

A-200 CLASS-A 100 W/8 Ohms MONOPHONIC POWER AMPLIFIER



Eminently capable pure Class A monophonic power amplifier with power MOS-FET technology — Realizing ideal speaker drive characteristics, the A-200 features two separate but completely identical power amplifier circuits driven in parallel, a damping factor of 1,000, and semiconductor (MOS-FET) switches instead of output relays to eliminate mechanical contact points. In the input stage, the ultra-low-noise double instrumentation amplifier configuration enables fully balanced signal transmission, augmented by double MCS+ circuit and current feedback topology for minimal distortion and outstanding performance parameters. The result is astounding S/N ratio and ultra-refined sound quality. The massive power supply with a large high-efficiency toroidal transformer and plenty of filtering capacity supports an output stage with MOS-FETs in a 20-parallel push-pull configuration that realizes constant-voltage speaker drive. Printed circuit boards made from glass cloth fluorocarbon resin with low dielectric constant and minimum loss, and gold-plating of major signal-carrying parts further enhance sonic purity. Bridged operation allows use of two A-200 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
- S/N ratio: 126 dB (GAIN: MAX), 132 dB (GAIN:-12dB) (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: 10W/100W/1000W
- Hold time selector button
- Input selector
- Gain selector
- 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

A-65 CLASS-A 60 W/ch STEREO POWER AMPLIFIER



The sound produced by combining pure class A operation with power MOS-FET devices is the dream of many audiophiles. The A-65 employs the instrumentation amplifier principle to allow fully balanced input signal paths. Further refined MCS+ topology keeps noise at an absolute minimum, and strict selection of high-grade parts and materials elevates performance and sound quality to an even higher level. The overall result is a superb high-end class A stereo amplifier with plenty of power. In the output stage, power MOS-FET devices renowned for their excellent frequency response, high input impedance, reliability, and sonic purity are arranged in a ten-parallel push-pull configuration for each channel and driven in pure class A. The power supply with massive toroidal transformer assures linear power progression down to ultra-low 1-ohm impedances. Bridged mode allows upgrading to a monophonic amplifier with even higher power reserves. Dual mode power meters show true power values as a digital readout or a bar graph.

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: 400
- S/N ratio: 115 dB or better (A weighted)
- Input sensitivity: 0.87 V

MAIN FEATURES

- Dual mode power meters show true power digital readout or bar graph
- Meter off/watt range/bar graph selector
- Gain selector
- Hold time selector button
- Input selector button
- Mode switch
- Balanced inputs
- Maximum dimensions: 465 (W) x 238 (H) x 515 (D) mm (18-5/16" x 9-3/8" x 20-1/4")
- Mass: 43.0 kg

A-46 CLASS-A 45 W/ch STEREO POWER AMPLIFIER



Pure class A power amplifier with power MOS-FETs delivers 45 watts per channel --- Positioned in the middle of Accuphase's highly acclaimed Pure Class A series, between the A-65 and the A-35 models, the A-46 with its distinctive external heat sinks inherits all the design technology advantages of the series and boasts sound quality that has been honed to perfection. The instrumentation amplifier principle allows fully balanced signal transmission throughout the amplifier stages, and further improved MCS+ topology together with the renowned current feedback topology result in further improved S/N ratio, minimal distortion, and superb performance in all other regards. Instead of output relays, the A-46 employs semiconductor (MOS-FET) switches without mechanical contacts for speaker protection. This assures long-term reliability and improved signal purity. Robust power supply and 6-parallel push-pull arrangement of power MOS-FETs drive even 1-ohm loads with 360 watts per channel (music signal). Bridged connection creates a more powerful monophonic amplifier with dramatic impact.

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: continuous output 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: 500
- S/N ratio: 115 dB or better (A weighted)
- Input sensitivity: 0.76 V

MAIN FEATURES

- Logarithmic compression type analog power meters
- Gain selector
- Input selector button
- Meter ON/OFF and sensitivity selector
- Speaker selector buttons
- Mode switch
- Balanced inputs
- Balanced input phase selector switch
- Maximum dimensions: 465 (W) x 211 (H) x 464 (D) mm (18-5/16" x 8-5/16" x 18-1/4")
- Mass: 31.9 kg

A-35 CLASS-A 30 W/ch STEREO POWER AMPLIFIER



In a pure class A amplifier, the current flow is always constant, regardless of the presence of a musical signal. This concept has been embraced by audiophiles because it results in excellent stability and outstanding sonic definition. In the quest for optimum sound, the A-35 employs power MOS-FET devices in a triple parallel push-pull configuration in each channel. The instrumentation amplifier principle allows fully balanced signal paths in the input stage, and further refined MCS+ topology keeps noise at an absolute minimum. The result is an entry-level pure class A amplifier that truly delivers. The strong power supply with large transformer sustains 150 watts per channel into ultra-low impedance 1-ohm loads (with music signals). Bridged mode turns the A-35 into a superlative monophonic power amplifier, and two A-35 units can also be used for bi-amping, which elicits the best sound quality from suitable speakers. The 4-step gain control allows output matching to high-efficiency speakers, with significantly reduced residual noise.

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: 200
- S/N ratio: 111 dB or better (A weighted)
- Input sensitivity: 0.57 V

MAIN FEATURES

- Logarithmic compression type analog power meters
- Gain selector
- Input selector button
- Meter off/sensitivity selector
- Mode switch
- Balanced inputs
- Maximum dimensions: 465 (W) x 170 (H) x 425 (D) mm (18-5/16" x 6-11/16" x 16-3/4")
- Mass: 22.8 kg

M-6000 1,200 W/1 Ohm MONOPHONIC POWER AMPLIFIER



1,200 W/1 Ohm monophonic power amplifier with power MOS-FET devices — Two separate but completely identical power amplifier circuits are mounted on the left and right sides of the chassis and driven in parallel. The result is a power amplifier with extremely low output impedance and ideal speaker drive characteristics. Latest instrumentation amplifier technology in dual configuration enables fully balanced signal paths. Double MCS+ and current feedback topology in amplifier circuits ensure impeccable sound quality, outstanding S/N ratio, and minimal distortion. Massive power supply with large high-efficiency 900 VA toroidal transformer and plenty of filtering capacity. Output stage employs power MOS-FETs in a 16-parallel push-pull configuration that realizes constant-voltage speaker drive. Printed circuit boards with fluoropolymer glass fabric substrate featuring low dielectric constant and minimum loss, and gold-plating of major signal-carrying parts further enhance sonic purity. Bridged operation allows use of two M-6000 units as a monophonic amplifier with even more power, capable of delivering 2,400 watts into 2 ohms.

