

### A-250 CLASS-A 100 W/8 Ohms MONOPHONIC POWER AMPLIFIER



Ultra-massive pure Class A monophonic power amplifier with power MOS-FET technology — Two pure class A power units each with 10 parallel push-pull transistor pairs are driven in parallel, resulting in a 20-parallel configuration. This superbly capable power amplification stage realizes perfect constant-voltage drive that handles rapidly fluctuating speaker impedances with ease. The signal path from the power amplification stage to the speaker terminals is also carefully designed for low impedance. Further highlights are ultra-heavy-gauge edgewise coils, semiconductor (MOS-FET) switches with excellent long-term reliability, and balanced remote sensing technology for improved performance parameters. This thorough attention to every detail manifests itself in a damping factor of 1,000 and overall excellent speaker control. The internal layout is designed to minimize the influence of electromagnetic disturbances, for example by placing the signal input stage in very close proximity to the input terminals. Consequently, S/N ratio is even better than in the A-200, reaching another pinnacle in Accuphase history. The A-250 is a robust and reliable product that will be cherished by its owner for many years. Bridged operation allows use of two A-250 units as a monophonic amplifier with even more power, capable of delivering 1,600 watts into 2 ohms.

#### GUARANTEED SPECIFICATIONS

- Continuous average output power: 100 watts (8 ohms), 200 watts (4 ohms), 400 watts (2 ohms), 800 watts (1 ohm, music signal) / Bridged operation (2 units): 400 watts (8 ohms), 800 watts (4 ohms), 1,600 watts (2 ohms, music signal)
- Frequency response: 0.5 Hz - 160 kHz +0, -3.0 dB
- Intermodulation distortion: 0.01% or less
- Damping factor: 1,000 (EIA, 8 ohm load, 50 Hz)
- S/N ratio: 127 dB (GAIN: MAX), 133 dB (GAIN: -12 dB) (A weighted)
- Rated input: 1.13 V

#### MAIN FEATURES

- Two-way meter featuring digital indication of true power values and bar graph indication
- Meter OFF/ALL/dB/W switching
- Meter range selector: AUTO/10W/100W/1000W
- Hold time selector button
- Input selector button
- Gain selector
- Operation mode selector
- Balanced inputs
- Phase selector
- Two sets of speaker outputs (simultaneous output)
- Maximum dimensions: 465 (W) x 238 (H) x 514 (D) mm (18-5/16" x 9-3/8" x 20-1/4")
- Mass: 46.0 kg

\* Supplied accessory: AC power cord

### A-75 CLASS-A 60 W/ch STEREO POWER AMPLIFIER



The ultimate Pure Class A Stereo Power Amplifier that ushers in a new age — The alluring sonic quality that can be achieved in a power amplifier by using power MOS-FETs in a Pure Class A configuration is the dream of many audiophiles. The A-75 features instrumentation amplifier topology that further reduces noise by 11% as compared to the predecessor model, resulting in superbly transparent sound. Balanced Remote Sensing that relies on negative feedback both from the signal and ground lines, MOS-FET switches for utter reliability, edgewise coil with large cross-section area, Hall element for current detection, and many other sophisticated features all contribute to reduced output impedance. The end result is a damping factor rating of 1,000 which represents a 25% improvement over the previous model. The 10-parallel push-pull power amplification stage mounted to massive heat sinks realizes ideal constant-voltage drive, and the maximum output rating of 547 watts into 1 ohm (music signals) demonstrates that the amplifier is capable of handling even large speakers with ease. In bridged mode, the A-75 can be further upgraded to a monophonic power amplifier with an impressive output rating of 960 watts into 2 ohms (music signals). A glance at the front panel provides accurate output information by means of easy to read digital power meters as well as bar graph meters.

#### GUARANTEED SPECIFICATIONS

- Continuous average output power: 60 watts/ch (8 ohms), 120 watts/ch (4 ohms), 240 watts/ch (2 ohms), 480 watts/ch (1 ohm, music signal) / bridged mode: 240 watts (8 ohms), 480 watts (4 ohms), 960 watts (2 ohms, music signal)
- Frequency response: 0.5 Hz - 160 kHz +0, -3.0 dB
- IM distortion: 0.01% or less
- Damping factor: 1,000 (EIA, 8 ohm load, 50 Hz)
- S/N ratio: 122 dB or better (A weighted)
- Input sensitivity: 0.87 V

#### MAIN FEATURES

- Two-way meter featuring digital indication of true power values and bar graph indication of voltage values
- Meter OFF/ALL/dB/W display selector
- Gain selector
- Hold time selector button
- Input selector button
- Operation mode selector
- Balanced inputs
- Two sets of speaker outputs (simultaneous output)
- Maximum dimensions: 465 (W) x 238 (H) x 515 (D) mm (18-5/16" x 9-3/8" x 20-1/4")
- Mass: 43.9 kg

\* Supplied accessory: AC power cord

### A-48 CLASS-A 45 W/ch STEREO POWER AMPLIFIER



The A-48 harnesses a wealth of technological know-how gained from higher-end models to realize significant advances in performance and sound quality. It is a pure Class-A stereo power amplifier that recreates the musical stage with amazing transparency. The signal input section employs the instrumentation amplifier principle and is designed for a high gain of 22 dB (multiplication factor approx. 12.5), resulting in an amazing S / N ratio of 117 dB. The power supply with large toroidal power transformer and massive 60,000  $\mu$ F filtering capacitors, together with a power amplification stage using power MOS-FETs in a six-fold parallel push-pull architecture delivers ample output power of 360 watts into 1 ohm (music signals) and achieves a damping factor of 800. In bridged mode, the A-48 can be further upgraded to a monophonic power amplifier with an impressive output rating of 720 watts into 2 ohms (music signals). The output protection circuit reliably guards against any short-circuiting of the speaker terminals, for complete peace of mind. By eliciting the best possible sound from the speakers, this power amplifier makes musical perfection come alive in your listening room.

#### GUARANTEED SPECIFICATIONS

- Continuous average output power: 45 W / ch (8 ohms), 90 W / ch (4 ohms), 180 W / ch (2 ohms), 360 W / ch (1 ohm, music signal) / Bridged operation: 180 W (8 ohms), 360 W (4 ohms), 720 W (2 ohms, music signal)
- Frequency response: 0.5 Hz - 160 kHz +0, -3.0 dB
- IM distortion: 0.01% or less
- Damping factor: 800 (EIA, 8 ohm load, 50 Hz)
- S / N ratio: 117 dB (GAIN: MAX), 122 dB (GAIN: -12 dB) (A weighted)
- Rated input: 0.76 V

#### MAIN FEATURES

- Logarithmic type analog power meters
- Gain selector
- Input selector button
- Meter OFF button
- Meter HOLD button
- Speaker selector
- Operation mode selector
- Balanced inputs
- Balanced input polarity selector
- Two sets of speaker outputs
- Maximum dimensions: 465 (W) x 211 (H) x 464 (D) mm (18-5/16" x 8-5/16" x 18-17/64")
- Mass: 33.0 kg

\* Supplied accessory: AC power cord

## A-36 CLASS-A 30 W/ch STEREO POWER AMPLIFIER



Impressive pure class A stereo power amplifier redefines baseline excellence — The A-36 inherits many of the outstanding design technology features developed for higher-end models such as the A-200 and A-70. It redefines the basics for pure class A power amplifiers and has been carefully honed with the same unwavering attention to detail and dedication to sound quality for which Accuphase is famous. Power MOS-FET devices in triple-parallel push-pull configuration for each channel, fully balanced signal paths realized with instrumentation amplifier topology, along with MCS+ design and current feedback in amplification circuitry deliver outstanding performance for improved sound quality. The robust power supply easily sustains power output of 150 watts per channel (music signals) down to impedances as low as 1 ohm, and bridged mode turns the unit into a superlative monophonic power amplifier with even higher output. In the output circuitry, MOS-FET switches used in place of relays eliminate mechanical contacts and help to improve long-term reliability. Top-grade materials and sophisticated circuit pattern technology result in low impedance and allow the realization of a damping factor of 400.

