Accuphase

enrich life through technology

GENERAL CATALOG

A-300 CLASS-A 125 W/8 Ohms MONOPHONIC POWER AMPLIFIER



The A-300 is a Class A monophonic power amplifier developed to mark Accuphase's 50-year anniversary. Power MOS-FET devices in a 20-parallel push-pull configuration in the output stage achieve 25% higher performance over conventional models for perfect constant-voltage drive with outputs of 125 watts into 8 ohms, 250 watts into 4 ohms, 500 watts into 2 ohms, and 1,000 watts into 1 ohm. The balanced input amplifier design in a fully discrete construction improves noise levels by 20%, while an S/N ratio of 130 dB introduces total silence when this is meant during playback. You'll simply forget you are listening through the best and most innovative audio reproductive equipment. A damping factor of 1,000 drives the speakers to their fullest with complete control over the counterelectromotive forces. Bridge connections also allow you to upgrade the large output monophonic amplifier to 2,000 watts into 2 ohms. With its unbelievable speaker driving capabilities, the A-300 provides a musical experience the likes of which you've never witnessed before.

GUARANTEED SPECIFICATIONS

• Rated Output: 125 W (8 ohms), 250 W (4 ohms*), 500 W (2 ohms*), 1,000 W (1 ohm*) / Bridged Connection (2 units): 500 W (8 ohms*), 1,000 W (4ohms*), 2,000 W (2 ohms*) • Frequency Response: 0.5 Hz – 160 kHz (+0, –3 dB) • Intermodulation Distortion: 0.01% or less • Damping factor: 1,000 or more (JEITA, 8-ohm load, 50 Hz) • S/N Ratio: 130 dB (GAIN: MAX), 135 (GAIN: –12 dB) (A-weighted) • Rated Input: 1.26 V

* Limited to music signals

MAIN FEATURES

• Two-way meter featuring digital indication of true power values and bar graph indication • Meter switching: OFF/ALL/dB/W • Meter range selector: AUTO/10W/100W/1000W • Hold time selector button • LINE / BALANCED input selector • Gain selector • Balanced input terminal polarity selector • Operation mode selector • Two sets of speaker outputs (simultaneous output) • Maximum dimensions: 465 (W) × 240 (H) × 515 (D) mm (18-5/16" × 9-7/16" × 20-5/16") • Mass: 46.0 kg (101.4 lbs)

• **Supplied accessory:** AC power cord (2 m (6.5"))

A-80 CLASS-A 65 W/8 Ohms STEREO POWER AMPLIFIER



The A-80 is a Class A power amplifier developed as a stereo amplifier version of our 50th anniversary A-300 model. Optimizing the 10-parallel push-pull power MOS-FETs in the output stage produces an output power of 65 W into 8 ohms, 130 W into 4 ohms, 260 W into 2 ohms, and 520 W into 1 ohm to achieve flawless constant voltage drive. Rigorous investment into cutting-edge noise reduction technologies creates a sense of presence and minute expression that rivals live performances. With a damping factor of 1,000, the speakers can be driven with full control over the counter-electromotive forces to bring out their fullest potential. Bridged connection allows for an upgrade to a monophonic power amplifier with a maximum output of 1,040 W into 2 ohms. The A-80 power amplifier perfectly fuses modern technology with the wealth of knowledge Accuphase has amassed in its pursuit of perfect sonic expression.

GUARANTEED SPECIFICATIONS

• Rated Output: 65 W / ch (8 ohms), 130 W / ch (4 ohms*), 260 W / ch (2 ohms*), 520 W / ch (1 ohm*) / Bridged Connection: 260 W (8 ohms*), 520 W (4 ohms*), 1,040 W (2 ohms*) • Frequency Response: 0.5 Hz – 160 kHz (+0, –3 dB) • Intermodulation Distortion: Less than 0.01% • Damping Factor: More than 1,000 (JEITA, 8-ohm load at 50 Hz) • Signal-to-Noise Ratio: 123 dB (GAIN: MAX), 129 dB (GAIN: –12 B) A-weighted • Input Sensitivity: 0.91 V

* Limited to music signals

MAIN FEATURES

• Power meters that show the true power value both digitally and with bar meters • Meter display selector: OFF / ALL / dB / W • Meter range selector: AUTO / 10 W / 100 W / 1,000 W • Hold time selector • LINE / BALANCED input switching • Gain selector • Polarity switching of balanced input connectors • Operation mode selector • 2 sets of speaker terminals (simultaneous output) • Maximum Dimensions: Width 465 mm (18.3") × Height 240 mm (9.4") × Depth 515 mm (20.3") • Mass: 44.6 kg (98.3 lbs)

• **Supplied accessory:** AC power cord (2 m (6.5"))

P-7500

300 W/8 Ohms
STEREO POWER AMPLIFIER



The P-7500 is our flagship Class AB stereo power amplifier offering supreme driving performance. With a power amp stage using a 10-parallel push-pull power transistor architecture, the P-7500 delivers drastically improved performance over conventional models and easily drives even the largest speakers with outputs of 300 watts into 8 ohms, 600 watts into 4 ohms, and 900 watts into 2 ohms for musical performances bursting with energy. This instrumentation amplifier features perfect gain distribution and improves noise levels by 11% over conventional models, while it boasts an S/N ratio of 130 dB to achieve incredulous expression. A damping factor of 1,000 drives the speakers to their fullest with complete control over the counterelectromotive forces. Bridge connections further allow you to upgrade the unit to a monophonic amplifier with an output of 1,800 watts into 4 ohms. The P-7500 is the ideal speaker driver, allowing you to enjoy expansive soundscapes.

