

**AMP 60  
AMP 120  
AMP 250**

**Amplifiers  
for Permanent  
Installation**



**FEATURES**

- Choose 60, 120 or 250-Watt Models
- Mic, Tel and Program Inputs
- Use in 25/70.7 - Volt and 4/8-ohm systems
- Program Muting Circuitry
- Separate Treble and Bass Tone Controls

**DESCRIPTION**

The Penton Audio Ateis Line of 6-channel transistor-powered mixer/amplifiers designed for use in permanent commercial sound installations. Versatile models are conservatively rated at 60, 120 and 250-watts RMS into 25-volt, 70.7-volt, 4-ohm and/or 8-ohm loads.

Features include separate treble and bass controls, microphone, telephone and program input with built-in program-muting circuitry. Inputs and outputs are via dependable screw terminals, RCA jacks, or XLR inputs.

All models rest on four durable cushioned pads and are finished in black with easy-to-read, white-on-black knobs. Output protection consists of current limiting, transient suppression diodes and circuit breakers. Models have a 16-gauge CRS chassis with detachable power cord, 6' in length.

**APPLICATION**

Models were designed with the accurate reproduction of voice announce, paging and background music in mind. They are ideally suited for applications such as restaurants, country clubs, halls, sports venues, factories, retail stores, warehouse, churches, transportation facilities and other public areas.

The program section receives stereo input from cassette recorders, CD players, TVs or broadcast transmission and reproduces it in monaural. An aux RCA jack is provided to accept post preamplifier sources.



**SPECIFICATIONS**

**POWER OUTPUT (RMS)**

- AMP60: 60 watts
- AMP120: 120 watts
- AMP250: 250 watts

**DISTORTION:**

Less Than 1% at Rated Output

**FREQUENCY RESPONSE**

- Program: 40-15kHz ± 1dB
- Telephone: 40- 15kHz ± 1dB
- Microphone: 50-15kHz ± 2dB

**HUM AND NOISE (BELOW -44 DBM)**

- Program Input: -75 dB
- Telephone Input: -75 dB
- Microphone Input: -55 dB

**GAIN**

- Program Input: 55 dB
- Telephone Input: 55dB
- Microphone Input: 107 dB

**MUTING**

Microphones: Mic 1 VOX Priority over channel 3-6, with mute defeat button  
Tel. Input: VOX Priority muting over channel 1-6

**SENSITIVITY CONTROL:**

Channel 1-5 on front panel and channel 6 on rear panel.

**INPUT AND OUTPUT CONNECTION:**

Channel 1-5: choose screw terminal, XLR or RCA  
Channel 6: RCA only  
Output: screw terminal

**INPUT AND OUTPUT CONNECTION:**

Screw Terminals

**MOUNTS:**

Four Cushioned Pads (Provided) or RB-1 Optional Rack-Mount Accessory

**POWER SUPPLY:**

Switchable 120-240 volts

**SUPPLIED AC OUTLET:**

One Grounded 120-volt (300 watts maximum)

**CIRCUIT BREAKER PROTECTION**

**ADJUSTMENT KNOBS:**

Plastic -Black Trimmed in White

**HOUSING MATERIAL:**

Cold Rolled Steel

**FINISH:**

Black

**DIMENSIONS, INCH (MM):**

17"W x 3.5"H x 13.5"D

**NET WEIGHT LBS (KGS)**

- AMP60: 17 lbs.
- AMP120: 19
- AMP250: 22 lbs.

## AMP60/AMP120/AMP250

### ARCHITECTS' AND ENGINEERS' SPECIFICATIONS:

Unit shall be Penton Audio USA Model (Amp60, AMP120 or AMP250) amplifier or approved equal. Outputs shall be via screw terminals. 600-ohm unbalanced telephone inputs shall also be via screw terminals.

The Program input shall be via RCA connectors with a separate RCA aux output/input connector included for post preamplifier input.

