

**TEAC**  
1 9 5 3 - 2 0 1 3  
**60<sup>th</sup> ANNIVERSARY**

Reference System

# Premium System Components

Reference 501 series

Reference 301 series

Reference 01 series

Reference 'To Go'

Speaker systems

Application software



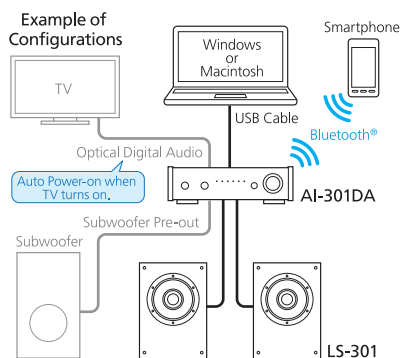
Need to stream high-resolution digital audio from a computer, wirelessly send digital audio from a smartphone, or even digitally expand your TV sound system to a superior 2.1ch Home Theater System?

The AI-301DA does it all. Enjoy a new approach to audio...



## Reference 301

## High-resolution audio and Bluetooth® playback in a single-box.



Stereo Pre-main Amplifier with USB DAC

### AI-301DA



- High-resolution Digital Audio Streaming from PC/Mac via USB Cable.
- Bluetooth® aptX® Codec High-quality Wireless Audio Streaming.
- 40W + 40W Class-D Power Amplifier Engineered by ICEpower.
- Auto Power-on with Incoming Digital Audio Signal.
- Subwoofer Pre-out for Easy Expansion to 2.1ch Home Theater System.

Coaxial 2-way Speaker System

### LS-301



- Wide response, up to 40kHz, Ideal for High-resolution Audio Playback.
- Air Direct Center Pole System to Drive Massive Sound Power.
- Rear Bass-reflex Port for Rich Bass Sound.
- A Perfect Loudspeaker Partner for the Reference 301 series.



Stereo Pre-main Amplifier with USB DAC

### AI-301DA

**Specifications:** ● D/A Converters: BurrBrown PCM1795 ● Supported Formats: DSD 2.8M/5.6MHz, PCM 32k/44.1k/48k/88.2k/96k/176.4k/192kHz 16/24/32-bit (USB Input), PCM 32k/44.1k/48k/88.2k/96k/176.4k/192kHz 16/24-bit (Coaxial Input), PCM 32k/44.1k/48k/88.2k/96k/176.4k/192kHz 16/24-bit (Optical Input) ● Audio Inputs: USB Audio x 1, Coaxial Digital Audio x 1, Optical Digital Audio x 1, Line (RCA) x 2 ● Audio Output: Subwoofer Pre-out (RCA) x 1 ● Maximum Output Power: 40W + 40W (4 ohms, 1kHz, 10% THD, JEITA), 20 W + 20 W (8 ohms, 1kHz, 10% THD, JEITA) ● Rated Output Power: 28W + 28W (4 ohms, 1kHz, 1% THD, JEITA), 15W + 15W (8 ohms, 1kHz, 1% THD, JEITA) ● Total Harmonic Distortion: 0.01% (8 ohms, 1kHz, 1W) ● Signal-to-Noise Ratio (LINE IN): 95dB (IHF-A/LPF 20kHz, 1kHz 2V Input) ● Frequency Response: 2Hz to 100kHz (-5dB) ● Headphone Jack: 1/4" (6.3mm) Stereo Jack ● Headphone Output Power: 100mW + 100mW (32 ohms Loaded, 1kHz) ● Headphone Total Harmonic Distortion: 0.005% ● Operating Power: AC 120V, 60Hz (US/Canada), AC 230V, 50Hz (UK/ Europe) ● Power Consumption: 38W (less than 0.5W at Auto Power Saving Mode, 1.2W at Sleep Mode) ● Overall Dimensions (W x H x D): 215 x 61 x 254 mm, 8.5" x 2.4" x 10.0" ● Weight: 2.1kg, 4.6 lbs. ● Included Accessories: Power Cord, Remote Control (RC-1313), AAA Batteries x 2, Owner's Manual (including Warranty Card)



Coaxial 2-way Speaker System

### LS-301

**Specifications:** ● Type: Coaxial 2-way 1-speaker, Rear Bass-reflex ● Units: 100mm Cone (Woofer), 20mm Soft Dome (Tweeter) ● Rated Input Power: 20W ● Maximum Input Power: 50W ● Impedance: 6 ohms ● Sensitivity: 85dB/W/m ● Frequency Response: 65Hz to 40kHz ● Cross-over Frequency: 3.8kHz ● Cabinet Capacity: 4.5 Liters, 275cu.in. ● Dimensions (W x H x D): 161 x 230 x 207 mm, 6.3" x 9.1" x 8.1" ● Weight (per piece): 2.7 kg, 5.9 lbs. ● Included Accessories: Speaker Cable (1.8m, 6ft) x 2, Cork Sheet Feet x 8, Owner's Manual (including Warranty Card)



