 132 148
YAMAHA	001 011
YORK	107
YUPITERU	045
ZENITH	069 070 090 094
ZONDA	103

Setup Code Table: VCR

Manufacturer/Brand	Setup Code Number
AIWA	040
AKAI	022 048 050 108 109 126
AMPRO	076
AMSTRAD	133
ANAM	037 039 089
ASA	134
AUDIO DYNAMICS	018 029 044 048
BROKSONIC	041 043 110 147 166
CANDLE	134 135 137
CANON	034 037 039 135 140
CAPEHART	094
CITIZEN	134
CRAIG	003 045 116
CURTIS MATHES	037 039
DAEWOO	012 014 017 068 069 094 096 097 098 102 103 104
DAYTRON	094
DBX	018 029 044 048
DUAL	136
DYNATECH	040 057
ELECTROHOME	063
EMERSON	013 023 031 033 035 037 040 041 042 043 050 087 110 112 119
FERGUSON	136
FINLUX	133
FISHER	003 015 016 017
FUNAI	040 133
GE	037 039 067 076 093 095 124 127
GO VIDEO	113 117
GOLDSTAR	018 019 026 087 092 100 107
GRAETZ	136
HARMAN KARDON	018 049
HITACHI	011 040 048 067 118 130
INSTANT REPLAY	037 039
ITT	136
JCL	037 039
JC PENNEY	018 019 021 039 045 070 087
JENSEN	048
JVC	018 037 039 048 052 054 059 064 111 130 132
KENWOOD	020 044 048 052
LLOYD	040
LXI	019 020 040 087
MAGIN	045
MAGNAVOX	037 039 040 071 072
MARANTZ	018 037 039 071 073
MARTA	087
MATSUI	033 036
MEI	037 039
MEMOREX	003 017 020 037 039 040 057 076 087 115 120
MGA	049 050 063
MINOLTA	019 026
MITSUBISHI	019 026 049 050 053 055 063 065 131 145 146
MTC	133
MULTITECH	030 040
NAD	139
NATIONAL	140
NEC	018 029 044 048 052

Setup Code Table: VCR (continued)

Manufacturer/Brand	Setup Code Number
NORDMENDE	048
OPTIMUS	159
OPTONICA	057 058
ORION	147 166
PANASONIC	070 074 078 086 114 125 150 167 172
PENTAX	019 026 037 039 067
PHILCO	037 039 040 071
PHILIPS	037 039 040 058 071 075 087
PILOT	087
PIONEER	019 027 052
PORTLAND	094
PULSAR	076
QUARTZ	001 020
QUASAR	039 070 079 125 144
RADIO SHACK	133 134 137 140 141 142 152 158 159 160 161
RCA	019 026 039 066 067 093 095 124 125 127 157 172
REALISTIC	003 015 017 020 037 039 040 045 057 058 087 137 152 159 160
RICO	062
RUNCO	128
SABA	136
SAISHO	143
SALORA	020
SAMSUNG	038 045 088 090 091 093 095 098 099 101 105 106 109
SANSUI	028 048 052 116 147 166
SANYO	003 014 017 020 115
SCHAUB LORENZ	136
SCOTT	023 043 098 110 112
SEARS	003 015 016 017 019 020 026 037 047 077 084 087
SHARP	037 058 129 156
SHINTOM	030
SONY	003 016 037 056 060 061 062 080 081 082 129
SOUNDESIGN	040
STS	019
SYLVANIA	037 039 040 063 071
SYMPHONIC	040
TANDY	017 040
TASHICO	134
TATUNG	044 048
TEAC	040 044 048
TECHNICS	037 039
TEKNIKA	025 037 039 040 087
TELEFUNKEN	136
THOMAS	040
THOMSON	136
THORN	136
TMK	013
TOSHIBA	015 019 047 051 063 085 098 112 155
TOTEVISION	045 087
UNITECH	045
VECTOR RESEARCH	018
VICTOR	052
VIDEO CONCEPTS	018 040 050
VIDEOSONIC	045
WARDS	003 019 023 030 037 039 040 045 057 058 112
YAMAHA	018 040 044 048
ZENITH	040 052 060 062 076 083 087

