

- A LED Indicator
- Main Power Off
- Main Power On
- Device Control Selectors
- AVR Selector
- G Source Selectors
- @ 6-Channel Direct
- Disc Skip
- Sleep Button
- Dimmer
- (Clear Button
- Master Volume
- Mute
- P•Scan
- Volume
- FM Mode
- Transport Controls
- Preset Up/Down
- O Source Power
- ▼ Numeric Keys
- M Direct
- X Auto Preset
- Secondary Control Cover
- AA
 ✓/► Buttons
- Set Button
- Channel Button
- Test Tone
- **Ballet** Delay
- Memory

IMPORTANT NOTE: The AVR5's remote may be programmed to control up to three additional devices, including the AVR5. Before using the remote, it is important to remember to press the **Device Control Selector** button **① ②** that corresponds to the unit you wish to operate. The remote is capable of operating a wide variety of products using the control codes that are part of the remote. Before using the remote with other products, follow the instructions on pages 23–26 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 AVR5. (See page 24 for information about alternate functions for the remote's buttons.)

- ♠ LED Indicator: This indicator will flash whenever a button is pressed to confirm that a remote command is being transmitted. It will also flash while the remote is being programmed to assist in entering or reading remote codes. Note that this is NOT a standard remote button, and has no function when pressed.
- (3) Main Power Off: When the AVR5 is turned on, press this button to place it in the Standby mode. Note that in this condition, the unit is still connect to AC Power.
- Main Power On: When the AVR5 is in the Standby mode, as indicated by the Power Indicator
 glowing green, press this button to turn the AVR5 on.
- **O Device Control Selectors:** Press one of these buttons to use the remote to control the functions of another audio/video device. Note that the button will briefly turn red after it has been pressed to confirm your selection. (See pages 23–25 for information on programming the AVR5's remote to operate these devices.)

AVR Selector: Press this button to use the remote control for operation of the AVR5. Note that the button will briefly turn red after it has been pressed to confirm your selection.

© Source Selectors: Press these buttons to select an input source for the AVR5. The AM/FM button is also used to switch between frequency bands when the tuner is in use.

NOTE: Pressing one of these buttons selects the source only. In order to control the actual source machine using the remote you must press the **Device Control Selector** button **3** for the desired product.

- **© 6-Channel Direct:** Press this button to use the output of an optional, external digital decoder as the AVR5's input source.
- **(†)** Disc Skip: These buttons do not have any functions when controlling the AVR5, but they operate the Disc Skip functions of compatible Harman Kardon compact disc changers. The Disc Skip Up button will also function as the Open/Close button for certain DVD and LD equipment when the remote is properly programmed to control them.
- Sleep Button: Press this button to place the unit in the Sleep mode. After the time shown in the display, the AVR5 will automatically go into the Standby mode. Each press of the button changes the time until turn-off in the following order:

① Dimmer: Press this button once to reduce the brightness of the front panel display to half the normal intensity. Press it again to turn the front panel display completely off. When the display is completely off, press the button to return to normal brightness.

- (Surround/Channel Selectors: Press these buttons to check or change the current Surround mode. When either one of these two buttons is first pressed, the Information Display i will show the current Surround mode. Press either button again to change the current Surround mode by scrolling the list of available modes as they appear in the **Information Display** 30. When the remote is being used to control a VCR or TV set, these buttons are used to change channels. These buttons are also used when the remote is being programmed to "find" the correct codes via the Search mode. (See page 23 for more information on programming the remote.)
- (D) Clear Button: This button is used to clear preset memory information for the AVR5's tuner. (See pages 21–22 for more information on tuner presets.)
- Master Volume: Press these buttons to raise or lower the AVR5's volume. These buttons are also used to obtain the IR code numbers for a device that has been programmed into the remote. (See page 23 for more information on programming the remote.)
- P-Scan: Press this button to automatically scan through the list of stations that are programmed into the AVR5's tuner memory. When the button is pressed, each preset station will play for five seconds before the next station is selected. Press the button again when the desired station is heard to stop the preset scan.

- **Q Volume:** When the remote has been properly programmed for a compatible device, these buttons may be used to raise or lower the volume of a TV. Note that they DO NOT change the volume of the AVR5. That is done with the **Master Volume** button **(M)**.
- **© FM Mode:** Press this button when the tuner is in use in the FM band to switch to monaural reception if the station is weak and noisy. When the **MONO** indicator is on, FM reception will be monaural regardless of the strength of the tuned FM station. (See page 21 for more information.)
- **(a)** Transport Controls: These buttons are used to control Play, Play Forward, Play Reverse, Stop, Pause and Record functions on compatible Harman Kardon compact disc players/changers and cassette tape decks. When the remote has been programmed to control an external device, such as a VCR, DVD or LD, these buttons may be used to control the standard Forward, Reverse, Stop and Pause functions, as well. (See page 23 for information on programming the remote.)
- ♦ Tuning Up/Down: When the tuner is in use, these buttons will tune up or down through the selected frequency band. A brief (½ second) press of the button will manually tune to the next frequency increment, while pressing and holding the button for a longer period will automatically tune to the next station with a signal strong enough for acceptable reception. These buttons will also control Fast Forward and Fast Reverse (or Rewind) for compatible Harman Kardon compact disc players/ changers and cassette tape decks, as well as controlling these functions on a DVD or VCR, if the remote has been properly programmed.
- Preset Up/Down: When the tuner is in use, these buttons scroll through the stations that have been programmed into the AVR5's memory. These buttons also control the track Skip Up and Down on compatible Harman Kardon compact disc players/ changers as well as controlling the