### GUARANTEED SPECIFICATIONS

- Continuous average output power: 30 W/ch (8 ohms), 60 W/ch (4 ohms), 120 W/ch (2 ohms), 150 W/ch (1 ohm, music signal) / Bridged mode: continuous output 120 W (8 ohms), 240 W (4 ohms), 300 W (2 ohms, music signal)
- Frequency response: 0.5 Hz - 160 kHz +0, -3.0 dB
- IM distortion: 0.01% or less
- Damping factor: 400 (EIA, 8 ohm load, 50 Hz)
- S/N ratio: 112 dB or better (A weighted)
- Input sensitivity: 0.62 V

### MAIN FEATURES

- Logarithmic compression type analog power meters
- Gain selector
- Input selector button
- Meter off/peak hold/normal selector, meter sensitivity selector button
- Speaker selector
- Operation mode selector
- Balanced inputs
- Two sets of speaker outputs
- Maximum dimensions: 465 (W) × 171 (H) × 425 (D) mm (18-5/16" × 6-3/4" × 16-3/4")
- Mass: 22.8 kg

\* Supplied accessory: AC power cord

## M-6200 1,200 W/1 Ohm MONOPHONIC POWER AMPLIFIER



The M-6200 approaches the concept of the power amplifier from a new vantage point, achieving an unprecedented level of performance that redefines what a monophonic power amplifier can be. Its discrete ultra-low-noise instrumentation amplifier construction allows fully balanced signal transmission, augmented by the MCS+ circuit and current feedback topology, resulting an amazing S/N ratio of 127 dB at maximum gain and 133 dB at the -12 dB gain setting. Two identical power amplifier units driven in parallel keep output impedance at a minimum, making the amplifier capable of delivering constant current down to extremely low impedance loads. A hefty power supply and high-power transistors arranged in a 16-parallel push-pull configuration deliver 1,200 watts (music signals) into an ultra-low 1-ohm load. The output stage with further lowered impedance is rated for a damping factor of 1,000. Its bold and massive appearance notwithstanding, the M-6200 is a monophonic amplifier that not only delivers abundant power and dynamic performance but that expresses even the most delicate and minute musical details with captivating realism.

### GUARANTEED SPECIFICATIONS

- Continuous average output power: 150 watts (8 ohms), 300 watts (4 ohms), 600 watts (2 ohms), 1,200 watts (1 ohm, music signal) / bridged operation (2 units): 600 watts (8 ohms), 1,200 watts (4 ohms), 2,400 watts (2 ohms, music signal)
- Frequency response: 0.5 Hz - 160 kHz +0, -3.0 dB
- Intermodulation distortion: 0.01% or less
- Damping factor: 1,000 (EIA, 8 ohm load, 50 Hz)
- S/N ratio: 127 dB (GAIN: MAX), 133 dB (GAIN: -12 dB) (A weighted)
- Rated input: 1.38 V

### MAIN FEATURES

- Analog output level meter with logarithmic scale
- Meter ON/OFF and hold time selector (3 s/infinite)
- Input selector button
- Gain selector
- Phase selector
- Operation mode selector
- Balanced input
- Two sets of speaker outputs (simultaneous output)
- Maximum dimensions: 465 (W) × 220 (H) × 499 (D) mm (18-5/16" × 8-11/16" × 19-5/8")
- Mass: 40.2 kg

\* Supplied accessory: AC power cord

## P-7300 800 W/1 Ohm STEREO POWER AMPLIFIER



The P-7300 is the result of the first full model change of Accuphase's top-of-the-line Class A/B stereo amplifier in nine years. Inheriting sophisticated features from the 40th anniversary commemorative model A-200 and its technology successor M-6200, and moving further ahead along the road of technological progress, the new product achieves a dramatically lowered noise floor, with an ultra low noise instrumentation amplifier type input stage built entirely with discrete components. In the output section, a 10-parallel push-pull configuration sustains large output currents, forming a power amplifier with extremely low output impedance. An improved NFB circuit featuring remote sensing and the use of MOS-FET switches with low On-resistance also contribute to the realization of a damping factor of at least 1,000, demonstrating the ability to drive any speaker with complete competence. In the pursuit of the ideal power amplifier, Accuphase has harnessed its entire potential to create the ultimate stereo power amplifier. Experience a new realm of record-breaking performance and utterly captivating sound.

### GUARANTEED SPECIFICATIONS

- Continuous average output power: 125 W/ch (8 ohms), 250 W/ch (4 ohms), 500 W/ch (2 ohms), 800 W/ch (1 ohm, music signal) / bridged operation: continuous output 500 W (8 ohms), 1,000 W (4 ohms), 1,600 W (2 ohms, music signal)
- Frequency response: 0.5 Hz - 160 kHz +0, -3.0 dB
- IM distortion: 0.01% or less
- Damping factor: 1,000 (EIA, 8 ohm load, 50 Hz)
- S/N ratio: 125 dB (GAIN: MAX), 131 dB (GAIN: -12dB) (A weighted)
- Input sensitivity: 1.26 V

### MAIN FEATURES

- Analog output level meter with logarithmic scale
- Meter ON/OFF and hold time selector (3 s/infinite)
- Input selector button
- Gain selector
- Phase selector
- Operation mode selector
- Balanced input
- Two sets of speaker outputs (simultaneous output)
- Maximum dimensions: 465 (W) × 238 (H) × 515 (D) mm (18-5/16" × 9-3/8" × 20-1/4")
- Mass: 48.6 kg

\* Supplied accessory: AC power cord

## P-4500 500 W/1 Ohm STEREO POWER AMPLIFIER



Inheriting the sophisticated design technology of higher-ranked models, the P-4500 is a Class AB stereo power amplifier with outstanding performance and impressive sound. The signal input stage is configured with discrete components and features a gain of 22 dB, while the amplification stage has a gain of 6 dB. This results in an excellent S / N ratio of 121 dB (gain selector at MAX position). The power amplification stage uses power transistors in a 4-parallel push-pull arrangement mounted directly on large heat sinks. Output power progresses linearly, rated for 90 watts into 8 ohms, 180 watts into 4 ohms, and 360 watts into 2 ohms. The amplifier can even deliver 500 watts into a 1-ohm load (with music signals), and the damping factor is a high 700. Support for bridged connection allows further system upgrades by turning the P-4500 into a massive monophonic power amplifier with four times higher output. A newly designed protection circuit also guards against short-circuiting of the speaker terminals, for complete peace of mind. Many advanced technological features come together in this amplifier built to realize truly natural and satisfying music reproduction.

### GUARANTEED SPECIFICATIONS

- Continuous average output power per channel: 90 watts (8 ohms), 180 watts (4 ohms), 360 watts (2 ohms), 500 watts (1 ohm, music signal) / Bridged operation: 360 watts (8 ohms), 720 watts (4 ohms), 1,000 watts (2 ohms, music signal)
- Frequency response: 0.5 - 160 kHz +0 -3.0 dB
- Intermodulation distortion: 0.01% or less
- Damping factor 700 (EIA, 8 ohm load, 50 Hz)
- S/N ratio: 121 dB (GAIN: MAX), 126 dB (GAIN: -12dB) (A weighted)
- Rated input: 1.07 V

### MAIN FEATURES

- Logarithmic analog power meters
- Meter selector
- Input selector button
- Gain selector
- Speaker selector
- Operation mode selector
- Balanced inputs
- Phase selector
- Two sets of speaker outputs
- Maximum dimensions: 465 (W) × 190 (H) × 427 (D) mm (18-5/16" × 7-1/2" × 16-13/16")
- Mass: 29.2 kg

\* Supplied accessory: AC power cord

## C-3900 PRECISION STEREO PREAMPLIFIER



The C-3900 is Accuphase's new flagship preamplifier developed to celebrate the 50th anniversary of the company's founding. Conventional preamplifiers attenuate the input signal by means of resistors and then amplify the result, which leads to an increase in noise. By contrast, AAVA performs direct volume adjustment through a combination of V-I (voltage-current) conversion circuits of different gain. Consequently, there are no changes in impedance or frequency response and sound quality remains impeccable. Any changes in noise level depending on the selected volume position are kept to an absolute minimum, thereby realizing outstanding S/N ratio also at commonly used listening levels. In the C-3900, the Balanced AAVA principle using two balanced AAVA circuits is further elevated by driving two such units in parallel, resulting in Dual Balanced AAVA which reduces the noise level by a further 30 percent compared to previous models. The volume sensor mechanism ensures utterly smooth operation with a solid feel and highly accurate volume knob position detection. The C-3900 is a top-of-the-line preamplifier that brings music to life with an emotional appeal such as never known before. Connecting the Stereo Phono Amplifier C-47 enables high-quality reproduction of analog records as well.

