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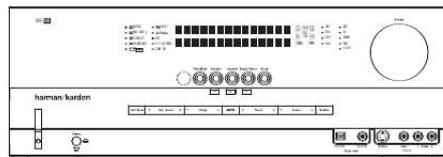
You can read the recommendations in the user guide, the technical guide or the installation guide for HARMAN KARDON AVR 340. You'll find the answers to all your questions on the HARMAN KARDON AVR 340 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual HARMAN KARDON AVR 340
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AVR 340

AUDIO/VIDEO RECEIVER
OWNER'S MANUAL



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Manual abstract:

@@@ Sur les modèles dont la fiche est polarisée: ATTENTION: Pour éviter les chocs électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqu'au fond. Typographical Conventions In order to help you use this manual with the remote control, front-panel controls and rear-panel connections, certain conventions have been used. EXAMPLE (bold type) indicates a specific remote control or front-panel button, or rear-panel connection jack EXAMPLE (OCR type) indicates a message that is visible on-screen or on the front-panel information display I (number in a square) indicates a specific front-panel control j (number in a circle) indicates a rear-panel connection a (number in an oval) indicates a button or indicator on the remote Please register your product on our Web site at www.harmankardon.com. Note: You'll need the product's serial number. At the same time, you can choose to be notified about our new products and/or special promotions. â (letter in an oval) indicates a button on the Zone II remote The appearance of the text or cursor for your receiver's on-screen menus may vary slightly from the illustrations in this manual. Whether the text appears in all uppercase or upper- and lowercase characters, performance and operation remain the same. 2 TABLE OF CONTENTS INTRODUCTION Thank you for choosing Harman Kardon! With the purchase of a Harman Kardon AVR 340, you are about to begin many years of listening enjoyment.

Designed to provide all the excitement and detail of movie soundtracks and every nuance of musical selections, the AVR 340 accomplishes its mission by harnessing advanced technologies usually found only in higher-priced receivers. The AVR 340 has been engineered so that it is easy to take advantage of all the power of its digital technology. However, to obtain the maximum enjoyment from your new receiver, we urge you to read this manual. A few minutes spent learning the functions of the various controls will enable you to take advantage of all the power the AVR 340 is able to deliver. If you have any questions about this product, its installation or its operation, please contact your retailer or custom installer.

They are your best local sources of information. Description and Features The AVR 340 is versatile and multifeatured, incorporating a wide range of listening options. In addition to Dolby® Digital and DTS® decoding for digital sources, a broad choice of Matrix surround-encoded or stereo surround modes are available for use with your CD, VCR, TV broadcasts and the AVR 340's own FM/AM tuner. Along with Dolby Digital EX, Dolby Pro Logic® IIx, DTS Neo:6®, DTS 96/24®, Dolby 3 Stereo, and Hall and Theater modes, the AVR 340 offers Harman International's exclusive Logic 7® processing in both 5.1 and 7.

1 versions to create a wider, more enveloping field environment and more defined fly-overs and pans. Another exclusive is VMAx®, which uses proprietary processing to create an open, spacious sound field even when only two front speakers are available. Dolby Virtual Speaker is also available to create an enveloping sound field when fewer than six speakers are used. The latest Dolby Headphone modes provide a much more open and realistic presentation for private headphones listening. In addition to providing a wide range of listening options, the AVR 340 is easy to configure so that it provides the best results with your speakers and specific listening-room environment. On-screen menus combine with the EzSet/EQ system to automate speaker configuration and overall setup, resulting in a perfectly balanced sound field presentation that accurately reproduces the artist's intent. In addition to the configuration settings,

EzSet/EQ also includes room equalization so that the signals sent to each speaker are tailored to provide accurate sonic quality with your specific combination of speaker type, room size and other factors that influence room acoustics. With EzSet/EQ, your system is custom-configured in a few minutes with accuracy that previously required expensive and hard-to-use test equipment. In tandem with EzSet/EQ, the AVR 340 includes a full set of manual configuration settings for those who wish to custom-trim their system even further. A Quadruple Crossover bass management system makes it possible to enter different crossover settings for each speaker group.

For the ultimate in flexibility, the AVR 340 features connections for five video devices, all with both composite and S-video inputs. Two additional audio inputs are available, and eight digital inputs make the AVR 340 capable of handling all the latest digital audio sources. For compatibility with the latest HDTV video sources and progressive scan DVD players, the AVR 340 also features assignable two-input, widebandwidth, low-crosstalk component video switching. The front panel offers coax and optical digital inputs for direct connection to digital recorders. Two video recording outputs, a preamp-out and a color-coded eight-channel input make the AVR 340 virtually futureproof, with everything needed to accommodate tomorrow's new formats right onboard. Until now, Harman Kardon AVRs have been able to accommodate almost any source device equipped with line-level analog, optical digital or coaxial digital outputs, including most digital media players. With one simple connection between the AVR 340 and the optional Harman Kardon Bridge, you are able to listen to materials stored on your compatible iPod®* (not included). Your AVR's system remote control has been preprogrammed with control codes that enable you to select tracks for playback and navigate many of your iPod's functions, even from across the room. The Bridge will even let you charge your iPod. The TM nologies to meet the wide dynamic range of any program selection.

Harman Kardon invented the high-fidelity receiver more than fifty years ago. With state-of-the-art circuitry and time-honored circuit designs, the AVR 340 is the perfect combination of the latest in digital audio technology, a quiet yet powerful analog amplifier in an elegant, easy-to-use package. s A wide range of digital and matrix surround modes, including Dolby® Digital, Dolby Digital EX, Dolby Pro Logic® IIx, Dolby Virtual Speaker, Dolby Headphone, DTS®, DTS-ES® Discrete and Matrix, DTS 96/24® and DTS Neo:6® s Seven channels of high-current amplification s Harman Kardon's exclusive Logic 7® processing, available /EQ both 7.1 and 5.1 processing in with a variety of modes, and two modes of VMAx® s /EQ system with included microphone automatically configures speakers, + sets delay times and output levels, and performs room equalization for optimal sound presentation s Programmable remote for control of AVR and seven additional source components s High-bandwidth, HDTV-compatible component video switching with assignable inputs and cross-conversion from composite and S-video s Discrete front-panel coaxial and optical digital inputs for easy connection to portable digital devices and video game consoles s Connects to Harman Kardon's Bridge (optional) for charging, playback and control of a compatible iPod® device (not included) The TM The AVR 340's multizone options and a standard Zone II remote control make it possible to listen to a separate source in a room while the main home theater uses a different source.