- similar functions on a DVD if the remote has been properly programmed.
- ① Source Power: When the remote has been properly programmed to control another product, and the **Device Control Selector** ② for that device has been pressed, press this button to turn the product on or off.
- ▼ Numeric Keys: These buttons serve as a ten-button numeric keypad to enter tuner preset positions. They are also to be used to select channel numbers when TV or VCR has been selected on the remote, or to select track numbers on a DVD player, depending on how the remote has been programmed.
- **W Direct:** Press this button to select a radio station by entering its frequency using the **Numeric Keys ▼**. (See page 21 for more information.)
- X Auto Preset: When the tuner and FM band have been selected, this button may be used to automatically program the tuner presets for all active stations. To start the auto preset scan, press and hold the button. Note that the MEMO and PRESET indicators will flash. After a few seconds, the tuner will start to "look" for active stations, as shown by increasing frequency numbers in the Information Display. Release the button and note that the tuner will briefly stop at each active station and add a preset number to the memory. If the FM tuner found less the 30 FM stations with acceptable signal strength, the Auto Preset tuning will scan two more cycles or until the remaining vacant preset memory spaces have been filled with those found in the first scan. The scan will stop when all 30 preset memory spaces have been filled or when three scans through the band have been completed.
- ▼ Center: Use this button to configure the AVR5 for the type of center channel speaker being used. (See page 15 for more information.)
- ✓ Secondary Control Cover: This sliding cover normally is in the "up" position so that it hides the secondary controls. To access these

- controls, place your thumb on the small recessed area at the top center of the control, and gently press the cover down and towards you.
- AA </br>

 AA
 IDentify

 are used to change settings during the level output adjustments with either the test tone or an external audio source. (See page 16 for information on output level adjustment with the test tone, or page 22 for level trim adjustment with an external source.)
- Set Button: This button has two functions. If this button is pressed while in normal operation, the Information Display will show the Surround mode for three seconds. This button is also used to enter an output level setting when using the Test Tone and Selector buttons 22. (See pages 15–17 for more information on setting output levels.)
- button to adjust the AVR5's output levels using an external audio source, rather than the internal test signal generator. Each press of the button will select a channel for adjustment. To trim the output level, use the <
- **DD Test Tone:** Press this button to start the procedure for adjusting the AVR5's output levels. (See page 16 for more information.)
- Delay: Press this button to change the AVR5's delay settings. To change the settings, first make certain that the Pro Logic mode has been selected. Then, each press of the button will change the delay setting in the following order:

| ─ > | 15 ms | \rightarrow | ∠u ms | \rightarrow | 30 ms | ->- |
|------------|-------|---------------|-------|---------------|-------|-----|
| | | | | | | _ |

(See page 17 for more information on delay settings.)

FF Memory: Press this button to open a memory position that stores a preset location for the AVR5's tuner. (See page 21 for more information on tuner presets.)

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The AVR5 is equipped with a powerful remote control that will control not only the receiver's functions, but many popular brands of video equipment, including TV sets, VCRs and DVD players. Once the AVR5'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, universal remote control.

Programming the Remote

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), but also the specific brand name. If there is more than one number for a brand, make note of the different choices.
- 2. Turn on the component you wish to program into the AVR5 remote.
- 3. Press and hold both the **Device**Control Selector for the type of product to be entered (e.g., VCR, TV) and the Mute button at the same time. Hold both buttons until the **LED Indicator** lights to a red color. Note that the next step must take place while the red light is on, and it must begin within 20 seconds after the light illuminates.
- Point the AVR5's remote towards the unit to be programmed, and enter the first three-digit code number using the

Numeric buttons M. If the unit turns off, the correct code has been entered. Press the **Device Control Selector** again, and note that the red light will flash twice to confirm the entry before going dark.

- 5. If the device to be programmed in does NOT turn off, continue to enter the three-digit code numbers until the equipment turns off. At this point, the correct code has been entered. Press the **Device Control Selector** again, and note that the red light will flash twice to confirm the entry before going dark.
- 6. 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 the volume, channel and transport controls, as appropriate. If all 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 all functions do not operate properly, try programming the remote with the Auto Search Method.