Setup Code Table: CD

Manufacturer/Brand	Setup Code Number									
ADC	012									
ADCOM	049	063	069							
AIWA	072	111	118	156	170					
AKAI	050	177	184							
AUDIO TECHNICA	053									
AUDIOACCESS	125									
AUDIOFILE	211									
BSR	044	064								
CALIFORNIA AUDIO	015	109								
CAPETRONIC	070									
CARRERA	064	087								
CARVER	051	057	136	140	141	143	144	145	185	186
CASIO	066	117	122	166						
CLARINETTE	122	166								
CROWN	042									
CURTIS MATHES	066									
DENON	187	188	213							
EMERSON	049	052	093	108						
FISHER	023	055	057	068						
FRABA	117									
FUNAI	126									
GE	164									
GENEXXA	017	096	108							
GOLDSTAR	016	087								
HAITAI	099	214								
HARMAN KARDON	001	002	025	040	054	190	218	219		
HITACHI	049	093								
INKEL	026	027	216							
JC PENNEY	021	066	098	147						
JENSEN	153									
JVC	029	176	195	196						
KENWOOD	014	020	023	030	062	078	079	148	151	176 178 181
KYOCERA	012									
LOTTE	108									
LUXMAN	018	035	077	102						
LXI	066	164								
MAGNAVOX	039	051	113							
MARANTZ	043	051	058	084	191	192	193			
MCINTOSH	194									
MCS	021	066	080	098						
MEMOREX	096									
MGA	032									
MISSION	051									
MITSUBISHI	032									
MITSUMI	152									
MODULAIRE	122	166								
NAD	013	074	197	198						
NAKAMICHI	199	200	201							
NEC	021	069								
NIKKO	053	055								
NSM	051									

Setup Code Table: CD (continued)

Manufacturer/Brand	Setup Code Number														
ONKYO	037	038	045	046	171	175	202	203							
OPTIMUS	020	036	056	057	064	065	089	090	091	092	096	099	104	212	
PANASONIC	015	075	109	119	158	183	204								
PHILIPS	039	051	138	149	209										
PIONEER	017	036	071	094	096	100	112	123	131	160	161	162	215		
PROTON	051	210													
QUASAR	015	109													
RADIO SHACK	122	126	213												
RCA	024	049	081	093	150										
RCX	169														
REALISTIC	049	056	057	058	093	095	104	105	108	164	166				
ROTEL	051														
SAE	051														
SAMSUNG	028														
SANSUI	047	051	081	134	157	172									
SANYO	033	057	068	082	095	168									
SCOTT	108														
SEARS	066														
SHARP	020	058	073	105	114	151	159	167	180	181					
SHERWOOD	003	026	027	041	058	105	133								
SIGNATURE	040														
SONY	060	103	115	116	118	132	139	163	205	206	207	208	212	217	
SOUNDSTREAM	124														
STS	012														
SYLVANIA	051														
SYMPHONIC	059	110													
TAEKWANG	177														
TANDY	096														
TEAC	011	022	048	058	085	086	106	107	110	121	137	146	154		
TECHWOOD	083														
THETA DIGITAL	039														
TOSHIBA	013	074	097	151	155	173									
VECTOR RESEARCH	087														
VICTOR	029	120	130												
WARDS	040	095													
YAMAHA	019	031	053	061	135	169									
YORK	122	166													

Setup Code Table: Tape

Manufacturer/Brand	Setup Code Number
HARMAN KARDON	001

Setup Code Table: Audio

Manufacturer/Brand	Setup Code Number
HARMAN KARDON	001

Setup Code Table: DVD

Manufacturer/Brand	Setup Code Number
APEX DIGITAL	061
CALIFORNIA AUDIO	040
DENON	002 019 022 034 051
GE	003 004
GOLDSTAR	005
HARMAN KARDON	001 032
JVC	006
KENWOOD	007 050
LG	005 055 064
LOTTE	008
MAGNAVOX	033 056
MARANTZ	033 059
mitsubishi	023 036
NAD	010 062
ONKYO	009 015 048
OPTIMUS	011 050
PANASONIC	024 025 030 034 035 044 052
PHILIPS	033 056
PIONEER	012 020 038 041 046 047 065
PROCEED	060
PROSCAN	003 004 037
RCA	003 004 018 037
RUNCO	027
SAMSUNG	031 053 054
SANYO	013 049
SHARP	021 028 050
SONY	015 029 043 045
TECHNICS	026
THOMSON	003 004
TOSHIBA	009 033 047 057 058
YAMAHA	016 017 030 063
ZENITH	005 033 055 064
ZENITH DIVX	039