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With assignable rear surround channel amplifiers, you may create a basic remote listening zone without any additional equipment. For one-wire multiroom connectivity, the AVR 340 is A-BUS/READY®, requiring only a single Category 5/5e cable and an optional remote module to power remote speakers while controlling volume and enabling full control over the program source and compatible IR-controlled devices. The unit's Multiroom outputs may also be used to feed an optional, external power amplifier and volume control. The AVR 340's powerful seven-channel amplifier uses traditional Harman Kardon high-current design tech- s Input titling for all input sources (except tuner) s Extensive bass management options, including four separate crossover groupings s On-screen menu and display system with choice of blue or black background screen, available with component video s A/V Sync delay adjustable for each input delivers perfect lip sync with digital programs or video displays s Extensive multiroom options, including a standard Zone II remote, assignable surround back amplifier channels and A-BUS/READY® capability for listening to a separate source in a remote zone *Compatible with all iPod models equipped with a dock connector, including third-generation Click Wheel models and newer. Not compatible with iPod shuffle™ models.

Although iPod video and photo models are compatible, video files and images stored on the iPod may not be viewed. **INTRODUCTION 3 SAFETY INFORMATION Important Safety Information Verify Line Voltage Before Use Your AVR 340 has been designed for use with 120-volt AC current. Connection to a line voltage other than that for which it is intended can create a safety and fire hazard and may damage the unit. If you have any questions about the voltage requirements for your specific model, or about the line voltage in your area, contact your selling dealer before plugging the unit into a wall outlet. Do Not Use Extension Cords To avoid safety hazards, use only the power cord attached to your unit. We do not recommend that extension cords be used with this product. As with all electrical devices, do not run power cords under rugs or carpets or place heavy objects on them. Damaged power cords should be replaced immediately by an authorized service center with a cord meeting factory specifications. Handle the AC Power Cord Gently When disconnecting the power cord from an AC outlet, always pull the plug; never pull the cord. If you do not intend to use the unit for any considerable length of time, disconnect the plug from the AC outlet.**

Do Not Open the Cabinet There are no user-serviceable components inside this product. Opening the cabinet may present a shock hazard, and any modification to the product will void your guarantee. If water or any metal object such as a paper clip, wire or a staple accidentally falls inside the unit, disconnect it from the AC power source immediately, and consult an authorized service center. **CATV or Antenna Grounding** If an outside antenna or cable system is connected to this product, be certain that it is grounded so as to provide some protection against voltage surges and static charges. Section 810 of the National Electrical Code, ANSI/NFPA No. 70-1984, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept interference received, including interference that may cause undesired operation. **NOTE:** Changes or modifications may cause this unit to fail to comply with Part 15 of the FCC Rules and may void the user's authority to operate the equipment. **Unpacking The carton and shipping materials used to protect your new receiver during shipment were specially designed to cushion it from shock and vibration. We suggest that you save the carton and packing materials for use in shipping if you move, or should the unit ever need repair.**

To minimize the size of the carton in storage, you may wish to flatten it. This is done by carefully slitting the tape seams on the bottom and collapsing the carton. Other cardboard inserts may be stored in the same manner. Packing materials that cannot be collapsed should be saved along with the carton in a plastic bag. If you do not wish to save the packaging materials, please note that the carton and other sections of the shipping protection are recyclable.

Please respect the environment and discard those materials at a local recycling center. It is important that you remove the protective plastic film from the front-panel lens. Leaving the film in place will affect the performance of your remote control. **4 SAFETY INFORMATION FRONT-PANEL CONTROLS ~ ^ i Û Û Û Ò AVR 340 DIGITAL PRO LOGIC 3 STEREO HEADPHONE DSP 5 7 CH. STEREO SURR.**

OFF LOGIC 7 VID 1 VID 2 VID 3 VID 4 DVD CD FMAM TAPE 6 8 CH Optical 4 Coaxial 4 Video 4 1 2 3 4 5 6 7 8 9 !# @) \$) % ^ & * (Ó Ô NOTE: To make it easier to follow the instructions that refer to this illustration, a larger copy may be downloaded from the Product Support section for this product at www.harmankardon.com. 1 Main Power Switch 2 Power Indicator 3 Standby/On Switch 4 Headphone Jack 5 Tone Mode 6 Speaker Selector 7 Surround Mode Group Selector 8 Surround Mode Selector 9 Tuning Selector) </> Buttons 1 Main Power Switch: Press this button to apply power to the AVR 340. When the switch is pressed in, the unit is in a Standby mode, as indicated by the amber Power Indicator 2. This button **MUST be pressed in to operate the unit. To turn the unit off and to prevent the use of the remote control, this switch should be pressed until it pops out from the front panel and the word "OFF" is seen at the top of the switch. **NOTE:** This switch is normally left in the "ON" position. 2 Power Indicator: This LED lights amber when the unit is in the Standby mode to signal that the AVR is ready to be turned on. When the unit is in operation, the indicator is blue.**

3 Standby/On Switch: When the Main Power Switch 1 is "ON," press this button to turn on the AVR 340; press it again to turn the unit off. The Power Indicator 2 turns blue when the unit is on. ! Tuner Band Selector @ Set Button # Digital Input Selector \$ Preset Station Selector % Delay Adjust Selector ^ Input Source Selector & Tuner Mode Selector * Optical 4 Digital Audio Input (Coaxial 4 Digital Audio Input Ó Video 4 Video Input Jacks 4 Headphone Jack: This jack may be used to listen to the AVR 340's output through a pair of headphones. The speakers will automatically be turned off when the headphone jack is in use. When configuring your system using EzSet/EQ, the calibration microphone should be plugged into this jack using the supplied adaptor that converts the small mini-plug at the end of the microphone's cord to a 1/4" plug.



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5 Tone Mode: This button controls the tone mode settings, enabling adjustment of the bass and treble boost/cut. You may also use it to take the tone controls out of the signal path completely for "flat" response. The first press of the button displays a TONE IN message in the Lower Display Line i and in the on-screen display. To take the controls > out of the signal path, press either of the </> Buttons) until the display reads TONE OUT. To change the bass or treble settings, make sure that TONE IN appears in the Lower Display Line i > or press either of the </> Buttons) until it does.