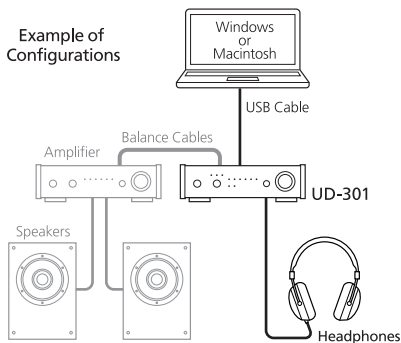
Leading-edge technologies contained in a small enclosure bring you a new way of enjoying master-tape quality music from a computer.

Used as standalone with headphones, or integrated with your existing hi-fi, the UD-301 upgrades your music experience.



*Reference* 301

*Delivering high-performance audio from a desktop component.*



USB DAC  
**UD-301**



- High-resolution Digital Audio Streaming from PC/Mac via USB Cable.
- Asynchronous Transfer Mode, and 192kHz Up-conversion Option.
- Dual-monaural Circuit Design Eliminates Interference between Left and Right Channels.
- Dual-monaural CCLC Headphone Amplifier Circuit Design for Fine Headphone Listening.
- XLR Balanced Analog Audio Output for Connection with Professional-grade Equipment.
- Toroidal-core Power Transformer for Stable Internal Current Supply.
- Variable Headphone Output Level Suits to Use as a Headphone Amplifier.
- Switchable Output Mode, "Fixed", "Variable" or "Off", for Versatile System Configurations.\*

DSD 5.6MHz
PCM 32 192kHz bit
High-Res Player (TEAC HR Audio Player)
Built-in DAC
USB DAC

\* "Variable" mode lets the UD-301 behave as a Pre-amplifier unit, while "Off" mode cancels out deliver output signals from XLR/RCA terminals on rear panel, when Headphone Jack is used.



USB DAC  
**UD-301**

**Specifications:** ● D/A Converters: BurrBrown PCM1795 x 2 ● Supported Formats: DSD 2.8M/5.6MHz, PCM 32k/44.1k/48k/88.2k/96k/176.4k/192kHz 16/24/32-bit (USB Input), PCM 32k/44.1k/48k/88.2k/96k/176.4k/192kHz 16/24-bit (Coaxial Input), PCM 32k/44.1k/48k/88.2k/96k/176.4k/192kHz 16/24-bit (Optical Input) ● Audio Inputs: USB Audio x 1, Coaxial Digital Audio x 1, Optical Digital Audio x 1 ● Audio Outputs: Balance (XLR) x 1, Unbalance (RCA) x 1 ● Headphone Jack: 1/4" (6.3mm) Stereo Jack ● Headphone Output Power: 100mW + 100mW (32 ohms Loaded, 0.1% THD) ● Supported Headphone Impedance: 16 to 600ohms ● Frequency Response: 5Hz to 55kHz (-3dB) ● Signal-to-Noise Ratio: 105dB ● Total Harmonic Distortion: 0.0015% (1kHz) ● Operating Power: AC 120V, 60Hz (US/Canada), AC 230V, 50Hz (UK/Europe) ● Power Consumption: 10W (less than 0.5W at Auto Power Saving Mode) ● Overall Dimensions (W x H x D): 215 x 61 x 238 mm, 8.5" x 2.4" x 9.4" ● Weight: 2.0 kg, 4.4 lbs. ● Included Accessories: Power Cord, Owner's Manual (including Warranty Card)

*From the very latest chart albums to songs that you remember from way back, Enjoy them all with Master-grade quality.*



High-resolution audio data – DSD 2.8M/5.6MHz and PCM 192kHz/24-bit – are available from on-line music stores over the Internet.

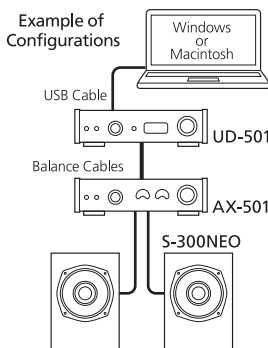
You've heard the song on CD a million times but when you hear it in high-res you'll hear levels of detail that you never knew were there...

Experience unparalleled sound quality.  
Modern state-of-the-art digital technology  
and proven audio know-how will take you  
to the next level of audio nirvana.