Auto Search Method

If the unit you wish to include in the AVR5'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 as shown below.

- 1. Turn on the component that you wish to program into the AVR5 remote.
- 2. Press the **Device Control Selector** for the type of product to be entered (e.g., VCR, TV) and the **Mute** button at the same time. Hold both buttons until the **LED**Indicator's red light 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 illuminates.
- 3. Point the AVR5 remote towards the unit to be programmed, and press and hold one of the Surround/Channel buttons. This will send out a series of codes from the remote's built-in data base, with each flash of the LED Indicator's red light indicating that a code has been sent. When the device to be programmed turns off, IMMEDIATELY release the Surround/Channel button.
- 4. Press the Device Control Selector again, and note that the LED Indicator's red light will flash twice to confirm the entry before going dark.
- 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 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.

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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 **Device**Control Selector for the type of product to be entered (e.g., VCR, TV) and the Mute button for at the same time. Hold both buttons until the **LED Indicator's** for red light 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 illuminates.
- 2. Press the Master Volume Up or Down button (1). The LED Indicator's (2) red light will blink in a sequence that corresponds to the three-digit code, with a one-second pause between each digit. Count the number of blinks between each pause to determine the digit of the code. One blink is the number 1, two blinks is 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:

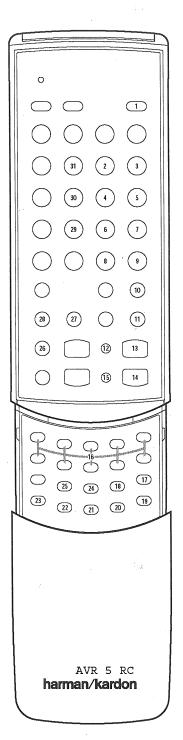
| TV | VCR |
|-----|-----|
| DVD | |

Programmed Device Functions

Once the AVR5's remote has been programmed for the codes of other devices, press the appropriate **Device Control Selector** • to change the remote from control over the AVR5 to the additional product. When you press any of the **Device Control Selectors**, the **LED Indicator** • will briefly flash in red to indicate that you have changed the device being controlled.

When operating a device other than the AVR5, 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 with the AVR5. Other buttons will change their function so that they correspond to a secondary label on the remote. For example, the Surround Mode selector buttons also function as the Channel Up and Channel Down buttons when operating most TV sets or VCRs. The Channel Up/Down indication is printed directly on the remote. The same is true for standard VCR and DVD functions, which follow the standard function icons 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 printed in this manual. To use those tables, first check the type of device being controlled (e.g., TV, VCR). Next, look at the remote control diagram pictured on the following page. Note that each button has a number on it.



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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 19 is the Test Tone button for the AVR5, but it is the "Display" button for many TV sets. Button number 2 is the Preset Tune Down button for the AVR5, and it is the, "Reverse Skip" button for DVD or LD players but has no function for VCRs or TV sets.

NOTE: Only those buttons shown on the diagram and table have functions with products other than the AVR5. In addition, some products may differ from the functions shown in the table, and other buttons may not function with some products.

Notes on Using the AVR5 Remote With Other Devices.

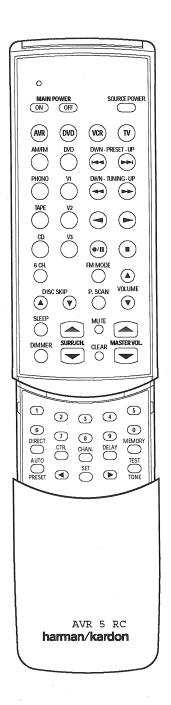
 Manufacturers may use different code sets for the same product category. For that reason, it is important that you check to see if the code set you have entered operates as many controls as possible. If it appears that only a few functions operate, check to see if another code set will work with more buttons. When a button is pressed on the AVR5
remote, the LED Indicator will
flash briefly. If it 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.