GUARANTEED SPECIFICATIONS

• Rated Output: 300 W / ch (8 ohms), 600 W / ch (4 ohms*), 900 W / ch (2 ohms*) / Bridged Connection: 1,200 W (8 ohms*), 1,800 W (4 ohms*) • Frequency Response: 0.5 Hz – 160 kHz (+0, –3 dB) • Intermodulation Distortion: 0.01% or less • Damping Factor: 1,000 or more (JEITA, 8-ohm load, 50 Hz) • S/N Ratio: 130 dB (GAIN: MAX), 135 dB (GAIN: –12 dB) (A-weighted) • Rated Input: 1.95 V
* Limited to music signals

MAIN FEATURES

• Logarithmic analog power meters • Meter, hold timer (3 seconds / ∞) switch • Input selector • Gain selector • Balanced input polarity switch • Operation mode selector • Balanced inputs • Maximum dimensions: 465 (W) × 238 (H) × 515 (D) mm (18-5/16” × 9-3/8” × 20-5/16”) • Mass: 49.0 kg (108.0 lbs)

• **Supplied accessory:** AC power cord (2 m (6.5”))

A-48S

CLASS-A 50 W/8 Ohms
STEREO POWER AMPLIFIER



The A-48S class-A power amplifier delivers significant improvements to performance and sound quality through the use of state-of-the-art technologies perfected in high-performance units. A large toroidal transformer and two high capacity 68,000 µF filtering capacitors in the power supply stage combine with 6-parallel push-pull power MOS-FETs in the output stage to achieve 11% higher output than conventional models, driving a linear output power of 50 W into 8 ohms, 100 W into 4 ohms, 200 W into 2 ohms, and 400 W into 1 ohm. Rigorous investment into cutting-edge noise reduction technologies has reduced noise levels by 6% over conventional models. A damping factor of 1,000 drives even large speakers with ease. Bridge connections also allow you to upgrade the large output monophonic amplifier to 800 watts into 2 ohms. Lose yourself in the luxurious sound provided by the A-48S.

GUARANTEED SPECIFICATIONS

• Rated Output: 50 W/ch (8 ohms), 100 W/ch (4 ohms*), 200 W/ch (2 ohms*), 400 W/ch (1 ohm*) / Bridged connection: 200 W (8 ohms*), 400 W (4 ohms*), 800 W (2 ohms*) • Frequency Response: 0.5 Hz to 160,000 Hz (+0, –3 dB) • Intermodulation Distortion: 0.01% • Damping Factor: 1,000 (JEITA, 8-ohm load, 50 Hz) • Signal-to-Noise Ratio: 118 dB (GAIN: MAX), 123 dB (GAIN: –12 dB) A-weighted • Input Sensitivity: 0.80 V
* Limited to music signals

MAIN FEATURES

• Logarithmic scale analog power meters • Meter display selector: ON / OFF, Hold Time (3 sec. / ∞) • Input selector • Gain selector • Balanced input polarity selector • Operation mode selector • Balanced inputs • Maximum dimensions: 465 (W) × 211 (H) × 464 (D) mm (18.3” × 8.3” × 18.3”) • Mass 34.8 kg (76.8 lbs)

• **Supplied accessory:** AC power cord (2 m (6.5”))

P-4600

150 W/8 Ohms
STEREO POWER AMPLIFIER



The P-4600 is a Class AB stereo power amplifier that provides powerful driving performance. The 6-parallel push-pull power MOS-FETs in the output stage produce linear output power of 150 W into 8 ohms, 300 W into 4 ohms, and 450 W into 2 ohms that dwarfs conventional models and seamlessly drives even the largest speakers. This instrumentation amplifier with its ideal gain distribution achieves unheard of levels of expression through an 18% improvement in noise reduction over conventional models and a signal-to-noise ratio of 125 dB. With a damping factor of 800, the speakers can be driven with full control over the counter-electromotive forces to bring out their fullest potential. Bridged connection allows for an upgrade to a monophonic power amplifier with a maximum output of 900 W into 4 ohms. The P-4600 power amplifier extracts the complete breadth of recordings, vividly recreating the rush of live performances, and lets you enjoy the very essence of musical performances.