## Reference 501

## The Ultimate Dual-monaural and Full-balance System\*



USB DAC

UD-501



Stereo Pre-main Amplifier

AX-501



Coaxial 2-way Speaker System

S-300NEO



- PCM 384kHz/32-bit, DSD 5.6MHz High-resolution Digital Audio Streaming via USB Cable.
- Dual-monaural Circuit Design Eliminates Interference between Left and Right Channels.
- 4 types of DSD Cut-off Frequency, and 3 types of FIR Filter Options for Fine Tuning.
- Dual Toroidal-core Power Transformers for both Left and Right Channels.

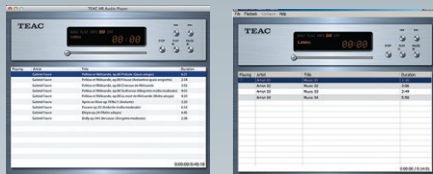
- High-performance Class-D Amplifier Engineered by ABLETEC.
- Full-balance Analog Circuit Design Eliminates Noise and
- Dimmable Needle-type Level Meters Visualize Pulse of the Music.
- CCLC Headphone Circuit for High-quality Headphone Listening.

Balance connection with the UD-501 and the AX-501



- Superb Energy Balance over Entire Audible Frequency Range.
- Air Direct Center Pole System to Drive Massive Sound Power.
- Rear Bass-reflex Port for Rich Bass Sound.
- High-quality Luxurious Cabinet with Gloss Finish, available in Red Cherry and Piano Black.

**DSD** 5.6MHz **PCM** 32 384kHz bit **High-Res Player** (TEAC HR Audio Player) **Built-in DAC** **USB DAC**



Application Software for High-resolution Audio Playback

**TEAC HR Audio Player**

Free to download

## Providing a High-resolution Audio Experience for Everyone.

The TEAC HR Audio Player is a high-quality music playback application for Windows and Mac, with high-resolution audio data processing capabilities including DSD 5.6MHz and PCM 384kHz/32-bit.

Used in conjunction with TEAC's USB DAC, the TEAC HR Audio Player allows you to listen to high-resolution audio without the sort of complication typical of many other music playback applications. Simply select the connected device, and drag-and-drop music files onto the window of the application.

Everything is optimized for high-resolution audio playback. The simplified screen of the TEAC HR Audio Player reduces the load on the CPU (which processes millions of calculations a second when playing back high-resolution audio data) while the RAM Buffer Playback mode pre-loads music audio data prior to playback, further reducing the load on the CPU.

It's all about the sound...

**Specifications:** ● Supported USB DAC: UD-501, UD-301, AI-501DA, AI-301DA, A-H01, NP-H750, HA-P50 ● System Requirements\*: Windows XP 32bit (UD-501 only), Windows Vista, Windows 7, Windows 8, Windows 8.1, OS X Lion (10.7), OS X Mountain Lion (10.8), OS X Mavericks (10.9) ● Supported Formats\* (DSD): dsf, diff 2.8M/5.6MHz (UD-501, UD-301, AI-301DA only) ● Supported Formats\* (PCM): PCM, WAV, FLAC 44.1k/48k/88.2k/96k/176.4k/192k/384kHz 16/24/32-bit ● Supported Formats\* (MP3): 32k to 320kbps ● DSD Transfer Mode: DSD Native (Windows only), DoP  
\* Supported Formats and System Requirements depend on specifications of respective USB DAC.



Look... high-res audio without a PC!

Experiencing the high-resolution audio world,  
with a conventional way of audio listening.

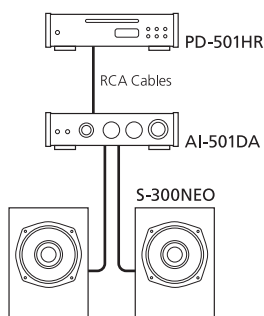
A pure and rich sense of sound depth is delivered from DSD file on a single disc.

**DSD**  
Disc Format

## Reference 501

## Enjoy High-resolution Audio without a PC Connection.

Example of  
Configurations



High-resolution CD Player

PD-501HR



Stereo Pre-main Amplifier  
with USB DAC

AI-501DA



Coaxial 2-way Speaker System

S-300NEO



- DSD 5.6MHz, PCM 192kHz/24-bit High-resolution Digital Audio Streaming from Disc.
- VACS Mechanism Eliminates Vibration and Reading Errors.
- Edge-hold Slot-in Mechanism for Safer Disc Loading.
- Separated Power Transformers for Digital Section and Analog Section.

- High-performance and High-quality Class-D Amplifier Engineered by ABLETEC.
- Toroidal-core Power Supply and Schott-key Barrier Diodes for Stable Current Supply.
- Dimmable Needle-type Level Meters Visualize Pulse of the Music.
- Digital Audio Inputs including USB Audio Input Allow Direct Digital Connection.