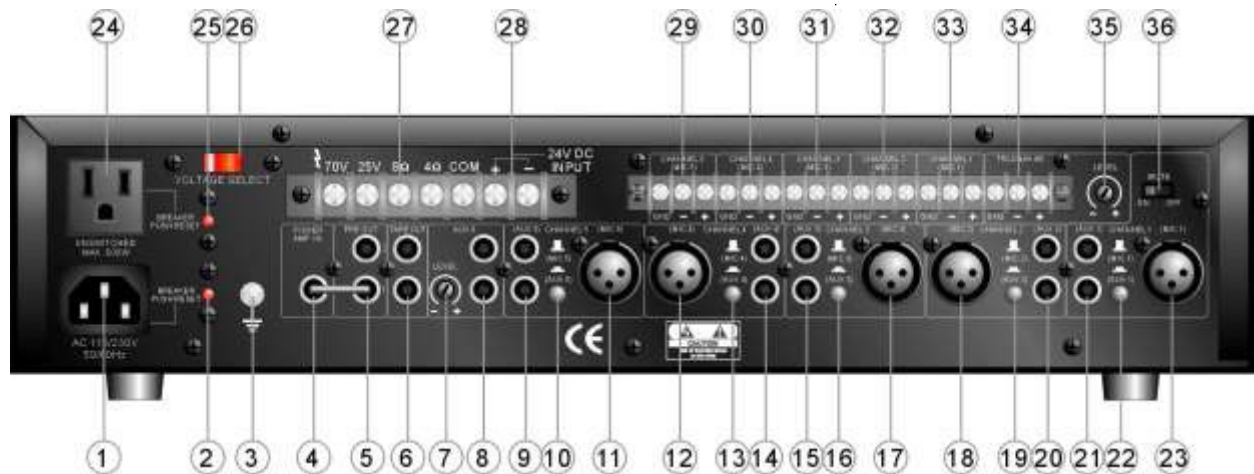
Preamplifier section shall include built-in program input muting circuitry for the microphone and telephone inputs. It shall also contain bass and treble tone controls mounted on the front panel.

Cold-rolled steel chassis shall be finished in black, have an attached 6' long, SVT 18-3 type cable, grounded for North America and a 330W (maximum, grounded 120VAC socket. It shall measure a maximum of 14" wide, 3.5" high and 9.25" deep. Unit shall be furnished with four cushioned pads.

(The AMP60 shall be rated at 60 watts RMS into 4-ohm, 8-ohm, 25-volt and 70.7-volt loads.)

(The AMP120 shall be rated at 120 watts RMS into 4-ohm, 8-ohm, 25-volt and 70.7-volt loads.)

(The AMP250 shall be rated at 250 watts RMS into 4-ohm, 8-ohm, 25-volt and 70.7-volt loads.)



1. IEC Socket Used for A/C Line Interconnect
2. Circuit Breaker for Amplifier
3. Earth Ground Connection Screw
4. Power Amplifier Input (RCA Jack)
5. Pre Output (RCA Jack)
6. Tape Output (RCA Jack)
7. Aux 6 Level Control
8. Aux 6 Input (RCA Jack)
9. Aux 5 Input (RCA Jack)
10. MIC 5/Aux 5 Selector Switch\*
11. MIC 5 Input (XLR Jack)
12. MIC 4 Input (XLR Jack)
13. MIC 4/Aux 4 Selector Switch\*
14. Aux 4 Input (RCA Jack)
15. Aux 3 Input (RCA Jack)
16. MIC 3/Aux 3 Selector Switch\*
17. MIC 3 Input (XLR Jack)
18. MIC 2 Input (XLR Jack)
19. MIC 2/Aux 2 Selector Switch\*
20. Aux 2 Input (RCA Jack)
21. Aux 1 Input (RCA Jack)
22. MIC 1/Aux 1 Selector Switch\*
23. MIC 1 Input (XLR Jack)
24. Convenience Outlet
25. Circuit Breaker for Convenience Outlet
26. Supply Voltage (115V/230V) Selector Switch
27. Speaker Output Terminals
28. DC Power Supply Terminals
29. MIC 5 Input (Screw Terminals)
30. MIC 4 Input (Screw Terminals)
31. MIC 3 Input (Screw Terminals)
32. MIC 2 Input (Screw Terminals)
33. MIC 1 Input (Screw Terminals)
34. Tel Page Input (Screw Terminals)
35. Tel Page Level Control
36. MIC 1 Mute Switch Mute On enables mute of chl. 1 over Channels. 3-6

\* Switch selects between RCA Line inputs and Microphone level, either screw or XLR input