Ô Video 4 Audio Input Jacks Channel Adjust Selector Ò Volume Control Ú Input Indicators Û Speaker/Channel Input Indicators Ü Upper Display Line i Lower Display Line ^ Surround Mode Indicators ~ Remote Sensor Window Press the Tone Mode Button 5 until the desired option of TREBLE MODE or BASS MODE appears in the Lower Display Line i and in the > on-screen display and then press either of the </> Buttons) to enter the desired boost or cut setting. Both treble and bass contours may be boosted or cut by up to + or 10dB in increments of 2dB. See pages 23 and 34 for more information on the tone controls. NOTE: The AVR 340 is not equipped with a traditional Balance control. When listening to two-channel materials, if you wish to adjust the stereo image, you may use the Channel Adjust Selector to increase or decrease the level of the left front channel by up to + or 10dB, and then to decrease or increase the right front channel by the corresponding amount.

However, when listening to surround materials and most twochannel materials, it is recommended that you leave these settings at the results obtained during the configuration process described on pages 19 through 33. FRONT-PANEL CONTROLS 5 FRONT-PANEL CONTROLS 6 Speaker Selector: Press this button to begin the process of configuring the unit to match the type of speakers used in your listening room. (See pages 2830 for more information on speaker setup and configuration.) 7 Surround Mode Group Selector: Press this button to select the top-level group of surround modes. Each press of the button will select the current or last used mode in each of the surround mode groups (e.

g., Dolby, DTS, DTS Neo:6, Logic 7, DSP, Stereo). When the button is pressed so that the name of the surround mode group appears in the on-screen display and in the Lower Display Line i, press the Surround Mode Selector 8 to cycle through the individual modes available. For example, press this button to select Dolby modes, and then press the Surround Mode Selector 8 to choose from the various Dolby mode options. 8 Surround Mode Selector: Press this button to select from among the available surround mode options for the mode group selected. The specific modes will vary based on the number of speakers available, the mode group and if the input source is digital or analog. For example, press the Surround Mode Group Selector 7 to select a main mode grouping such as Dolby or Logic 7, and then press this button to see the specific mode choices available. Note that the digital surround modes, such as Dolby Digital and DTS, may not be accessed unless that type of source signal is present, such as when a DVD movie or television signal programmed in Dolby Digital or DTS surround sound is playing. For more information on surround mode selection, see pages 25 and 3541. 9 Tuning Selector: Press the left side of the button to tune lower-frequency stations and the right side of the button to tune higher-frequency stations.

When the tuner is in the Manual mode, each tap will increase or decrease the frequency by one increment. When the tuner receives a strong enough signal for adequate reception, MANUAL TUNED will appear in the on-screen display and the Lower Display Line i. When the tuner is the Auto mode, press the button once, and the tuner will scan for a station with acceptable signal strength. When the next station with a strong signal is tuned the scan will stop and the on-screen display and Lower Display Line i will indicate AUTO TUNED. When an FM Stereo station is tuned, the display will read AUTO ST TUNED. To switch back and forth between the Auto and Manual tuning modes, press the Tuner Mode Selector & .) </> Buttons: When configuring the AVR 340's settings, use these buttons to select from all of the available choices. ! Tuner Band Selector: Press this button to turn the AVR on and to select the Tuner as the input. Press it again to switch between the AM and FM frequency bands. (See page 41 for more information on the tuner.

) @ Set Button: When making choices during the setup and configuration process, press this button to enter the desired setting into the AVR 340's memory. # Digital Input Selector: Press this button to select one of the digital audio inputs or the analog audio input for any source. (See pages 3841 for more information on digital audio.) \$ Preset Stations Selector: Press this button to scroll up or down through the list of stations that have been entered into the preset memory. (See page 41 for more information on tuner presets.

) % Delay Adjust Selector: Press this button to begin the steps required to enter delay settings. (See pages 3031 for more information on delay times.) ^ Input Source Selector: Press this button to change the input by scrolling up or down through the list of Input Indicators Ú. & Tuner Mode Selector: Press this button to select Auto or Manual tuning. When the button is pressed so that the AUTO appears in the Lower Display Line i, the tuner will search for the next station with an acceptable signal when the Tuning Selector 9u ° is pressed.

When the button is pressed so that MANUAL appears in the Lower Display Line i, each press of the Tuning Selector 9u ° will increase the frequency. This button may also be used to switch between Stereo and Mono modes for FM radio reception. When weak reception is encountered, press the button so that MANUAL appears in the Lower Display Line i and on the on-screen display to switch to Mono reception. Press it again to switch back to Stereo mode. (See page 41 for more information on using the tuner.) * Optical 4 Digital Audio Input: Connect the optical digital audio output of an audio or video product to this jack. When the input is not in use, the built-in shutter will close to avoid dust contamination that might degrade future performance. (Coaxial 4 Digital Audio Input: This jack is used for connection to the output of portable audio devices, video game consoles or other products that have a coax digital audio jack. Ó Video 4 Video Input Jacks: These jacks may be used for temporary connection to the composite or S-video output of video games, camcorders or other portable video products. You may make a connection to either jack at any time, but not to both simultaneously.

Ô Video 4 Audio Input Jacks: These audio jacks may be used for temporary connection to video games or portable audio/video products such as camcorders and portable audio players.



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NOTE: The AVR 340 is shipped with two covers that may be installed over the front-panel input jacks when they are not in use. Channel Adjust Selector: Press this button to begin the process of trimming the channel output levels using an external audio source. (For more information on output level trim adjustment, see page 31.) *Volume Control: Turn this knob clockwise to increase the volume, counterclockwise to decrease the volume. If the AVR 340 is muted, adjusting the Volume Control will automatically release the unit from the silenced condition.* *Input Indicators: The current selected source will appear as one of these indicators. When the unit is turned on, the entire list of available modes will light briefly, and then revert to normal operation with only the active mode indicator illuminated. NOTE: When Bridge /DMP has been selected as the input source, no Input Indicator N will light. DMP/THE BRIDGE IS CONNECTED will scroll across the Upper Display Line P, unless you have retitled the source name, in which case that name will appear.*

See page 22 for more information on input titling. The Speaker/Channel Input Indicators: These indicators are multipurpose, indicating both the speaker type selected for each channel and the incoming datasignal configuration. The left, center, right, side surround and back surround speaker indicators are composed of three boxes, while the subwoofer is a single box. The center box lights when a "small" speaker is selected, and the two outer boxes light when "large" speakers are selected. When none of the boxes are lit for the center, surround or subwoofer channels, no speaker has been assigned that position. (See pages 2829 for more information on configuring speakers.) NOTE: When you have reassigned the surround back speakers to the remote zone using the MULTI ROOM SETUP menu, the boxes that indicate the presence of the surround back speakers will automatically disappear, reflecting the fact that the main listening area is now configured for 5.1-channel operation.