- Superb Energy Balance over Entire Audible Frequency Range.
- Air Direct Center Pole System to Drive Massive Sound Power.
- Rear Bass-reflex Port for Rich Bass Sound.
- High-quality Luxurious Cabinet with Gloss Finish, available in Red Cherry and Piano Black.

**DSD** 5.6MHz **PCM** 24 bit 192kHz **High-Res Player** (TEAC HR Audio Player) **Built-in DAC** **USB DAC**

### 1 Download the App.



Download the "TEAC HR Audio Player"  
from TEAC Website.  
(Free Download)

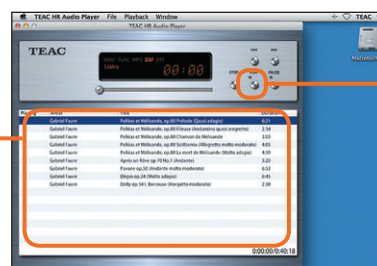
Supported OS: Windows XP 32bit\*  
Windows Vista, Windows 7,  
Windows 8, Windows 8.1,  
OS X Lion (10.7),  
OS X Mountain Lion (10.8),  
OS X Mavericks (10.9)

\* Windows XP 32bit version supports UD-501 only.

### 2 Drag-and-Drop Music Files.

Once the "TEAC HR Audio Player"  
has been started,  
just drag-and-drop music  
files onto the lower part of  
the main window.

You'll then have a list of  
playable music files, your  
"Playlist"



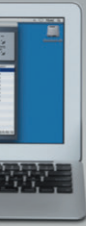
### 3 Start Playback.

Press "PLAY" to start  
playback.

REPEAT and SHUFFLE  
play are also supported.

For even better quality  
playback just choose the  
"Expand to RAM"  
option from the  
Configure menu.

# Reference 501

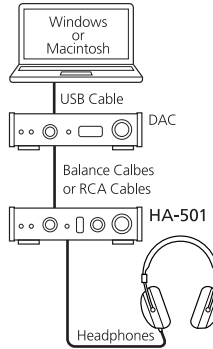


Maximize your headphone's potential by choosing the right damping factor setting.

## Reference 501

Maximize your headphone's potential!

### Example of Configurations



Headphone Amplifier

HA-501



- Maximizing your Headphones Performance by Choosing the Right Damping Factor Settings.
- Class-A Amplifier with 1400mW + 1400mW Output Power Drives even High-end Headphones.
- Full-analog, and Dual-monaural Circuit Design.
- Active DC Servo Technology Eliminates Unwanted Output Signal Caused by Voltage Difference inside the Transistors.
- XLR Balance Audio Input to Connect with High-end Audio or Professional Audio Equipment
- Wide-pitch Line-in RCA Connector Layout Allows to Accommodate Large-shell Pin Plug.



USB DAC  
UD-501

**Specifications:** ● D/A Converter: BurrBrown PCM1795 x 2 ● Supported Formats: DSD 2.8M/5.6MHz, PCM 44.1k/48k/88.2k/96k/176.4k/192k/384kHz 16/24/32bit (USB Input), PCM 32k/44.1k/48k/88.2k/96k/176.4k/192kHz 16/24bit (Coaxial Input), PCM 32k/44.1k/48k/88.2k/96k/176.4k/192kHz 16/24bit (Optical Input) ● Audio Inputs: USB Audio x 1, Coaxial Digital Audio x 2, Optical Digital Audio x 2 ● Audio Output: Balance (XLR) x 1, Unbalance (RCA) x 1 ● Frequency Response: 5Hz to 80kHz (–3dB) ● Signal-to-Noise Ratio: 115dB ● Total Harmonic Distortion: 0.0015% (1kHz) ● Headphone Jack: 1/4" (6.3mm) Stereo Jack ● Headphone Output Power: 100mW + 100mW (32 ohms Loaded) ● Power: AC120V 60Hz (US/Canada), AC230V 50Hz (UK/Europe) ● Power Consumption: 13W (0.1W at Auto Power Saving Mode) ● Overall Dimensions (W x H x D): 290 x 81.2 x 244 mm, 11.4" x 3.2" x 9.6" ● Weight: 4.0kg, 8.8 lbs. ● Included Accessories: Power Cord, Stereo RCA Cable, Owner's Manual, Warranty Card



