

## Audio Server



As the centerpiece for any home audio system, the AAS Audio Server provides an easy, powerful way to store and enjoy your complete music collection, with the ability to instantly access any album or track from touchpanels, keypads and computers throughout the home.

**Instant Access**—The AAS Audio Server is a hard disk based audio system which can store many hundreds of hours of music, all with the convenience of instant access from its front panel, from a computer, or from Crestron touchpanels and keypads. Whether you select a track by title, album, artist, or genre, the AAS locates it instantly and plays it at your command. And with hard disks up to 250GB, literally thousands of hours worth of music can be stored.

**On-Screen Menu**—Browsing through albums and tracks, ripping CDs, and organizing a complete music library is fun and easy using the onscreen menu (OSM). Displayed on a video or SVGA monitor, the OSM shows full album, track, and artist names as well as album cover art, letting you manage and play the entire music library using the front panel controls or IR remote. The same OSM can be viewed and navigated using any computer Web browser (Macromedia® Flash® required), or even a Crestron touchpanel as part of a complete control system.

**Easy Loading**—Loading an entire CD collection onto the AAS is easy. Just place a CD into the disk tray, and the AAS rips it to digital in less time than it would take to play it. Then, the AAS automatically connects to the Gracenote CDDB Music Recognition Service via the built-in modem or Ethernet connection, downloading all of the information and cover art graphics for that CD. This information can also be entered manually, building a complete database for the entire music library.

**Custom Playlists**—The AAS lets you organize and control your music collection the way you want it. Using playlists, the AAS can be customized to suit the individual tastes of each family member, with the ability to compile different playlists for different moods and occasions. At any time, just select a playlist and let the AAS be the DJ, serving up a perfect mix of music from the list of tracks that you specified.

**Multi-Zone Outputs**—With up to 4 stereo outputs, the AAS is a vital component of any multi-room audio distribution system. The discrete outputs allow up to four different tracks to play in four different rooms at once. Professional quality features ensure exceptional audio quality in every room.

**Plug-and-Play Integration**—The AAS affords easy plug-and-play setup as part of a complete Adagio system. Without any programming, Adagio delivers full access and control of the AAS from every room in the house. The AAS can also be integrated with other systems, with control provided via Ethernet or IR.

**Computer Access**—The AAS even lets you listen to your music directly on any computer and transfer tracks to portable devices using applications such as Windows Media® Player or Apple® iTunes®. Connected to your home LAN, the AAS simply behaves as a network drive allowing for easy file management.

### AVAILABLE MODELS

**AAS-1** Adagio Audio Server, 1 output, 80GB

**AAS-2** Adagio Audio Server, 2 outputs, 160GB

**AAS-4** Adagio Audio Server, 4 outputs, 250GB

> High-performance digital audio server

> Choice of 80GB, 160GB, or 250GB capacity

> Supports WMA, MP3 up to 320k, and uncompressed WAV formats

> Multi-zone outputs — up to 4 discrete analog outputs

> Audiophile quality — high-end Wolfson Delta-Sigma 24-bit DAC's on a dedicated audio board

> Lossless optical and coaxial digital outputs

> Digital and analog inputs — record to hard disk from vinyl records, tapes and radio

> Access OSM control screens and view cover art on any video display, Crestron touchpanel or Flash-enabled Web browser

> Access the music library from or any device running Windows Media Player, Apple iTunes, or other music player application