6 FRONT-PANEL CONTROLS FRONT-PANEL CONTROLS (See page 46 for more information on reassigning the surround back speakers for multiroom use.) The letters inside each box display the active input channels. For standard analog sources, only the L and R will light, indicating a stereo input. For a digital source, the indicators will light to display the channels being received at the digital input. When the letters flash, the digital input has been interrupted. (See page 39 for more information on the Channel Indicators.)

Upper Display Line: Depending on the unit's status, a variety of messages will appear here. In normal operation, this line will show current input source and which analog or digital input is in use. When the tuner is the input, this line will identify the station as AM or FM and show the frequency and preset number, if any. Lower Display Line: Depending on the unit's status, a variety of messages will appear here. In normal operation, the current surround mode will show here. Surround Mode Indicators: The current selected surround mode will appear as one of these indicators.

Note that when the unit is turned on, the entire list of available modes will light briefly, and then revert to normal operation with only the active mode indicator illuminated. NOTE: When the Dolby Virtual Speaker mode is in use, no Surround Mode Indicator R will light. However, the surround mode name will scroll in the Lower Display Line Q. Remote Sensor Window: The sensor behind this window receives infrared signals from the remote control. Aim the remote at this area and do not block or cover it. FRONT-PANEL CONTROLS 7 REAR-PANEL CONNECTIONS g h f e d c b a Z YW X V U S T R Q O P M N L

K J I The Bridge 1 2 3 4 5 6 7 8 9 A B C DE FGH I NOTE: To make it easier to follow the instructions that refer to this illustration, a larger copy may be downloaded from the Product Support section for this product at www.harmankardon.com. j FM Antenna Jack TM Multiroom Audio Outputs £ CD Audio Inputs ¢ A-BUS® Connector Multiroom IR Input § Remote IR Carrier Output ¶ Preamp Outputs · Subwoofer Output ª Remote IR Input , Remote IR Output / Front Speaker Outputs º Surround Back/Multiroom Speaker Outputs < Surround Speaker Outputs > Center Speaker Outputs fi Optical Digital Audio Inputs fl Component Video Monitor Outputs Component Video 1 Inputs ° Component Video 2 Inputs · Fan Vents a AC Power Cord b Switched AC Accessory Outlet c Unswitched AC Accessory Outlet d Optical Digital Audio Output e Coaxial Digital Audio Output f Coaxial Digital Audio Inputs g S-Video Monitor Output h DVD S-Video Input i Video 1 S-Video Input j Bridge DMP Connector k Video 1 S-Video Output The TM U Video 2 S-Video Input V Video 2 S-Video Output W Video 3 S-Video Input X 6/8-Channel Direct Inputs Y Video Monitor Output Z DVD Audio/Video Inputs a Video 1 Audio/Video Inputs b Video 1 Audio/Video Outputs c Video 2 Audio/Video Inputs d Video 2 Audio/Video Outputs e Video 3 Audio/Video Inputs f Tape Inputs g Tape Outputs h AM Antenna Terminals NOTE: To assist in making the correct connections for multichannel input, output and speaker connections, all connection jacks and terminals are colorcoded in conformance with the CEA standards as follows: Front Left: White Red Front Right: j FM Antenna Jack: Connect the supplied indoor (or an optional external) FM antenna to this terminal. TM Multiroom Audio Outputs: Connect these jacks to the optional external audio power amplifier that is used for multizone distribution.

Center: Surround Left: Surround Right: Surround Back Left: Surround Back Right: Subwoofer: Coaxial Digital Audio: Green Blue Gray Brown Tan Purple Orange Composite Video: Component Video "Y": Component Video "Pr": Component Video "Pb": Yellow Green Red Blue £ CD Audio Inputs: Connect these jacks to the analog audio outputs of a compact disc player or CD changer. ¢ A-BUS® Connector: Connect this jack to an optional A-BUS remote room product to extend the multiroom capabilities of your AVR 340. See page 17 for more information on A-BUS. Multiroom IR Input: Connect the output of an IR sensor in a remote room to this jack to control the AVR 340's multiroom system and source devices from 8 REAR-PANEL CONNECTIONS REAR-PANEL CONNECTIONS the remote room. See page 46 for more information on multiroom operation.

§ Remote IR Carrier Output: The output of this jack is the full signal received at the Remote Sensor Window S, or input through the Remote IR Input ª, including the carrier frequency that is stripped from these signals at the Remote IR Output ,. Use this output to extend IR remote signals to the inputs of compatible products that require the full IR signal by direct connection to the product's remote IR input, or through the use of optional, external IR "blasters"



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If you are in doubt as to which of the two IR Output jacks to use, we recommend that you consult with your dealer or installer, or check with the manufacturer of the external equipment you wish to control. ¶ Preamp Outputs: Connect these jacks to an optional, external power amplifier for applications where higher power is desired. · Subwoofer Output: Connect this jack to the linelevel input of a powered subwoofer.

If an external subwoofer amplifier is used, connect this jack to the subwoofer amplifier input. ° Remote IR Input: If the AVR 340's front-panel IR sensor is blocked due to cabinet doors or other obstructions, an external IR sensor may be used. Connect the output of the sensor to this jack. , Remote IR Output: This connection permits the IR sensor in the receiver to serve other remote controlled devices. Connect this jack to the "IR IN" jack on Harman Kardon (or other compatible) equipment. / Front Speaker Outputs: Connect these outputs to the matching + or - terminals on your left and right speakers. When making speaker connections always make certain to maintain correct polarity by connecting the color-coded (white for front left and red for front right) (+) terminals on the AVR 340 to the red (+) terminals on the speakers and the black (-) terminals on the AVR 340 to the black (-) terminals on the speakers. See page 16 for more information on speaker polarity. ✕ Surround Back/Multiroom Speaker Outputs: These speaker terminals are normally used to power the surround back speakers in a 7.1-channel system.