### GUARANTEED SPECIFICATIONS

- THD: 0.005% or less (20 - 20,000 Hz) • Frequency response: 3 Hz - 200 kHz (+0 -3.0 dB) • Rated input: 252 mV
- Rated output: 2 V • S / N ratio: 118 dB • Channel separation: -90 dB / 10 kHz • Gain: 12 dB / 18 dB / 24 dB
- Loudness compensator: +2 dB / +4 dB / +6.5 dB (100 Hz) • Headphone output level: 2 V (40 ohms)

### MAIN FEATURES

- Output selector • Phase selector button • Attenuator button • Loudness compensator switch • Recorder button
- Gain selector • Balance control • Input display • Level display • Display mode selector button • Balanced input and output connectors • Headphone jack • Headphone level selector • External preamplifier input connectors • Power consumption: 47 W • Maximum dimensions: 477 (W) x 156 (H) x 412 (D) mm (18-25/32" x 6-9/64" x 16-7/32") • Mass: 24.6 kg

\* Supplied accessories: AC power cord / Audio cable with plugs ASL-10B / Remote Commander RC-250

## C-2900 PRECISION STEREO PREAMPLIFIER



The C-2900 features a balanced circuit from input to output by implementing "Balanced AAVA", which is a unique volume control. Noise is reduced by configuring the major circuits with discrete parts and optimizing the gain allocation, while rugged aluminum frames separate the left and right channels to suppress both electrical interference and vibrations. These technical approaches reduce noise levels in the C-2900 by approximately 20% over conventional models and control the volume while preserving the vibrancy of the sound source. It also includes Accuphase's original advanced volume sensor for smoother and quieter volume adjustment. With the AD-2900 phono equalizer unit installed, it offers high-quality playback of analog records. Immerse yourself in a deeply moving musical experience with the C-2900.

### GUARANTEED SPECIFICATIONS (with AD-2900 installed)

- THD: Less than 0.005% (20 - 20,000 Hz) • Frequency response: 3 Hz - 200 kHz (+0, -3.0 dB) • Rated input: BALANCED / LINE 252 mV, AD (MC): 0.16 mV/0.08 mV, AD (MM): 5.0 mV/2.5 mV • Rated output: 2.0 V • S/N ratio: BALANCED / LINE INPUT: 113 dB, AD (MC): 79 dB/73 dB, AD (MM): 91 dB/85 dB • Gain: 12 dB/18 dB/24 dB
- Loudness compensator: +2 dB/+4 dB/+6.5 dB (100 Hz) • Headphone output level: 2 V (40 ohms)

### MAIN FEATURES

- Output selector • Phase selector • Attenuator • Loudness compensator • Gain selector • Balance control
- Input display • Volume level display • Display on/off button • Balanced inputs and outputs • Recorder terminals • External preamplifier inputs • Headphone jack • Headphone level selector • With AD-2900 installed: MC/MM selector, equalizer gain selector, MC input impedance selector • Power consumption: 31 W
- Maximum dimensions: 477 (W) x 156 (H) x 412 (D) mm (18-3/4" x 6-1/8" x 16-1/4") • Mass: 24.2 kg (53.4 lbs) (with AD-2900 installed: 25.1 kg (55.3 lbs))

◆ Dedicated option unit for C-2900:  
Phono Equalizer Unit AD-2900

\* Supplied accessories: AC power cord / Audio cable with plugs ASL-10B / Remote Commander RC-250

## C-2450 PRECISION STEREO CONTROL CENTER



The C-2450 is a control center carefully designed for music playback with impeccable quality. It implements technology developed for higher-ranked models while also featuring further refined AAVA volume control and renewed circuitry in all sections, resulting in a full model change. The AAVA circuit adjusts the volume by means of 16 different V-I converter amplifiers whose output is combined by current switches. The C-2450 uses 18 such converters per channel, with the upper two in a parallel configuration. A reduction in impedance results in a S/N ratio improvement of 1 dB. A sensible range of useful and well designed features includes tone controls optimized for sound quality. The optional phono equalizer unit allows playback of analog records with excellent fidelity. Exquisite side panels with natural wood grain finish and the massive top plate made of brushed aluminum with a fine hairline finish create an air of sophisticated elegance.

### GUARANTEED SPECIFICATIONS (with AD-2900 installed)

- THD: 0.005% or less (20 - 20,000 Hz) • Frequency response: 3 Hz - 200 kHz +0, -3 dB • Rated input: DISC (MC) 0.16 mV/0.08 mV, DISC (MM) 5.0 mV/2.5 mV, CD/LINE 252 mV • Rated output: 2.0 V • S/N ratio: CD/LINE 110 dB, DISC (MC) 79 dB/73 dB, DISC (MM) 91 dB/85 dB • Gain: 12 dB/18 dB/24 dB • Loudness compensator: +6 dB (100 Hz) • Headphone output level: 2 V (40 ohms)

### MAIN FEATURES

- With AD-2900 installed: equalizer gain selector, MC input impedance selector • Phase selector • Attenuator
- Loudness compensator • Recorder selector • Gain selector • Tone controls • Balance control • Volume level display • Display on/off button • Balanced inputs and outputs • Headphone jack • EXT. PRE connector
- Maximum dimensions: 465 (W) x 150 (H) x 409 (D) mm (18-5/16" x 5-7/8" x 16-1/8") • Mass: 19.0 kg (with AD-2900 installed: 19.9 kg)

◆ Dedicated option unit for C-2450:  
Phono Equalizer Unit AD-2900

\* Supplied accessories: AC power cord / Audio cable with plugs AL-10 / Remote commander RC-220

## C-2150 STEREO CONTROL CENTER



The C-2150 is an entry-level control center that provides performance far above its class and newly incorporates ANCC (Accuphase Noise and distortion Cancelling Circuit) topology. The volume control section which has a decisive influence on noise performance features advanced circuit design technology. The AAVA circuit from Accuphase that uses a combination of amplifiers with different gain to adjust the volume has been further enhanced by the addition of ANCC, resulting in even better noise performance at frequently used volume levels. In addition to a versatile array of inputs, the amplifier can be further expanded by option boards to support analog disc playback or reproduction of digital signals. Separate power supplies for left and right using custom-made filtering capacitors with excellent sonic characteristics ensure refined sound full of expressive power. This control center opens up new vistas for separate type music reproduction systems.

### GUARANTEED SPECIFICATIONS (with AD-50 installed)

- THD: 0.005% or less (20 - 20,000 Hz) • Frequency response: 3 Hz - 200 kHz +0, -3 dB • Rated input: DISC (MC) 0.126 mV, DISC (MM) 2.5 mV, CD/LINE 252 mV • Rated output: 2.0 V • S/N ratio: CD/LINE 110 dB, DISC (MC) 68 dB, DISC (MM) 80 dB • Gain: 12 dB/18 dB/24 dB • Loudness compensator: +6 dB (100 Hz) • Headphone output level: 2 V (40 ohms)

### MAIN FEATURES

- With DAC-60 installed: input selection, sampling frequency display • With AD-50 installed: MC/MM switching
- Phase selector • Attenuator • Loudness compensator • Recorder button • Gain selector • Tone control turnover: 40 Hz/100 Hz, 8 kHz/20 kHz selectable • Balance control • Volume level display • Balanced inputs and outputs • Headphone jack • EXT. PRE connector • Maximum dimensions: 465 (W) x 150 (H) x 405 (D) mm (18-5/16" x 5-7/8" x 15-15/16") • Mass: 16.9 kg

◆ Number of option board slots: 2  
◆ Compatible option boards:  
DAC-60, AD-50, LINE-10

\* Supplied accessories: AC power cord / Audio cable with plugs AL-10 / Remote commander RC-230

# DP-1000 PRECISION SUPER AUDIO CD TRANSPORT



Ideal reading operations – Accuphase marks its 50th anniversary with the DP-1000, the ultimate transport designed to satisfy even the highest expectations. The high-rigidity, high-precision drive is equipped with quiet and elegant disc loading mechanisms that reduce sound deterioration caused by disc rotation. The outer rotor-type brushless DC motor provides exceptionally smooth disc rotation, while the newly developed dampers in the pickup protect against vibrations. Incorporating a wide array of technological innovations like clean power supply circuits, a low center of gravity, a fortified frame construction as well as features like programmable playlists, the DP-1000 represents the ideal transport to quietly and accurately read disc data.

