Class-A
Integrated Stereo Amplifier
E-600

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E-600 is a succession model of E-560 and flag ship integrated amplifier of Accuphase.
We name it E-600 instead of E-five hundred something because the progress is more than ‘change of model’.

Evolution from E-560 to E-600

- Up-to-date LED bar graph meter

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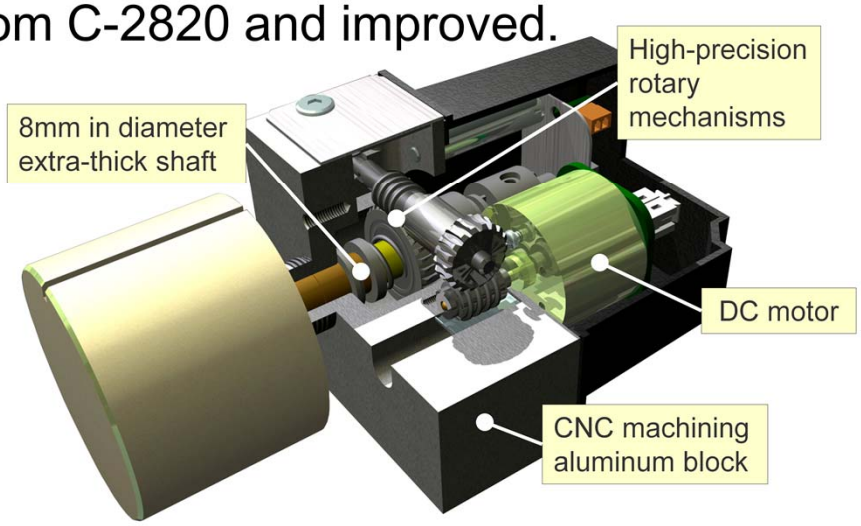
The big difference in appearance is LED bar graph meters instead of needle meters.

Evolution from E-560 to E-600

- Volume sensor mechanism is taken over from C-2820 and improved.



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Precise and well-designed volume sensor mechanism is installed.

The volume mechanism is modified from C-2820's.

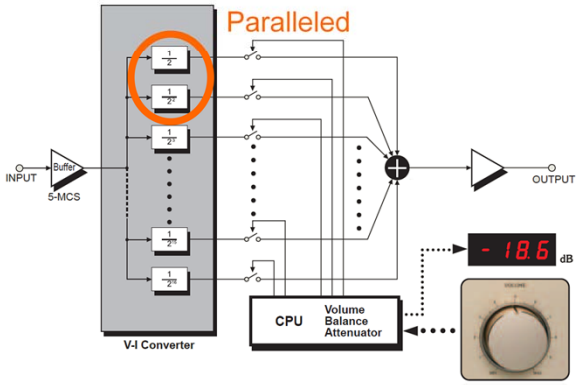
It is consisted of CNC machining aluminum block, extra-thick shaft and so on.

The volume knob provides very smooth touch and feel.

The drive sound by a remote commander becomes more silent than before.

Evolution from E-560 to E-600

- AAVA re-designed for low noise
  - Paralleled V-I converter in larger two units
  - 5dB lower noise than E-560



AAVA: Accuphase Analog Vari-gain Amplifier

AAVA is re-designed to achieve low noise.

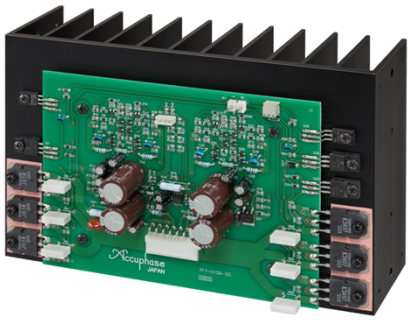
AAVA in E-600 achieves low noise by the paralleled buffer amplifier and paralleled V-I converter in larger two units.

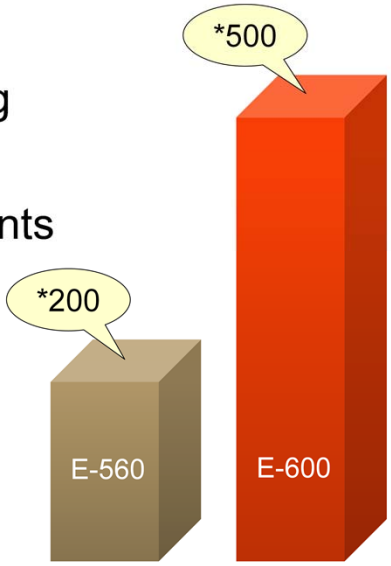
Then the input stage of power amplifier is low-noised.

As a result, the overall noise of E-600 is 56%(-5dB) of E-560.

Evolution from E-560 to E-600

- Higher Damping-factor
  - Balanced Remote-sensing
  - MOS-FET switch
  - Low impedance components





*Guaranteed spec.