GUARANTEED SPECIFICATIONS

• Rated Output: 150 W / ch (8 ohms), 300 W / ch (4 ohms*), 450 W / ch (2 ohms*) / Bridged Connection: 600 W (8 ohms*), 900 W (4 ohms*) • Frequency Response: 0.5 Hz – 160 kHz (+0, –3 dB) • Intermodulation Distortion: Less than 0.01% • Damping Factor: More than 800 (JEITA, 8-ohm load at 50 Hz) • Signal-to-Noise Ratio: 125 dB (GAIN: MAX), 130 dB (GAIN: –12 B) A-weighted • Input Sensitivity: 1.38 V
* Limited to music signals

MAIN FEATURES

• Logarithmic scale analog power meters • Meter ON/OFF, hold time (3 sec. / ∞) selector • Input selector • Gain selector • Polarity switching of balanced input connectors • Operation mode selector • BALANCED input terminals • Maximum dimensions: Width 465 mm (18.3”) × Height 190 mm (7.5”) × Depth 427 mm (16.8”) • Mass: 30.0 kg (66.2 lbs)

• **Supplied accessory:** AC power cord (2 m (6.5”))

C-3900S PRECISION STEREO PREAMPLIFIER



The C-3900S preamplifier has emerged from our pursuit of the perfect balance of functionality, operability, design, performance, and sound quality. The volume control circuits are an extremely critical component of a preamplifier. Accuphase addressed the issue of variable resistance with our original AAVA technology, which evolved into Balanced AAVA and later Dual Balanced AAVA. The Dual Balanced AAVA with ANCC installed in the C-3900S represents the most cutting edge volume control circuitry ever. Furthermore, the volume sensor mechanism achieves smooth operation, a satisfying tactile feel, and precise position detection. Together with these impressive features, a 5-stage loudness compensator and detailed left/right balance adjustment with increased adjustment steps add additional appeal. Additionally, connecting the C-3900S with the C-57 Stereo Phono Amplifier enables playback of analog records. The C-3900S is a top-tier preamplifier that breathes life into deeply moving musical performances.

GUARANTEED SPECIFICATIONS

• THD: 0.005% or less (20 to 20,000 Hz) • Frequency Response: 3 Hz to 200,000 Hz (+0, –3.0 dB) • Rated Input: 252 mV • Rated Output: 2 V • S/N Ratio: 118 dB • Gain: 12/18/24 dB • Loudness Compensator: +2 dB/+3 dB/+4 dB/+5.25 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 • Maximum dimensions: 477 (W) × 156 (H) × 412 (D) mm (18-3/4” × 6-1/8” × 16-1/4”) • Mass: 25.3 kg (55.8 lbs)

• Supplied accessories: AC power cord (2 m (6.5”)) / Audio cable with plugs ASL-10B (1 m (3.2”)) / Remote Commander RC-260

C-2900 PRECISION STEREO PREAMPLIFIER



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

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 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 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 • Maximum dimensions: 477 (W) × 156 (H) × 412 (D) mm (18-3/4” × 6-1/8” × 16-1/4”) • Mass: 24.2 kg (53.4 lbs) (with AD-2900 installed: 25.1 kg (55.3 lbs)

• **Supplied accessories:** AC power cord (2 m (6.5”)) / Audio cable with plugs **ASL-10B** (1 m (3.2”)) / Remote Commander **RC-250**

C-2300 PRECISION STEREO CONTROL CENTER



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

The C-2300 incorporates the same Balanced AAVA volume control circuits used in the high-end C-2900 for fully balanced circuits from input to output. The circuitry uses discrete components with separation of the left and right channels to suppress electrical interference. Advances such as optimizing the gain distribution has reduced the noise level in the C-2300 by approximately 10% over the C-2450. 4-band tone control enables adjustments of the low midrange (500 Hz) and the upper midrange (2 kHz) in addition to the upper and lower ranges to create your desired tonal balance. Two option board slots for the AD-60 analog disc input board and the DAC-60 digital input board support a wide range of sound sources. The C-2300 was developed by supplementing the circuit technology used in the C-2900 with new features to allow you to enjoy your favorite music to the fullest.

GUARANTEED SPECIFICATIONS (with AD-60 installed)

• THD: Less than 0.005% (20 – 20,000 Hz) • Frequency response: 3 Hz – 200 kHz (+0, –3 dB) • Rated input: BALANCED / LINE 252 mV, AD (MC): 0.126 mV, AD (MM): 2.5 mV • Rated output: 2 V • S/N ratio: BALANCED / LINE INPUT: 111 dB, AD (MC): 68 dB, AD (MM): 80 dB • Gain: 12 dB/18 dB/24 dB • Loudness compensator: +6.0 dB (100 Hz) • Headphone output level: 2 V (40 ohms)

MAIN FEATURES

• Output selector • Phase selector • Attenuator • Loudness compensator • Gain selector • Balance control • Volume level display • Display on/off button • Balanced inputs and outputs • Recorder terminals • External preamplifier inputs • Headphone jack • 4-band tone control (40 Hz/125 Hz, 500 Hz, 2 kHz, 8 kHz/20 kHz) • When DAC-60 is installed: DAC input selection, sampling frequency display • When AD-60 is installed: MC/MM selection, subsonic filter ON/OFF selection, MC impedance selection • Maximum dimensions: 465 (W) × 150 (H) × 405 (D) mm (18-5/16” × 5-29/32” × 15-15/16”) • Mass: 19.3 kg (42.8 lbs)

• **Supplied accessories:** AC power cord (2 m (6.5”)) / Audio cable with plugs **AL-10** (1 m (3.2”)) / Remote Commander **RC-250**

Phono equalizer unit for use with C-2900 AD-2900



The AD-2900 is a dedicated phono equalizer unit for the rear expansion slot in the C-2900 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.

