

# Accuphase

### 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 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 dB, –3.0 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

### 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 –3.0 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

## 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 counter-electromotive 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 dB, -3.0 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

## A-48 CLASS-A 45 W/8 Ohms STEREO POWER AMPLIFIER



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

### GUARANTEED SPECIFICATIONS

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

### MAIN FEATURES

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

- Supplied accessory: AC power cord

## 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 -3.0 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 dB) 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

## C-3900 PRECISION STEREO PREAMPLIFIER



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

### GUARANTEED SPECIFICATIONS

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

### MAIN FEATURES

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

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

## C-2900 PRECISION STEREO PREAMPLIFIER



- ◆ 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, -3.0 dB) • Rated input: BALANCED / LINE 252 mV, AD (MC): 0.16 mV/0.08 mV, AD (MM): 5.0 mV/2.5 mV • Rated output: 2 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 / Audio cable with plugs ASL-10B / 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, -3.0 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 / Audio cable with plugs AL-10 / 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) ] • Input impedance [ MC: 10/30/100/200/300 ohms (selectable) ]
- [ MM: 34/40 dB (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



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

### GUARANTEED SPECIFICATIONS

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

### MAIN FEATURES

- Direct playback • Repeat playback (1 track, all tracks) • Max. 20 track programmable playlist • Maximum dimensions: 477 (W) × 156 (H) × 394 (D) mm (18-3/4" × 6-1/8" × 15-1/2") • Mass: 29.8 kg (65.7 lbs)
- Supplied accessories: AC power cord / HS-LINK cable AHDL-15 / Remote commander RC-140

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

### GUARANTEED SPECIFICATIONS

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

### MAIN FEATURES

- Digital inputs: HS-LINK, USB, OPTICAL, COAXIAL, BALANCED • Digital outputs: OPTICAL, COAXIAL • Analog outputs: BALANCED, LINE • Balanced output polarity selector • Sampling frequency display • Bit display • Output level control • Maximum dimensions: 477 (W) × 156 (H) × 394 (D) mm (18-3/4" × 6-1/8" × 15-1/2") • Mass: 24.4 kg (53.8 lbs)
- Supplied accessories: AC power cord / Audio cable with plugs ASL-10B / USB Utility 3 CD

# DC-1000 PRECISION MDS DIGITAL PROCESSOR



# DP-770/DP-570

SUPER AUDIO CD PLAYER

The DP-770 and DP-570 are integrated high-performance SA-CD/CD players that build upon the expertise of Accuphase's separate component type players. The high-rigidity, high-precision SA-CD/CD drive equipped with a quiet and ultra-smooth disc loading mechanism extracts the full scope of information recorded on disc media. Innovative converter technology with parallel drive configuration (DP-770: MDS, DP-570: MDS+) drastically improves performance parameters such as THD, noise, and linearity, producing an analog output signal of astonishing purity. A versatile array of transport outputs and digital inputs enables connection of a voicing equalizer and other equipment in the digital domain. These SA-CD/CD players bring the full musical performance to life for your complete enjoyment.

### GUARANTEED SPECIFICATIONS

|                                      |               | DP-770                                | DP-570  |
|--------------------------------------|---------------|---------------------------------------|---|
| Compatible discs                     |               | 2-channel SA-CD / CD / Data discs     |   |
| Data disc (format)                   |               | WAV, FLAC, DSF, DSDIFF                |   |
| Laser diode wavelength               |               | SA-CD: 655 nm, CD: 790 nm             |   |
| Sampling frequencies                 | HS-LINK Ver.1 | DSD (1-bit)                           | 2.8 MHz   |
|                                      |               | PCM (24-bit)                          | 32 to 192 kHz                                   |
|                                      | HS-LINK Ver.2 | DSD (1-bit)                           | 2.8 MHz, 5.6 MHz                                |
|                                      |               | PCM (32-bit)                          | 32 to 384 kHz                                   |
|                                      | USB           | DSD (1-bit)                           | 2.8 MHz, 5.6 MHz, 11.2 MHz (11.2 MHz ASIO only) |
|                                      |               | PCM (32-bit)                          | 44.1 to 384 kHz                                 |
| OPTICAL                              | PCM (24-bit)  | 32 to 96 kHz                          |   |
|                                      | COAXIAL       | PCM (24-bit)                          | 32 to 192 kHz                                   |
| D/A converter                        | DSD           | 8 MDS                                 | 4 MDS+  |
|                                      | PCM           | 8 MDS++                               | 4 MDS+  |
| Number of parallel circuits          |               | 8                                     | 4   |
| Analog filter                        |               | 5-pole Butterworth type analog filter |   |
| Frequency response                   |               | 0.5 to 50,000 Hz +0, -3.0 dB          |   |
| THD + Noise (20 to 20,000 Hz)        |               | 0.0004 %                              | 0.0006 %  |
| S/N ratio                            |               | 121 dB                                | 120 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-570   |
|---|--|--|
| Repeat playback                               | Single track, all tracks   |  |
| Programmable playlist                         | Maximum 20 songs   |  |
| Sampling frequency / Quantization bit display | Yes  |  |
| Digital inputs                                | HS-LINK × 1 / USB × 1 / OPTICAL × 1 / COAXIAL × 1  |  |
| Transport outputs                             | HS-LINK × 1 / OPTICAL × 1 / COAXIAL × 1  |  |
| Analog outputs                                | LINE × 1 / BALANCED × 1  |  |
| Balanced output phase selector                | Yes  |  |
| Output level control                          | 0 dB to -80 dB in 1-dB steps (digital)   |  |
| Other functions                               | • SA-CD/CD selector button • Input selector button<br>• Disc tray open/close button • Play button<br>• 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                            | 477 × 156 × 395 mm   | 465 × 151 × 393 mm   |
| Width × Height × Depth                        | 18-3/4" × 6-1/8" × 15-35/64"   | 18-5/16" × 5-15/16" × 15-1/2"  |
| Mass  | 28.5 kg  | 19.0 kg  |

