

INTEGRATED STEREO AMPLIFIER

E-260

Revolutionary AAVA volume control
 Output stage with high-power transistors in parallel push-pull arrangement delivers high quality power: 90 watts x 2 into 8 ohms
 Instrumentation amplifier principle for power amplifier input stage allows fully balanced signal transmission
 Logic-control relays for shortest signal paths
 Strong power supply with massive high-efficiency transformer and large filtering capacitors
 EXT PRE button allows separate use of preamplifier and power amplifier sections
 Numeric indication of volume level



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Integrated amplifier with AAVA volume control – Power amplifier section featuring high-power transistors in parallel push-pull configuration, together with robust power supply, realizes low impedance in output stage. Rated for 90 watts of quality power into 8 ohms, with damping factor of 200. Current feedback amplifier topology assures excellent phase characteristics in high range, and instrumentation amplifier principle enables fully balanced signal transmission.

The Accuphase E-200 series of integrated amplifiers occupies a central position in the Accuphase lineup, and enjoys enduring popularity both in Japan and abroad. The E-260 stands firmly in this tradition, harnessing the technology advantages of the series in a new format. It represents a major overhaul of the E-250, reflecting latest design technology and featuring the same advanced AAVA volume control as the higher-ranked models E-560, E-460, and E-360. The result is a classy integrated amplifier that brings out the full musical splendor of every source. AAVA is a revolutionary principle that redefines the concept of volume control from the ground up, operating purely in the analog

domain for high performance and ultimate sound. Starting with the ultimate, top-of-the-line preamplifier C-3800, it has received high praise as a crucial ingredient for sonic excellence in preamplifiers and integrated amplifiers.

The preamplifier and power amplifier sections of the E-260 are separate circuits that rival discrete components in performance and sound. With a simple flick of the EXT PRE switch, the preamplifier can be detached from the power amplifier, allowing the sections to be used individually.

The power amplifier block is configured as an advanced instrumentation amplifier, which enables fully balanced signal transmission

throughout. Together with the highly acclaimed current feedback principle, this makes for even better electrical characteristics. In the output stage, high-power audio grade transistors are arranged in a parallel push-pull configuration which significantly enhances the capability to safely drive low-impedance loads.

Output operation is sustained by the power supply with a massive power transformer and large filtering capacitors. This provides high-quality power output of 115 watts x 2 into 4 ohms or 90 watts x 2 into 8 ohms, along with a damping factor of 200, thanks to the redesigned circuitry.

AAVA (Accuphase Analog Vari-gain Amplifier) Volume Control

AAVA is a radically different volume control principle that eliminates all variable resistors from the signal path and uses analog processing to provide top-notch performance and sound quality. Because the music signal is not affected by changes in impedance due to variable resistors, high signal-to-noise ratio and low distortion are maintained at any volume control setting.

■ Volume control resolution

AAVA adjusts the listening volume by means of 16 weighted V-I converter amplifiers which are controlled by current switches. The number of possible volume steps set by the combination of these converter amplifiers is 2 to the power of 16 = 65,536.

■ Input buffer amps use 5-MCS topology

One of the factors that have a bearing on possible noise in an AAVA arrangement is the input buffer design. By connecting five high-performance amps in parallel, excellent S/N ratio is assured.

■ AAVA maintains high S/N ratio and uniform frequency response

AAVA does not introduce a change in impedance at any volume setting. Consequently, there is no deterioration of S/N ratio, and frequency response remains totally uniform. The benefits are especially apparent at settings that correspond to normal listening levels, because the tonal quality is not altered in any way.

■ No more left/right tracking error or crosstalk

Because AAVA is an electronic circuit employing fixed-value resistors, there are virtually no left/right tracking differences even at very low volume levels. Since channels can be kept separate, crosstalk also ceases to be a problem.

■ AAVA means analog processing

The AAVA circuit converts the music signal from a voltage into a current, controls gain by means of current switches, and then reconverts the current into a voltage. The entire process is carried out in the analog domain.

■ Same operation feel as a conventional high-quality volume control

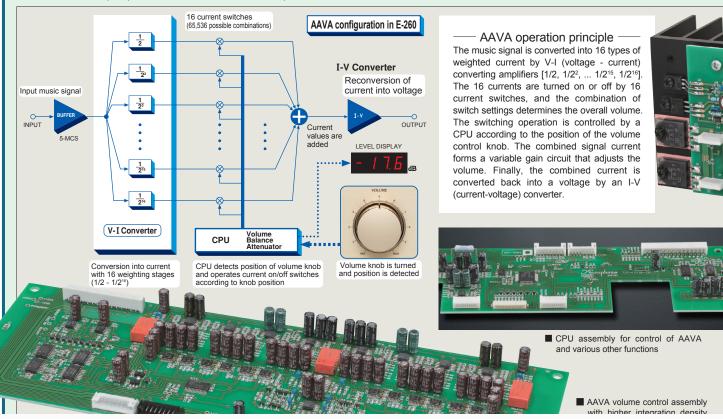
Operating the volume knob feels exactly the same as with a conventional control, and as before, operation via the remote commander is also possible.