DP-1000 PRECISION SUPER AUDIO CD TRANSPORT



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 • 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 (2 m (6.5")) / HS-LINK cable **AHDL-15** (1.5 m (4.9")) / Remote commander **RC-140**

DC-1000 PRECISION MDSD DIGITAL PROCESSOR



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 8MDSD (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. 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 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] 8MDSD, [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 • 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 (2 m (6.5")) / Audio cable with plugs **ASL-10B** (1 m (3.2")) / USB Utility 3 CD

DC-500 PRECISION MDSD DIGITAL PROCESSOR



As the avenues available to enjoy music have diversified in recent years, the D/A converter has taken on an increasingly important role. The DC-500 digital processor was developed by relying on technology from the DC-1000. By driving 8 parallel channels featuring low-noise, low-distortion ANCC technology, this D/A converter faithfully transforms sound sources into analog signals. Its 6 digital inputs – including two USB inputs – enable playback from a wide range of music sources. The DC-500 delivers astonishing musical experiences that will move your soul.

GUARANTEED SPECIFICATIONS

• Frequency response: 0.5 Hz to 50 kHz (+0, -3 dB) • Total harmonic distortion + Noise: 0.0004 % (20 to 20,000 Hz) • Signal-to-noise ratio: 121 dB • Dynamic range: 119 dB • Channel separation: 118 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, 22.5 MHz (11.2 MHz or less for DoP);【PCM】44.1 to 384 kHz/32 bit, OPTICAL: 32 to 96 kHz/24 bit, COAXIAL: 32 to 192 kHz/24 bit • D/A conversion:【DSD】8MDSD,【PCM】8MDS++ • Output voltage: 2.5 V (BALANCED, LINE)

MAIN FEATURES

• Digital inputs: HS-LINK, USB, OPTICAL, COAXIAL • Analog outputs: BALANCED, LINE • Balanced output phase selector • Sampling frequencies display • No. of quantization bits display • Output level adjustment • Maximum dimensions: 465 (W) × 114 (H) × 386 (D) mm (18.3" × 4.5" × 15.2") • Mass: 15.6 kg (34.4 lbs)

• **Supplied accessories:** AC power cord, 2 m (6.5') / Audio cable with plugs **ASL-10B**, 1 m (3.3') / USB Driver 4 CD

C-57 STEREO PHONO AMPLIFIER



The C-57 is a fully balanced phono equalizer that effectively protects against external noise. The combination of a high precision equalizer amplifier and a dedicated MC/MM head amplifier fully optimized for the cartridge characteristics creates a highly accurate phono equalizer. The MC head amplifier uses a new ANCC to further improve noise performance. The C-57 combines only the best technological advances to extract the full potential of analog discs.

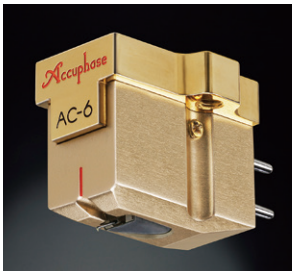
GUARANTEED SPECIFICATIONS (with normal gain setting)

• RIAA Deviation: 10 Hz - 20,000 Hz, MC ±0.3 dB, MM ±0.3 dB • THD: 0.005% or less (1 kHz, at rated output) • Input Sensitivity: MC 1.26 mV, MM 40 mV (1 kHz, at rated output) • Maximum Input Voltage: MC 5.7 mV, MM 180 mV (1 kHz, THD 0.005%) • Input Impedance: MC – 10 ohms, 30 ohms, 60 ohms, 100 ohms, 200 ohms, 300 ohms, 1 kilohm; MM – 1 kilohm, 47 kilohms, 100 kilohms • Gain: Normal – MC 64 dB, MM 34 dB; High – MC 70 dB, MM 40 dB • Subsonic Filter: –12 dB/octave, 10 Hz • Rated Output Voltage / Output Impedance: 2 V, 50 ohms • S/N Ratio: MC 98 dB, MM 108 dB (at rated output)

MAIN FEATURES

• Input selector • MC/MM switching • Load impedance selector • GAIN selector • Subsonic filter • One dedicated balanced MC phono input • Three sets of regular phono inputs • Balanced output connectors • Polarity selector for balanced output • Maximum dimensions: 465 (W) × 114 (H) × 407 (D) mm (18-5/16" × 4-4/16" × 16-1/32") • Mass: 14.8 kg (32.6 lbs))

• **Supplied accessories:** AC power cord (2 m (6.5")) / Audio cable with plugs **ASL-10B** (1 m (3.2"))



AC-6 MC Type Phono Cartridge

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 craftspersons. 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 × 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 × 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 (0.48 ounce)