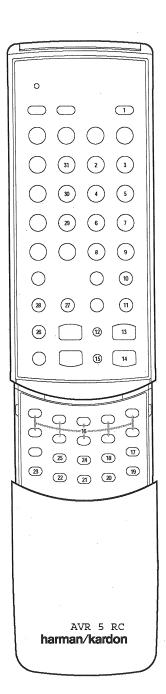
Function List

| No. | AVR5 | DVD | VCR | TV |
|----------|--------------------|---------------------|---------------------|---------------------|
| 1 | No Function | Power On/Off | Power On/Off | Power On/Off |
| 2 | Preset Tune Down | Skip ◄◄ | No Function | No Function |
| 3 | Preset Tune Up | Skip ►► | No Function | No Function |
| 4 | Tune Down | Search | Rewind | No Function |
| 5 | Tune Up | Search ►► | Fast Forward | No Function |
| 6 | No Function | No Function | No Function | No Function |
| 7 | No Function | Play Forward | Play Forward | No Function |
| 8 | No Function | Pause , | Record | No Function |
| 9 | No Function | Stop | Stop. | No Function |
| 10 | No Function | Volume Up | Volume Up | Volume Up |
| 11 | No Function | Volume Down | Volume Down | Volume Down |
| 12 | Mute | AVR5 Mute | AVR5 Mute | AVR5 Mute |
| 13 | Master Volume Up | AVR5 Volume Up | AVR5 Volume Up | AVR5 Volume Up |
| 14 | Master Volume Down | AVR5 Volume Down | AVR5 Volume Down | AVR5 Volume Down |
| 15 | Clear | Clear | No Function | No Function |
| 16 | Numeric Keys | Numeric Keys | Numeric Keys | Numeric Keys |
| 17 | Memory | Enter | No Function | Enter |
| 18 | Delay | Down | No Function | Down |
| 19 | Test Tone | No Function | No Function | Display |
| 20 | b | Right | No Function | Right |
| 21 | Set | Select | No Function | Select |
| 22 | 4 | Left | No Function | Left |
| 23 | Auto Preset | Menu | No Function | Menu |
| 24 | Channel | Return | No Function | Previous Channel |
| 25 | Center | Up | No Function | Up |
| 26 | Sleep | No Function | No Function | Sleep |
| 27 | Disc Skip Down | No Function | No Function | No Function |
| 28 29 | Disc Skip Up | Open/Close | No Function | No Function |
| 29 | Video 2 Select | AVR5 Video 2 Select | AVR5 Video 2 Select | AVR5 Video 2 Select |
| 30 | Video 1 Select | AVR5 Video 1 Select | AVR5 Video 1 Select | AVR5 Video 1 Select |
| 31 | DVD Select | AVR5 DVD Select | AVR5 DVD Select | AVR5 DVD Select |

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Reference for Function List





Setup Code Tables: TV

| 1 | | | | | | | | | | | | | | | | |
|--------------------|------------|------|-----|------|-----|-----|------|-----|-----|-----|-----|-----|-------|------|---|---|
| Manufacturer/Brand | er | | | | | | | | | | | | | | | |
| A MARK | 096 | 124 | | | | | | | | | | | | | | |
| AKAI | 006 | 145 | | | | | | | | | | | | | | |
| AMPRO | 067 | 152 | | | | | | | | | | | | | | |
| AMSTRAD | 051 | | | | | | | | | | | | | | | |
| ANAM | 043 | 053 | 055 | 073 | 088 | 092 | 096 | 099 | 102 | 105 | 115 | | | | | |
| AOC | 006 | 009 | 096 | | | | | | | | | | | | | |
| BLAUPUNKT | 079 | | | | | | | | | | | | | | *************************************** | |
| CANDLE | 006 | 007 | 008 | 009 | | | | | | | | | | | | |
| CAPEHART | 057 | | | | | | | | | | | | | | | *************************************** |
| CENTRONIC | 043 | | | | | | | | | | | | | | | |
| CITIZEN | 006 | 007 | 008 | 009 | 043 | 085 | 087 | 124 | | | | | | | | |
| CLASSIC | 043 | | | | | | | | | | | | | | | |
| CONCERTO | 009 | | | | | | | | | | | | | - | | *************************************** |
| CONTEC | 039 | 043 | 049 | 050 | | | | | | | | | | | | |
| CORONADO CRAIG | 124 | 0.50 | | | | | | | | | | | | | | |
| CROWN | 043 | 053 | | | | | | | | | | | | | | |
| CURTIS MATHES | 043 006 | 124 | 100 | 104 | | | | | | | | | | | | |
| CXC | 043 | 085 | 100 | 124 | | | | | | | | | | | | |
| DAEWOO | 043 | 020 | 021 | 036 | 043 | 044 | 054 | 065 | 070 | 087 | 091 | 095 | . 000 | 1.01 | 104 10 | 177 |
| DVTMOO | 109 | 111 | 112 | 119 | 124 | U44 | UJ4 | UUU | UIU | 001 | กลา | 090 | 098 | 101 | 104 10 | 11 |
| DAYTRON | 100 | 124 | 112 | 117 | 124 | | | | | | | | | | | |
| DYNASTY | 043 | 144 | | | | | | | | | | | | | | |
| DYNATECH | 043 | | | | | | | | | | | | | | | |
| ELECTROHOME | 071 | 124 | | | | | | | | | | | | | | |
| EMERSON | 006 | 010 | 031 | 043 | 046 | 047 | 049 | 050 | 084 | 100 | 124 | 128 | 129 | 130 | 147 | |
| FISHER | 011 | 056 | | 0.10 | 0.0 | | 0.10 | 000 | 001 | 100 | 141 | 160 | 144 | 100 | 111 | |
| FUNAL | 031 | 043 | | | | | | | | | | | | | | |
| FUTURETECH | 043 | | | | | | | | | | | | | | | |
| GE | 006 | 012 | 013 | 036 | 055 | 067 | 068 | 100 | 114 | 125 | 130 | 132 | 149 | 150 | | |
| GOLDSTAR | 009 | 086 | 090 | 096 | 097 | 100 | 103 | 106 | 111 | 120 | 124 | | | | | |
| HALL MARK | 100 | | | | | | | | | | | | | | | |
| HITACHI | 006 | 009 | 013 | 014 | 015 | 016 | 027 | 041 | 069 | 124 | 131 | 133 | 151 | | | |
| INFINITY | 134 | | | | | | | | | | | | | | | |
| INKEL | 113 | | | | | | | | | | | | | | | |
| JBL | 134 | | | | | | | | | | | | | | | |
| J C PENNEY | 006 | 009 | 012 | 013 | 028 | 033 | 085 | 124 | 132 | | | | | | | |
| | | | | | | | | | | | | | | | | |