Attenuator and balance control also implemented by AAVA

The functions of the attenuator and the left/right balance control are covered by the AAVA circuit as well, eliminating the need for additional circuit stages. Keeping the configuration simple helps to maintain high performance and sonic purity.

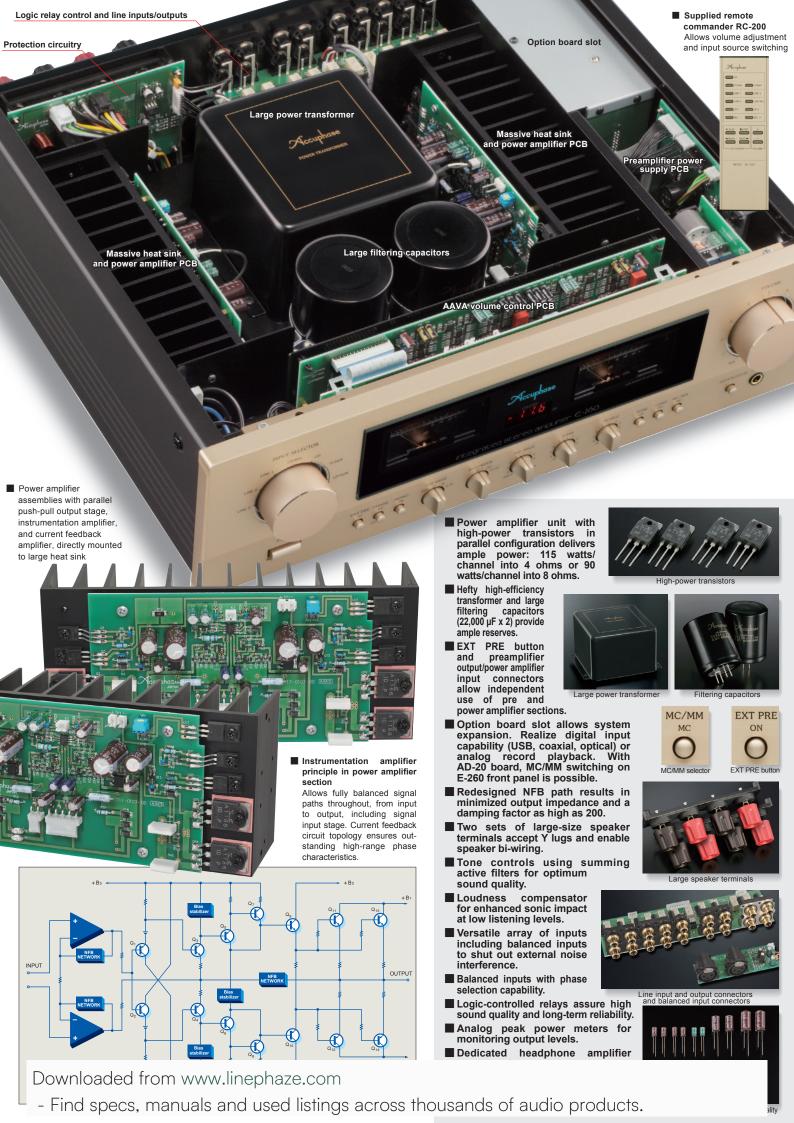
■ Display shows volume level as numeric value

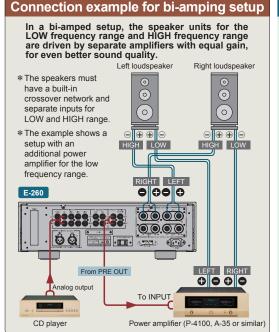
The volume level (degree of attenuation) as set with AAVA is shown as a numeric indication in the center of the front panel. The indication ranges from MAX (0 dB) to MIN (lowest setting).



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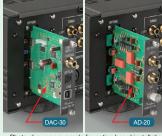
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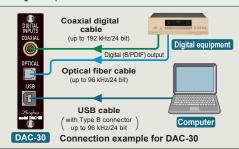


Option Boards

- The E-260 provides one slot for an option board on the rear panel.
- Option boards can be used to implement direct connection of digital signals for high-quality music playback, or to implement high-quality playback of analog records.
- The Analog Disc Input Board AD-9/AD-10 can also be used. In this case, the MC/MM button



on the front panel of the E-260 has no effect. MC/MM switching must be performed on the board.