Stereo Pre-main Amplifier  
AX-501

**Specifications:** ● Audio Inputs: Balance (XLR) x 1, Unbalance (RCA) x 3 ● Maximum Output Power: 88W + 88W (4 ohms, 1kHz, JEITA), 55W + 55W (8 ohms, 1kHz, JEITA) ● Rated Output Power: 70W + 70W (4 ohms, 1kHz, JEITA), 45W + 45W (8 ohms, 1kHz, JEITA) ● Supported Speaker Impedance: 4 to 8 ohms ● Frequency Response: 10Hz to 60kHz (+1dB, –5dB) ● Signal-to-Noise Ratio (Line In): 100dB (IHF-A, Input Short) ● Total Harmonic Distortion: 0.005% (8 ohms, 1kHz, 1W, JEITA) ● Headphone Jack: 1/4" (6.3mm) Stereo Jack ● Headphone Output Power: 50mW + 50mW (32 ohms Loaded, 0.005% THD) ● Power: AC120V 60Hz (US/Canada), AC230V 50Hz (UK/Europe) ● Power Consumption: 68W (0.5W at Auto Power Saving Mode) ● Overall Dimensions (W x H x D): 290 x 81.2 x 264 mm, 11.4" x 3.2" x 10.4" ● Weight: 4.0kg, 8.8 lbs. ● Included Accessories: Power Cord, Remote Control (RC-1309), AAA Batteries x 2, Owner's Manual, Warranty Card



Headphone Amplifier  
HA-501

**Specifications:** ● Audio Inputs: Balance (XLR) x 1, Unbalance (RCA) x 2, (1/8" Stereo Mini Jack) x 1 ● Audio Output: Line (RCA) x 1 ● Headphone Jack: 1/4" (6.3mm) Stereo Jack ● Supported Headphone Impedance: 16 to 600 ohms ● Maximum Headphone Output Power: 1400mW + 1400mW (32 ohms Loaded), 135mW + 135mW (600 ohms Loaded) ● Rated Headphone Output Power: 600mW + 600mW (32 ohms Loaded), 34mW + 34mW (600 ohms Loaded) ● Frequency Response: 2Hz to 100kHz (+0dB, –3dB), 10Hz to 100kHz (+3dB, –3dB) ● Signal-to-Noise Ratio: 110dB (A-Weight, RCA Input, 2Vrms, 1kHz) ● Total Harmonic Distortion: 0.01% (1V Input, 600mW, 32 ohms Loaded), 0.002% (1V Input, 1V Output, 32 ohms Loaded) ● Power: AC120V 60Hz (US/Canada), AC230V 50Hz (UK/Europe) ● Power Consumption: 22W ● Overall Dimensions (W x H x D): 290 x 81.2 x 244 mm, 11.4" x 3.2" x 9.6" ● Weight: 4.1kg, 9.1 lbs. ● Included Accessories: Power Cord, Owner's Manual, Warranty Card



Stereo Pre-main Amplifier with USB DAC  
AI-501DA

**Specifications:** ● D/A Converter: BurrBrown PCM5102 ● Supported Formats: PCM 32k/44.1k/48k/88.2k/96k/176.4k/192kHz 16/24bit (USB Input), PCM 32k/44.1k/48k/88.2k/96k/176.4k/192kHz 16/24bit (Coaxial Input), PCM 32k/44.1k/48k/88.2k/96k/176.4k/192kHz 16/24bit (Optical Input) ● Audio Inputs: USB Audio x 1, Coaxial Digital Audio x 1, Optical Digital Audio x 2, Line (RCA) x 2 ● Maximum Output Power: 68W + 68W (4 ohms, 20Hz to 20kHz, JEITA), 34W + 34W (8 ohms, 20Hz to 20kHz, JEITA) ● Rated Output Power: 50W + 50W (4 ohms, 20Hz to 20kHz, JEITA), 25W + 25W (8 ohms, 20Hz to 20kHz, JEITA) ● Supported Speaker Impedance: 4 to 8 ohms ● Frequency Response: 10Hz to 60kHz (–3dB, +0dB) ● Signal-to-Noise Ratio: 100dB (IHF-A, Input Short) ● Total Harmonic Distortion: 0.05% (4 ohms, 1kHz, 45W) ● Headphone Jack: 1/4" (6.3mm) Stereo Jack ● Headphone Output Power: 50mW + 50mW (32 ohms Loaded, 0.1% THD) ● Power: AC120V 60Hz (US/Canada), AC230V 50Hz (UK/Europe) ● Power Consumption: 55W (0.2W at Auto Power Saving Mode) ● Overall Dimensions (W x H x D): 290 x 81.2 x 264 mm, 11.4" x 3.2" x 10.4" ● Weight: 4.0kg, 8.8 lbs. ● Included Accessories: Power Cord, Remote Control (RC-1305), AAA Batteries x 2, Owner's Manual, Warranty Card