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 - 150 kHz +0, -3.0 dB
- Intermodulation distortion: 0.01% or less
- Damping factor: 500
- S/N ratio: 120 dB or better (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)
- Gain selector
- Input selector button
- Phase selector
- Balanced input
- Maximum dimensions: 465 (W) x 220 (H) x 500 (D) mm (18-5/16" x 8-11/16" x 19-11/16")
- Mass: 38.5 kg

P-7100 1,000 W/1 Ohm STEREO POWER AMPLIFIER



Inheriting the design policy of the models M-8000 and P-7000, this stereo power amplifier is capable of delivering an amazing 1000 watts per channel into ultra-low impedance loads of one ohm. The amplifier circuitry employs the instrumentation amplifier principle with fully balanced signal transmission. Circuit boards with fluoropolymer glass fabric substrate featuring extremely low dielectric constant and low loss assure pure signal transmission. Further improved MCS+ topology and current feedback design result in even better S/N ratio, distortion, and other performance parameters for outstanding electrical characteristics as well as sound quality. Each channel features 11 wideband power transistors arranged in a parallel push-pull configuration. Together with the large 1.5 kVA toroidal power transformer, this assures linear power progression down to extremely low 1-ohm loads. Bridged mode allows upgrading to a monophonic amplifier with 2000 watts into 2 ohms.

GUARANTEED SPECIFICATIONS

- Continuous average output power per channel: 125 watts (8 ohms), 250 watts (4 ohms), 500 watts (2 ohms), 1,000 watts (1 ohm, music signal) / Bridged operation: 500 watts (8 ohms), 1,000 watts (4 ohms), 2,000 watts (2 ohms, music signal)
- Frequency response: 0.5 Hz - 160 kHz +0, -3.0 dB
- Intermodulation distortion: 0.01% or less
- Damping factor: 300
- S/N ratio: 122 dB or better (A weighted)
- Rated input: 1.26 V

MAIN FEATURES

- Logarithmic compression type analog power meters
- Meter ON/OFF switch
- Mode switch
- Input selector button
- Gain selector
- Balanced inputs
- Maximum dimensions: 465 (W) x 258 (H) x 545 (D) mm (18-5/16" x 10-3/16" x 21-7/16")
- Mass: 49.0 kg

P-6100 700 W/1 Ohm STEREO POWER AMPLIFIER



The high-end stereo power amplifier P-6100 is a stereo version of the Class AB Monophonic Power Amplifier M-6000 using power MOS-FETs in the output stage. Benefiting from the outstanding design technology of its predecessor, the P-6100 features instrumentation amplifier topology for fully balanced signal paths, as well as a further refined MCS+ circuit and the current feedback principle to minimize noise. Printed circuit boards made from glass fluorocarbon resin with low dielectric constant and low loss, as well as specially selected top-grade materials and parts are used throughout. The output stage employs an 8-parallel push-pull arrangement of high-power MOS-FET devices renowned for their great sound and utter reliability. Massive heat sinks on both sides of the chassis achieve efficient dissipation of thermal energy. Together with the high-efficiency toroidal transformer housed in an aluminum enclosure with heat dissipation fins and the two large 56,000 µF filtering capacitors, the power supply allows the amplifier to deliver an amazing 700 watts of power per channel into an ultra-low impedance load of 1 ohm (music signals). Using the P-6100 in bridged mode creates a monophonic amplifier with even more impressive power capability, rated for 1400 watts into 2 ohms (music signals).

GUARANTEED SPECIFICATIONS

- Continuous average output power: 110 W/ch (8 ohms), 220 W/ch (4 ohms), 440 W/ch (2 ohms), 700 W/ch (1 ohm, music signal) / bridged operation: continuous output 440 W (8 ohms), 880 W (4 ohms), 1,400 W (2 ohms, music signal)
- Frequency response: 0.5 Hz - 160 kHz +0, -3.0 dB
- IM distortion: 0.01% or less
- Damping factor: 500
- S/N ratio: 120 dB or better (A weighted)
- Input sensitivity: 1.18 V

MAIN FEATURES

- Logarithmic compression type analog power meters
- Gain selector
- Input selector button
- Meter ON/OFF button and hold time selector button
- Speaker selector
- Mode switch
- Balanced inputs
- Balanced input phase selector switch
- Maximum dimensions: 465 (W) x 221 (H) x 499 (D) mm (18-5/16" x 8-11/16" x 19-5/8")
- Mass: 42.7 kg

C-3800 PRECISION STEREO PREAMPLIFIER



Ever since its founding, Accuphase has had a strong focus on high-quality preamplifiers. We have continuously pushed the technological envelope while at the same time remaining firmly committed to our tradition of excellence. As the first of our 40-year anniversary models, the C-3800 is a no-holds-barred pinnacle product representing all that Accuphase stands for. The AAVA concept that revolutionized preamplifier volume control has further evolved here into "Balanced AAVA". Two AAVA circuits driven in balanced mode form an ideal volume control that allows fully balanced operation from input to output, for all signal paths. The preamplifier faithfully reproduces even the most delicate detail, rewarding the listener with a musical experience that is simply unsurpassed in emotional scope. Modular construction and a dual-mono approach are sustained by the amply dimensioned power supply section with two high-efficiency toroidal transformers. The massive cabinet of natural persimmons wood creates a refined esthetic appeal that exudes warmth and solid presence. Reproduction of analog records can be implemented through connection of the Phono Equalizer Amplifier C-27.

GUARANTEED SPECIFICATIONS

●THD: 0.005% or less (20 - 20,000 Hz) ●Frequency response: 3 Hz - 200 kHz +0, -3 dB ●Rated input: 252 mV ●Rated output: 2.0 V ●S/N ratio: 113 dB ●Crosstalk: -90 dB or better / 10 kHz (EIA) ●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 ●Loudness compensator selector ●Recorder button ●Gain selector ●Balance control ●Alphanumeric input display ●Volume level display ●Display on/off button ●Balanced inputs and outputs ●Headphone jack ●Headphone level selector ●EXT PRE connectors ●Supplied remote commander ●Maximum dimensions: 477 (W) x 156 (H) x 412 (D) mm (18-3/4" x 6-1/8" x 16-1/4") ●Mass: 24.8 kg

C-2820 PRECISION STEREO PREAMPLIFIER



◆ Dedicated option unit for C-2820:
Phono Equalizer Unit AD-2820

The C-2820 incorporates AAVA technology developed for the C-3800 and represents a full model change from its predecessor C-2810. Only strictly selected parts and materials are used throughout, and the entire circuitry has been redesigned for optimum sound quality. The AAVA volume control operates purely in the analog domain. The high S/N ratio and low distortion of the amplifier, as well as frequency response and sound quality remain excellent at any setting. A total of 16 unit amplifiers for line input, balanced input, AAVA, and other circuit stages are used, employing PCBs made from glass cloth fluorocarbon resin with low dielectric constant and minimum loss. These are arranged separately for left and right channel on a motherboard, and powered by separate high-efficiency toroidal power transformers and filtering capacitors. This full mono construction eliminates any risk of unwanted electrical or mechanical interaction between the two stereo channels. The optional phono equalizer unit AD-2820 allows playback of analog records with ultimate fidelity.