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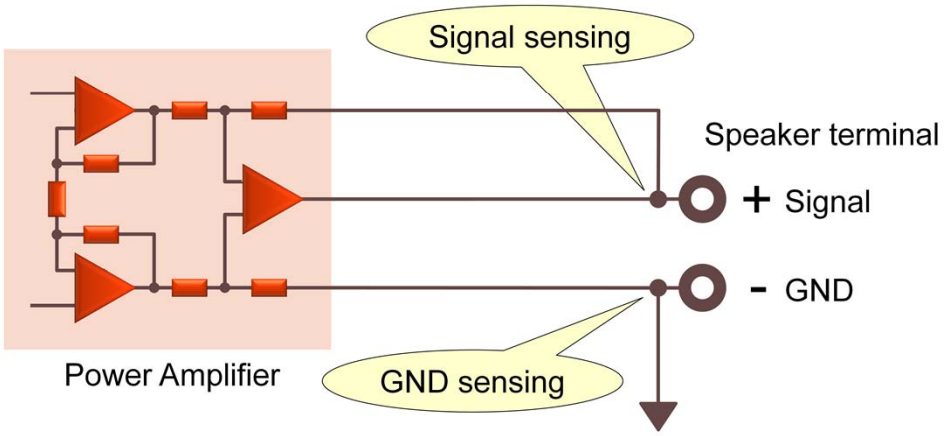
The Damping-factor is an index of speaker driving ability.
By using Balanced Remote-sensing, MOS-FET switch and Low impedance components, E-600 achieves higher Damping-factor than E-560.
E-560 is 200 and E-600 is 500.
It is 2.5 times higher.

*Damping-factor = 8 ohm / Zo
Zo : Output impedance of amplifier
By CEA-490-A R-2008 standard

Balanced Remote-sensing

- Feedback from speaker terminal proximity
- Signal-line and GND-line sensing



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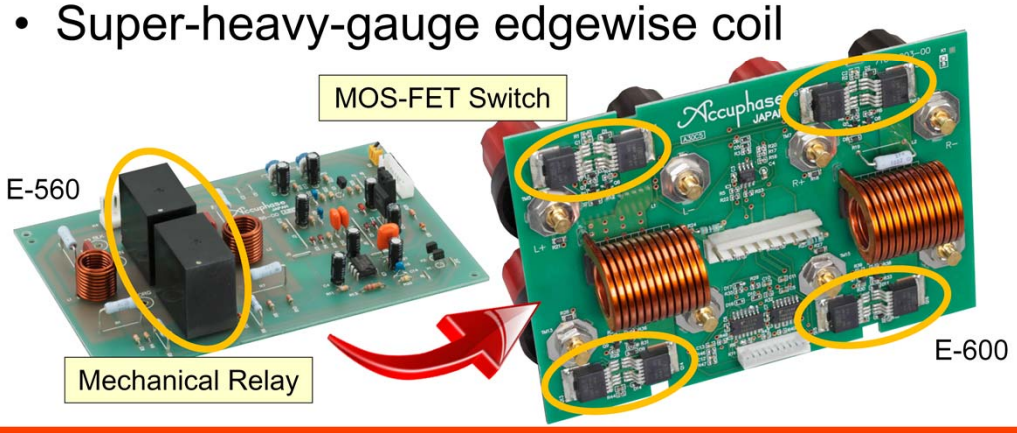
Remote-sensing is the technique to lower the output impedance of amplifier by the negative feedback with signal sensing from close up the speaker terminals.

Balanced Remote-sensing is the technique to make impedance even lower by GND sensing and the negative feedback of GND level with adding the signal sensing.

Not only Damping-factor is improved but also Total Harmonic Distortion and Intermodulation Distortion get better by Balanced Remote-sensing.

MOS-FET switch and Coil

- Speaker protection using MOS-FET switch
  - Assures long-term reliability, Higher Damping-factor and Improved sound quality
- Super-heavy-gauge edgewise coil



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MOS-FET switch is mounted on the speaker protection.
Generally, a mechanical relay is used for the power-amp output for speaker protection.
E-600 replaces a mechanical relay with MOS-FET switch.
As a result, the reliability, Damping-factor and sound quality is improved.
Super-heavy-gauge edgewise coil is chosen because the DC-resistance is extremely low.
Output coil is essential for stable power amplifier movement.

*On-resistance of MOS-FET used for E-600: 2.6mOHM

Further more …

- Ready for new option board DAC-40
  - – Sampling frequency on the front display

- Balanced Pre-Output and Power-Input

- High-quality remote controller

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E-600 accepts the new digital input board, DAC-40.
You can see the figure of music signal sampling frequency input into DAC-40 on the front panel display.
Balanced-type input and output are additionally equipped as Pre-Output and Power-Input.
The remote commander is elegant and high-quality.