

harman/kardon®

AVR 645

7.1 channels
Dolby Pro Logic IIx
Logic 7[®], 5.1 and 7.1
DTS-ES[®] and Dolby Digital EX
HDMI™ switching
EzSet/EQ™
HDTV-ready component video
Quadruple Crossover
RS 232 connection
A-BUS Ready[®]
multiroom audio
high-current capability
192kHz/24-bit DACs



AVR 645

7 x 75W 7.1-Channel A/V Receiver

Versatility at its best! The AVR 645 not only switches two HDMI 1.1 sources; it is able to decode Dolby[®] Digital, DTS[®] and PCM audio streams from the HDMI inputs. Add USB audio and iPod connectivity to our EzSet/EQ™ system and high-current amplifier, and the AVR 645 performs with ease. Equally impressive on the video side is format conversion so that all analog video inputs may be viewed via component outputs, and A/V Sync Delay, which reconnects the timing of sound and images. There is no better combination of sound and image anywhere.

Specifications

- Audio Section – Continuous Average Power (FTC): (Stereo Mode) 90 watts per channel into 8 ohms @ 20Hz – 20kHz, <0.07% THD, both channels driven; (Seven-Channel Surround Mode): 75 watts per channel into 8 ohms @ 20Hz – 20kHz, <0.07% THD, all channels driven; High Instantaneous Current Capability (HCC): ±50 amps
- Tuner – Usable Sensitivity: IHF 1.3µV/13.2dBf; THD at 1kHz with 100% Modulation: (Mono) 0.2%, (Stereo) 0.3%; FM Adjacent Channel Selectivity: ±400kHz, 70dB; Ultimate (Maximum) S/N Ratio (measured at 1mV RF Input Level): (Mono) 70dB, (Stereo) 68dB
- General – Dimensions (H x W x D): 165mm x 440mm x 435mm; Weight: 18.6kg
[Depth measurement includes knobs, buttons and terminal connections; height measurement includes feet and chassis.]

Features

- 75W x 7 Into 8 Ohms, 20Hz – 20kHz, at <0.07% THD, With All Channels Driven Simultaneously
- High-Current (±50 Amps), Ultrawide-Bandwidth (10Hz – 100kHz) Amplifier Design Effortlessly Powers the Most Dynamic Digital Sources
- Dolby Digital and Dolby Digital EX Extended Surround Decoding Using Advanced TI™ DA610 (250Mhz) 32-bit DSP Processor
- Full Suite of DTS[®] Modes, Including DTS-ES[®] 6.1 Discrete & Matrix and Neo:6[®] and DTS 96/24

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- Two Input HDMI Switching with Audio Playback from HDMI 1.1 Sources
- Connects to Harman Kardon The Bridge™ for iPod® Playback, Control and Charging
- USB Input for Audio Streams and Software Upgrades
- 192kHz/24-Bit DACs
- 3 Assignable Wide Bandwidth (100MHz), HDTV-Ready Component Video Inputs and 1 Output
- Dolby Pro Logic IIx (Movies, Music and Game Modes) Surround Sound processes Native Stereo or 5.1 Channel Content to Produce 6.1 or 7.1 Output Channels
- Harman-Exclusive Logic 7 Cinema and Music Surround Sound Processing in 5.1 and 7.1 Channels for Superior Soundstage Imaging and Playback of Both Surround-Encoded and Stereo Recordings
- Dolby Headphone to Create Spacious, Open Sound Fields when Using Headphones
- 5- and 7-Channel Stereo, Hall and Theater Surround-Sound Modes
- Video Processor for Video Cross Conversion from Composite/S to Component
- A/V Sync Delay Adjustable for Each Input Delivers Perfect Lip Sync with Digital Programs or Video Displays
- EzSet/EQ for Quick and Accurate System Setup and Room Correction
- FM Stereo/FM/AM Tuner With 30 Presets and Direct-Access Tuning
- 7.1 Capability with Stereo Subwoofer Outputs for Direct Connection to a Powered Subwoofer
- Six A/V Inputs with S-Video plus Two Audio only Inputs
- 8-Channel Direct Inputs for Use With External Surround Decoders
- 7.1 Preamp Outputs for All Channels Allow the Use of External Amplifiers
- Convenient Front-Panel Audio/Video Input With S-Video is Switchable to an Output for Use With Video Games or Portable Recorders
- Eight Digital Inputs (Three Optical and Three Coaxial on Rear Panel, and One Optical and One Coaxial on Front Panel)
- Two Digital Outputs (1 Coax and 1 Optical Rear Panel)
- Multiroom/Multisource Audio Allows Users in Separate Rooms to Listen to Different Sources Simultaneously; Includes Separate Zone II Remote Control for Multiroom Operation, or Simplified Operation in Main Room
- A-BUS Ready Technology with 1 Outputs for AB 1 Amplified Keypad for Multiroom Operation without the Need of External Amplifiers
- RS 232 Port to Control the Unit via Compatible Optional, External Keypads or Control Systems
- Quadruple Crossover Bass Manager Allows Different Crossover Point to be Used for the Front Left/Right, Center and Surround and Surround Back Speakers
- Wide Range of Low-Frequency Crossover Points Available (40Hz, 60Hz, 80Hz, 100Hz, 120Hz and 200Hz)
- Surround Back Amplifier Channels Configurable for Use as Second Zone Amplification
- On-Screen Display, including Component Video
- Detachable IEC Power Cord
- Programmable Power-Up Volume

All features and specifications are subject to change without notice.

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