However, they may also be used to power the speakers in a second zone, which will receive the output selected for a multiroom system. To change the output fed to these terminals from the default of the Surround Back speakers to the Multiroom Output, you must change a setting in the MULTI ROOM SETUP menu of the OSD system. See page 46 for more information on configuring this speaker output. In normal surround system use, the brown and black terminals are the surround back left channel positive (+) and negative (-) connections and the tan and black terminals are the surround back right positive (+) and negative (-) terminals. For multiroom use, connect the brown and black SBL terminals to the red and black connections on the left remote zone speaker and connect the tan and black SBR terminals to the red and black terminals on the right remote zone speaker. < Surround Speaker Outputs: Connect these outputs to the matching + and - terminals on your surround channel speakers. In conformance with the CEA color-code specification, the blue terminal is the positive, or "+," terminal that should be connected to the red (+) terminal on the Surround Left speaker, while the gray terminal should be connected to the red (+) terminal on the Surround Right speaker. Connect the black (-) terminal on the AVR to the matching black negative (-) terminals for each surround speaker. (See page 16 for more information on speaker polarity.) > Center Speaker Outputs: Connect these outputs to the matching + and - terminals on your center channel speaker.

In conformance with the CEA color-code specification, the green terminal is the positive, or "+," terminal that should be connected to the red (+) terminal on speakers with the older colorcoding. Connect the black (-) terminal on the AVR to the black (-) terminal on your speaker. (See page 16 for more information on speaker polarity.) fi Optical Digital Audio Inputs: Connect the optical digital output from a DVD player, HDTV receiver, LD player or CD player to these jacks. The signal may be a Dolby Digital signal, a DTS signal or a standard PCM digital source.

fl Component Video Monitor Outputs: Connect these outputs to the component video inputs of a video projector or monitor. When a source connected to one of the Component Video Inputs ° is selected, the signal will be sent to these jacks. Component Video 1 Inputs: Connect the Y/Pr/Pb component video outputs of a DVD player, HDTV set-top converter, satellite receiver or other video source device with component video outputs to these jacks. ° Component Video 2

Inputs: Connect the Y/Pr/Pb component video outputs of a DVD player, HDTV set-top converter, satellite receiver or other video source device with component video outputs to these jacks. See page 22 for information on assigning the Component Video 1 and 2 Inputs ° to the appropriate source inputs.

· Fan Vents: These ventilation holes are the output of the AVR 340's airflow system. To ensure proper operation of the unit and to avoid possible damage to delicate surfaces behind the AVR, make certain that these holes are not blocked and that there is at least 3 inches of open space between the vent holes and any other surface. It is normal for the fan to remain off at most normal volume levels. An automatic temperature sensor turns the fan on only when it is needed. a AC Power Cord: Connect the AC power cord to a non-switched AC wall outlet. b Switched AC Accessory Outlet: These outlets may be used to power any device you wish to have turned on when the AVR 340 is turned on. c Unswitched AC Accessory Outlet: This outlet may be used to power any AC device. The power will remain on at this outlet regardless of whether the AVR 340 is on or off. NOTE: The total power consumption of all devices connected to the accessory outlets should not exceed 100 watts. d Optical Digital Audio Output: Connect this jack to the optical digital input connector on a CD-R/RW, MiniDisc or other digital recorder.

e Coaxial Digital Audio Output: Connect this jack to the coaxial digital input of a CD-R/RW, MiniDisc or other digital recorder. f Coaxial Digital Audio Inputs: Connect the coax digital output from a DVD player, HDTV receiver, LD player or CD player to these jacks. The signal may be a Dolby Digital signal, DTS signal or a standard PCM digital source. Do not connect the RF digital output of an LD player to these jacks. g S-Video Monitor Output: If any of the input sources used in your system have S-video connections to the AVR, connect this jack to the S-video input on your television, projector or other video display. NOTE: Thanks to the AVR 340's cross-conversion capability, if your video display device is equipped with component (Y/Pb/Pr) video inputs, you need only to connect the Component Video Monitor Outputs fl to your display device, and the AVR 340 will automatically convert all composite and S-video source signals to the component video format for display. You will also be able to view the AVR 340's on-screen displays using just the component video connection, unless the source device is a high-definition (720p, 1080i or 1080p) video device, in which case you would then need to either switch to a 480p source or connect the Video Monitor Output Y or the S-Video Monitor Output P to your video display in order to view the on-screen displays. h DVD S-Video Input: Connect the S-video output of a DVD player or other video source to this jack.



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REAR-PANEL CONNECTIONS 9 REAR-PANEL CONNECTIONS i Video 1 S-Video Input: If the product connected to the Video 1 Audio Inputs a has S-video capability, connect this jack to the PLAY/OUT S-video jack on that unit and then make certain that the S-Video Monitor Output g is connected as described above. j Bridge Digital Media Player (DMP) Connector: With the AVR 340 turned off, connect the optional Harman Kardon Bridge to this connector.

When the Digital Media Player source is selected, you may view iPod control and navigation messages on your video display (if one is connected to one of the Video Monitor Outputs gY), and in the Upper and Lower Display Lines PQ. You may navigate the iPod and select tracks for playback using the \leftarrow/\rightarrow Buttons no, the Set Button p and Transport Controls \leftarrow/\rightarrow on your AVR remote. See page 42 for more information. The TM The TM NOTE: Thanks to the AVR 340's cross-conversion capability, if your video display device is equipped with component (Y/Pb/Pr) video inputs, you need only to connect the Component Video Monitor Outputs fl to your display device, and the AVR 340 will convert all composite and S-video source signals to component video. You will also be able to view the AVR 340's onscreen displays using the component video connection, unless the source device is high-definition (720p or 1080i) video, in which case you should either switch to a 480p source or connect the Video or the S-Video Monitor Output PY to your video display to view the on-screen displays.

Z DVD Audio/Video Inputs: Connect the composite video and L/R analog audio outputs of a DVD player or other video source to these jacks. a Video 1

Audio/Video Inputs: Connect the composite video and L/R analog audio PLAY/OUT jacks of a VCR or other video source to these jacks. b Video 1 Audio/Video Outputs: Connect the composite video and L/R analog audio REC/IN jacks of a VCR or other video recording device such as a DVD recorder or PVR to these jacks. c Video 2 Audio/Video Inputs: Connect the composite video and L/R analog audio PLAY/OUT jacks of a cable television box or other video source to these jacks. d Video 2 Audio/Video Outputs: Connect the composite video and L/R analog audio REC/IN jacks of a VCR or other video recording device such as a DVD recorder or PVR to these jacks.

e Video 3 Audio/Video Inputs: Connect the composite video and L/R analog audio PLAY/OUT jacks of an HDTV tuner or other video source to these jacks. f Tape Inputs: Connect these jacks to the PLAY/OUT jacks of an audio recorder. g Tape Outputs: Connect these jacks to the RECORD/INPUT jacks of an audio recorder. h AM Antenna Terminals: Connect the AM loop antenna supplied with the receiver to these terminals. If an external AM antenna is used, make connections to the AM and GND terminals in accordance with the instructions supplied with the antenna. NOTE ON VIDEO CONNECTIONS: When connecting a video source product such as a VCR, DVD player, satellite receiver, cable set-top box, personal video recorder or video game to the AVR 340, you may use either a composite or S-video connection, but not both, for each source device. The AVR 340 features cross-conversion capability, enabling you to benefit from higher-quality viewing of your video sources, even those that use composite or S-video switching, when connected to your video display with component video inputs. k Video 1 S-Video Output: If the product connected to the Video 1 Audio Outputs Y has S-video capability, connect this jack to the REC/IN S-video jack on that unit. U Video 2 S-Video Input: If the product connected to the Video 2 Audio Inputs c has S-video capability, connect this jack to the PLAY/OUT S-video jack on that unit and then make certain that the S-Video Monitor Output g is connected as described above. V Video 2 S-Video Output: If the product connected to the Video 2 Audio Outputs d has S-video capability, connect this jack to the REC/IN S-video jack on that unit.