DP-770/DP-570S

SUPER AUDIO CD PLAYER



DP-770



DP-570S

The DP-770 and DP-570S each integrate the expertise developed from separate units into one integrated SA-CD/CD player unit. The high-rigidity, high-precision SA-CD/CD drive combined with a silent and elegant disc loading mechanism accurately reads the disc information. Innovative converter technology with parallel drive configuration (DP-770: MDSD, DP-570S: 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-770	DP-570S
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)	2.8 MHz, 5.6 MHz, 11.2 MHz, 22.5 MHz (max. 11.2 MHz for DoP)
		PCM (32-bit)	44.1 to 384 kHz	
	OPTICAL	PCM (24-bit)	32 to 96 kHz	
	COAXIAL	PCM (24-bit)	32 to 192 kHz	
D/A converter		DSD	8 MDSD	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 dB)	
THD + Noise (20 to 20,000 Hz)			0.0004 %	0.0006 %
S/N ratio			121 dB	121 dB
Dynamic range			119 dB	117 dB
Channel separation (20 to 20,000 Hz)			118 dB	117 dB
Output voltage			2.5 V (Balanced/Line)	

MAIN FEATURES

	DP-770	DP-570S
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	• SA-CD/CD selector button • Input selector button • Disc tray open/close button • Play button • Pause button • Track search buttons • Stop button	
External design	Wood grain cabinet	Aluminum top plate with hairline finish / Aluminum side panels with high-gloss coating
Maximum dimensions Width × Height × Depth	477 × 156 × 395 mm 18-3/4" × 6-1/8" × 15-35/64"	465 × 151 × 393 mm 18-5/16" × 5-15/16" × 15-1/2"
Mass	28.5 kg (62.9 lbs)	18.4 kg (40.6 lbs)

SUPPLIED ACCESSORIES

	DP-770	DP-570S
AC power cord (2 m (6.5"))	Yes	
Audio cable with plugs (1 m (3.2"))	ASL-10B	AL-10
Remote commander	RC-140	RC-150
	External input switching, output level control, direct play, repeat, etc.	
PC software for installation	USB Utility 3	USB Driver 4

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 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 • 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 (2 m (6.5")) / Audio cable with plugs **AL-10** (1 m (3.2")) / Remote commander **RC-140** / USB utility 3 CD

T-1300

DDS FM STEREO TUNER



FM broadcasts carry everything from classic hits to the newest music, providing a source of enrichment and relaxation. The T-1300 is an FM tuner equipped with the most cutting-edge technologies, such as a double-tuned front end to handle high level interference signals, an incredibly accurate DDS (Direct Digital Synthesis) circuit, an intermediate frequency (IF) that demonstrates its full potential during reception interference, a multipath reduction (MPR) function that minimizes reflections, a digital FM demodulator to minimize distortion and noise, and a two-channel MDS type D/A converter. With significant improvements to actual sensitivity and S/N ratio, the T-1300 provides the perfect receptacle for the future evolution of FM radio broadcasts.

GUARANTEED SPECIFICATIONS

• Reception frequency range: 87.5 to 108.0 MHz • IHF Sensitivity: 5 dBμV (mono), 18 dBμV (stereo) • S/N Ratio: 94 dB (mono), 78 dB (stereo) • THD (1 kHz): 0.02% (mono), 0.04% (stereo) • Stereo Separation (1 kHz): 65 dB • Digital Output Sampling Frequency: 48 kHz/24-bit

MAIN FEATURES

• 20 station memory • Pulse tuning system • Muting on/off • Mode selector (Stereo/Blend/Monaural) • Signal strength selector • Multipath reduction on/off • Meter function selector (Signal strength/Multipath) • IF bandwidth selector knob • Analog outputs (LINE/BALANCED) • Digital output connector (COAXIAL) • Balanced output phase selector switch • Maximum dimensions: 465 (W) × 151 (H) × 406 (D) mm (18-5/16" × 5-15/16" × 16") • Mass: 13.1 kg (28.9 lbs)

• **Supplied accessories:** AC power cord (2 m (6.5")) / Audio cable with plugs **AL-10** (1 m (3.2")) / Remote Commander **RC-440**

E-800S

CLASS-A 50 W/8 Ohms INTEGRATED STEREO AMPLIFIER



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

The E-800S is Accuphase's flagship integrated stereo amplifier packed with our accumulated expertise on amplifier craftsmanship. The preamplifier section uses a Balanced AAVA volume control. The power amplification stage incorporates balanced circuits through the instrumentation amplifier principle as well as a six-fold parallel push-pull configuration using power MOS-FETs driven in Class A to achieve a robust linear output (50 W into 8 ohms, 100 W into 4 ohms, 200 W into 2 ohms) and high power performance of 300 W into 1 ohm. A damping factor of 1,000 easily highlights the character of any speaker. Enjoy blissful listening in a space filled with pure music.