GUARANTEED SPECIFICATIONS (with AD-2820 installed)

●THD: 0.005% or less (20 - 20,000 Hz) ●Frequency response: 3 Hz - 200 kHz +0, -3 dB ●Rated input: DISC (MC) 0.25 mV/0.08 mV, DISC (MM) 8.0 mV/2.5 mV, CD/LINE 252 mV ●Rated output: 2.0 V ●S/N ratio: CD/LINE 111 dB, DISC (MC) 80 dB/73 dB, DISC (MM) 94 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

●With AD-2820 installed: equalizer gain selector, MC input impedance selector ●Output phase selector ●Attenuator ●Loudness compensator ●Recorder selector ●Gain selector ●Balance control ●Volume level display ●Display on/off button ●Headphone level selector ●Balanced inputs and outputs ●Headphone jack ●EXT. PRE connector ●Supplied remote commander ●Maximum dimensions: 477 (W) x 156 (H) x 412 (D) mm (18-3/4" x 6-1/8" x 16-1/4") ●Mass: 23.7 kg (with AD-2820 installed: 24.6 kg)

C-2410 PRECISION STEREO CONTROL CENTER



◆ Dedicated option unit for C-2410:
Phono Equalizer Unit AD-2820
Note: AD gain will be different from the front panel indication, and the 300 ohm setting for MC impedance cannot be selected.

The C-2410 is a high-end control center that uses advanced technology and only the finest parts to bring out the true essence of the music. Inheriting superb Accuphase design know-how, it features a further improved AAVA (Accuphase Analog Vari-gain Amplifier) volume control. AAVA is a revolutionary concept that completely eliminates variable resistors from the signal path. This has a number of distinct advantages and results in high performance and sound quality far exceeding conventional designs. The C-2410 is an analog preamplifier with an array of useful features including tone controls, EXT PRE connectors, and independent phase selection for each input position. An optional phono equalizer unit enables playback of analog records with ultimate sound quality. Elegant side panels with persimmons wood finish further enhance the exquisite appearance of the product.

GUARANTEED SPECIFICATIONS (with AD-2820 installed)

●THD: 0.005% or less (20 - 20,000 Hz) ●Frequency response: 3 Hz - 200 kHz +0, -3 dB ●Rated input: DISC (MC) 0.25 mV/0.08 mV, DISC (MM) 8.0 mV/2.5 mV, CD/LINE 252 mV ●Rated output: 2.0 V ●S/N ratio: CD/LINE 109 dB, DISC (MC) 80 dB/75 dB, DISC (MM) 95 dB/89 dB

MAIN FEATURES

●With AD-2820 installed: equalizer gain selector, MC input impedance selector ●Phase selector ●Gain selector ●Loudness compensator ●Recorder selector ●Tone controls ●Balanced inputs and outputs ●Headphone jack ●EXT. PRE connector ●Supplied remote commander ●Maximum dimensions: 465 (W) x 150 (H) x 409 (D) mm (18-5/16" x 5-7/8" x 16-1/8") ●Mass: 18.9 kg (with AD-2820 installed: 19.8 kg)

C-2110 STEREO CONTROL CENTER



◆ Number of option board slots: 2
◆ Compatible option boards:
DAC-30, AD-20, LINE-10

The C-2110 is a straightforward "basic" preamplifier that continues the excellent design policy of other higher-ranked Accuphase models. Specifications and configuration are similar, but the AAVA volume control has been further refined. AAVA is a new kind of volume control that has revolutionized the concept of the analog preamplifier by integrating the amplification and volume control tasks and eliminating all variable resistors (and thereby all mechanical contact points) from the signal path. The result is a drastic improvement in performance and sound quality. AAVA circuitry and other parts are configured as channel-separate modules on a motherboard, and the power supply section also maintains the dual mono approach. This reliably prevents unwanted crosstalk and interaction both on the electrical and the physical plane. The C-2110 also features tone adjustment controls, support for recorder/copy connections, EXT PRE capability, and a PHASE button that lets the user specify the phase setting for each input position separately. Option board slots provide even more versatility for handling digital input signals or analog record playback.

GUARANTEED SPECIFICATIONS (with AD-20 installed)

●THD: 0.005% or less (20 - 20,000 Hz) ●Frequency response: 3 Hz - 200 kHz +0, -3 dB ●Rated input: DISC (MC) 0.2 mV, DISC (MM) 4 mV, CD/LINE 252 mV ●Rated output: 2.0 V ●S/N ratio: CD/LINE 109 dB, DISC (MC) 66 dB, DISC (MM) 82 dB

MAIN FEATURES

●With AD-20 installed: equalizer gain selector ●Phase selector ●Tone controls ●Loudness compensator ●Recorder selector ●Balanced inputs and outputs ●EXT. PRE connector ●Headphone jack ●Supplied remote commander ●Maximum dimensions: 465 (W) x 150 (H) x 405 (D) mm (18-5/16" x 5-7/8" x 15-15/16") ●Mass: 16.8 kg

DP-900 PRECISION SUPER AUDIO CD TRANSPORT



* Supplied accessory: HS-LINK cable (AHDL-15)

The DP-900/DC-901 combo, which has been designated as the second of Accuphase's 40-year anniversary releases, represents the ultimate in quality and advanced technology. The DP-900 is a digital output only SA-CD/CD transport featuring a new ultra-massive drive developed in-house by Accuphase to assure the best possible performance. The highly rigid, high-precision construction with low center of gravity absorbs vibrations, and the finely machined mechanism with exquisite tray ensures silent and smooth disc loading. The single-lens/twin laser diode pickup mounted to a high-speed access mechanism faithfully extracts a highly pure signal from any disc. Digital outputs include the Accuphase exclusive high-performance digital interface HS-LINK and a dedicated coaxial connector for CD output. The elegant design is complemented by massive cabinets with wood finish.