W Video 3 S-Video Input: If the product connected to the Video 3 Audio Inputs e has S-video capability, connect this jack to the PLAY/OUT S-video jack on that unit and then make certain that the S-Video Monitor Output g is connected as described above. X 6/8-Channel Direct Inputs: These jacks are used for connection to source devices such as DVD-Audio or SACD/DM players with discrete analog outputs. Depending on the source device in use, all eight jacks may be used, though in many cases only connections to the front left/right, center, surround left/right and LFE (subwoofer input) jacks will be used for standard 5.1 audio signals. Y Video Monitor Output: Connect this jack to the composite video input of a TV monitor or video projector to view the on-screen menus and the output of a standard video source. 10 REAR-PANEL CONNECTIONS MAIN REMOTE CONTROL FUNCTIONS a Power Off Button b IR Transmitter Window c Program Indicator d Power On Button e Input Selectors f AVR Selector g AM/FM Tuner Select h Dim Button i Test Button j Sleep Button k DSP Surround Mode Selector l Night Mode m Channel Select Button n \leftarrow/\rightarrow Buttons o \leftarrow/\rightarrow Buttons p Set Button q Digital Select r Numeric Keys s Tuner Mode t Direct Button u Tuning Up/Down v OSD Button w Dolby Mode Selector x DTS Digital Mode Selector y Logic 7 Mode Select Button z Skip Up/Down Buttons \leftarrow/\rightarrow Transport Controls R Stereo Mode Select Button S DTS Neo:6 Mode Select T Macro Buttons U Disc Skip Button V Preset Up/Down W Clear Button X Memory Button Y Delay/Prev. Ch. Z Speaker Select a Multiroom Button b Volume Up/Down c TV/Video Selector d DMP Bridge Selector e 6-Channel/8-Channel Direct Input f Mute The TM c ba POWER d e f g h i j k l m n o q r p ON OFF MUTE 42 AVR VCR VID1 DVD CBL/SAT VID2 CD TV VID3 6/8 CH TAPE VID4 The Bridge DIM AM/FM DMP 40 41 39 SLEEP CH. SURR. TEST NIGHT TV M-ROOM VOL.

38 37 36 o 35 GU I DE M E CH . SP K R NU SET T PR 1 5 2 6 9 DIRECT 3 7 0 CLEAR 4 8 MEM s t u v V. E CH TA L L DE AY . TUN-M TUNING OSD D.SKIP I DIG EX I 34 33 32 31 30 29 PRESET M1 M2 M3 M4 DTS NEO:6 w y DOLBY SUR DTS SURR x z DWN LOGIC 7 STEREO 28 SKIP UP NOTES: . The function names shown here are each button's feature when used with the AVR 340.

Most buttons have additional functions when used with other devices. See pages 5152 for a list of these functions. To make it easier to follow the instructions that refer to this illustration, a larger copy may be downloaded from the Product Support section for this product at www.harman-kardon.com.

® 340 MAIN REMOTE CONTROL FUNCTIONS 11 MAIN REMOTE CONTROL FUNCTIONS IMPORTANT NOTE: The AVR 340's remote may be programmed to control up to eight devices, including the AVR 340. Before using the remote, it is important to remember to press the Input Selector Button e that corresponds to the unit you wish to operate.



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The AVR 340's remote is shipped from the factory to operate the AVR 340 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 page 48 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 340. (See pages 49-52 for information about alternate functions for the remote's buttons.) a Power Off Button: Press this button to place the AVR 340 or a selected device in the Standby mode. b IR Transmitter Window: Point this window towards the AVR 340 when pressing buttons on the remote to make certain that infrared commands are properly received.

c Program Indicator: This three-color indicator is used to guide you through the process of programming the remote. (See page 48 for information on programming the remote.) d Power On Button: Press this button to turn on the power to a device selected by pressing one of the Input Selectors e. e Input Selectors: Pressing one of these buttons will perform three actions at the same time. First, if the AVR 340 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 340. 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 f again to operate the AVR 340's functions with the remote. f AVR Selector: Pressing this button will switch the remote so that it will operate the AVR 340's functions. If the AVR 340 is in the Standby mode, it will also turn the AVR 340 on. g AM/FM Tuner Select: Press this button to select the AVR 340's tuner as the listening choice. Pressing this button when the tuner is already in use will select between the AM and FM bands. See page 34 for more information on the Sleep Function. This button is also used to change channels on your TV when the TV is selected. k DSP Surround Mode Selector: Press this button to cycle through the DSP, VMaX and Stereo surround modes such as Hall, Theater, VMaX Near and Far, and Surround Off.

This button is also used to tune channels when the TV is selected using the device Input Selector e. l Night Mode: Press this button to activate the Night mode. This mode is available in specially encoded digital sources, and it preserves dialogue (center channel) intelligibility at low volume levels. m Channel Select Button: This button is used to start the process of setting the AVR 340's output levels to an external source. Once this button is pressed, use the /■ Buttons n to select the channel being adjusted, then press the Set Button p, followed by the /■ Buttons n again, to change the level setting.

(See pages 31 and 42 for more information.) However, Harman Kardon recommends that you first perform the EzSet/EQ procedure, as described on pages 25 to 27. h Dim Button: Press this button to activate the Dimmer function, which reduces the brightness of the front panel display, or turns it off entirely. The first press of the button shows the default state, which is full brightness by indicating VFD FULL in the Lower Display Line i. Press the button again within five seconds to reduce the brightness by 50%, as indicated by VFD HALF showing in the Lower Display Line i. Press the button again within five seconds and the main display will go completely dark. Note that this setting is temporary, in that regardless of any changes, the display will always return to full brightness when the AVR is turned on. In addition, the Power Indicator 2 will always remain at full brightness regardless of the setting. This is to remind you that the AVR is still turned on. i Test Button: Press this button to begin the sequence used to calibrate the AVR 340's output levels.