### SUPPLIED ACCESSORIES

|                              | DP-770  | DP-570 |
|------------------------------|---|--------|
| AC power cord                | Yes   |        |
| Audio cable with plugs       | ASL-10B   | AL-10  |
| Remote commander             | RC-140  |        |
|                              | External input switching, output level control, direct play, repeat, etc. |        |
| PC software for installation | USB Utility 3 CD  |        |



DP-770



DP-570

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

- Strong integrated construction combining bottom plate, frame, mechanism, base, and a large bridge reliably protects the traverse mechanism from vibrations.
- Traverse mechanism suppresses resonances with a 4-point elastic damper system.



For DP-770

- Disc tray cut from a single aluminum block.
- Disc loading mechanism with steel bearing shaft realizes smooth operation.
- Utterly quiet operation makes the listener forget the presence of a disc rotation mechanism.

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

#### GUARANTEED SPECIFICATIONS (with AD-60 installed)

• Rated Output: 50 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: 1000 (EIA, 8 ohm load, 50 Hz) • Input sensitivity: 0.126 mV (AD MC), 2.5 mV (AD MM), 100 mV (BALANCED, LINE), 796 mV (MAIN IN) • S / N ratio: 104 dB (BALANCED, LINE), 119 dB (MAIN IN)

#### MAIN FEATURES

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

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

# E-650 CLASS-A 30 W/8 Ohms INTEGRATED STEREO AMPLIFIER



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

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

#### GUARANTEED SPECIFICATIONS (with AD-60 installed)

• Rated Output: 30 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: 800 (EIA, 8 ohm load, 50 Hz) • Input sensitivity: 0.126 mV (AD MC), 2.5 mV (AD MM), 77.7 mV (BALANCED, LINE), 0.617 V (MAIN IN) • S/N ratio: 102 dB (BALANCED, LINE), 117 dB (MAIN IN)

#### MAIN FEATURES

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

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

# DP-450 COMPACT DISC PLAYER



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

#### GUARANTEED SPECIFICATIONS

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

#### MAIN FEATURES

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

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

## Option Boards for Integrated Amplifiers and Preamplifiers

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

### Digital Input Board

### DAC-60



Converts a variety of digital sound sources into high-quality analog signals

- USB: USB 2.0 cable with Type B connector (2 m or shorter)  
Sampling frequencies: 2.8 MHz, 5.6 MHz  
11.2 MHz/1-bit (11.2 MHz ASIO only)  
32 to 384 kHz/32-bit
- OPTICAL: JEITA standard optical fiber cable  
Sampling frequencies: 32 to 96 kHz/24-bit
- COAXIAL: 75-ohm coaxial digital cable  
Sampling frequencies: 32 to 192 kHz/24-bit
- Compatible models (Models marked with (\*) cannot accommodate 2 DAC-\*\* boards)  
C-2300, C-2150, C-2120, C-2110, C-2000  
C-245 (\*), CX-260 (\*)  
E-800, E-650, E-600, E-560, E-550, E-530  
E-5000, E-4000, 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-800, E-650, E-600, E-560, E-550, E-530  
E-5000, E-4000, 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-800, E-650, E-600, E-560  
E-550, E-530  
E-5000, E-4000, E-480  
E-470, E-460, E-450, E-408  
E-407, E-406V  
E-380, E-370, E-360, E-350  
E-308, E-307, E-306V  
E-280, E-270, E-260, E-250  
E-213, E-212, E-211

## E-5000 240 W/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 dB, -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 / 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 dB, -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 / Remote commander RC-250