### GUARANTEED SPECIFICATIONS

- Compatible disc formats: 2-channel SA-CD, CD, data discs • Digital outputs: HS-LINK (Ver. 2, Ver. 1): SA-CD 2.8 MHz/1-bit, CD 44.1 kHz/16-bit, COAXIAL; CD 44.1 kHz/16-bit

### MAIN FEATURES

- Direct playback • Repeat playback (1 track, all tracks) • Max. 20 track programmable playlist • Power consumption 16 W • Maximum dimensions: 477 (W) × 156 (H) × 394 (D) mm (18-3/4" × 6-1/8" × 15-1/2") • Mass: 29.8 kg (65.7 lbs)

\* Supplied accessories: AC power cord / HS-LINK cable AHDL-15 / Remote commander RC-140

A state-of-the-art D/A converter – The job of a digital processor is to seamlessly convert digital signals into analog ones. At the heart of the DC-1000 developed for Accuphase's 50th anniversary is the ES9038 PRO (ESS Technologies), an 8MDS (DSD signal) / 8MDS++ (PCM signal) type D/A converter that drives 8 channels in parallel to deliver a three-fold increase in performance compared to single channel converters. MDS is an original D/A conversion technology that applies the characteristics of DSD signals to convert the digital inputs to analog signals while eliminating noise. Low-noise technologies like amplification of ANCC and internal signals, and parallel arrangements for output circuits have been incorporated into the preamplifier and power amplifiers to achieve the best performance to date. The DC-1000 digital processor utilizes numerous cutting-edge technologies so that playback provides the full range of sonic sensations.

### GUARANTEED SPECIFICATIONS

- Frequency response: 0.5 to 50,000 Hz +0, -3.0 dB • THD + Noise: 0.0004% (20 to 20,000 Hz) • S/N ratio: 123 dB • Dynamic range: 121 dB • Channel separation: 120 dB • Sampling frequencies: HS-LINK Ver. 2: [DSD] 2.8 MHz, 5.6 MHz, [PCM] 32 to 384 kHz/32-bit, HS-LINK Ver. 1: [DSD] 2.8 MHz, [PCM] 32 to 192 kHz/24-bit, USB: [DSD] 2.8 MHz, 5.6 MHz, 11.2 MHz (11.2 MHz ASIO only), PCM: 44.1 to 384 kHz/32-bit, OPTICAL: 32 to 96 kHz/24-bit, COAXIAL/BALANCED: 32 to 192 kHz/24-bit • D/A conversion principle: [DSD] 8MDS, [PCM] 8MDS++ • Rated output 2.5 V (BALANCED, LINE)

### MAIN FEATURES

- Digital inputs: HS-LINK, USB, OPTICAL, COAXIAL, BALANCED • Digital outputs: OPTICAL, COAXIAL • Analog outputs: BALANCED, LINE • Balanced output polarity selector • Sampling frequency display • Bit display • Output level control • Power consumption 36 W • Maximum dimensions: 477 (W) × 156 (H) × 394 (D) mm (18-3/4" × 6-1/8" × 15-1/2") • Mass: 24.4 kg (53.8 lbs)

\* Supplied accessories: AC power cord / Audio cable with plugs ASL-10B / USB Utility 3 CD

# DC-1000 PRECISION MDS DIGITAL PROCESSOR



# DP-750/DP-570

SUPER AUDIO CD PLAYER



DP-750

The DP-750 and DP-570 are integrated high-performance SA-CD/CD players that build upon the expertise of Accuphase's separate component type players. The high-rigidity, high-precision SA-CD/CD drive equipped with a quiet and ultra-smooth disc loading mechanism extracts the full scope of information recorded on disc media. Innovative converter technology with parallel drive configuration (DP-750: MDS, DP-570: MDS+) drastically improves performance parameters such as THD, noise, and linearity, producing an analog output signal of astonishing purity. A versatile array of transport outputs and digital inputs enables connection of a voicing equalizer and other equipment in the digital domain. These SA-CD/CD players bring the full musical performance to life for your complete enjoyment.

### GUARANTEED SPECIFICATIONS

		DP-750	DP-570	
Compatible discs		2-channel SA-CD / CD / Data discs		
Data disc (format)		WAV, FLAC, DSF, DSDIFF		
Laser diode wavelength		SA-CD: 655 nm, CD: 790 nm		
Sampling frequencies	HS-LINK Ver.1	DSD (1-bit)	2.8 MHz	
		PCM (24-bit)	32 to 192 kHz	
	HS-LINK Ver.2	DSD (1-bit)	2.8 MHz, 5.6 MHz	
		PCM (32-bit)	32 to 384 kHz	
	USB	DSD (1-bit)	2.8 MHz, 5.6 MHz, 11.2 MHz (11.2 MHz ASIO only)	
		PCM (32-bit)	44.1 to 384 kHz	32 to 384 kHz
OPTICAL	PCM (24-bit)	32 to 96 kHz		
	COAXIAL	PCM (24-bit)	32 to 192 kHz	
D/A converter	DSD	8 MDS	4 MDS+	
	PCM	8 MDS++	4 MDS+	
Number of parallel circuits		8	4	
Analog filter		5-pole Butterworth type analog filter		
Frequency response		0.5 to 50,000 Hz +0, -3.0 dB		
THD + Noise (20 to 20,000 Hz)		0.0005 %	0.0006 %	
S/N ratio		120 dB		
Dynamic range		117 dB		
Channel separation (20 to 20,000 Hz)		118 dB	117 dB	
Output voltage		2.5 V (Balanced/Line)		

### MAIN FEATURES

	DP-750	DP-570
Repeat playback	Single track, all tracks	
Programmable playlist	-	Maximum 20 songs
Sampling frequency / Quantization bit display	Yes	
Digital inputs	HS-LINK × 1 / USB × 1 / OPTICAL × 1 / COAXIAL × 1	
Transport outputs	HS-LINK × 1 / OPTICAL × 1 / COAXIAL × 1	
Analog outputs	LINE × 1 / BALANCED × 1	
Balanced output phase selector	Yes	
Output level control	0 dB to -80 dB in 1-dB steps (digital)	
Other functions	<ul style="list-style-type: none"> <li>SA-CD/CD selector button</li> <li>Input selector button</li> <li>Disc tray open/close button</li> <li>Play button</li> <li>Pause button</li> <li>Track search buttons</li> <li>Stop button</li> </ul>	
External design	Wood grain cabinet	Aluminum top plate with hairline finish / Aluminum side panels with high-gloss coating
Maximum dimensions	477 × 156 × 394 mm	465 × 151 × 393 mm
Width × Height × Depth	18-3/4" × 6-1/8" × 15-1/2"	18-5/16" × 5-15/16" × 15-1/2"
Mass	28.2 kg	19.0 kg

### SUPPLIED ACCESSORIES

	DP-750	DP-570
AC power cord	Yes	Yes
Audio cable with plugs	ASL-10	AL-10
Remote commander	RC-120	RC-140
PC software for installation	External input switching, output level control, direct play, repeat, etc. USB Utility 3 CD	



DP-570

### SA-CD/CD drive developed in-house

- Strong integrated construction combining bottom plate, frame, mechanism, base, and a large bridge reliably protects the traverse mechanism from vibrations.
- Traverse mechanism suppresses resonances with a 4-point elastic damper system.
- Disc tray cut from a single aluminum block.
- Disc loading mechanism with steel bearing shaft realizes smooth operation.
- Utterly quiet operation makes the listener forget the presence of a disc rotation mechanism.



For DP-750

# E-800 CLASS-A 50 W/ch INTEGRATED STEREO AMPLIFIER



- ◆ Number of option board slots: 2
- ◆ Compatible option boards: DAC-60, AD-50, LINE-10

The E-800 is the first release in a new lineup of Accuphase flagship models. It features the Balanced AAVA volume control that perfectly retains the purity of the music signal. The power amplifier section is configured as an instrumentation amplifier with power MOS-FETs in a six-fold parallel push-pull arrangement driven in pure Class-A. While keeping noise to an utmost minimum, the amplifier achieves a linear progression of impeccable power (50 W / 8 ohms, 100 W / 4 ohms, 200 W / 2 ohms) and it can even deliver 300 watts into 1 ohm (music signals). Features such as Balanced Remote Sensing and MOS-FET switches result in an amazing damping factor of 1,000. With a fully balanced configuration that extends from the balanced preamplifier section to the power amplifier section, the E-800 opens up a new horizon in the domain of integrated amplifiers.