Digital Input Board

Features a high-accuracy MDS (Multiple Delta Sigma) ++ type D/A converter for impeccable sound. The USB port allows connection to a computer with a downloaded music library for playback of high-resolution data with optimum sound quality.

- COAXIAL: 75-ohm coaxial cable
- Sampling frequency 32 kHz 192 kHz, 24 bit resolution
 OPTICAL: Optical fiber cable
 - - Sampling frequency 32 kHz 96 kHz, 24
 - USB cable (with Type B connector) Sampling frequency 32 kHz - 96 kHz, 24 bit resolution

Analog Disc Input Board

This board serves for playback of analog records. It contains a high-performance, high-gain phono equalizer.

- MC/MM switching is possible on the front panel of the E-260.
- Internal DIP switches control MC input impedance and subsonic filter on/off.

Gain: 62 dB Input impedance: 10/30/100 ohms (selectable) MM Input impedance: 47 kilohms

Line Input Board

LINE-10

This option board provides an additional set of unbalanced line inputs.

■ Front panel



Rear panel



- Input selector LINE 3 / LINE 2 / LINE 1 / CD-BAL / CD TUNER / OPTION
- Peak power meters
- 3 Volume level indication
- Power switch
- 5 Preamplifier/Power amplifier separator (EXT PRE)
- 6 Phase selector
- Mono/Stereo selector
- Speaker selector 9 Recorder selector
 - OFF / ON / PLAY
- Balance control Bass control
- Treble control

- 1 Tone control ON/OFF button
- Loudness compensator ON/OFF button
- MC/MM selector
- Attenuator ON/OFF button
- Headphone jack B Line inputs
- TUNER / CD / LINE 1, 2, 3
- Recorder inputs and outputs
- Preamplifier outputs
- Power amplifier inputs
- Left/right speaker output terminals (2 sets, A/B)
- CD inputs (balanced)
- AC power connector *

E-260 Guaranteed Specifications

[Guaranteed specifications are measured according to EIA standard RS-490.]

- Continuous Average Output Power (both channels driven, 20-20,000 Hz)
 - 115 watts per channel into 4 ohms 105 watts per channel into 6 ohms 90 watts per channel into 8 ohms
- Total Harmonic Distortion (both channels driven, 20-20,000 Hz) 0.05% with 4 to 16-ohm load
- Intermodulation Distortion 0.01%
- Frequency Response HIGH LEVEL INPUT/POWER INPUT
 - 20 20,000 Hz +0, -0.2 dB (for rated continuous average output) 3 - 150,000 Hz +0, -3.0 dB (for 1 watt output)
- Damping Factor 200 (For rated output with 8-ohm load, 50 Hz)

+6 dB (100 Hz)

 Input Sensitivity. Input Impedance

	Input	Input sensitivity		Input
		For rated output	For 1 W output (EIA)	impedance
	HIGH LEVEL INPUT	134 mV	14.2 mV	20 kilohms
	BALANCED INPUT	134 mV	14.2 mV	40 kilohms
	POWER INDIT	1.07.1/	113 m\/	20 kilohme

Output Voltage, **Output Impedance** PRE OUTPUT: 1.07 V, 50 ohms (at rated continuous average output)

Gain

HIGH LEVEL INPUT → PRE OUTPUT: 18 dB POWER INPUT OUTPUT: Turnover frequency and adjustment range

Tone Controls

300 Hz ±10 dB (50 Hz) TREBLE: 3 kHz ±10 dB (20 kHz)

Loudness Compensation

-20 dB Attenuator

Signal-to-Noise Ratio

lanut	Input shorted (A weighting)	EIA S/N
Input	S/N ratio at rated output	
HIGH LEVEL INPUT	105 dB	95 dB
BALANCED INPUT	91 dB	94 dB
POWER INPUT	122 dB	101 dB

Power Level Meters

Logarithmic compression, peak reading meters, output dB/% scale

 Load Impedance 4 - 16 ohms

Stereo Headphones

Suitable impedance: 8 ohms or higher

Power Requirements

AC 120 V/220 V/230 V 50/60 Hz (Voltage as indicated on rear panel)

Power Consumption

245 watts in accordance with IEC 60065

Maximum Dimensions

Width 465 mm (18-5/16") Height 151 mm (5-15/16")

Supplied accessories: AC power cord

Remote commander RC-200

Depth 420 mm (16-1/2") 20.0 kg (44.0 lbs) net

26.0 kg (57.3 lbs) in shipping carton

Remarks

- ★ This product is available in versions for 120/220/230 V AC. Make sure that the voltage shown on the rear panel matches the AC line voltage in your area.
- 230 V version has an Eco Mode that switches power off after 120 minutes of inactivity.

OFF / A / B / A+B

★ The shape of the AC inlet and plug of the supplied power cord depends on the voltage rating and destination country.



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