Setup Code Tables: TV (Continued)

| Manufacturer/Brand | Setup |) Code | Numb | er | | | | | | | | | | | | |
|--------------------|------------|--------|------|-----|------|-----|---|---|-----|-----|---|-----|-----|---|------|-----------|
| JENSEN | 017 | | | | | | | | | | | | | | | |
| ĬVC | 036 | 038 | 076 | 126 | | | | | | | | | | | | |
| KEC | 043 | | | | | | | | | | | | | | | |
| KENWOOD | 006 | | | | | | | | | | | | | | | |
| KLOSS | 007 | 058 | | | | | | | | | | | | | | |
| KMC | 124 | | | | | | | | | | | | | | | |
| KTV | 006 | 043 | 124 | 147 | | | | | | | | | | | | |
| LODGENET | 066 | | | | | | | | | | | | | | | |
| LOGIK | 066 | | | | | | - | | | | | | | | | |
| LUXMAN | 009 | | | | | | | | | | | | | | | |
| LXI | 011 | 019 | 051 | 074 | 132 | 134 | 151 | | | | | | | | | |
| MAGNIVOX | 006 | 008 | 009 | 058 | 059 | 060 | 062 | 063 | 111 | 124 | 132 | 134 | | | | |
| MARANTZ | 006 | 071 | 134 | | | | | | | | | | | | | |
| MATSUI | 134 | 000 | 100 | | | | | | | | | | | | | |
| MEMOREX | 011 | 066 | 100 | | | | | | | | | | | | | |
| METZ | 079 | 000 | 001 | 040 | 0.40 | 071 | 100 | | | | | | | | | |
| MGA Minerva | 006 079 | 009 | 031 | 042 | 048 | 071 | - 100 | | | | | | | | | |
| MITSUBISHI | 006 | 009 | 028 | 031 | 040 | 042 | 093 | 100 | 108 | 145 | | | | | | |
| NAD | 019 | 029 | 020 | 031 | 040 | 044 | 033 | 100 | 100 | 143 | | | | | | |
| NEC | 006 | 011 | 020 | 023 | 028 | 040 | 055 | 114 | 116 | 118 | | | | | | |
| NIKEI | 043 | 011 | 020 | ULU | 020 | UTU | 000 | 117 | 110 | 110 | | | | | | |
| ONKING | 043 | | | | | | | | | | | | | | | |
| ONWA | 043 | | | | | | | | | | | | | | | |
| OPTONICA | 023 | 074 | | | | | | | | | | | | | | |
| PANASONIC | 036 | 055 | 073 | 081 | 134 | | | | | | | | | | | |
| PHILCO | 006 | 008 | 009 | 028 | 043 | 055 | 058 | 059 | 062 | 063 | 111 | 124 | 134 | | | |
| PHILIPS | 006 | 008 | 009 | 038 | 058 | 064 | 082 | 124 | 132 | 134 | | | | | | - Luciano |
| PIONEER | 006 | 022 | 027 | 029 | 030 | 100 | 144 | *************************************** | | | *************************************** | | | *************************************** | | |
| PORTLAND | 009 | 124 | | | | | | | | | | | | | | |
| PROSCAN | 125 | | | | | | | | | | | | | | | |
| PROTON | 057 | 100 | 115 | 124 | 153 | | | | | | | | | | | Marriem |
| QUASAR | 036 | 055 | 081 | | | | *************************************** | | | | | | | | | is. |
| RADIO SHACK | 023 | 043 | 046 | 100 | 111 | 124 | | | | | | | | | | 20000 |
| RCA | 006 | 009 | 027 | 028 | 055 | 068 | 125 | 132 | 146 | 149 | 150 | | | | | |