GUARANTEED SPECIFICATIONS

●Compatible disc formats: 2-channel SA-CD and CD ●Digital output: HS-LINK, COAXIAL

MAIN FEATURES

●SA-CD/CD selector button ●Open/Close button ●Play button ●Pause button ●Track search buttons ●Stop button ●Supplied remote commander allows direct play, repeat play, etc. ●Maximum dimensions: 477 (W) x 156 (H) x 394 (D) mm (18-3/4" x 6-1/8" x 15-1/2") ●Mass: 30.0 kg

DC-901 PRECISION MDS DIGITAL PROCESSOR



* Supplied accessory: USB utility CD

The DC-901 is a digital processor designed for purest digital signal quality. Digital signal processing is handled by an ultra-high-speed FPGA and a further evolved MDS (Multiple Double Speed DSD) circuit with double-speed high-precision which forms a moving-average filter circuit for straight D/A conversion of the DSD signal. MDS uses 16 MDS type D/A converters driven in parallel. After conversion, the signals are summed. This not only minimizes conversion errors, it also functions as a high-cut filter with perfectly linear phase characteristics. A "Direct Balanced Filter" with totally separate line and balanced signal paths also helps to bring out the best from every source, whether it is SA-CD media or high-resolution music data from a song library stored on a computer. The music emerges with deep and satisfying impact.

GUARANTEED SPECIFICATIONS

●Digital inputs: HS-LINK, BALANCED, COAXIAL, OPTICAL, USB ●Sampling frequencies: 32 kHz to 192 kHz PCM (OPTICAL up to 96 kHz), [HS-LINK only] 2.8224 MHz DSD ●Frequency response: 0.5 to 50,000 Hz +0, -3.0 dB ●THD: 0.0005% or less (20 to 20,000 Hz) ●S/N ratio: 120 dB ●Dynamic range: 117 dB ●Channel separation: 120 dB ●Rated output: 2.5 V (BALANCED, LINE)

MAIN FEATURES

●Input selector buttons ●Output level control ●EXT DSP button ●Digital inputs: HS-LINK, BALANCED, COAXIAL (2 inputs), OPTICAL (2 inputs), USB ●Digital outputs: COAXIAL, OPTICAL ●EXTERNAL DSP input/output ●Balanced outputs ●Balanced output phase selector switch ●Remote commander supplied with DP-900 allows input switching, level control, etc. ●Maximum dimensions: 477 (W) x 156 (H) x 394 (D) mm (18-3/4" x 6-1/8" x 15-1/2") ●Mass: 23.4 kg

DP-700/DP-600

MDS SUPER AUDIO CD PLAYER



DP-700



DP-600

These high-performance integrated SA-CD/CD players inherit advanced know-how from Accuphase's superb separate-type SA-CD/CD player combo. The transport section features a high-quality SA-CD/CD drive with vibration absorbing rigid and precise construction, low center of gravity, plus an exquisite disc tray and ultra-smooth loading mechanism. This assures absolutely accurate readout of the digital signal recorded on the disc. The processor section features the innovative Accuphase exclusive MDS (Multiple Double Speed DSD) circuitry which uses delay circuits and multiple D/A converters (eight in the DP-700 and six in the DP-600) driven in parallel to form a moving average filter for straight D/A conversion of the DSD signal. The converters are MDS++ type units that reduce conversion errors to an absolute minimum while at the same acting as a high-cut filter that removes noise in the high-frequency range. The DP-700 is enclosed in a solid wood cabinet with persimmons finish, while the DP-600 has elegant side panels with persimmons grain texture. Both models offer a great blend of features, performance, and sophisticated design.

GUARANTEED SPECIFICATIONS / MAIN FEATURES

	DP-700	DP-600
Compatible disc formats	2-channel SA-CD and CD	
Sampling frequencies	32 kHz, 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, [HS-LINK only] 176.4 kHz, 192 kHz, 2.8224 MHz	
Frequency response	0.5 - 50,000 Hz +0, -3.0 dB	0.7 - 50,000 Hz +0, -3.0 dB
THD	0.0008% (20 to 20,000 Hz)	
S/N ratio	114 dB or better	
Dynamic range	110 dB or better	
Channel separation	108 dB or better	
Rated output	2.5 V (line, balanced)	
Maximum dimensions	477 x 156 x 394 mm	465 x 150 x 393 mm
Width x Height x Depth	18-3/4" x 6-1/8" x 15-1/2"	18-5/16" x 5-7/8" x 15-1/2"
Mass	27.0 kg	18.5 kg
MAIN FEATURES	●SA-CD/CD selector button ●Input selector buttons ●Play button ●Pause button ●Track search buttons ●Stop button ●Digital inputs (HS-LINK/COAXIAL/OPTICAL) ●Transport outputs (HS-LINK/COAXIAL/OPTICAL) ●Supplied remote commander allows input switching, output level adjustment, direct play, program play, repeat play, etc.	

SA-CD/CD Drive Developed by Accuphase

Features and Functions

- Highly rigid and precise construction with mechanism supported by sturdy, heavyweight frame and chassis to absorb external vibrations
- 4-point floating design using viscous dampers (Traverse Mechanism)
- Strong, integrated construction with massive bridge cover and mechanism base
- Non-resonant design and low center of gravity further reduce vibrations
- High-quality disc tray extruded from an aluminum block, plus super-quiet smooth disc loading mechanism



Drive used in DP-900



Drive used in DP-600

DP-510/DP-400

COMPACT DISC PLAYER



DP-510



DP-400

These dedicated CD players are devoted to the ultimate in sound quality. The Accuphase-developed high-rigidity, high-precision drive optimized for CD reproduction, plus a quiet and smooth disc loading mechanism ensure signal readout of the highest order. The processor section features an MDS++ type D/A converter with multiple parallel DACs (six in the DP-510 and two in the DP-400). The analog filter is a Direct Balanced Filter type with separate circuitry for the line and balanced signal paths. The CD transport section and digital processor are completely independent, and coaxial and optical connectors are provided for digital input and transport output. (The coaxial input of the DP-510 supports sampling frequencies up to 192 kHz and 24-bit resolution.) Quality construction and highly advanced digital technology assure breathtaking CD reproduction that will make the listener rediscover the joys of music.

