



Stereo Tube Power Amplifier

AT-100

Cutting Edge Tube Technology from ESOTERIC



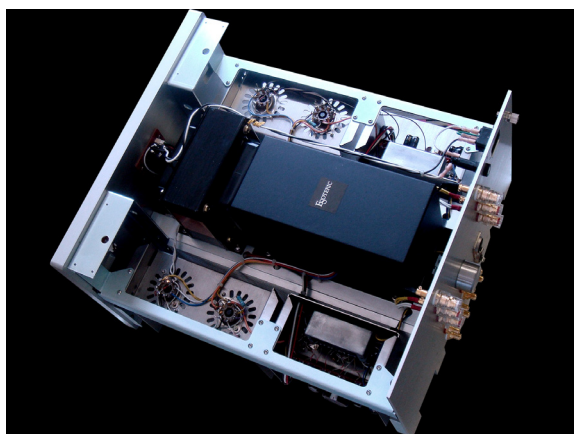
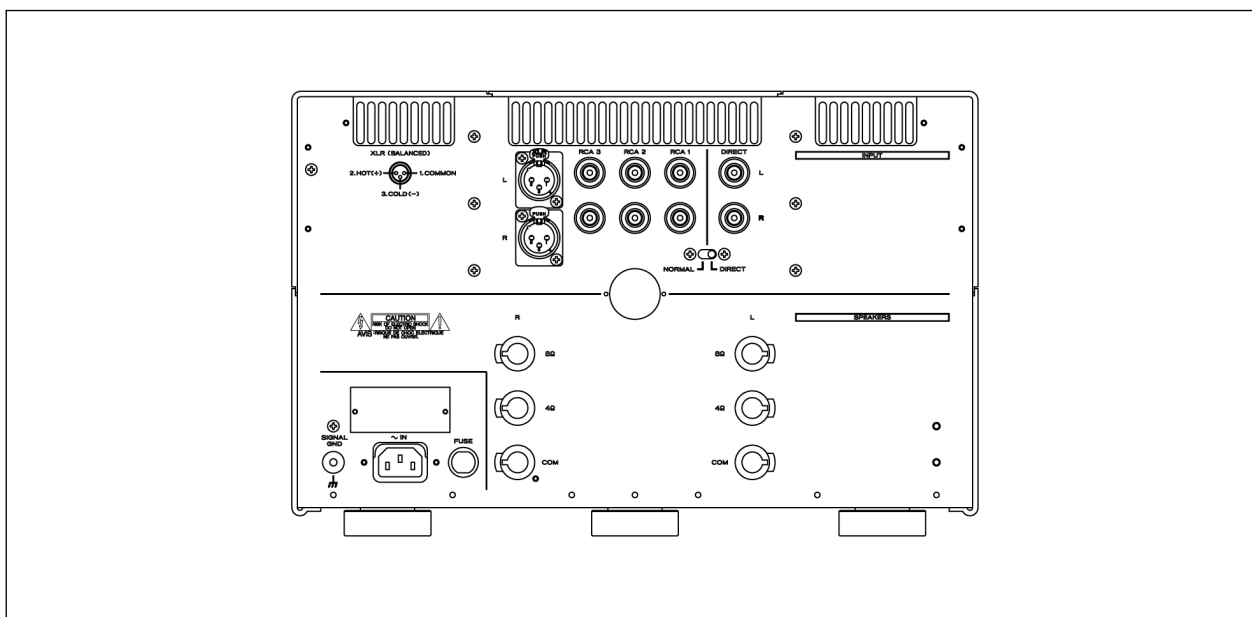
ESOTERIC is proud to introduce a stereo tube power amplifier incorporating exceptionally high quality and "cutting edge," tube technology.

The AT-100 provides 50W / ch output power from KT-88's in UL-Push / Pull operation driven with a direct coupled cathode follower. The cathode follower and voltage amplification stage is directly coupled to form a triple stage by combining unique VBC and ZVS circuits.

The AT-100 is truly an innovation leading conventional tube technologies to the "Next level!"

- **VBS circuit**
VBS (variable self-bias system) is an advanced active biasing circuit. It actively compensates the bias voltage supplied to the output stage detecting the cathode current and the driving level. High linearity and superior performance of the output stage is achieved by optimal bias voltage control from the VBS circuit.
- **ZVS circuit (PAT.P)**
The innovative ZVS (zero voltage control system) circuit stabilizes the cathode follower DC output level to keep stable operation of the directly-coupled circuit components. This occurs in an end to end process from the driver stage to the output stage.
- **Custom output transformer**
The AT-100 features a newly designed custom output transformer to achieve highly delicate and precise musicality. The amplifier uses specially treated copper foil as the 2nd order coil. This design achieves very tight coupling properties between the 1st order coil.
- **Stabilized power supplies**
All stages except the KT-88 stage are powered by fully stabilized power supplies. The AT-100 reproduces an exceptionally deep and finely detailed sound stage thanks to this innovative power supply implementation.

- **DC powered tube heater**
All tubes except the KT-88 are DC heated. Hum noise is greatly reduced by this heater design.
- **Mechanical chassis construction**
Power supply and output transformer are held by an extremely rigid 'H' structure and circuit components reside in a block configuration surrounding this mainframe design. The massive chassis construction keeps the unit from unwanted vibration and induced noise between circuit components.
- **Input selector / volume attenuator**
The AT-100 is designed for pure power amplification but it also works as an integrated amplifier by selection from an operating switch on the rear panel which activates an input selector (RCA x3 / XLR x1), and also a high quality volume attenuator.
- **Remote controller**
A remote control with illuminated keys for integrated amplifier mode operation is included.



- Design and specifications are subject to change without notice

Tubes used in the AT-100 include:
12-AT7 x 2
12-Au7 x 4
KT-88 x 4

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