High-resolution CD Player  
PD-501HR

**Specifications:** ● D/A Converter: Cirrus Logic CS4398 ● Supported Media: CD-DA, CD-R CD-RW (ISO9660 Level1/2, JOLIET), DVD-ROM, DVD-R, DVD+R, DVD-RW, DVD+RW (UDF, DVD-ROM Compatible) ● Supported Formats: DSD 2.8M/5.6MHz, PCM 44.1k/48k/88.2k/96k/176.4k/192kHz 16/24bit (DSD Disc), PCM 44.1k/48k/88.2k/96k/176.4k/192kHz 16/24bit (CD-ROM, CD-R, CD-RW), PCM 44.1k 16bit (CD-DA) ● Audio Outputs: Coaxial Digital Audio x 1, Optical Digital Audio x 1, Line (RCA) x 1 ● Frequency Response: 20Hz to 80kHz (DSD, PCM 192kHz/24bit), 20Hz to 20kHz (CD-DA) ● Signal-to-Noise Ratio: 116dB (DSD), 103dB (CD-DA) ● Power: AC120V 60Hz (US/Canada), AC230V 50Hz (UK/Europe) ● Power Consumption: 11W (0.1W at Auto Power Saving Mode) ● Overall Dimensions (W x H x D): 290 x 81.2 x 244 mm, 11.4" x 3.2" x 9.6" ● Weight: 4.2kg, 9.3 lbs. ● Included Accessories: Power Cord, Remote Control (RC-1306), AAA Batteries x 2, Stereo RCA Cable, Owner's Manual, Warranty Card



Coaxial 2-way Speaker System  
S-300NEO

**Specifications:** ● Type: Coaxial 2-way 1 Speaker, Rear Bass-reflex (Magnetically Shielded) ● Units: 130mm Cone (Woofer), 25mm Soft Dome (Tweeter) ● Maximum Input Power: 100W ● Rated Input Power: 50W ● Impedance: 6 ohms ● Sensitivity: 86dB/W/m ● Frequency Response: 55Hz to 33kHz ● Cabinet Capacity: 5.7 Liters, 350 cu.in. ● Overall Dimensions (W x H x D): 184 x 240 x 229 mm, 7.2" x 9.4" x 9.0" ● Weight (per Unit): 4.3kg, 9.5 lbs. ● Included Accessories: Speaker Cables (2m, 6.6ft), Screw Spikes x 6, Washers x 6, Spike Bases x 6, Cleaning Cloth, Owner's Manual (including Warranty Card)





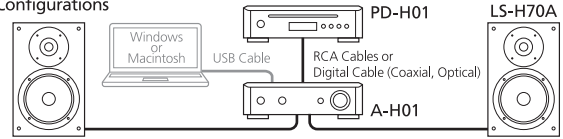
Sleek and easy to place CD hi-fi system turns your computer into the heart of a high-resolution audio system.



REFERENCE  
01

*Ready, Set, and Go!*  
*A Totally New Home Audio solution.*

Example of Configurations



CD Player  
PD-H01

- Sleek and Stylish CD Player.
- Supports MP3/WMA File Playback.
- Edge-hold Slot-in Mechanism for Safer Disc Loading.

Stereo Pre-main Amp with USB DAC  
A-H01

- High-resolution Audio Streaming via USB.
- Class-D Amplifier Engineered by ICEpower.
- Cooling Fan-less Design for enhanced refinement.

2-way Speaker System  
LS-H70A

- 120mm OMF Diaphragm Cone Woofer Produces High-resolution Sound.
- 25mm Soft Dome Tweeter for Crisp and Crystal Clear High-range.

PCM 24 192kHz bit High-Res Player (TEAC HR Audio Player) Built-in DAC USB DAC



Stereo Pre-main Amplifier with USB DAC  
A-H01

**Specifications:** ● D/A Converter: BurrBrown PCM5102 ● Supported Formats: PCM 32k/44.1k/48k/88.2k/96k/176.4k/192kHz 16/24bit (USB Input), PCM 32k/44.1k/48k/88.2k/96k/176.4k/192kHz 16/24bit (Coaxial Input), PCM 32k/44.1k/48k/88.2k/96kHz 16/24bit (Optical Input) ● Audio Inputs: USB Audio x 1, Coaxial Digital Audio x 1, Optical Digital Audio x 1, Line (RCA) x 2 ● Audio Output: Subwoofer Pre-out (RCA) x 1 ● Maximum Output Power: 40W + 40W (4 ohms, 1kHz, JEITA), 20W + 20W (8 ohms, 1kHz, JEITA) ● Frequency Response: 10Hz to 80kHz (-3dB) ● Signal-to-Noise Ratio: 100dB (Line In, IHF-A, Input Short) ● Total Harmonic Distortion: 0.05% (4 ohms, 1kHz) ● Headphone Jack: 1/4" (6.3mm) Stereo Jack ● Headphone Output Power: 50mW + 50mW (32 ohms Loaded) ● Power: AC120V 60Hz (US/Canada), AC230V 50Hz (UK/Europe) ● Power Consumption: 34W ● Overall Dimensions (W x H x D): 215 x 61 x 258 mm, 8.5" x 2.4" x 10.1" ● Weight: 1.6kg, 3.5 lbs. ● Included Accessories: Power Cord, Remote Control (RC-1268), AAA Batteries x 2, Owner's Manual, Warranty Card