GUARANTEED SPECIFICATIONS / MAIN FEATURES

	DP-510	DP-400
Configuration	Integrated CD transport and digital processor	
CD standard format	EIA format	
Frequency response	4.0 - 20,000 Hz \pm 0.3 dB	
THD	0.001% or less (20 - 20,000 Hz)	
S/N ratio	114 dB or better	
Dynamic range	110 dB or better	
Channel separation	110 dB or better	
Digital input sampling frequency support	COAXIAL: up to 192 kHz/24 bit OPTICAL: up to 96 kHz/24 bit	COAXIAL/OPTICAL: up to 96 kHz/24 bit
Rated output	2.5 V (line, balanced)	
Maximum dimensions Width x Height x Depth	465 x 151 x 393 mm 18-5/16" x 5-15/16" x 15-1/2"	465 x 150 x 393 mm 18-5/16" x 5-7/8" x 15-1/2"
Mass	17.8 kg	13.6 kg
MAIN FEATURES	<ul style="list-style-type: none"> • Play button • Pause button • Phase selector for balanced output • Track search buttons • Stop button • CD/PROC selector button • Digital inputs • Transport outputs • Supplied remote commander allows input selection, direct play, program play, repeat play, digital level control, etc. 	

T-1100

DDS TYPE FM STEREO TUNER



FM broadcasts are still an important medium, covering the entire spectrum from live performances of time-honored classical works to the latest hits and music related information. The T-1100 provides access to this rich resource in unsurpassed quality. The newly developed front end using the DDS principle represents a successful blend of latest RF know-how and advanced digital technology. All functions from the intermediate frequency (IF) stage onwards are implemented using digital signal processing in completely new and innovative ways. This comprises the variable bandwidth IF filter, multipath reduction (MPR) function, digital FM detector, and DS-DC stereo demodulator. Regardless of whether the signal is weak or strong, and even in the presence of interference, the T-1100 will deliver the target station with optimum sound quality. A digital output as well as balanced analog outputs are also available. Pulse tuning allows manual operation with a high-class feel, and 20 station preset buttons give quick access to an array of your favorites.

GUARANTEED SPECIFICATIONS

• IHF sensitivity: mono 11 dBf / stereo 29 dBf • S/N ratio: mono 90 dB or better / stereo 85 dB or better • THD (1 kHz): mono 0.02% max. / stereo 0.04% max. • Stereo channel separation (1 kHz): 60 dB or better • Digital output: sampling frequency 48 kHz / 24 bit

MAIN FEATURES

• 20 station memory • Manual rotary knob with pulse tuning system • Muting circuit on/off button • Mode selector • IF bandwidth selector • LOCAL/DISTANCE button • Multipath reduction on/off button • Meter selector (signal strength/multipath) • Digital output • Balanced analog outputs • Balanced output phase selector • Supplied remote commander • Maximum dimensions 465 (W) x 140 (H) x 406 (D) mm (18-5/16" x 5-1/2" x 16") • Mass 13.0 kg

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 With USB DAC-30

Input for playback of digital signals from digital components

COAXIAL

: For 75-ohm coaxial cable, IEC 60958/AES-3 compliant
: Sampling frequency range 32 kHz to 192 kHz, 24 bit

OPTICAL

: For optical fiber cable, IEC 60958/AES-3 compliant
: Sampling frequency range 32 kHz to 96 kHz, 24 bit

USB

: For USB cable with Type B connector
: USB 2.0 Full Speed (12 Mbps) compliant
: Sampling frequency range 32 kHz to 96 kHz, 24 bit

• Compatible models: (Models marked with (*) cannot accommodate two DAC-30 boards.)
C-2000, C-2110, C-245 (*), CX-260 (*), E-213, E-250, E-307 (*), E-308 (*), E-350, E-360, E-408, E-450, E-460, E-530, E-550, E-560

Analog Disc Input Board AD-20

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
- Compatible models:
C-2000, C-2110, C-245, C-265, CX-260, E-211, E-212, E-213, E-250, E-307, E-308, E-350, E-360, E-407, E-408, E-450, E-460, E-530, E-550, E-560

Line Input Board LINE-10

General high-level line input

- Compatible models:
C-2000, C-2110, C-245, C-265, CX-260, E-211, E-212, E-213, E-250, E-307, E-308, E-350, E-360, E-407, E-408, E-450, E-460, E-530, E-550, E-560

Phono Equalizer Unit AD-2820 For Use With C-2820/C-2410

The AD-2820 is a dedicated phono equalizer unit for the C-2820/ C-2410 preamplifiers, to allow reproduction of analog records. The unit is installed in a special option slot on the rear panel. Separate input stages optimized for MC and MM cartridges bring out the best performance from every cartridge. All functions (AD gain and MC input impedance) are switched using the controls on the front panel of the C-2820 or C-2410.

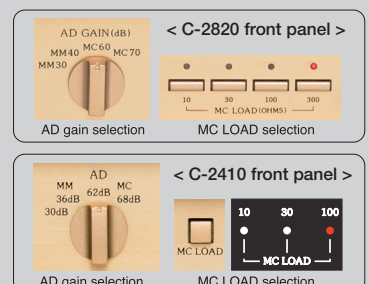
- AD gain [MC: 60 dB, 70 dB
MM: 30 dB, 40 dB
- Input impedance [MC: 10 Ω , 30 Ω , 100 Ω , 300 Ω
MM: 47 k Ω
- Supported models: C-2820, C-2810, C-2800, C-2410, C-2400, C-290, C-290V

Note: When using a preamplifier other than the C-2820:

*AD gain will be different from the front panel indication, as follows. MM: *30dB, 40dB*, MC: *60dB, 70dB*. There is no change for MM: 30dB.

*The 300 ohm setting for MC impedance cannot be selected as there is no position indication.

* For details regarding use in older models and products, please contact your Accuphase dealer or authorized service station.



E-560 CLASS-A 30 W/ch INTEGRATED STEREO AMPLIFIER



- ◆ Number of option board slots: 2
- ◆ Compatible option boards: DAC-30, AD-20, LINE-10

The E-560 is positioned as the ultimate reference component in the pure class A integrated amplifier category. It represents a full model change from the E-550 which has won lavish praise for its performance and sound quality. Featuring the latest technology and incorporating only top-quality materials and parts, the E-560 is bound to impress. The further refined AAVA volume control makes use of sophisticated design technology to increase component density and achieve a higher level of integration, delivering the same level of performance as AAVA in a preamplifier. The power amplifier section is designed as an instrumentation amplifier to enable fully balanced signal transmission. Power MOS-FET devices renowned for their great sound are used in the output stage in a triple-parallel configuration. Driven in pure class A, the amplifier realizes low output impedance and constant voltage drive for superb speaker control. In the power supply, a toroidal transformer with high power rating sustains an output of 150 watts per channel into ultra-low impedance 1-ohm loads (with music signals).