Setup Code Table: SAT

Manufacturer/Brand	Setup Code Number															
ALPHASTAR	472															
ALPHASTAR DBS	450															
ALPHASTAR DSR	422	442														
AMPLICA	356															
BIRDVIEW	414	425														
BSR	359															
CAPETRONICS	359															
CHANNEL MASTER	320	321	322	325	361											
CHAPARRAL	315	316	319	380	451											
CITOH	360															
CURTIS MATHES	356															
DRAKE	312	313	317	318	413	481										
DX ANTENNA	331	352	362	379	483											
ECHOSTAR	364	395	397	452	453	463	477	478	484	485						
ELECTRO HOME	392															
EUROPLUS	415															
FUJITSU	324	328	329	334												
GENERAL INSTRUMENT	303	311	323	365	403	454	468	474								
HITACHI DBS	455															
HOUSTON TRACKER	463															
HUGHES	372	437														
HYTEK	359															
JANIEL	366															
JERROLD	367	454	464	468												
KATHREIN	410															
LEGEND	453															
LUXOR	368															
MACOM	317	365	369	370	371											
MAGNAVOX	461	473														
MEMOREX	453															
NEXTWAVE	423	424														
NORSAT	373	374														
OPTIMUS	466															
PANASONIC	366	469														
PANASONIC DBS	457															
PANSAT	420															
PERSONAL CABLE	418															
PHILIPS	375															
PICO	407															
PRESIDENT	326	404														
PRIMESTAR	412	454	464	475												
RCA	301	408	436	439	458	465										
REALISTIC	349	377	480													
SAMSUNG	422	442														
SATELLITE SERVICE CO	335	341	353	388												
SCIENTIFIC ATLANTA	339															
SONY	405	438														
STAR CHOICE DBS	459															
STARCAST	347															
SUPER GUIDE	327	423	424													
TEECOM	330	333	378	390	391	393	409									
TOSHIBA	302	426	443	460	461	462	470									
UNIDEN	323	332	348	349	350	351	354	355	381	382	383	389	403	466	479	480
ZENITH	385	386	387	394	419											

Setup Code Table: CBL

Manufacturer/Brand	Setup Code Number
ABC	001 003 011 045 048 052 059 110
ALLEGRO	111
AMERICAST	212
ANTRONIX	021
ARCHER	012 014 021 031 112
BELCOR	113
CABLE STAR	033 113
CENTURION	092
CENTURY	014
CITIZEN	014 111
COLOUR VOICE	069 090
COMBANO	083 084
COMTRONICS	026 037
DIAMOND	030
DIGI	114
EAGLE	027 037 046 186
EASTERN	063 066 070 115
ELECTRICORD	039
EMERSON	112
FOCUS	116
G.I.	001 003 011 015 017 093 095 096 097
GC ELECTRONICS	113
GE	076
GEMINI	015 029 032 060
GENERAL	210
GENERAL INSTRUMENT	168
GOLDEN CHANNEL	037
GOODMIND	112
HAMLIN	055 056 061 099 100 101 117 175 207 208
HITACHI	001 061 188
HOSPITALITY	074 080
JASCO	111
JERROLD	001 002 003 011 015 016 017 073 093 095 096 097 162 167
LINDSAY	118
M-NET	043
MACOM	040 191
MAGNAVOX	017 019 068 082
MEMOREX	058
MOVIE TIME	035 039
NSC	022 035 044 075 190
OAK	023 038 043 059 094 196 197
PACE	179
PANASONIC	050 053 176 177 189 214
PANTHER	114
PARAGON	058
PHILIPS	013 019 020 027 069 085 090
PIONEER	001 041 057 079 119 171 200 209
POPULAR MECHANICS	116
POST NEWS WEEK	023
PRELUDE	120
PRIMESTAR	162
PTS	018 054 075 076

Setup Code Table: CBL (continued)

Manufacturer/Brand	Setup Code Number
PULSAR	058
RADIO SHACK	111 112 213
RCA	053 214
RECOTON	116
REGAL	055 056 061 099 100 101 207
REGENCY	063 115
REMBRANT	032
SAMSUNG	037 072 186
SCIENTIFIC ATLANTA	003 018 047 048 049 051 052 110 183 184 203 204
SEAM	121
SHERITECH	029
SIGNAL	037
SIGNATURE	001 188
SL MARX	037
SPRUCER	053 081 177 189
STARCOM	002 011 015 016 163
STARGATE	015 037 120
SYLVANIA	071
TADIRAN	037
TANDY	024
TELECAPATION	028
TEXSCAN	036 071
TFC	122
TIMELESS	123
TOCOM	045 046 062 170 205
TOSHIBA	058
UNIKA	014 021 031
UNITED CABLE	011 059
UNIVERSAL	012 014 021 031 033 034 039 042 113
VIDEOWAY	124 211
VIEWSTAR	019 022 025 086 087 088 089 190
ZENITH	058 065 098 125 211
ZENITEK	116