Setup Code Tables: TV (Continued)

| Manufacturer/Brand | Setuj | o Code | Numb | er | | | | | | | | | | | |
|--------------------------|------------|---|-------|---|------|-----|-----|-----|-------|-----|-----|---|-----|-----|------|
| REALISTIC | 011 | 023 | 043 | 046 | | | | | | | | | | | |
| RUNCO | 135 | 136 | | | | | | | | | | | | | |
| SAMPO | 006 | 057 | 100 | *************************************** | | | | | | | | ••••• | | | |
| SAMSUNG | 049 | 080 | 085 | 089 | 097 | 100 | 111 | 117 | 120 | 124 | 132 | | | | |
| SANYO | 011 | 024 | 025 | 035 | 039 | 052 | 056 | 075 | 151 | | | | | | |
| SCOTT | 031 | 043 | 047 | 100 | 124 | | | | | | | | | | |
| SEARS | 009 | 011 | 019 | 031 | 033 | 056 | 075 | 085 | 100 | 124 | 132 | | | | |
| SHARP | 009 | 018 | 023 | 026 | 031 | 032 | 074 | 124 | 137 | | | | | | |
| SIEMENS | 079 | *************************************** | | | | | | | | | | | | | |
| SIGNATURE | 066 | 004 | 0.770 | 440 | 400 | 407 | | | | | | | | | |
| SONY | 041 | 064 | 072 | 110 | 122 | 127 | | | | | | | | | |
| SOUNDESIGN SPECTRICON | 800 | 031 | 043 | 100 | | | | | | | | | | | |
| SSS | 096 009 | 043 | | | | | | | | | | | | | |
| SUPRE MACY | 009 | U43 | | | | | | | | | | | | | |
| SYLVANIA | 007 | 008 | 009 | 058 | 059 | 062 | 063 | 100 | 111 | 123 | 132 | 134 | | | |
| TANDY | 074 | 000 | UUJ | UJU | UUU | 002 | uuu | 100 | 111 | 143 | 134 | 104 | | | |
| TATUNG | 055 | 061 | | | | | | | | | | | | | |
| TECHNICS | 077 | 001 | | | | | | | | | | | | | |
| TECHWOOD | 009 | | | | | | | | | | | | | | |
| TEKNIKA | 006 | 007 | 008 | 009 | 028 | 031 | 034 | 043 | 066 | 071 | 085 | 087 | 124 | | |
| TELEFUNKEN | 037 | 045 | 078 | 143 | | | | | | | | | | | |
| TELERENT | 066 | | | | | | | | | | | • | | | |
| TERA | 138 | | | | | | | | | | | | | | |
| TMK | 009 | 100 | | | | | | | ••••• | | | *************************************** | | | |
| TOSHIBA | 011 | 019 | 033 | 040 | 050 | 061 | 085 | 121 | | | | | | | |
| TOTEVISION | 124 | | | | | | | | | | | | | | |
| UNIVERSAL | 012 | 013 | | | | | | | | | | | | | |
| VIDEO CONCEPTS | 145 | | | | | | | | | | | | | | |
| VIDTECH | 009 | 100 | | | | | | | | | | | | | |
| WARDS | 009 | 012 | 013 | 023 | 031 | 059 | 060 | 062 | 063 | 066 | 068 | 100 | 124 | 134 | |
| YAMAHA | 006 | 009 | | | | | | | | | | | | | |
| YORK | 100 | | | | | | | | | | | | | | |
| YUPITERU | 043 | በይማ | ΛO2 | 007 | 1.40 | | | | | | | | | | |
| ZENITH Zonda | 066 096 | 067 | 083 | 087 | 148 | | | | | | | | | | |
| LUNUA | nao | | | | | | | | | | | | | | |