### GUARANTEED SPECIFICATIONS (with AD-50 installed)

- Continuous average output power: 50 W / ch (into 8 ohms, both channels driven, 20 – 20,000 Hz, THD 0.05%)
- Frequency response (1 W output): 3 Hz – 150 kHz +0, -3.0 dB • Damping factor: 1000 (EIA, 8 ohm load, 50 Hz)
- Input sensitivity: 0.126 mV (DISC MC), 2.5 mV (DISC MM), 100 mV (BALANCED, LINE), 796 mV (MAIN IN) • S / N ratio: 104 dB (BALANCED, LINE), 119 dB (MAIN IN)

### MAIN FEATURES

- Phase selector button • Volume level display • Recorder selector • Tone controls • Loudness compensator button • Speaker selector • Meter operation / illumination switching • Switchable MAIN IN (Line, Balanced)
- Balanced inputs • Two sets of speaker outputs • Maximum dimensions: 465 (W) × 239 (H) × 502 (D) mm (18-5/16" × 9-13/32" × 19-49/64") • Mass: 36.0 kg

\* Supplied accessories: AC power cord / Remote commander RC-240

# E-650 CLASS-A 30 W/ch INTEGRATED STEREO AMPLIFIER



- ◆ Number of option board slots: 2
- ◆ Compatible option boards: DAC-60, AD-50, LINE-10

The E-650 is a pure class A integrated amplifier that maintains balanced signal transmission throughout its entire circuitry, from the inputs to the outputs. The preamplifier section features the same Balanced AAVA implementation with a combined arrangement of two AAVA units as in the C-3850. The power amplifier section is configured as an instrumentation amplifier and employs highly renowned power MOS-FETs in a triple parallel push-pull arrangement for the output stage. With a massive toroidal transformer, large filtering capacitors, and many other high-quality parts, the amplifier rivals separate components in performance, delivering an impressive 150 watts per channel into ultra-low 1-ohm loads (with music signals). The output circuitry reflects intensive R & D efforts and is rated for a damping factor of 800. As a result, the E-650 brings out the hidden potential of even the most difficult speakers, taking the listener into a limitless world of deep musical enjoyment.

### GUARANTEED SPECIFICATIONS (with AD-50 installed)

- Continuous average output power: 30 W/ch (8 ohms), 60 W/ch (4 ohms), 120 W/ch (2 ohms), 150 W/ch (1 ohm, music signals) • Frequency response (1 W output): 3 Hz - 150 kHz +0, -3.0 dB • Damping factor: 800 (EIA, 8 ohm load, 50 Hz) • Input sensitivity: 0.126 mV (DISC MC), 2.5 mV (DISC MM), 77.7 mV (BALANCED, LINE), 0.617 V (MAIN IN) • S/N ratio: 102 dB (BALANCED, LINE), 117 dB (MAIN IN)

### MAIN FEATURES

- Phase selector button • Volume level display • Recorder switch • Tone controls • Loudness compensator • Speaker selector • Meter operation/illumination switch • Switchable MAIN IN connectors (line, balanced)
- Balanced inputs • Two sets of speaker outputs • Maximum dimensions: 465 (W) × 191 (H) × 428 (D) mm (18-5/16" × 7-1/2" × 16-7/8") • Mass: 25.3 kg

\* Supplied accessories: AC power cord / Remote commander RC-220

# DP-450 COMPACT DISC PLAYER



A CD player with unsurpassed disc playback – The DP-450 CD player combines a number of innovative technologies, including a CD drive mechanism with a strong integrated structure, high-quality elastic dampers that protect the lens actuator against vibration, and MDS+ type D/A converters with four parallel circuits. Housing structure, component arrangement, and circuit layout were all redesigned from scratch in pursuit of an ideal compact disc playback experience. The DP-450 also includes a plethora of features, such as connections with a variety of sound sources like USB, OPTICAL, and COAXIAL and programmable playlists so that you can listen to tracks in your preferred order. It has mastered high-quality CD playback to deliver a sound experience that will resonate to your core.

### GUARANTEED SPECIFICATIONS

- Compatible disc formats: CD • Frequency response: 0.7 to 50,000 Hz +0, -3.0 dB • THD + Noise: 0.0008% (20 to 20,000 Hz) • S/N ratio: 119 dB • Dynamic range: 116 dB • Channel separation: 113 dB
- Sampling frequencies: USB: [PCM] 32 to 384 kHz/32-bit, [DSD] 2.8 MHz, 5.6 MHz, 11.2 MHz (11.2 MHz ASIO only), COAXIAL: 32 to 192 kHz/24-bit, OPTICAL: 32 to 96 kHz/24-bit • D/A conversion principle: 4MDS+ • Rated output 2.5 V (BALANCED, LINE)

### MAIN FEATURES

- Sampling frequency display • Bit display • Direct playback • Repeat playback (1 track, all tracks) • Max. 32 track programmable playlist • Digital inputs: USB, OPTICAL, COAXIAL • Transport outputs: OPTICAL, COAXIAL • Analog outputs: BALANCED, LINE • Balanced output polarity selector • Output level adjustment
- Power consumption 11 W • Maximum dimensions: 465 (W) × 151 (H) × 393 (D) mm (18-5/16" × 5-15/16" × 15-1/2") • Mass: 13.7 kg (30.2 lbs)

\* Supplied accessories: AC power cord / Audio cable with plugs AL-10 / Remote commander RC-140 / USB utility 3 CD

## Phono equalizer unit for use with C-2900/C-2450 AD-2900

The AD-2900 is a dedicated phono equalizer unit for the rear expansion slot in the C-2900/C-2450 preamplifiers. Its independent differential amplifier circuit for MC and MM and common differential equalizer circuit achieve high noise performance and extremely accurate RIAA characteristics. These circuits are mounted on a printed circuit board made of glass fluorocarbon resin, which has a low dielectric constant and low loss. Two input terminals allow the input selector on the preamplifier to switch between two tone arms. AD gain and MC input impedance can also be selected from the preamplifier's front panel.

- AD gain
  - MC: 64/70 dB (selectable)
  - MM: 34/40 dB (selectable)
- Input impedance
  - MC: 10/30/100/200/300 ohms (selectable)
  - MM: 47 kilohms (fixed)
- Supported models: C-2900, C-2850 (\*1), C-2820 (\*2), C-2810 (\*3), C-2800 (\*3), C-290V (\*3), C-290 (\*3), C-2450 (\*1), C-2420 (\*2), C-2410 (\*3), C-2400 (\*3)

\*1: MC input impedance is 10/30/100/300 ohms.

\*2: MC input impedance is 10/30/100/300 ohms. AD gain differs from the front panel display at MM: 34/40 dB and MC: 64/70 dB.

\*3: MC input impedance is 10/30/100 ohms. AD gain differs from the front panel display at MM: 34/40 dB and MC: 64/70 dB.

## Option Boards for Integrated Amplifiers and Preamplifiers

For details regarding number of boards, functionality, and use in older models, please consult your Accuphase dealer or an authorized service station.

### Digital Input Board DAC-60



- Converts a variety of digital sound sources into high-quality analog signals
- USB: USB 2.0 cable with Type B connector (2 m or shorter) Sampling frequencies: 2.8 MHz, 5.6 MHz 11.2 MHz/1-bit (11.2 MHz ASIO only) 32 to 384 kHz/32-bit
  - OPTICAL: JEITA standard optical fiber cable Sampling frequencies: 32 to 96 kHz/24-bit
  - COAXIAL: 75-ohm coaxial digital cable Sampling frequencies: 32 to 192 kHz/24-bit
  - Compatible models (Models marked with (\*) cannot accommodate 2 DAC-\*\* boards) C-2150, C-2120, C-2110, C-2000, C-245 (\*), CX-260 (\*), E-800, E-650, E-600, E-560, E-550, E-530, E-5000, E-480, E-470, E-460, E-450, E-408, E-380, E-370, E-360, E-350, E-308 (\*), E-307 (\*), E-280, E-270, E-260, E-250, E-213

### Analog Disc Input Board AD-50



- Input for playback of signals from analog record player. Incorporates high-performance, high-gain phono equalizer.
- Supports MC and MM cartridges
  - Input impedance switching and subsonic filter MC: Gain 66 dB, Impedance 30/100/300 Ω MM: Gain 40 dB, Impedance 47 kΩ
  - Compatible models: C-2150, C-2120, C-2110, C-2000, C-245, CX-260, C-265 E-800, E-650, E-600, E-560, E-550, E-530 E-5000, E-480, E-470, E-460, E-450, E-408, E-407, E-406V E-380, E-370, E-360, E-350, E-308, E-307, E-306V E-280, E-270, E-260, E-250, E-213, E-212, E-211

### Line Input Board LINE-10



- General high-level line input
- Compatible models: C-2150, C-2120, C-2110, C-2000 C-245, CX-260, C-265 E-800, E-650, E-600, E-560, E-550, E-530 E-5000, E-480, E-470, E-460, E-450, E-408, E-407, E-406V E-380, E-370, E-360, E-350, E-308, E-307, E-306V E-280, E-270, E-260, E-250, E-213, E-212, E-211

## E-5000 240 W/ch INTEGRATED STEREO AMPLIFIER



- ◆ Number of option board slots: 2
- ◆ Compatible option boards: DAC-60, AD-50, LINE-10

The E-5000 is the flagship high-power AB integrated amplifier in a special series to mark Accuphase's 50th anniversary. The preamplifier section features our superior Balanced AAVA volume control, while the power amplifier section includes an instrumentation amp and power transistors in a five-fold push-pull arrangement driven in Class AB. These circuits create a balanced circuit from input to output. Equipped with ideally balanced circuits and powerful output stages, the E-5000 integrated amplifier delivers music in rich and emotive experiences for every music genre.