(See pages 25, 31 and 42 for more information on calibrating the AVR 340.) j Sleep Button: Press this button to place the unit in the Sleep mode. After the time shown in the display, the AVR 340 will automatically go into the Standby mode. Each press of the button changes the time until turn-off in the following order: n /■ Buttons: These multipurpose buttons are used to change or scroll through items in the onscreen 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 DSP Surround Mode Selector k to select a sound field mode or the Digital Select Button q to change a digital input) and then press one of these buttons to scroll through the list of options or to increase or decrease a setting. The sections in this manual describing the individual features and functions contain specific information on using these buttons for each application. o </> Buttons: These buttons are used to change the menu selection or setting during some of the setup procedures for the AVR 340. p Set Button: This button is used to enter settings into the AVR 340's memory.

It is also used in the setup procedures for delay time, speaker configuration and channel output level adjustment. q Digital Select: Press this button to assign one of the digital inputs *(fif) to a source. (See pages 22 and 38 for more information on selecting digital inputs.) r Numeric Keys: These buttons serve as a 10-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.

I 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 MANUAL appears in the Lower Display Line i, pressing the Tuning Buttons 9u 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 41 for more information.) J 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 r to select a station. (See page 41 for more information on the tuner.) 12 MAIN REMOTE CONTROL FUNCTIONS MAIN REMOTE CONTROL FUNCTIONS u 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 sɪmp; has been pressed so that AUTO appears in the onscreen display and Lower Display Line i, 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.



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When MANUAL appears in the Lower Display Line i, pressing these buttons will tune stations in single-step increments. (See page 41 for more information.) v OSD Button: Press this button to activate the On-Screen Display (OSD) system used to set up or adjust the AVR 340's parameters. w 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 or IIx, or Dolby Virtual Speaker modes or Dolby 3 Stereo. When a Dolby Digital-encoded source is in use, the Dolby Digital mode may also be selected.

When the headphones are in use, this button selects from among the Dolby Headphone modes. (See pages 3637 and 40 for the available Dolby surround mode options.) x 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 depending on whether the source material contains DTS-ES 6.1 Discrete encoding. When a DTS source is not in use, this button has no function. (See pages 36 and 40 for the available DTS digital options.) y Logic 7 Mode Select Button: Press this button to select from among the available Logic 7 surround modes. (See pages 36 and 40 for available Logic 7 options.) z Skip Up/Down Buttons: These buttons do not have a direct function with the AVR 340, but when used with a compatibly programmed CD or DVD player they will change to the next or previous track.

Transport Controls: These buttons do not have any functions for the AVR 340, 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. When the DMP Bridge source is in use, these buttons may be used to operate some functions on a compatible iPod if it is docked in The Bridge. See page 42 for more information on using Bridge. The TM When the remote is used to control the AVR, or the VID2 or VID3 device, by default these buttons are programmed to operate the DVD player. However, you may use the Transport Control Punch-Through feature described on page 50 to program these buttons to operate another device's transport controls when the AVR, VID2 or VID3 has been selected.

R Stereo Mode Select Button: When the button is pressed so that SURROUND OFF appears in the Lower Display Line i, with only the Surr Off Surround Mode Indicator ^ lit, the AVR will operate in a bypass mode with true, fully analog, two-channel left/right stereo mode with no surround processing or bass management, unlike other modes where digital processing is used. When the button is pressed so that SURROUND OFF appears in the Lower Display Line i, with both the DSP and Surr Off Surround Mode Indicators ^ lit, you may enjoy a two-channel presentation of the sound along with the benefits of bass management. Depending on whether your system is configured for 5.1 or 6.1/7.

I channels, the next press of the button will cause either 5 CH STEREO or 7 CH STEREO to appear, and the stereo signal will be routed to all five (or seven) speaker channels. (See pages 37 and 40 for more information on stereo playback modes.) S DTS Neo:6 Mode Select: Press this button to select a DTS Neo:6 mode. These modes take a twochannel stereo- or matrix surround-encoded source and create a full five-, six- or seven-channel sound field. (See pages 36 and 40 for the DTS Neo:6 options.) T Macro Buttons: Press these buttons to store or recall a "Macro", which is a preprogrammed sequence of commands stored in the remote. (See page 48 for more information on storing and recalling macros.) U Disc Skip Button: This button has no direct function for the AVR 340 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 49 for more information on using the remote with products other than the AVR 340.) V Preset Up/Down: When the tuner is in use, press these buttons to scroll through the stations programmed into the AVR 340's memory.

When some source devices, such as CD players, VCRs and cassette decks, are selected using the device Input Selectors e, these buttons may function as Chapter Step or Track Advance. W Clear Button: Press this button to clear incorrect entries when using the remote to directly enter a radio station's frequency. X Memory Button: Press this button to enter a radio station into the AVR 340's preset memory. First, tune the desired station, and then press this button. Two underline indicators will flash at the right side of the Upper Display Line P, and within five seconds press the Numeric Keys r for the preset number between 01 and 30 that you wish to assign to the station. (See page 41 for more information.) Y Delay/Prev Ch.: Press this button to begin the process for setting the delay times used by the AVR 340 when processing surround sound. After pressing this button, the delay times are entered by pressing the Set Button p and then using the // Buttons n to select A/V SYNC DELAY or the delay setting for any available channel. Press the Set Button p, and then use the // Buttons n to change the setting.

Press the Set Button p again to complete the process. (See page 30 for more information.) However, we recommend that you first perform the EzSet/EQ procedure, as described on pages 2527. Z Speaker Select: Press this button to begin the process of configuring the AVR 340's bass management system for use with the type of speakers used in your system. Once the button has been pressed, use the // Buttons n to select the channel you wish to set up. Press the Set Button p and then use the // Buttons n to select the appropriate speaker size. Press the Set Button p to enter the new setting, and then use the // Buttons n again to select another channel to configure. When all adjustments have been completed, press the Set Button p twice to exit the settings and return to normal operation. (See page 28 for more information.) However, Harman Kardon recommends that you first perform the EzSet/EQ procedure, as described on pages 2527.

a Multiroom Button: Press this button to begin the process of activating the Multiroom system, or changing the source input or volume level for the remote zone. Press the // Buttons n to scroll to the on/off, source input or volume level setting, and then press the Set Button p to access the desired setting. Use the // Buttons n to scroll through the options, and the Set Button p to select. (See page 46 for information on the Multiroom system.) b Volume Up/Down: Press these buttons to raise or lower the system volume. By default, the Volume Up/Down Buttons b are programmed at the factory to control the AVR 340's volume, no matter which source device has been selected (except TAPE). You may reprogram these buttons to control the volume of another device, such as your TV, using the Volume Control Punch-Through instructions found on page 50.