Setup Code Tables: VCR

| 1.6 C / /D 1 | | | 187 - 1 | | | | | | | | | | | | | | |
|--------------------|------------|------------|---------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|----|------|---|-----------|
| Manufacturer/Brand | • | | | | | | | | | | | | | | | | |
| AIWA | 035 | | | | | | | | | | | | | | | | |
| AKAI Ampro | 019 070 | 042 | 044 | 102 | 103 | 117 | | | | | | | | | | | |
| ANAM | 070 | 034 | 083 | | | | | | | | | | | | | | |
| AUDIO DYNAMICS | 015 | 025 | 039 | 042 | | | | | | | | | | | | | |
| BROKSONIC | 036 | 038 | 104 | 0.12 | | | | | | | | | | | | | |
| CANON | 029 | 032 | 034 | | | | | | | | | | | | | | 1000C |
| CAPEHART | 088 | | | | | | | | | 1 | | | | | | | |
| CRAIG | 007 | 040 | 110 | | | | | | | | | | | | | | |
| CURTIS MATHES | 032 | 034 | 01.4 | oca | nca | 000 | 000 | 091 | 002 | 096 | 097 | 098 | | | | | |
| DAEWOO DAYTRON | 009 088 | 011 | 014 | 062 | 063 | 088 | 090 | 091 | 092 | 090 | UUI | U96 | | | | | |
| DBX | 015 | 025 | 039 | 042 | | | | | | | | | | | | | |
| DYNATECH | 035 | 051 | 000 | 012 | | | | | | | | | | | | | |
| ELECTROHOME | 057 | | | | | | | | | | | | | | | | |
| EMERSON | 010 | 020 | 027 | 028 | 030 | 032 | 035 | 036 | 037 | 038 | 044 | 081 | 104 | 10 | 6 11 | 3 | |
| FISHER | 007 | 012 | 013 | 014 | | | | | | | | | | | | | 10000 |
| FUNAI | 035 | 004 | 0.01 | 070 | 007 | 000 | 115 | 110 | | | | | | | | | |
| GE GO VIDEO | 032 107 | 034 111 | 061 | 070 | 087 | 089 | 115 | 118 | | | | | | | | | |
| GOLDSTAR | 015 | 016 | 022 | 081 | 086 | 094 | 101 | | | - | | | | | | | |
| HARMAN KARDON | 015 | 043 | ULL | 001 | 000 | 001 | 101 | | | | | | | | | | |
| HITACHI | 008 | 035 | 042 | 061 | 112 | 121 | | | | | | | | | | | 100000 |
| INSTANT REPLAY | 032 | 034 | | | | | | | | | | | | | | | |
| JCL | 032 | 034 | | | | | | | | | | | | | | | |
| J C PENNEY | 015 | 016 | 018 | 034 | 040 | 064 | 081 | | | | | | | | | | |
| JENSEN IVC | 042 015 | 032 | 034 | 042 | 046 | 048 | 053 | 058 | 105 | 121 | 123 | | | | | | |
| KENWOOD | 017 | 039 | 042 | 042 | U4U | U40 | UJJ | UJO | 103 | 141 | 123 | | | | | | |
| LLOYD | 035 | 000 | 047 | 040 | | | | | | | | | | | | | |
| LXI | 016 | 017 | 035 | 081 | | | | | | | | | | | | | ***** |
| MAGIN | 040 | | | | | | | | | | | | | | | | |
| MAGNAVOX | 032 | 034 | 035 | 065 | 066 | | | | | | | | | | | | |
| MARANTZ | 015 | 032 | 034 | 065 | 067 | | | | | | | | | | | | |
| MARTA Matsui | 081 028 | 031 | | | | | | | | | • | | | | | | |
| MEI | 032 | 034 | | | | | | | | | | | | | | | |
| MEMOREX | 007 | 014 | 017 | 032 | 034 | 035 | 051 | 070 | 081 | 109 | 114 | | | | | | |
| MGA | 043 | 044 | 057 | 004 | 501 | 000 | 001 | 0.0 | 551 | .00 | | | | | | | 100000 |
| MINOLTA | 016 | 022 | | | | | | | | | | | | | | | |
| MITSUBISHI | 016 | 022 | 043 | 044 | 047 | 049 | 057 | 059 | 122 | | | | | | | | |
| MULTITECH | 026 | 035 | 000 | 0.10 | 0.10 | | | | | | | | | | | | |
| NEC | 015 | 025 | 039 | 042 | 046 | | | | | | | | | | | | |
| NORMENDE | 042 | | | | | | | | | | | | | | | | |

Setup Code Tables: VCR (Continued)