GUARANTEED SPECIFICATIONS (with AD-20 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: 200 (EIA 50 Hz) ●Input sensitivity: 0.06 mV (DISC MC), 1.2 mV (DISC MM), 77.7 mV (HIGH LEVEL), 0.617 V (POWER IN) ●S/N ratio: 116 dB (POWER IN), 98 dB (HIGH LEVEL)

MAIN FEATURES

●Phase selector ●Volume level display ●Recorder switch ●Tone controls ●Loudness compensator ●Speaker selector ●Meter operation/illumination switch ●EXT PRE switch ●Balanced inputs ●Two sets of speaker outputs ●Supplied remote commander ●Maximum dimensions: 465 (W) x 191 (H) x 426 (D) mm (18-5/16" x 7-1/2" x 16-3/4") ●Mass: 24.0 kg

E-460 180 W/ch INTEGRATED STEREO AMPLIFIER



- ◆ Number of option board slots: 2
- ◆ Compatible option boards: DAC-30, AD-20, LINE-10

The E-460 represents a full model change from the popular E-450, renowned in Japan and abroad as a pivotal product among Accuphase high-end integrated amplifiers. The new model incorporates sophisticated technological know-how gained over the years, and features a further refined AAVA volume control, as well as a class A/B output stage using power MOS-FET devices. Latest circuit topology and strictly selected parts bring out the hidden potential in each music source. The power amplifier section is built as an advanced instrumentation amplifier, which enables fully balanced signal transmission throughout. Together with the further improved MCS+ circuit topology and the highly acclaimed current feedback principle, this makes for even better electrical characteristics. In the output stage, high-power MOS-FET devices renowned for their great sound are arranged in a triple parallel push-pull configuration per channel. The amply dimensioned power supply features a massive toroidal transformer, sustaining high-quality power output rated at 180 watts x 2 into 8 ohms, for realistic reproduction of the musical sound field.

GUARANTEED SPECIFICATIONS (with AD-20 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: 200 (EIA 50 Hz) ●Input sensitivity: 0.15 mV (DISC MC), 3.0 mV (DISC MM), 190 mV (LINE), 1.51 V (MAIN) ●S/N ratio: 123 dB (MAIN), 107 dB (LINE)

MAIN FEATURES

●Phase selector button ●Volume level display ●Recorder switch ●Tone controls ●Loudness compensator ●Speaker selector ●Meter operation/illumination switch ●EXT PRE selector ●Balanced inputs ●Two sets of speaker outputs ●Supplied remote commander ●Maximum dimensions: 465 (W) x 181 (H) x 428 (D) mm (18-5/16" x 7-1/8" x 16-7/8") ●Mass: 24.4 kg

E-360 100 W/ch INTEGRATED STEREO AMPLIFIER



- ◆ Number of option board slots: 2
- ◆ Compatible option boards: DAC-30, AD-20, LINE-10

The E-360 represents a full model change from the extremely well regarded E-350, incorporating the same AAVA volume control topology as the E-460, for even higher perceived S/N ratio. Numeric indication of the volume level makes it easy to set precisely the desired level every time. The power amplifier section is built as an advanced instrumentation amplifier, which enables fully balanced signal transmission throughout. Together with the redesigned negative feedback circuitry resulting in a significantly higher damping factor, this makes for even better electrical characteristics and outstanding sonic performance. In the output stage, high-power transistors are arranged in a parallel push-pull configuration delivering high-quality output. The preamplifier section features tone controls and a versatile complement of functions. Further flexibility is provided by support for plug-in options including a digital input board with USB port and a board for impeccable reproduction of analog records.

GUARANTEED SPECIFICATIONS (with AD-20 installed)

●Continuous average output power: 100 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: 200 (EIA 50 Hz) ●Input sensitivity: 0.11 mV (DISC MC), 2.2 mV (DISC MM), 142 mV (HIGH LEVEL), 1.13 V (MAIN) ●S/N ratio: 122 dB (MAIN), 105 dB (HIGH LEVEL)

MAIN FEATURES

●Phase selector button ●Volume level display ●Recorder switch ●Tone controls ●Loudness compensator ●Speaker selector ●Meter operation/illumination switch ●EXT PRE selector ●Balanced inputs ●Two sets of speaker outputs ●Supplied remote commander ●Maximum dimensions: 465 (W) x 171 (H) x 422 (D) mm (18-5/16" x 6-3/4" x 16-5/8") ●Mass: 21.7 kg

E-250 90 W/ch INTEGRATED STEREO AMPLIFIER



- ◆ Number of option board slots: 1
- ◆ Compatible option boards: DAC-30, AD-20, LINE-10

The E-250 features the revolutionary AAVA-II volume control which completely eliminates all variable resistors from the signal path. Building on renowned technology and using only strictly selected top-grade parts and materials, the E-250 is an integrated amplifier dedicated to the optimum reproduction of music. The power amplifier section is configured as an advanced instrumentation amplifier, which enables fully balanced signal transmission throughout. In conjunction with the current feedback principle which ensures excellent high-range phase fidelity, this makes for even better electrical characteristics. The output stage uses high-power transistors arranged in a parallel push-pull configuration. The large power transformer with a maximum rating of 400 VA and large filtering capacitors (22,000 µF x 2) allow the amplifier to deliver plenty of quality power. Handling of digital input signals or high-grade analog disc reproduction can be implemented via an option board slot.

