

### PRECISION INTEGRATED STEREO AMPLIFIER

E-5000

● Integrated amplifier with fully balanced configuration extending from input to output ● Balanced AAVA volume control ● Power amplification stage configured as instrumentation amplifier ● Five-fold parallel push-pull configuration of power transistors driven in Class AB ● High power output of 240 watts into 8 ohms / 320 watts into 4 ohms ● High damping factor of 1,000 ● Strong power supply with massive high-efficiency toroidal transformer and high-voltage, large filtering capacitors ● Protection circuitry using MOS-FET switches





## High-output integrated amplifier featuring Balanced AAVA

The E-5000 is the flagship high-power Class AB integrated amplifier developed to mark Accuphase's 50-year 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. With its precisely balanced circuits and solidly built output stage, the E-5000 integrated amplifier presents every piece of music in exquisite detail.

### Innovation – The leading edge of technology

#### Balanced AAVA volume control

Conventional preamplifiers use variable resistors to adjust volume, which causes contacts to deteriorate and create grit as well as increase noise at normal volume levels. AAVA, however, produces multiple, widely varying signals from the input signal and controls volume by changing the combination of those signals. This achieves minimum noise at all volume levels without any grit. The E-5000 with its balanced AAVA circuits delivers exceptional noise suppression performance.



#### Quiet and smooth volume sensor design

The AAVA controls the volume levels by using its volume sensor to detect the position of the volume knob and then changing the combination of those signals. Accuphase developed the volume sensor in-house, using robust and heavy materials and crafting it using an aluminum block extrusion process to achieve smooth operations, a solid operation feel, and precise position detection when rotating the knob. It also suppresses operation sounds when using the Remote Commander to allow for quiet and pleasant volume adjustment.

## <u>Sound quality – Simply aiming for the best</u>

#### Formidable power amplification stage

The power amplification stage on both the left and right sides is equipped with a large heat sink and employs five-fold parallel push-pull power transistors driven in Class AB to provide rated, high-power output of 240 watts into 8 ohms and 320 watts into 4 ohms.

#### High damping factor brings out the full potential of the loudspeakers

The damping factor represents the amplifier's ability to drive the speakers. A damping factor of 1,000 (guaranteed) extracts the maximum potential from the loudspeakers.

#### Power supply circuitry designed for optimum stability

A strong power supply featuring a massive toroidal transformer and two high-voltage, large filtering capacitors (40,000  $\mu$ F/100 V) offers a stable power supply at all times.



Massive toroidal transforme



Large filtering capacitors









# When style



# matters



# Advanced features

- Balanced AAVA volume control
- Highly reliable logic-control signal switching relays Ample input connectors (Five line level and two balanced)
- Line level input and output connectors for a recorder
- Individual phase setting for each input
- Stereo signal can be switched to monophonic operation
- Left / right balance control through Balanced AAVA
- Volume attenuator that can instantly reduce sound as low as -20 dB
- Loudness compensator to adjust audible sonic balance
- Tone controls using summing active filters
- Power amplification stage employs instrumentation amplifier principle
- Current feedback amplification circuit topology assures excellent phase characteristics in high range
- Speaker output protection circuit guards against short-circuiting
- Protection circuitry using low impedance, highly reliable MOS-FET switches
- Two massive speaker connectors for output switching and simultaneous output
- Line level and balanced outputs at the preamplifier section support bi-amping connection
- Line level and balanced inputs at the power amp section allow use as a power amplifier
- Dedicated, high-quality headphone amplifier constructed with discrete components
- Two expansion slots for option boards [When AD-50 / AD-30 / AD-20 is installed] • MC / MM switching from the front panel [When DAC-60 / DAC-50 / DAC-40 is installed]
- DAC switching from the front panel · Sampling frequency display of digital input signal







Supplied Remote Commander **RC-250** 



- OSpeaker output selector
- Bass control
- Treble control
- OTONE control on / off button
- OPhase selector button
- Mono / stereo selector button Loudness compensator on / off button
- ODAC input selector button
- 9MC / MM selector button
- Display mode selector button
- Balance control
- Preamplifier / power amplifier separator switch BRecorder selector





Accuphase



Speaker terminals connected directly to protection circuitry



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Sampling frequency display (When DAC-60 is installed)

OLUN



\*: At rated continuous average output

Supplied accessories • AC power cord

Remote Commander RC-250

#### 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

The 230 V version has an Eco Mode that switches power off after 120 minutes of inactivity.
The shape of the plug of the supplied AC power cord depends on the voltage rating and destination country.



 The specifications and appearance of this product are subject to change without notice https://www.accuphase.com/

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