## E-380 120 W/8 Ohms INTEGRATED STEREO AMPLIFIER



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

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

### GUARANTEED SPECIFICATIONS (with AD-60 installed)

• Rated Output: 120 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: 500 (EIA, 8 ohm load, 50 Hz) • Input sensitivity: 0.126 mV (AD MC), 2.5 mV (AD MM), 155 mV (BALANCED, LINE), 1.23 V (MAIN IN) • S/N ratio: 98 dB (BALANCED INPUT), 109 dB (LINE INPUT), 124 dB (MAIN IN)

### MAIN FEATURES

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

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

## E-280 90 W/8 Ohms INTEGRATED STEREO AMPLIFIER



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

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

### GUARANTEED SPECIFICATIONS (with AD-60 installed)

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

### MAIN FEATURES

• Phase selector button • Volume level display • Recorder switch • Tone controls • Loudness compensator • MAIN IN (LINE) selector • Speaker selector • Balanced inputs • Two sets of speaker outputs • Maximum dimensions: 465 (W) × 151 (H) × 420 (D) mm (18-5/16" × 5-15/16" × 16-9/16") • Mass: 20.4 kg

- Supplied accessories: AC power cord / 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 $\pm 1.5$ V                                 | 230 V AC $\pm 3.0$ V | 120 V AC $\pm 1.5$ V                               | 230 V AC $\pm 3.0$ V                                |
| Rated output current                         | 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 $\pm 10$ %                                  | 230 V AC $\pm 10$ %  | 120 V AC $\pm 10$ %                                | 230 V AC $\pm 10$ %                                 |
| Input frequency                              | 50 Hz or 60 Hz                                       |                      |  |   |
| AC connectors                                | 8  | 8                    | 8  | 6   |
| Maximum dimensions<br>Width x Height x Depth | 465 x 243 x 499 mm<br>18-5/16" x 9-9/16" x 19-41/64" |                      | 465 x 181 x 385 mm<br>18-5/16" x 7-1/8" x 15-5/32" | 465 x 181 x 396 mm<br>18-5/16" x 7-1/8" x 15-19/32" |
| Mass   | 42.1 kg  | 41.3 kg              | 24.4 kg  | 24.0 kg   |

#### 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

# T-1200

DDS TYPE FM STEREO TUNER



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

#### GUARANTEED SPECIFICATIONS

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

#### MAIN FEATURES

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

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

# C-47

STEREO PHONO AMPLIFIER



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

#### GUARANTEED SPECIFICATIONS (with normal gain setting)

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

#### MAIN FEATURES

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

• Supplied accessories: AC power cord / Audio cable with plugs ASL-10B

## MC Type Phono Cartridge

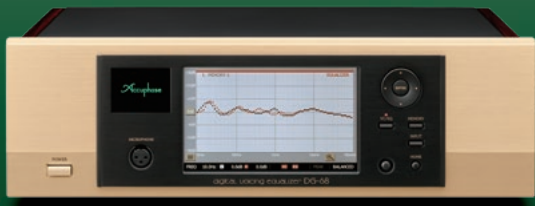
# AC-6



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

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

# DG-68 DIGITAL VOICING EQUALIZER



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

### GUARANTEED SPECIFICATIONS

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

### MAIN FEATURES

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

### Supplied accessories:

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

# DF-65 DIGITAL FREQUENCY DIVIDING NETWORK



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

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

### GUARANTEED SPECIFICATIONS AND MAIN FEATURES

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

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

### Supplied accessory: AC power cord

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

# AUDIO CABLES

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

### ASL/AL type

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

### ASLC/ALC type

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

### SR Series < 8-core multi-hybrid construction >



• 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  $\mu$ H/m

| Model No.   | Cable length             | Type of plug      |
|-------------|--------------------------|-------------------|
| ASL-10B     | 1.0 m $\times$ 2 cables  | Phono plug        |
| ASL-15B     | 1.5 m $\times$ 2 cables  |                   |
| ASL-30B     | 3.0 m $\times$ 2 cables  |                   |
| ASL-50B *   | 5.0 m $\times$ 2 cables  | Phono plug        |
| ASL-75B *   | 7.5 m $\times$ 2 cables  |                   |
| ASL-100B *  | 10.0 m $\times$ 2 cables |                   |
| ASLC-10B    | 1.0 m $\times$ 2 cables  | 3-P XLR connector |
| ASLC-15B    | 1.5 m $\times$ 2 cables  |                   |
| ASLC-30B    | 3.0 m $\times$ 2 cables  |                   |
| ASLC-50B *  | 5.0 m $\times$ 2 cables  | 3-P XLR connector |
| ASLC-75B *  | 7.5 m $\times$ 2 cables  |                   |
| ASLC-100B * | 10.0 m $\times$ 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 < Dual core construction >



• 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  $\mu$ H/m

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



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