| Manufacturer/Brand | Setup | o Code | Numb | er | | | | | | | | | | | | |
|--------------------|------------|------------|------------|------------|-----|---|-----|-----|---|-----|-----|-----|-----|------|---|--------------|
| OPTONICA | 051 | 052 | | | | | | | | | | | | | | |
| PANASONIC | 064 | 068 | 072 | 080 | 108 | 116 | | | | | | | | | | |
| PENTAX | 016 | 022 | 032 | 034 | 061 | | | | | | | | | | | 88 |
| PHILCO | 032 | 034 | 035 | 065 | | | | | | | | | | | | |
| PHILIPS | 032 | 034 | 035 | 052 | 065 | 069 | 081 | | | | | | | | | |
| PILOT PIONEER | 081 | 000 | 0.40 | | | | | | | | | | | | | |
| PIONEER PORTLAND | 016 088 | 023 | 046 | | | | | | | | | | | | | 600 |
| PULSAR | 070 | | | | | | | | | | | | | | 1 | |
| QUARTZ | 006 | 017 | | | | | | | | | | | | | | |
| OUASAR | 034 | 064 | 073 | .116 | | | | | | | | | | | | |
| ŘCA | 016 | 022 | 034 | 060 | 061 | 087 | 089 | 115 | 116 | 118 | | | | | | |
| REALISTIC | 007 | 012 | 014 | 017 | 032 | 034 | 035 | 040 | 051 | 052 | 081 | | | | | *** |
| RICO | 056 | | | | | | | | | | | | | | | |
| RUNCO | 119 | | | | | | | | *************************************** | | | | | | | |
| SALORA SAMSUNG | 017 | 0.40 | 000 | 004 | ממר | 007 | 000 | 000 | 000 | 205 | ••• | 400 | | | | |
| SANSUI | 033 024 | 040 042 | 082 046 | 084 110 | 085 | 087 | 089 | 092 | 093 | 095 | 099 | 100 | 103 | | | |
| SANYO | 007 | 011 | 014 | 017 | 109 | | | | | | | | | | | |
| SCOTT | 020 | 038 | 092 | 104 | 103 | | | | | | | | | | | |
| SEARS | 007 | 012 | 013 | 014 | 016 | 017 | 022 | 032 | 041 | 071 | 078 | 081 | | | | ** |
| SHARP | 032 | 052 | 120 | | | | | | | | | 001 | | | | |
| SHINTOM | 026 | | | | | *************************************** | | | | | | | | | | <i>30</i> 00 |
| SONY | 007 | 013 | 032 | 050 | 054 | 055 | 056 | 074 | 075 | 076 | 120 | | | | | |
| SOUNDESIGN | 035 | | | | | | | | | | | | | | | |
| STS Sylvania | 016 032 | 034 | No E | 057 | 065 | | | | | | | | | | | |
| SYMPHONIC | 035 | 034 | 035 | 057 | เดอ | | | | | | | | | | | |
| TANDY | 014 | 035 | | | | | | | | | | | | | | |
| ATATUNG | 039 | 042 | | | | | | | | | | | | | | |
| TEAC | 035 | 039 | 042 | | | | | | | | | | | | | |
| TECHNICS | 032 | 034 | | | | | | | | | | | | | | |
| TEKNIKA | 021 | 032 | 034 | 035 | 081 | | | | | | | | | | | 2000 |
| THOMAS | 035 | | | | | | | | | | | | | | | |
| TMK Toshiba | 010 012 | 016 | 041 | 045 | 057 | 070 | 665 | 100 | | | | | | | | |
| TOTEVISION | 040 | 081 | U41 | U40 | U31 | 079 | 092 | 106 | | | | | | | | |
| UNITECH | 040 | 001 | | | | | | | | | | | | | | |
| VECTOR RESEARCH | 015 | | | | | | | | - | | | | | | | |
| VICTOR | 046 | | | | | | | | | | | | | | | |
| VIDEO CONCEPTS | 015 | 035 | 044 | | | | | | | | | | | | | 2000 |
| VIDEOSONIC | 040 | 0.15 | | | | | | | | | | | | | | |
| WARDS | 007 | 016 | 020 | 026 | 032 | 034 | 035 | 040 | 051 | 052 | 106 | , | | | | 80000 |
| YAMAHA ZENITH | 015 035 | 035 046 | 039 054 | 042 056 | 070 | 077 | 081 | | | | | | | | | |
| LLIVII II | 033 | 040 | 034 | 000 | 010 | UII | 091 | | | | | | | | | |

Setup Code Tables: DVD

| Manufacturer/Brand | Setup | Code | Number |
|--------------------|------------|------|--------|
| CALIFORNIA AUDIO | 001 | | |
| DENON | 002 | 019 | 022 |
| GE | 003 | 004 | |
| GOLDSTAR | 005 | | |
| IAC | 006 | | |
| KENWOOD LOTTE | 007 008 | 034 | |
| MAGNAVOX | 000 | 034 | |
| MITSUBISHI | 023 | | |
| NAD | 010 | | |
| ONKYO | 015 | | |
| OPTIMUS | 011 | | |
| PANASONIC | 024 | 025 | 032 |
| PIONEER | 012 | 020 | |
| RCA RUNCO | 018 027 | | |
| SAMSUNG | 031 | | |
| SANYO | 013 | | |
| SHARP | 021 | 028 | |
| SONY | 014 | 029 | |
| TECHNICS | 026 | | |
| THOMSON | 003 | 004 | |
| TOSHIBA | 033 | 017 | กรก |
| YAMAHA | 016 | 017 | 030 |

Setup Code Tables: LD

| Manufacturer/Brand | Setup | Code | Number | | | |
|--------------------|-------|------|--------|------|------|--|
| CARVER | 101 | 102 | 105 | | | |
| DENON | 106 | 107 | | | | |
| DISCO VISION | 108 | | | | | |
| HITACHI | 108 | | | | | |
| MAGNAVOX | 101 | 107 | 109 | | | |
| MARANTZ | 102 | | | | | |
| MITSUBISHI | 110 | | | | | |
| NAD | 110 | | | | | |
| NEC | 111 | | | | | |
| PANASONIC | 112 | | | | | |
| PHILIPS | 102 | | | | | |
| PIONEER | 108 | 110 | | | | |
| QUASAR | 112 | | | | | |
| RCA | 113 | | | | | |
| SAMSUNG | 105 | | | | | |
| SEGA | 108 | | | | | |
| SONY | 114 | 115 | 116 | | | |
| THETA DIGITAL | 101 | | | | | |
| YAMAHA | 109 | | | | | |