GUARANTEED SPECIFICATIONS (with AD-60 installed)

• Rated Output: 50 W/ch (8 ohms, both channels driven, 20 – 20,000 Hz, THD 0.05%) • Frequency Response (at 1 W output): 3 to 150,000 Hz (+0, –3 dB) • Damping Factor: 1,000 (JEITA, 8-ohm load, 50 Hz) • Input Sensitivity: 100 mV (BALANCED, LINE), 796 mV (MAIN IN), 0.126 mV (AD MC), 2.5 mV (AD MM) • Signal-to-Noise Ratio: 105 dB (BALANCED), 105 dB (LINE), 120 dB (MAIN IN)

MAIN FEATURES

• Phase selector • Volume level display • Tone controls • Loudness compensator • Speaker selector • Separated pre- and power-amplifier sections • Display mode selector • Balanced inputs • Recorder inputs • Two sets of speaker terminals • Maximum dimensions: 465 (W) × 239 (H) × 502 (D) mm (18-5/16" × 9-13/32" × 19-49/64") • Mass 35.7 kg (78.7 lbs)

• **Supplied accessories:** AC power cord (2 m (6.5")) / Remote commander **RC-250**

E-700

CLASS-A 35 W/8 Ohms INTEGRATED STEREO AMPLIFIER



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

The E-700 is a Class A integrated amplifier with a fully balanced configuration. The volume control circuit utilizes Balanced AAVA to control volume without sacrificing the vitality of performances. The power amplification stage features an instrumentation amplifier and four-fold parallel push-pull power MOS-FETs to supply a robust linear power output (35 watts into 8 ohms, 70 watts into 4 ohms, 140 watts into 2 ohms) and 160 watts at 1-ohm load (music signals). Balanced remote sensing and MOS-FET switches result in an impressive damping factor of 1,000. Born from our a quest for perfection, the E-700 extracts the full potential of any speaker to deliver sound overflowing with musicality.

GUARANTEED SPECIFICATIONS (with AD-60 installed)

• Rated Output: 35 W/ch (8 ohms, both channels driven, 20 - 20,000 Hz, THD 0.05%) • Frequency Response (at 1 W output): 3 to 150,000 Hz (+0, –3 dB) • Damping Factor: 1,000 (JEITA, 8-ohm load, 50 Hz) • Input Sensitivity: 83.9 mV (BALANCED, LINE), 666 mV (MAIN IN), 0.126 mV (AD MC), 2.5 mV (AD MM) • S/N Ratio: 103 dB (BALANCED), 103 dB (LINE), 117 dB (MAIN IN)

MAIN FEATURES

• Phase selector • Volume level display • Tone controls • Loudness compensator • Speaker selector • Separated pre- and power-amplifier sections • Display mode selector • Balanced inputs • Recorder inputs • Two sets of speaker terminals • Maximum dimensions: 465 (W) × 191 (H) × 428 (D) mm (18-5/16" × 7-1/2" × 16-29/32") • Mass: 24.9 kg (54.9 lbs)

• **Supplied accessories:** AC power cord (2 m (6.5")) / Remote commander **RC-250**

PS-1250/PS-550

CLEAN POWER SUPPLY



PS-1250



PS-550

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-1250 can supply up to 900 VA and the PS-550 up to 400 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. Input/output waveform display is also available.

GUARANTEED SPECIFICATIONS

	PS-1250		PS-550	
	120 V version	230 V version	120 V version	230 V version
Rated output capacity (continuous)	900 VA		400 VA	
Rated output voltage	120 V AC ±1.5 V	230 V AC ±3.0 V	120 V AC ±1.5 V	230 V AC ±3.0 V
Rated output current	7.5 A	3.9 A	3.4 A	1.8 A
Output frequency	50 Hz or 60 Hz (identical to input frequency)			
Output waveform THD	0.08% or less			
Rated input voltage	120 V AC ±10 %	230 V AC ±10 %	120 V AC ±10 %	230 V AC ±10 %
Input frequency	50 Hz or 60 Hz			
AC connectors	8	8	8	6
Maximum dimensions Width × Height × Depth	465 × 243 × 499 mm 18-5/16" × 9-9/16" × 19-41/64"		465 × 181 × 385 mm 18-5/16" × 7-1/8" × 15-5/32"	465 × 181 × 396 mm 18-5/16" × 7-1/8" × 15-19/32"
Mass	42.1 kg (92.9 lbs)	41.3 kg (91.1 lbs)	24.4 kg (53.8 lbs)	24.0 kg (53.0 lbs)

MAIN FEATURES

• Power switch circuit protector • Optional monitoring to track output power, input/output voltage, input/output distortion, and input/output waveform

• **Supplied accessory:** AC power cord (2 m (6.5"))

E-5000

240 W/8 Ohms INTEGRATED STEREO AMPLIFIER



◆ Number of option board slots: 2
◆ Compatible option boards:
DAC-60, AD-60, 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-60 installed)

• Rated Output: 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 • Maximum dimensions: 465 (W) × 211 (H) × 502 (D) mm (18-8/16" × 8-15/16" × 16-3/4") • Mass: 33.8 kg (74.5 lbs)

• **Supplied accessories:** AC power cord (2 m (6.5")) / Remote commander **RC-250**

E-4000

180 W/8 Ohms INTEGRATED STEREO AMPLIFIER



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

The E-4000 integrated amplifier builds on the famed E-5000. The pre-amplifier section is equipped with a low-noise AAVA volume control that utilizes ANCC to control the volume with an incredibly vivid soundscape. The power amplifier section adopts an instrumentation amplifier to achieve balanced signal paths for the best possible noise performance. An extremely mighty power supply and a power amp section with power transistors in a four-fold push-pull arrangement driven in Class AB achieves impressive output power. The reduced output impedance of the balanced remote sensing feature achieves a damping factor of just 800. The E-4000 extracts the full potential of any speaker to reproduce sound overflowing with energy and vividness.