> Transfer PC files easily using AAS as a network drive

> Ethernet and IR controllable

> Plug-and-play integration with Adagio systems

### SPECIFICATIONS

#### Operating System

Microsoft® Windows® XP Embedded

#### Ethernet

10/100BaseT, static IP or DHCP/DNS

#### Encoding

**Formats:** MP3, WMA, WAV (uncompressed)

**MP3 Bit Rates:** 128k – 320k, or variable

#### Audio (Analog)

**D-A Conversion:** Wolfson Delta-Sigma 24-bit

**Frequency Response:** 20Hz to 20kHz ±0.5dB typical

**S/N Ratio:** 100dB at 1kHz A-weighted

**Dynamic Range:** >96dB

**THD:** 0.003% at 1kHz typical

**Channel Separation:** 110dB at 1kHz typical

#### Connectors

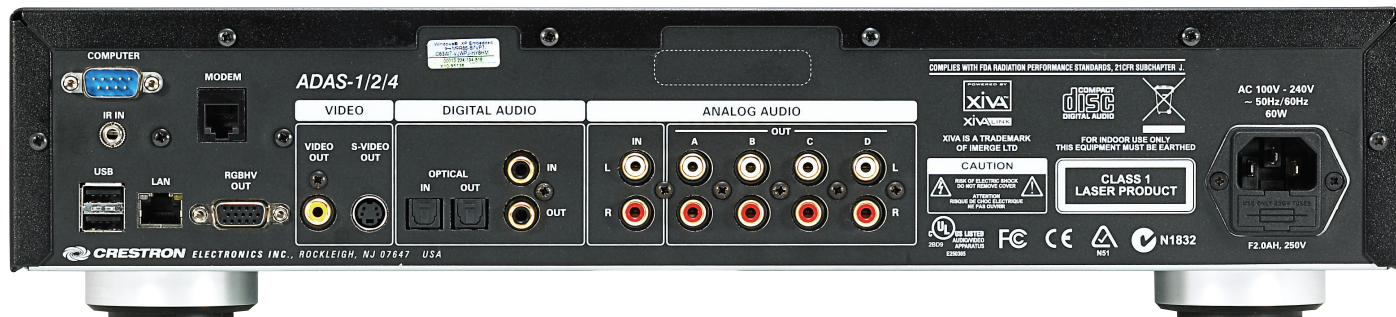
**COMPUTER:** (1) DB9 male, bidirectional RS-232 computer console port  
Up to 115.2k baud, hardware and software handshaking support

**IR IN:** (1) 3.5 mm TRS mini-phone jack, functionality TBD

**MODEM:** (1) 4-pin RJ11 female, 56 kb/s modem port

**USB:** (2) Type A female USB ports

**LAN:** (1) 8-wire RJ45 with 2 LED indicators, 10/100BaseT Ethernet port  
Green LED indicates link status, Yellow LED indicates Ethernet activity



Rear Panel

**RGBHV OUT:** (1) DB15HD female, RGB display output

Format: RGBHV

Resolution: SVGA 800 x 600 pixels

Output Voltage: 0.75 V<sub>p-p</sub> nominal

H and V Sync: 5.0 V<sub>p-p</sub> nominal

Output Impedance: 75 ohms (R/G/B), 100 ohms (H/V)

**VIDEO OUT:** (1) RCA female, composite video output

Output Voltage: 1.0 V<sub>p-p</sub> nominal

Output Impedance: 75 ohms

**S-VIDEO OUT:** (1) 4-pin mini DIN female, Y/C S-Video output

Output Voltage: 1.0 V<sub>p-p</sub> nominal

Output Impedance: 75 ohms

**DIGITAL AUDIO OPTICAL IN/OUT:** (2) JIS F05 female (TOSLINK) optical fiber connectors

S/PDIF optical digital audio input and output

Input Sample Rate Conversion: 32, 44.1, or 48 kHz supported

**DIGITAL AUDIO IN/OUT:** (2) RCA female, S/PDIF coaxial digital audio input and output

Input Sample Rate Conversion: 32, 44.1, or 48 kHz supported

Maximum Input/Output Level: 0.5 V<sub>p-p</sub>

Input/Output Impedance: 75 ohms

**ANALOG AUDIO IN:** (2) RCA female, unbalanced stereo line-level audio inputs

Maximum Input Level: 2 V<sub>RMS</sub>

Input Impedance: 10k ohms

**ANALOG AUDIO OUT A – D:** (2, 4 or 8) RCA female providing (1, 2 or 4 depending upon

model) unbalanced stereo line-level audio outputs;

Output Level: 2 V<sub>RMS</sub>

Output Impedance: 600 ohms

**AC 100V-240V:** (1) IEC Socket and fuse holder

Mates with removable power cord, included

**LCD Display**

Green LCD, 4 lines by 20 characters, adjustable LED backlight

**Controls**

**OPEN/CLOSE:** (1) Pushbutton, opens and closed the CD tray

**MENU:** (1) Pushbutton, selects menu items

**SoftKeys:** (4) LCD-driven pushbuttons

**Navigation:** (4) Cursor buttons and (1) Select button for menu navigation and selection

**Transport:** (5) buttons for PLAY, PAUSE, STOP, RWD/SKIP BACK, FFWD/SKIP AHEAD

**MODE:** (1) Mode selection button

**STANDBY:** (1) Standby/Off/On button

**LED Indicators**

**ON-LINE:** (green) Indicates modem activity

**STANDBY:** (green) Indicates unit is in standby mode

**Power Requirements**

60 Watts, 100-240V AC @ 50/60Hz

**Environmental**

**Temperature:** 50° to 104°F (10° to 40°C)

**Humidity:** 10% to 90% RH (non-condensing)

**Enclosure**

Black metal, extruded aluminum faceplate

**Dimensions**

**Height:** 3.98 in (10.1 cm)

**Width:** 17.21 in (43.7 cm)

**Depth:** 14.45 in (36.7 cm)

**Weight**

18.74 lbs (8.5 kg)

**ADDITIONAL PRODUCTS**



Also available, the **PowerFile R200DL**

lets you rip an entire 200 disc CD

collection in a single operation.

Makes loading the ADAS easy and

efficient.