### GUARANTEED SPECIFICATIONS (with AD-50 installed)

- Continuous average output power: 240 W/ch (8 ohms, both channels driven, 20 - 20,000 Hz, THD 0.05%)
- Frequency response (1 W output): 3 Hz - 150 kHz +0, -3 dB
- Damping factor: 1000 (EIA, 8-ohm load, 50 Hz)
- Input sensitivity: 220 mV (BALANCED, LINE), 1.74 V (MAIN IN), 0.126 mV (AD MC), 2.5 mV (AD MM)
- S/N ratio: 111 dB (BALANCED, LINE), 126 dB (MAIN IN)

### MAIN FEATURES

- Phase selector
- Volume level display
- Tone controls
- Loudness compensator
- Speaker selector
- Display mode selector
- Separated pre- and power-amplifier sections
- Balanced inputs
- Recorder inputs
- Speaker outputs
- Power consumption 98 W (No input signal), 570 W (In accordance with IEC 60065)
- Maximum dimensions: 465 (W) x 211 (H) x 502 (D) mm (18-3/16" x 8-15/16" x 16-3/4")
- Mass: 33.8 kg (74.5 lbs)

\* Supplied accessories: AC power cord / Remote commander RC-250

## E-480 180 W/ch INTEGRATED STEREO AMPLIFIER



- ◆ Number of option board slots: 2
- ◆ Compatible option boards: DAC-60, AD-50, LINE-10

The E-480 is an integrated amplifier that rivals the characteristics of separate type components. The low-noise type AAVA volume control circuit in the preamplifier section maintains sonic transparency at any position. The power amplifier section utilizes the instrumentation amplifier principle to keep noise at an absolute minimum. The power supply with large toroidal power transformer and massive filtering capacitors, in conjunction with the output stage of power MOS-FETs in a triple parallel push-pull configuration deliver ample power, rated at 260 watts x 2 into 4 ohms and 180 watts x 2 into 8 ohms. The Balanced Remote Sensing principle and other advanced circuit features keep the output impedance low, resulting in a damping factor of 600. This enables the integrated amplifier to create a dynamic musical stage, bringing out the best in any loudspeaker.

### GUARANTEED SPECIFICATIONS (with AD-50 installed)

- Continuous average output power: 180 W/ch (8 ohms, both channels driven, 20 - 20,000 Hz, THD 0.05%)
- Frequency response (1 W output): 3 Hz - 150 kHz +0, -3.0 dB
- Damping factor: 600 (EIA, 8 ohm load, 50 Hz)
- Input sensitivity: 0.126 mV (DISC MC), 2.5 mV (DISC MM), 190 mV (BALANCED, LINE), 1.51 V (MAIN IN)
- S/N ratio: 102 dB (BALANCED INPUT), 109 dB (LINE INPUT), 125 dB (MAIN IN)

### MAIN FEATURES

- Phase selector button
- Volume level display
- Recorder switch
- Tone controls
- Loudness compensator
- Speaker selector
- Meter operation/illumination switch
- Switchable MAIN IN (Line, Balanced)
- Balanced inputs
- Two sets of speaker outputs
- Maximum dimensions: 465 (W) x 181 (H) x 428 (D) mm (18-5/16" x 7-1/8" x 16-7/8")
- Mass: 24.6 kg

\* Supplied accessories: AC power cord / Remote commander RC-230

## E-380 120 W/ch INTEGRATED STEREO AMPLIFIER



- ◆ Number of option board slots: 2
- ◆ Compatible option boards: DAC-60, AD-50, LINE-10

The E-380 is an integrated stereo power amplifier with 20% more output power (120 W / 8 ohms, 180 W / 4 ohms) than the predecessor model E-370. The low-noise type AAVA volume control circuit in the preamplifier section maintains sonic transparency at any position. In the power amplifier section, instrumentation amplifier circuitry minimizes noise and realizes ideal power amplification. Features such as Balanced Remote Sensing and MOS-FET switches ensure extremely low output impedance and enable a damping factor of 500. Latest circuit design know-how and strictly selected high-quality materials contribute to the sonic excellence of the E-380 which also offers various expansion options. Enjoy impeccable and enchanting music reproduction with this solid performer.

### GUARANTEED SPECIFICATIONS (with AD-50 installed)

- Continuous average output power: 120 W / ch (into 8 ohms, both channels driven, 20 - 20,000 Hz, THD 0.05%)
- Frequency response (1 W output): 3 Hz - 150 kHz +0, -3.0 dB
- Damping factor: 500 (EIA, 8 ohm load, 50 Hz)
- Input sensitivity: 0.126 mV (DISC MC), 2.5 mV (DISC MM), 155 mV (BALANCED, LINE), 1.23 V (MAIN IN)
- S / N ratio: 98 dB (BALANCED INPUT), 109 dB (LINE INPUT), 124 dB (MAIN IN)

### MAIN FEATURES

- Phase selector button
- Volume level display
- Recorder selector
- Tone controls
- Loudness compensator button
- Speaker selector
- Meter operation / illumination switching
- MAIN IN (LINE) selector
- Balanced inputs
- Two sets of speaker outputs
- Maximum dimensions: 465 (W) x 171 (H) x 422 (D) mm (18-5/16" x 6-47/64" x 16-39/64")
- Mass: 22.8 kg

\* Supplied accessories: AC power cord / Remote commander RC-230

## E-280 90 W/ch INTEGRATED STEREO AMPLIFIER



- ◆ Number of option board slots: 2
- ◆ Compatible option boards: DAC-60, AD-50, LINE-10

The E-280 stereo amplifier boasts an output of 90 W into 8 ohms as the result of superior craftsmanship in development and refined technologies. The pre-amplifier is equipped with the advanced AAVA volume control to allow for volume adjustments that maintain the same amount of information. The power amplifier section is configured using the Instrumentation Amplifier principle with balanced circuits that provide superb noise performance and contains a power amplification stage in the large heat sink with bipolar transistors in a double parallel push-pull configuration. Combined with the Balanced Remote Sensing and MOS-FET switches, the E-280 achieves a damping factor of 500, a 25% improvement over previous models. Two option board slots allow for simultaneous use of both digital and analog disc input boards. Musical performances on the E-280 are delivered at a scale beyond the imagination.