CD Player  
PD-H01

**Specifications:** ● D/A Converter: BurrBrown PCM5102 ● Supported Media: CD-DA, CD-R, CD-RW (8cm CD not supported) ● Supported Formats: PCM, MP3, WMA ● Audio Outputs: Coaxial Digital Audio x 1, Optical Digital Audio x 1, Line (RCA) x 1 ● Power: AC120V 60Hz (US/Canada), AC230V 50Hz (UK/Europe) ● Power Consumption: 5W ● Overall Dimensions (W x H x D): 215 x 61 x 225 mm, 8.5" x 2.4" x 8.9" ● Weight: 1.3kg, 2.9 lbs. ● Included Accessories: AC Adapter (PS-0620), Power Cord for AC Adapter, Remote Control (RC-1284), AAA Batteries x 2, RCA Cable, Owner's Manual, Warranty Card



2-way Speaker System  
LS-H70A

**Specifications:** ● Type: 2-way 2-speakers, Rear Bass-reflex ● Unit: 120mm OMF Cone (Woofer), 25mm Soft Dome (Tweeter) ● Maximum Input Power: 70W ● Impedance: 4 ohms ● Sensitivity: 85dB/W/m ● Frequency Response: 55Hz to 35kHz ● Cabinet Capacity: 5.7Liter, 350 cu.in. ● Overall Dimensions (W x H x D): 150 x 250 x 229 mm, 5.9" x 9.8" x 9.0" ● Weight (Per Unit): 3.2kg, 5.1 lbs. ● Included Accessories: Speaker Cables (1.8m, 6ft) x 2, Cork Feet x 8, Owner's Manual (including Warranty Card)



2.1ch Speaker System  
LS-WH01

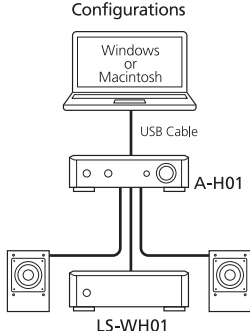
**Specifications:** [Subwoofer] ● Type: Bass-reflex ● Unit: Double-faced HVT ● Input Impedance: 4 ohms ● Maximum Output Power: 25W (4 ohms, JEITA) ● Amplifier Frequency Response: 45Hz to 140Hz ● Power: AC100V to 240V, 50/60Hz ● Power Consumption: 5.3W ● Overall Dimensions (W x H x D): 215 x 75 x 228 mm, 8.5" x 3.0" x 9.0" ● Weight: 1.45kg, 3.2 lbs. [Satellite Speaker] ● Type: Full-range, Closed ● Unit: 70mm Paper Cone ● Maximum Input Power: 60W (JEITA) ● Impedance: 8 ohms ● Sensitivity: 78dB/W/m ● Frequency Response: 95Hz to 25kHz ● Capacity: 1.1Liter, 67 cu.in. ● Overall Dimensions (W x H x D): 110 x 148 x 168 mm, 4.3" x 5.8" x 6.6" ● Weight (Per Unit): 1.3kg, 2.9 lbs. ● Included Accessories: AC Adapter (PS-M1628), Power Cord for AC Adapter, RCA Audio Cable, Speaker Cables (1m, 3.3ft) x 2, Rubber Feet x 12, Owner's Manual (including Warranty Card)

REFERENCE

01

*Sleek 2.1ch Hi-Fi System for Desktop or Bookshelf.*

Example of Configurations



Stereo Pre-main Amplifier with USB DAC  
A-H01

- High-resolution Audio Streaming via USB.
- Class-D Amplifier Engineered by ICEpower.
- Subwoofer Pre-out for Easy System Expansion.
- Cooling Fan-less Design for Refined Quietness.

2.1ch Speaker System  
LS-WH01

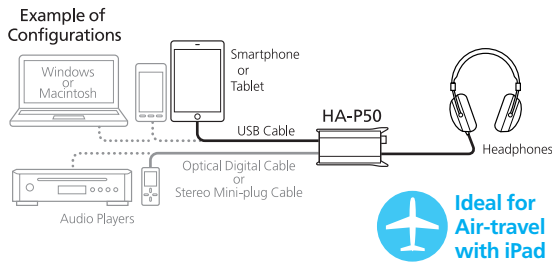
- HVT Unit for Extra Bass Sound and less vibration.
- Cabinet sealed with Rubber to Eliminate Air Leakage.
- Piano Black Satellite Speakers with Small Footprint.
- Auto Power Saving Mode.