GUARANTEED SPECIFICATIONS (with AD-60 installed)

• Rated Output: 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 dB) • Damping Factor: 800 (JEITA, 8-ohm load, 50 Hz) • Input Sensitivity: 190 mV (BALANCED, LINE), 1.51 V (MAIN IN), 0.126 mV (AD MC), 2.5 mV (AD MM) • S/N Ratio: 102 dB (BALANCED), 109 dB (LINE), 125 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 • Maximum dimensions: 465 (W) × 181 (H) × 428 (D) mm (18-4/16" × 7-1/8" × 16-7/8") • Mass: 24.9 kg (54.9 lbs)

• **Supplied accessories:** AC power cord (2 m (6.5")) / Remote commander **RC-250**

E-3000

100 W/8 Ohms INTEGRATED STEREO AMPLIFIER



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

The E-3000 integrated stereo amplifier emerged from the path forged by the technologies used in high-end equipment. Among this amplifier's constituent elements, the vitally important volume control circuits incorporate AAVA that employs the ANCC principle. The power amplifier section utilizes the instrumentation amplifier principle to produce balanced signals while simultaneously creating a robust output stage through three-fold parallel push-pull power transistors driven in class AB and capable of 100 W output into 8 ohms or 150 W into 4 ohms. It also achieves a damping factor of 600 to better control speaker movement. The E-3000 delivers a complete experience of superior music reproduction.

GUARANTEED SPECIFICATIONS (with AD-60 installed)

• Rated Output: 100 W/ch (8 ohms, both channels driven, 20 – 20,000 Hz, THD 0.05%) • Frequency Response (at 1 W output): 3 to 150,000 Hz (0, –3 dB) • Damping factor: 600 (JEITA, 8-ohm load, 50 Hz) • Input Sensitivity: 142 mV (BALANCED, LINE), 1.13 V (MAIN IN), 0.126 mV (AD MC), 2.5 mV (AD MM) • S/N Ratio: 96 dB (BALANCED), 107 dB (LINE), 122 dB (MAIN IN)

MAIN FEATURES

• Phase selector • Volume level display • Tone controls • Loudness compensator • Speaker selector • Separated pre- and power-amplifier sections • Display mode selector • Balanced inputs • Recorder inputs • Two sets of speaker terminals • Maximum dimensions: 465 (W) × 161 (H) × 422 (D) mm (18-5/16" × 6-5/16" × 16-19/32") • Mass: 23.1 kg (50.9 lbs)

• **Supplied accessories:** AC power cord (2 m (6.5")) / Remote Commander **RC-260**

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 (6.5") 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-2300, C-2150, C-2120, C-2110, C-2000, C-245 (*), CX-260 (*), E-800S, E-800, E-700, E-650, E-600, E-560, E-550, E-530, E-5000, E-4000, E-3000, 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-60



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 30/100/200/300 Ω
MM: Gain 40 dB, Impedance 47 kΩ
• Compatible models:
C-2300, C-2150, C-2120, C-2110, C-2000, C-245, CX-260, C-265, E-800S, E-800, E-700, E-650, E-600, E-560, E-550, E-530, E-5000, E-4000, E-3000, 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-2300, C-2150, C-2120, C-2110, C-2000, C-245, CX-260, C-265, E-800S, E-800, E-700, E-650, E-600, E-560 E-550, E-530, E-5000, E-4000, E-3000, 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

DG-78 DIGITAL VOICING EQUALIZER



The DG-78 is the sixth-generation Digital Voicing Equalizer designed using our ultra-advanced digital technology. Simple operations allow for quick reductions to differences between left and right characteristics, which greatly affect sound field reproduction. Furthermore, a stylus pen and high-definition, high-resolution IPS LCD panel enable you to draw your desired sound field reproduction curve. This freedom to control the sound field and tonal quality ensures that the DG-78 creates only the highest quality music reproduction.