### GUARANTEED SPECIFICATIONS (with AD-50 installed)

- Continuous average output power: 90 W/ch (8 ohms, both channels driven, 20 - 20,000 Hz, THD 0.05%)
- Frequency response (1 W output): 3 Hz - 150 kHz +0, -3 dB
- Damping factor: 500 (EIA, 8-ohm load, 50 Hz)
- Input sensitivity: 0.126 mV (DISC MC), 2.5 mV (DISC MM), 134 mV (BALANCED, LINE), 1.07 V (MAIN IN)
- S/N ratio: 96 dB (BALANCED INPUT), 107 dB (LINE INPUT), 122 dB (MAIN IN)

### MAIN FEATURES

- Phase selector button
- Volume level display
- Recorder switch
- Tone controls
- Loudness compensator
- MAIN IN (LINE) selector
- Speaker selector
- Balanced inputs
- Two sets of speaker outputs
- Power consumption 52 W (No input signal), 249 W (In accordance with IEC 60065)
- Maximum dimensions: 465 (W) x 151 (H) x 420 (D) mm (18-5/16" x 5-15/16" x 16-9/16")
- Mass: 20.4 kg

\* Supplied accessories: AC power cord / Remote commander RC-250

# PS-1230/PS-530

CLEAN POWER SUPPLY

\* Photos show 230 V AC versions



PS-1230



PS-530

Every audio component draws all of its energy from the power supply. The Clean Power Supply components from Accuphase are products that remove noise and impurities from the AC power line through a groundbreaking new approach, resulting in a drastic improvement of the sound and picture quality of connected audio and video equipment. Without relying on an oscillator, the reference waveform is created with further improved accuracy and is linked to the power section by a balanced connection to ensure incredibly low distortion in the output waveform. Because the circuitry is fully analog and the input and output frequencies are exactly the same, the unit itself does not generate any high-frequency noise. The PS-1230 can supply up to 1,200 VA and the PS-530 up to 510 VA to audio components, resulting in a dramatic sound quality improvement with any system. A built-in meter allows monitoring of output power, input/output voltage, and distortion.

## GUARANTEED SPECIFICATIONS

	PS-1230		PS-530	
	120 V version	230 V version	120 V version	230 V version
Rated output capacity (continuous)	1,000 VA	1,200 VA	510 VA	
Rated output voltage	120 V AC $\pm$ 1.5 V	230 V AC $\pm$ 3.0 V	120 V AC $\pm$ 1.5 V	230 V AC $\pm$ 3.0 V
Rated output current	8.3 A	5.2 A	4.25 A	2.22 A
Instantaneous peak current capacity	160 A	80 A	80 A	40 A
Output frequency	50 Hz or 60 Hz (identical to input frequency)			
Output waveform THD	0.08% or less			
Input voltage	120 V AC	230 V AC	120 V AC	230 V AC
Input frequency	50 Hz or 60 Hz			
No-load power consumption	39 W	50 W	28 W	37 W
AC connectors	8	8	8	6
Maximum dimensions	465 x 243.4 x 500.2 mm		465 x 181 x 386 mm	
Width x Height x Depth	18-5/16" x 9-9/16" x 19-11/16"		18-5/16" x 7-1/8" x 15-3/16"	
Mass	41.7 kg		24.0 kg	

## MAIN FEATURES

• Power switch/circuit protector • Meter selector ("AUTO-MONITOR" function) • Meter switchable for monitoring output power, input/output voltage, input/output distortion

\* Supplied accessory: AC power cord

# T-1200

DDS TYPE FM STEREO TUNER



FM broadcasts are an easily accessible medium for enjoying a wide scope of content, ranging from timeless musical masterpieces to the latest releases as well as cultural enrichment. The T-1200 represents an ingenious blend of sophisticated RF technology and digital technology. The front end uses the revolutionary DDS principle for the local oscillator. Most major functions after the intermediate frequency stage such as the variable bandwidth IF filter, multipath reduction, digital FM detector and DS-DC stereo demodulation are implemented by software on the DSP chip. This provides the required flexibility to pick up the desired station in optimum quality even under difficult reception conditions when interference is present. There are 20 memory slots for storing and recalling stations. In addition to balanced and line level output connectors, the tuner also has a digital output which allows connecting a D/A converter of your choice for sonic variety. The T-1200 is an FM stereo tuner developed to let audio and music aficionados enjoy superb sound without hassle.

## GUARANTEED SPECIFICATIONS

• IHF sensitivity: 9 dB $\mu$ V (Mono), 18 dB $\mu$ V (Stereo) • S/N ratio: 92 dB or higher (Mono), 76 dB or higher (Stereo) • THD (1 kHz): 0.02% or less (Mono), 0.04% or less (Stereo) • Stereo separation (1 kHz): 65 dB or higher • Digital output: Sampling frequency 48 kHz, 24-bit

## MAIN FEATURES

• 20-station memory • Pulse tuning system • Muting on/off button • Mode selector button (Stereo/Blend/Monaural) • Local/Distance (signal strength) selector button • Multipath reduction button • Meter function selector button (Signal strength/Multipath) • IF bandwidth selector knob • Analog outputs (Line/Balanced) • Digital output connector (COAXIAL) • Balanced output phase selector switch • Maximum dimensions: 465 (W) x 151 (H) x 406 (D) mm (18-5/16" x 5-15/16" x 16") • Mass: 13.0 kg

\* Supplied accessories: AC power cord / Audio cable with plugs AL-10 / Remote commander RC-430

# C-47

STEREO PHONO AMPLIFIER



Crucial requirements for a stereo phono equalizer are low noise and highly accurate equalizing characteristics over the entire frequency range. The C-47 is the first phono amplifier of this series to realize a fully balanced configuration which reliably shuts out external noise. If combined with a balanced preamplifier and a power amplifier employing the instrumentation principle, a system with fully balanced signal transmission throughout can be realized. The C-47 features a two-stage design with a head amplifier optimized to handle MC and MM cartridges and a high-accuracy equalizer amplifier, together providing outstanding noise performance and precise equalizing characteristics. A newly added dedicated balanced MC phono input enables balanced connection to the analog record player. By bringing out the full performance potential of each phono cartridge, the C-47 delivers a rich and deeply satisfying musical experience.

## GUARANTEED SPECIFICATIONS (with normal gain setting)

• THD: 0.005% or less (1 kHz, at rated output) • RIAA deviation: 10 Hz - 20 kHz, MC  $\pm$ 0.3 dB, MM  $\pm$ 0.3 dB • Input sensitivity: MC 1.26 mV, MM 40 mV • Maximum input voltage: MC 5.7 mV, MM 180 mV • Input impedance: MC - 10 ohms, 30 ohms, 100 ohms, 200 ohms, 300 ohms, 1 kilohm, switchable; MM - 1 kilohm, 47 kilohms, 100 kilohms, switchable • Gain: Normal - MC 64 dB, MM 34 dB, High - MC 70 dB, MM 40 dB • Subsonic filter: -12 dB / octave, 10 Hz • Rated output: 2 V, 50 ohms • S/N ratio: MC 97 dB, MM 108 dB

## MAIN FEATURES

• Input selector • MC / MM selector • Load impedance selector • Gain selector • Subsonic filter • Dedicated MC balanced input connectors • Three sets of phono input connectors • Balanced output connectors • Balanced output phase selector switch • Power consumption: 21 W • Maximum dimensions: 465 (W) x 114 (H) x 407 (D) mm (18-5/16" x 4-31/64" x 16-1/32") • Mass: 14.8 kg

\* Supplied accessories: AC power cord / Audio cable with plugs ASL-10



## MC Type Phono Cartridge

# AC-6

The AC-6 represents the fifth generation of phono cartridges from Accuphase, combining extensive experience with latest technology advancements, designed for ultimate playback capability. The semi line contact stylus extracts minute vibrations that are transmitted instantaneously to the magnetic circuit by a boron cantilever with high propagation speed. The magnetic circuit is mounted on a strong titanium base, ensuring accurate conversion into a music signal. Using a combination of carefully selected materials, each AC-6 is finished individually to the highest precision by dedicated and experienced craftspeople. Welcome to the exquisite world of analog record playback.

• Cartridge type: Moving coil • Frequency response: 10 Hz to 50 kHz • Rated output voltage: 0.4 mV (1 kHz) • Impedance: 1.8 ohms (DCR) • Recommended tracking force: 1.9 to 2.2 g (centered on 2.0 g) • Channel balance: Within 0.5 dB (1 kHz) • Channel separation: 30 dB or better (1 kHz) • Compliance:  $8 \times 10^{-6}$  cm/dyne at 100 Hz (CBS STR100) • Recommended load impedance with amplifier: 100 ohms or more, with step-up transformer: no limitations • Stylus: Semi line contact type (3 mm x 30 mm) • Cantilever: Solid boron, 0.3 mm dia. • Core material: Special magnetic material • Magnet: Neodymium N50 • Coil: OFC, 50 mm dia. • Terminal pins: High-gloss rhodium plated • Mass: 13.5 g

# DG-68 DIGITAL VOICING EQUALIZER



The DG-68 is a fifth-generation Digital Voicing Equalizer featuring leading-edge digital technology. A vivid high-resolution IPS LCD panel allows the use of a stylus pen to directly draw any desired sound field response curve. Further refined operation design and a full complement of sophisticated display functions make sound field compensation swift and easy. The rear panel features a full palette of input and output choices (HS-LINK, COAXIAL, OPTICAL, Line, Balanced) allowing optimal connection to any system. Four A/D converters driven in parallel and a D/A converter section with 8MDS+ topology create a high-quality environment for analog signal connections. A USB flash drive can be plugged in for saving backup data and screenshot data, providing full peace of mind. The DG-68 brings out hitherto unknown possibilities in music reproduction by controlling the sound field and tone exactly in accordance with the user's wishes.