GUARANTEED SPECIFICATIONS (with AD-20 installed)

●Continuous average output power: 90 W/ch (8 ohms, both channels driven, 20 - 20,000 Hz, THD 0.04%) ●Frequency response (1 W output): 3 Hz - 150 kHz +0, -3.0 dB ●Damping factor: 100 (EIA 50 Hz) ●Input sensitivity: 0.11 mV (DISC MC), 2.13 mV (DISC MM), 134 mV (HIGH LEVEL), 1.07 V (MAIN) ●S/N ratio: 120 dB (MAIN), 105 dB (HIGH LEVEL)

MAIN FEATURES

●Recorder switch ●Tone controls ●Loudness compensator ●EXT PRE selector ●Speaker selector ●Balanced inputs ●Supplied remote commander ●Maximum dimensions: 465 (W) x 150 (H) x 420 (D) mm (18-5/16" x 5-7/8" x 16-9/16") ●Mass: 19.9 kg

P-4100 500 W/1 Ohm STEREO POWER AMPLIFIER



Inheriting the superb design policy of models such as the P-7100 and M-6000, the P-4100 is configured as an instrumentation amplifier, which enables fully balanced transmission on all signal paths. Note the further refined MCS+ circuit topology and current feedback in the amplifier stages, strictly selected high-quality parts and materials, as well as outstanding performance characteristics in all respects including S/N ratio and THD. The external heat sinks and solid construction demonstrate that this stereo amplifier is designed for sound quality without compromise. The power supply with a large toroidal transformer rated for up to 950 VA provides ideal drive conditions for any speaker load. Wide-band high-power transistors in a 3-parallel push-pull configuration ensure low output impedance and constant voltage drive for superb speaker control, capable of delivering an impressive 500 watts into a 1-ohm load (music signal). The 4-step gain control minimizes residual noise, and bridged operation support allows turning the P-4100 into a monophonic amplifier rated for 1,000 watts into 2 ohms (music signals).

GUARANTEED SPECIFICATIONS

●Continuous average output power: 90 W/ch (8 ohms), 180 W/ch (4 ohms), 360 W/ch (2 ohms), 500 W/ch (1 ohm, music signal) / bridged operation: continuous output 360 W (8 ohms), 720 W (4 ohms), 1,000 W (2 ohms, music signal) ●Frequency response: 0.5 Hz - 160 kHz ± 0 , -3.0 dB ●IM distortion: 0.01% or less ●Damping factor: 180 ●S/N ratio: 120 dB or better (A weighted) ●Input sensitivity: 1.07 V

MAIN FEATURES

●Logarithmic compression type analog power meters ●Gain selector ●Input selector button ●Meter ON/OFF button ●Speaker selector ●Mode switch ●Balanced inputs ●Maximum dimensions: 465 (W) x 190 (H) x 427 (D) mm (18-5/16" x 7-1/2" x 16-13/16") ●Mass: 28.2 kg

PS-1220/PS-520 CLEAN POWER SUPPLY

*Photos show 230 V AC versions



PS-1220



PS-520

The PS-1220 and PS-520 form a totally new product category. By removing all impurities such as noise, distortion, and high-frequency interference from the power line, these components act as a source of totally clean AC energy. Accuphase has developed a revolutionary new circuit which constantly monitors the input voltage waveform, compares it to an ideal reference, and adds or subtracts exactly the required amount of compensation to achieve a perfectly regular, sinusoidal waveform. The end result is output power with perfectly clean waveform at all times. Since the required compensation typically is only a fraction of overall power, the units operate with high efficiency and produce minimal heat, allowing a compact and lightweight design. Because the power supply frequency is synchronized to the input, the unit itself does not generate any high-frequency noise. The PS-1220 can supply up to 1,200 VA and the PS-520 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-1220		PS-520	
	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 ± 1.5 V	230 V AC ± 3.0 V	120 V AC ± 1.5 V	230 V AC ± 3.0 V
Rated output current	8.3 A	5.2 A	4.2 A	2.2 A
Instantaneous peak current capacity	120 A	60 A	60 A	30 A
Output frequency	50 Hz or 60 Hz (identical to input frequency)			
Output waveform THD	0.1% or less		0.1% 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	60 W		50 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	41.2 kg		24.1 kg	23.5 kg

MAIN FEATURES

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

C-27 STEREO PHONO AMPLIFIER



The analog phono record is experiencing a quiet boom among discerning music lovers. It goes without saying that besides the proper selection and setup of components such as tonearm and cartridge, a phono equalizer of outstanding quality is essential to extract the enormous richness of sonic information engraved on vinyl records. The C-27 is the ideal choice here. Using only carefully selected quality materials and highly sophisticated circuit topology, it features two separate amplifier sections optimized for MM and MC, to extract no-compromise performance from each cartridge type. The crucial initial stage which determines S/N ratio is designed with purpose-selected components to achieve lowest noise, while also providing ideal performance in other aspects such as THD, high-frequency response, and linearity. Designed as the ultimate phono equalizer amplifier, the C-27 brings out the characteristics and musical qualities of any phono cartridge to optimum effect, providing pure music enjoyment from those legendary analog discs.

GUARANTEED SPECIFICATIONS (with GAIN at Normal setting)

●THD: 0.005% or less (1 kHz, at rated output) ●RIAA deviation: 10 Hz - 100 kHz MM ± 0.5 dB, MC ± 0.3 dB ●Input sensitivity: MM 63.2 mV, MC 2 mV ●Maximum input voltage: MM 300 mV, MC 9 mV ●Input impedance: MM 1k Ω , 47 k Ω , 100 k Ω , switchable; MC 3 Ω , 10 Ω , 30 Ω , 100 Ω , 300 Ω , 1 k Ω , switchable ●Gain: Normal setting MM 30 dB, MC 60 dB; High setting MM 40 dB, MC 70 dB ●Subsonic filter: -12 dB/octave, 10 Hz ●Rated output: 2 V, 50 Ω ●S/N ratio: MM 110 dB, MC 98 dB

MAIN FEATURES

●Input selector ●MM/MC selector ●Load impedance selector ●Gain selector ●Subsonic filter ●Three sets of player inputs/GND terminals ●Balanced outputs ●Balance output polarity selector ●Maximum dimensions: 465 (W) x 121 (H) x 405 (D) mm (18-5/16" x 4-3/4" x 15-15/16") ●Mass: 14.5 kg

AC-5 MOVING COIL PHONO CARTRIDGE



- Use of pewter minimizes transmission of vibrations and induction noise to cartridge body. Pewter is an alloy of tin with small amounts of antimony and copper. It is given a manual mirror finish and then rhodium and gold plated.
- Microridge stylus shape similar to record cutter ensures wide playback frequency range.
- Solid amorphous boron cantilever with high propagation speed
- Samarium Cobalt Type 30 magnet with excellent thermal characteristics
- "Real sound" type generating coil using 6N-LCOFC wire
- 8-piece pure damper