GUARANTEED SPECIFICATIONS

• Voicing: 1/6 octave, 67 bands (Adjustment range ±12 dB) • Equalizer: 1/6 octave, 80 bands (Adjustment range ±12 dB) • Spectrum analyzer: 1/3 octave, 35 bands, real-time analyzer • Gain: +12 to -90 dB, variable • Frequency response: 0.5 Hz to 50 kHz (+0, -3 dB) • Maximum analog input: 1.78 V (at GAIN 0 dB)

MAIN FEATURES

• Cursor/Enter buttons • Voicing ON/OFF button • Equalizer ON/OFF button • Memory button • Input selector button • HOME button • Microphone input jack • Analog inputs/outputs: LINE/BALANCED • Digital inputs/outputs: HS-LINK/OPTICAL/COAXIAL • USB port: To connect USB memory drives • Maximum dimensions: 465 (W) × 161 (H) × 397 (D) mm (18.3" × 6.3" × 15.6") • Mass: 15.0 kg (33.1 lbs)

• **Supplied accessories:** Stylus pen / Microphone **AM-68** / Microphone cable, 5 m (16.4') / Microphone holder / AC power cord, 2 m (6.5') / Audio cable with plugs **ASL-10B**, 1 m (3.3') / Remote Commander **RC-340**

DF-75 DIGITAL FREQUENCY DIVIDING NETWORK



The DF-75 Digital Frequency Dividing Network can support 4-way multi-amplifier system setups. The high-speed 64-bit floating point DSP allows for optimal filtering. Cutoff frequency points have been expanded dramatically from 59 to 3101, accommodating a variety of performance demands. The network also achieves a steep 96 dB/octave attenuation slope. Beyond that, the time delay function allows for time alignment in 0.5-cm steps while a delay compensator automatically corrects signal delays in the filter circuits. Each divider unit can also be configured in a monophonic setting.

Selectable cutoff frequency points

Cutoff frequencies (Hz)	Frequency steps (Hz)
10.0, 10.1, ..., 99.9	0.1
100, 101, ..., 999	1
1000, 1010, ..., 9990	10
10.0 k, 10.1 k, ..., 50.0 k	0.1 k

GUARANTEED SPECIFICATIONS AND MAIN FEATURES

Analog inputs (one set of BALANCED and LINE each)		A/D converter: 4 parallel Delta Sigma modulation 176.4 kHz (32-bit PCM)/352.8 kHz (32-bit PCM)
Digital inputs	HS-LINK	Ver. 2: 32 kHz to 384 kHz Ver. 1: 32 kHz to 192 kHz
	COAXIAL	32 kHz to 192 kHz
	OPTICAL	32 kHz to 96 kHz
Analog outputs (one set of BALANCED and LINE each)		Output voltage: 2.5 V Output impedance: 50 ohms STEREO: 4MDS+, MONO: 8MDS+
Digital output		HS-LINK (using two connected DF-75 units)
Number of channels		4-Way (unused channels can be set to OFF)

Slope characteristics (dB/octave)	6, 12, 18, 24, 48*1, 96*2 *1: Cutoff frequencies cannot be set between 10.0 Hz and 19.9 Hz. *2: Cutoff frequencies cannot be set between 10.0 Hz and 31.4 Hz.
Delay (converted into distance)	-3,000 cm 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/Normal, Reverse/Reverse, Normal/Reverse, Reverse/Normal
Memory (Save/Recall)	For 4 channels together, 5 types
Character display	8 characters (preset names or select from 97 characters)

Output modes		STEREO, MONO L+R, MONO L, MONO R
Frequency response		2.0 to 50,000 Hz (+0, –3 dB)
THD + Noise		0.0006 % (20 to 20,000 Hz)
S/N ratio	Digital inputs	STEREO: 121 dB, MONO: 123 dB
	Analog inputs	STEREO: 117 dB, MONO: 118 dB
Channel separation		110 dB (20 to 20,000 Hz)
Maximum dimensions		465 (W) × 151 (H) × 396 (D) mm (18-5/16" × 5-29/32 × 15-19/32")
Mass		15.1 kg (33.3 lbs)

• **Supplied accessory**: AC power cord (2 m (6.5"))

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.

SR Series < 8-core multi-hybrid construction >



ASL-15B with phono plugs

ASLC-15B with XLR connectors

• Type: 8-core multi-hybrid design • Center conductors: high-purity copper wire (7N) + 3 types of copper wire • Shield conductors: 192 annealed copper wires • Dielectric: Polyethylene • Jacket: Dark brown PVC, 8.7 mm dia. • Total DC loop resistance: 9 Mohm/m • Capacitance between two center conductors: 187.5 pF/m • Inductance: 0.51 51 µH/m

OFC Series < Dual core construction >



AL-15 with phono plugs

ALC-15B with XLR connectors

• Type: Dual core design • Center Conductors: Oxygen-free copper wire + silver-plated soft copper wire • Shield Conductors: 192 oxygen-free copper wires • Dielectric: Polyethylene + foamed polyethylene • Jacket: Blue PVC, 8.0 mm dia. • Total DC Loop Resistance: 19 Mohm/m • Capacitance between two center conductors: 92.4 pF/m • Inductance: 0.68 µH/m

■ ASL/AL type

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

■ ASLC/ALC type

For balanced transmissions
Includes XLR type connectors with gold-plated terminals with low contact resistance and superior corrosion resistance

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

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

* For both the SR and OFC series, cable lengths of 5 m, 7.5 m, and 10 m are available as special-order products.

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 (4.9")

• 3 meter (9.8") cable length (AHDL-30) available as special-order option

✳ Specifications and design subject to change without notice for improvements.

Accuphase

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YOKOHAMA, JAPAN

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