PCM 24 192kHz bit High-Res Player (TEAC HR Audio Player) Built-in DAC USB DAC





**REFERENCE TO-GO** *Bringing High-res Audio Out.*



**Ideal for Air-travel with iPad**

Portable Headphone Amplifier with USB DAC

**HA-P50** **V6p** **2014** **GP** **GOLD**

- 96kHz/24-bit High-res Audio Digital Streaming from iOS Devices and PC/Mac via USB Cable.
- Digital Streaming from Android Devices via USB Cable.
- Discrete Push-pull Circuit Design Achieves 0.001% THD.
- 160mW + 160mW High-performance Amplifier Circuit.
- Built-in Li-ion Battery with USB Charging.
- 8-hour Battery Life for Long-haul Flight, ideal for watching movies on an iPad.

**PCM 24** **High-Res Player** **High-Res Player** **Built-in** **USB DAC**  
 96kHz bit (TEAC HR Audio Player) (TEAC HR Audio Player for iOS) DAC

**WARNING** Listening at a high volume for a long time may cause temporary or permanent hearing loss.

**Specifications:** ● D/A Converter: BurrBrown PCM5102 ● Supported Formats: PCM 96kHz/24-bit ("TEAC HR Audio Player for iOS"-installed iOS device with Lightning connector, "TEAC HR Audio Player"-installed PC/Mac, PCM 44.1kHz or 48kHz 16-bit (iPod with Lightning connector, Android devices with AOA2.0) ● Audio Inputs: USB x 2, Optical Digital Input (Optical 3.5mm) x 1, Analog Audio Outputs: 3.5mm Stereo Mini Jack x 1 ● Headphone Output: 3.5mm Stereo Mini Jack x 1 ● Compatible Headphone Impedance: 8 ohms to 600 ohms ● Frequency Response: 10Hz to 100kHz (AUDIO IN) ● Maximum Output Power: 160mW + 160mW (32ohms, 1kHz, 10% THD, JEITA), 65mW + 65mW (300ohms, 1kHz, 10% THD, JEITA), 35mW + 35mW (600ohms, 1kHz, 10% THD, JEITA) ● Total Harmonic Distortion: 0.001% (32ohms, 1kHz, 100mW + 100mW Output Power, JEITA) ● Power: Built-in Li-ion Battery ● Battery Life: Approximately 8 hours (Digital Input) ● Dimensions (W x H x D): 64 x 21.7 x 112mm, 2.5" x 0.85" x 4.4" (Excluding protruding guards), 68 x 23 x 126mm, 2.7" x 0.9" x 5.0" (Including protruding guards) ● Weight: 210g, 7.4oz. ● Included Accessories: DC Power Supply Cable, USB Cable, Rubber Band x 2, Owner's Manual (with Warranty Card) ● Optional Accessory: USB/AC Adapter PS-P515U.

Wherever you are – land, sea or air – you can enjoy the same high-resolution sound you get from a Reference Home Hi-Fi System.



Portable Headphone Amplifier with USB DAC  
**HA-P50**

High-res Audio Playback App for iOS Devices  
**TEAC HR Audio Player for iOS**  
Free to download

This iOS App turns your iPhone, iPad and iPod touch into a High-res Audio Player and delivers digital audio streaming to the HA-P50. Also supports playing back Music Library on your iPhone, iPad and iPod touch.

**Specifications:** ● Supported iOS: iOS 6, iOS 7 ● Supported iOS Devices: iPhone 5s, iPhone 5c, iPhone 5, iPad Air, iPad mini with Retina display, iPad (4th generation), iPad mini, iPod touch (5th generation) ● Compatible Player: HA-P50

**Reference for Icons**

**DSD 5.6MHz** Supports DSD 5.6MHz Digital Streaming.

**PCM 32** **PCM 32** **PCM 24** **PCM 24** Supports PCM Digital Streaming.  
 384kHz bit 192kHz bit 192kHz bit 96kHz bit (Shown with Sampling Frequency and Bit length)

**High-Res Player** **High-Res Player** Compatible with High-res Playback Applications. (for Windows, Macintosh, iOS)  
 (TEAC HR Audio Player) (TEAC HR Audio Player for iOS)

**Built-in DAC** Supports Digital-to-Analog Conversion by Built-in D/A Converter(s).

**USB DAC** Supports Digital Streaming via USB Port.

**Bluetooth aptX® Codec** Supports High-quality Wireless Audio Streaming by Bluetooth® aptX® Codec.

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