●Cartridge type: Moving coil ●Rated output voltage: 0.24 mV (1 kHz, 5 cm/sec) ●Impedance: 4.5 ohms (1 kHz) ●Frequency response: 20 Hz to 20 kHz (± 1 dB) ●Channel separation: 30 dB (1 kHz) ●Channel balance: 0.5 dB (1 kHz) ●Trackability: 80 μ m/2.0 g (300 Hz) ●Generating coil, Wire material: 0.03 mm dia. 6N-LCOFC, Layout: Horizontal symmetrical ●Magnet: Samarium Cobalt Type 30 ●Cantilever: 0.3 mm dia. solid amorphous boron ●Stylus, Material: Microridge needle diamond 0.1 mm dia., Curvature: 3 μ m x 60 μ m, Service life: 2,000 hours (tracking force 2.0 g) ●Tracking force, Recommended: 2.0 g, Range: 1.7 to 2.5 g ●Compliance, Horizontal: 15 x 10 $^{-6}$ cm/dyne, Vertical: 12 x 10 $^{-6}$ cm/dyne ●Output terminals: 1.25 mm dia. (gold-plated brass) ●Recommended load impedance, Amplifier: 100 ohms or higher, Step-up transformer: 10 ohms or higher ●Cartridge weight: 11.5 g (standard)

DG-48 DIGITAL VOICING EQUALIZER



* Supplied accessories:
Stylus pen
Measurement microphone AM-48
Microphone cable (5 m) and holder

The DG-48 is a third-generation Digital Voicing Equalizer employing highly advanced digital processing technology developed by Accuphase. Latest high-speed DSP chips fully handle all sources including SA-CD in the digital domain. The newly added Simple Voicing function makes automatic sound field measurement and adjustment a breeze, while Custom Voicing provides the user with extensive control over every aspect. A brilliant wide-format TFT color display shows a wealth of information and allows you to directly draw a desired response curve on the screen with the supplied stylus pen. Get optimum performance from your speakers, uniquely tailored to your own listening room. A real-time spectrum analyzer shows the frequency distribution of the music signal and also supports microphone input. Thanks to a full complement of line and balanced analog inputs/outputs as well as digital inputs/outputs (HS-LINK/COAXIAL/OPTICAL) provided as standard, the DG-48 is easily integrated into any system configuration.

GUARANTEED SPECIFICATIONS

●Voicing: 67 frequency bands with 1/6 octave spacing (adjustment range ± 12 dB) ●Equalizer: 80 frequency bands with 1/6 octave spacing (adjustment range ± 12 dB) ●Spectrum Analyzer: 35 frequency bands with 1/3 octave spacing, real-time operation ●Gain: +12 to -90 dB variable ●Frequency response: 0.5 - 50,000 Hz ± 0 , -3.0 dB ●Analog input maximum signal level: 1.75 V (GAIN 0 dB)

MAIN FEATURES

●Voicing (sound field compensation) button ●Equalizer button ●Analyzer button ●Configuration button ●Voicing/Equalizer On/Off button ●Memory button ●Zoom button ●Channel selector button ●FLAT button ●Cursor functions ●Microphone input connector ●Line and balanced analog input connectors ●Digital input/output connectors (HS-LINK/COAXIAL/OPTICAL) ●Supplied remote commander ●Maximum dimensions: 465 (W) x 151 (H) x 396 (D) mm (18-5/16" x 5-15/16" x 15-9/16") ●Mass: 13.8kg

DF-55 DIGITAL FREQUENCY DIVIDING NETWORK



Designed to serve as core component in a no-holds-barred multi-amped system, the DF-55 is a third-generation digital channel divider from Accuphase. A high-speed, high-precision DSP chip further minimizes calculation errors, implementing accurate filtering of the highest order. The Hyperstream DAC section drastically improves S/N ratio. 59 cutoff frequency points, closely controlled slope characteristics, delay function with time alignment capability, phase and level control, all of these features are implemented in the digital domain. This makes it possible to extract the full performance potential from each driver, resulting in loudspeaker performance that elevates the art of audio to a wholly new level.

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
140	160	180	200	224	250	280	290	315	355	400	500	560	630
800	900	1000	1120	1250	1400	1600	1800	2000	2240	2500	2800	3150	3550
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	Analog input	Line/balanced input, one each A/D converter: 24 bit/176.4 kHz	S/N ratio	Digital input : 120 dB Analog input : 113 dB
Delay setting range (converted into distance)	-3,000 to +3,000 cm (0.5-cm steps)	Analog output	Each channel: Line/balanced input, one each	Output voltage, output impedance	LINE/BALANCED: 2.5 V, 50 ohms
Delay compensator	ON: Automatic compensation OFF: Manual compensation	D/A converter	Stereo operation : 24-bit, 4MDS++ Mono operation : 24-bit, 8MDS++	Number of channels	4-way (unused channels can be set to OFF)
Level setting range	-40 dB to +12 dB (0.1 dB steps)	Digital input	HS-LINK, COAXIAL, OPTICAL	Output modes	STEREO, MONO L+R, MONO L, MONO R
Phase	Left/Right: Normal/Reverse, 4 patterns	Sampling frequencies	HS-LINK, COAXIAL : up to 192 kHz OPTICAL : up to 96 kHz	Maximum dimensions	465 (W) x 151 (H) x 396 (D) mm (18-5/16" x 5-15/16" x 15-9/16")
Memory (Save/Recall)	For 4 channels together, 5 types	Digital output	HS-LINK, for 5-way and higher configurations	Mass	14.7 kg
Character display	8 characters (preset names or select from 97 characters)	Frequency response	HS-LINK, 2.0 to 50,000 Hz, ± 0 , -3 dB		
		THD	0.001% (20 - 20,000 Hz)		
		Channel separation	108 dB		

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-10	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*	5.0 m x 2 cables	Phono plug
ASL-75*	7.5 m x 2 cables	
ASL-100*	10.0 m x 2 cables	
ASLC-10	1.0 m x 2 cables	3-P XLR connector
ASLC-15	1.5 m x 2 cables	
ASLC-30	3.0 m x 2 cables	
ASLC-50*	5.0 m x 2 cables	3-P XLR connector
ASLC-75*	7.5 m x 2 cables	
ASLC-100*	10.0 m x 2 cables	

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

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*	5.0 m x 2 cables	Phono plug
AL-75*	7.5 m x 2 cables	
AL-100*	10.0 m x 2 cables	
ALC-10	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-50*	5.0 m x 2 cables	3-P XLR connector
ALC-75*	7.5 m x 2 cables	
ALC-100*	10.0 m x 2 cables	

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.



ACCUPHASE LABORATORY, INC.
YOKOHAMA, JAPAN

<http://www.accuphase.com/>

G123Y

851-0125-00 E (KE49) Printed in Japan