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c TV/Video Selector: This button does not have a direct function on the AVR 340, but when used with a The TM MAIN REMOTE CONTROL FUNCTIONS 13 MAIN REMOTE CONTROL FUNCTIONS compatible VCR, DVD or satellite receiver, pressing this button will switch between the output of the device and the external video input. Consult the owner's manual for your specific player or receiver for the details of how it implements this function. d Bridge Digital Media Player (DMP) Selector: When Harman Kardon's Bridge (optional) is connected to Bridge Digital Media Player (DMP) Connector j and a compatible iPod is docked in Bridge, pressing this selector will select the iPod as the audio source input device for the AVR 340.

In addition, if a video display is connected to one of the Video Monitor Outputs gY, the iPod's messages will appear on screen, and in the Upper and Lower Display Lines PQ. The /&/</> Buttons no, the Set Button p and the Transport Controls ` may be used to navigate the iPod and to operate many functions. See page 42, and the manuals for The Bridge and your iPod for more information. The TM The TM The TM The TM e 6-Channel/8-Channel Direct Input: Press this button to select the device connected to the 6/8-Channel Direct Inputs X. (See page 34 for more information.) When the device connected to the 6/8-Channel Direct Input X is also a video source, such as a DVD or DVD-Audio player with an onboard audio decoder, you must first select that video source by pressing its Input Selector e, then press this button to choose the device connected to the 6/8Channel Direct Input X as the audio source. Note that if you desire, you may select any video source to be used in conjunction with the 6/8-Channel Direct Input X as the audio source. f Mute: Press this button to momentarily silence the AVR 340 or TV set being controlled, depending on which device has been selected. When the AVR 340 remote is being programmed to operate another device, this button is pressed with the Input Selector Button e to begin the programming process. (See page 48 for more information on programming the remote.

) 14 MAIN REMOTE CONTROL FUNCTIONS ZONE II REMOTE CONTROL FUNCTIONS â POWER A OFF AVR VID 1 MUTE L VID 2 B AM/FM VID 3 VID 4 â Power Off Button: When used in the room where the AVR 340 is located, press this button to place the unit in Standby. When it is used in a remote room with a sensor that is connected to the Multiroom IR Input Jack, this button turns the Multiroom system on and off. AVR Selector: Press this button to turn on the AVR 340 and to access the volume and mute controls. The input in use when the unit was last on will be selected. © Volume Up/Down Buttons: When the Zone II ç remote is used in the room where the AVR 340 is located, press this button to raise or lower the volume in that room.

When it is used in a remote room with a sensor that is connected to the Multiroom IR Input Jack, this button will raise or lower the volume in the remote room. Pause Button: Press this button to activate the Pause function on compatible Harman Kardon CD, © DVD or cassette deck products, or on your iPod when DMP Bridge has been selected. The TM C DVD CD TAPE D DMP/The Bridge E PRESET TUNING K J DISC SKIP PLAY DISC SKIP I F ç AM/FM Tuner Selector: Press this button to select the Tuner as the input to the Multiroom system. Press it again to change between the AM and FM bands. Pressing this button will also turn on the AVR 340's multiroom system if it is off, even when the AVR is in Standby mode.

Input Selectors: Press one of these buttons to select a specific input. Pressing this button will also turn on the AVR 340's multiroom system if it is off, even when the AVR is in Standby mode. I Stop Button: Press this button to activate the Stop function on compatible Harman Kardon CD, DVD or cassette deck products. It will have no effect on your iPod when DMP Bridge has been selected. The TM H G VOLUME Play Button: Press this button to activate the Play

function on compatible Harman Kardon CD, DVD or cassette players or on your iPod when DMP Bridge has been selected. The TM ® .2 â ç Preset Up/Down Track Skip Buttons: When the AVR 340's tuner is selected as the input source, these buttons will move up or down through the list of stations that have been stored in the preset memory. When a CD or DVD changer or player is selected, these buttons activate the Forward or Reverse Track or Chapter Skip functions. Disc Skip Buttons: Press these buttons to change discs on compatible Harman Kardon CD or DVD changers or players. When DMP Bridge has been selected, the left () button has the same effect as scrolling the iPod's Click Wheel counterclockwise, and the right (+) button has the same effect as scrolling the Click Wheel clockwise.

The TM ° Tuning Up/Down Fast Play Buttons: When the Zone II remote is used in the same room as the AVR 340, these buttons may be used to change the frequency of the tuner. These buttons may also control the Fast Play or Fast Reverse functions of compatible Harman Kardon CD, DVD or cassette decks in the same room, or from a remote room when an IR link is connected to the AVR 340. These buttons will select the previous or next track on your iPod when DMP Bridge has been selected. The TM â ç © © I ° ¬ Power Off Button AVR Selector AM/FM Tuner Selector Input Selectors Preset Up/Down Track Skip Buttons Disc Skip Buttons Volume Up/Down Buttons Pause Button Stop Button Play Button Tuning Up/Down Fast Play Buttons Mute Button ¬ Mute Button: When the Zone II remote is used in the room where the AVR 340 is located, press this button to temporarily silence the unit. When it is used in a remote room with a sensor that is connected to the Multiroom IR Input Jack, this button will temporarily silence the feed to the remote room only. Press the button again to return to the previous volume level. NOTES: · The Zone II remote may be used in either the same room where the AVR 340 is located or in a separate room with an optional infrared sensor or A-BUS product that is connected to the AVR 340's Multiroom IR Input Jack. When it is used in the same room as the AVR 340, it will control the functions of the AVR 340 or any compatible Harman Kardon products in that room. When it is used in a separate room via a sensor connected to the Multiroom IR Input Jack, the buttons for Power, Input Source, Volume and Mute will control the source and volume for the second zone, as connected to the Multiroom Audio Output Jacks TM. (See page 46 for complete information on using the Multiroom system.

) · To make it easier to follow the instructions that refer to the controls and connectors in this illustration, a larger copy may be downloaded from the Product Support section for this product at www.harman.com.



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