### GUARANTEED SPECIFICATIONS

- Voicing: 1 / 6 octave, 67 bands (adjustment range  $\pm 12$  dB)
- Equalizer: 1 / 6 octave, 80 bands (adjustment range  $\pm 12$  dB)
- Spectrum analyzer: 1 / 3 octave, 35 bands, real-time analyzer
- Gain: +12 dB to -90 dB, variable
- Frequency response: 0.5 - 50,000 Hz (+0, -3.0 dB)
- Maximum analog input voltage: 1.78 V (at 0 dB gain)

### MAIN FEATURES

- Cursor / Enter buttons
- On / Off buttons for Voicing and Equalizer functions
- Memory button
- Input selector button
- Home button
- Microphone input jack
- Analog inputs and outputs: Line / Balanced
- Digital inputs and outputs: HS-LINK / COAXIAL / OPTICAL
- USB port: for USB flash memory
- Power consumption: 24 W
- Maximum dimensions: 465 (W) x 161 (H) x 396 (D) mm (18-5/16" x 6-11/32" x 15-19/32")
- Mass: 14.9 kg

### \* Supplied accessories:

Stylus pen / Measurement microphone AM-68 / Microphone cable (5 m) / Microphone holder / AC power cord / Audio cable with plugs ASL-10B / Remote commander RC-330

# DF-65 DIGITAL FREQUENCY DIVIDING NETWORK



Realizing the ultimate in audio enjoyment and performance — The Digital Frequency Dividing Network DF-65 harnesses the very best of digital technology in every aspect, including a high-speed 40-bit floating point DSP. The standard unit configuration supports signal processing for up to four-way systems. Highly accurate digital filters offer a choice of 59 cutoff frequency points and up to 96 dB/octave attenuation. The integrated time alignment function is adjustable in 0.5-cm steps, and a delay compensator can automatically offset any filter circuit delays. A monophonic output mode setting provides high versatility for various configurations.

Internal cutoff frequency settings (Hz) (Cutoff characteristics: -3.0 dB, 59 points)														
10	20	31.5	35.5	40	45	50	56	63	71	80	90	100	112	125
140	160	180	200	224	250	280	290	315	355	400	500	560	630	710
800	900	1000	1120	1250	1400	1600	1800	2000	2240	2500	2800	3150	3550	4000
5000	5600	6300	7100	8000	9000	10k	11.2k	12.5k	14k	16k	18k	20k	22.4k	

### GUARANTEED SPECIFICATIONS AND MAIN FEATURES

Slope characteristics	Six types: 6 dB, 12 dB, 18 dB, 24 dB, 48 dB, 96 dB / octave
Delay setting range (converted into distance)	-3,000 to +3,000 cm (0.5-cm steps)
Delay compensator	ON: Automatic compensation OFF: Manual compensation
Level setting range	-40 dB to +12 dB (0.1 dB steps)
Phase	Left/Right: Normal/Reverse, 4 patterns
Memory (Save/Recall)	For 4 channels together, 5 types
Character display	8 characters (preset names or select from 97 characters)

Analog input	Line/balanced input, one each A/D converter: 24-bit/176.4 kHz
Analog output	Each channel: Line/balanced input, one each
D/A converter	Stereo operation : 32-bit, 4 MDS++ Mono operation : 32-bit, 8 MDS++
Digital input	HS-LINK, COAXIAL, OPTICAL
Sampling frequencies	OPTICAL: 32 kHz - 96 kHz COAXIAL: 32 kHz - 192 kHz HS-LINK: 32 kHz - 192 kHz (Ver. 1) 32 kHz - 384 kHz (Ver. 2)
Digital output	HS-LINK, for 5-way and higher configurations
Frequency response	2.0 to 50,000 Hz, +0, -3 dB

### \* Supplied accessory: AC power cord

THD + Noise	0.0007% (20 - 20,000 Hz)
Channel separation	108 dB
S/N ratio	Digital input : 121 dB Analog input : 116 dB
Output voltage, output impedance	LINE/BALANCED: 2.5 V, 50 ohms
Number of channels	4-way (unused channels can be set to OFF)
Output modes	STEREO, MONO L+R, MONO L, MONO R
Maximum dimensions	465 (W) x 151 (H) x 396 (D) mm (18-5/16" x 5-15/16" x 15-9/16")
Mass	15.1 kg

# AUDIO CABLES

Audio cables must have low transmission losses, not introduce any sonic character of their own, and bring out the performance potential and musical qualities of connected equipment without any degradation. Audio cables from Accuphase employ the most up-to-date technology to meet these goals. They are high-quality products created through intensive research into conductor and insulation materials as well as cable construction principles, combined with extensive series of listening tests.

### ■ ASL/AL type

For line connections  
Gold-plated corrosion-resistant  
RCA-type phono plugs with low contact resistance

### ■ ASLC/ALC type

For balanced connections  
3-pin Cannon type XLR connectors

### SR Series < 8-Core Multi-Hybrid Conductor >



- Type: 8-core multi-hybrid configuration
- Center conductors: high-purity copper wire (7N) + 3 types of copper wire
- Jacket: dark brown PVC, 8.7 mm dia.
- Dielectric: polyethylene
- Total DC loop resistance: 20 m ohm/m
- Capacitance between two center conductors: 378 pF/m
- Insulation resistance: 40 M ohm/km

Model No.	Cable length	Type of plug
ASL-10B *2	1.0 m x 2 cables	Phono plug
ASL-15	1.5 m x 2 cables	
ASL-30	3.0 m x 2 cables	
ASL-50 *1	5.0 m x 2 cables	Phono plug
ASL-75 *1	7.5 m x 2 cables	
ASL-100 *1	10.0 m x 2 cables	
ASLC-10B *2	1.0 m x 2 cables	3-P XLR connector
ASLC-15B *2	1.5 m x 2 cables	
ASLC-30	3.0 m x 2 cables	
ASLC-50 *1	5.0 m x 2 cables	3-P XLR connector
ASLC-75 *1	7.5 m x 2 cables	
ASLC-100 *1	10.0 m x 2 cables	

### OFC Series < Oxygen-Free Copper (OFC) Twisted Wire >



- Type: 2-conductor shielded cable
- Center conductors: [oxygen-free copper wire + silver-plated soft copper wire]
- Jacket: blue PVC, 8.0 mm dia.
- Dielectric: polyethylene + foamed polyethylene
- Total DC loop resistance: 33 m-ohm/m
- Inter-electrode capacitance: 170 pF/m
- Insulation resistance: 40 M ohm/km

Model No.	Cable length	Type of plug
AL-10	1.0 m x 2 cables	Phono plug
AL-15	1.5 m x 2 cables	
AL-30	3.0 m x 2 cables	
AL-50 *1	5.0 m x 2 cables	Phono plug
AL-75 *1	7.5 m x 2 cables	
AL-100 *1	10.0 m x 2 cables	
ALC-10B *2	1.0 m x 2 cables	3-P XLR connector
ALC-15	1.5 m x 2 cables	
ALC-30	3.0 m x 2 cables	
ALC-50B *1*2	5.0 m x 2 cables	3-P XLR connector
ALC-75 *1	7.5 m x 2 cables	
ALC-100 *1	10.0 m x 2 cables	

\*1: For both the SR and OFC series, cable lengths of 5 m, 7.5 m, and 10 m are available as special-order products. \*2: All cables except for the AL-\* series will be upgraded and a "B" will be added to the end of the model number.

# DIGITAL CABLE



HS-LINK Cable AHDL-15

### ■ HS-LINK cable

The HS-LINK cable is a dedicated cable for Accuphase HS-LINK digital signal transmission. It can only be used with audio components equipped with an HS-LINK (RJ-45) connector. It cannot be used with any other kind of equipment.

\*Triple shielded twisted pair 8-conductor cable

Type	Model No.	Cable length
HS-LINK Cable	AHDL-15	1.5 m

\* 3.0 meter cable length (AHDL-30) available as special-order option

\* Specifications and design subject to change without notice for improvements.



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