

AMP60 AMP120

Amplifiers for Permanent Installation



FEATURES

- Choose 60 or 120-watt Models
- Microphone, Telephone 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 and 120-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: 10 watts
AMP120: 25 watts

DISTORTION:

Less Than 1% at Rated Output

FREQUENCY RESPONSE

Program: 40-15kHz \pm 1dB
Telephone: 40- 15kHz \pm 1dB
Microphone: 50-15kHz \pm 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: 55 dB
Microphone Input: 107 dB

MUTING

Microphones: Mic 1 VOX Priority over channel 326, with mute defeat button
Tel. Input: VOX Priority muting over channel 126

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:

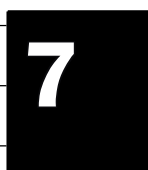
Black

DIMENSIONS, INCH (MM):

17"W x 3.5"H x 13.5"D

NET WEIGHT LBS (KGS)

AMP60: 17 lbs
AMP120: 19 lbs.



AMP60 AMP120

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS:

Unit shall be Penton Audio USA Model (TM10, TM25, TM60) amplifier or approved equal. Outputs shall be via screw terminals. 600-ohm unbalanced telephone inputs shall also be via screw terminals.

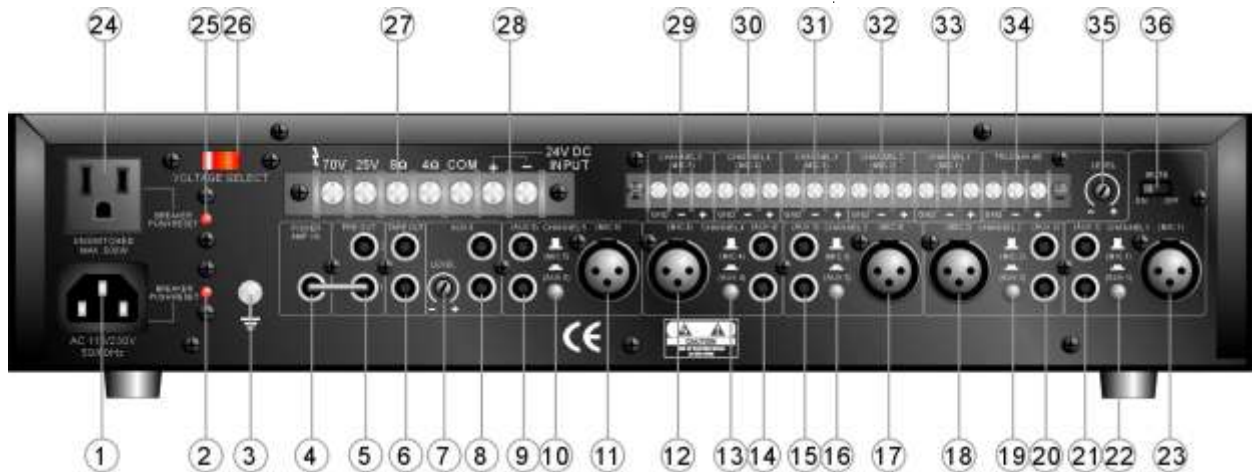
The Program input shall be via RCA connectors with a separate RCA aux output/input connector included for post preamplifier input.

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 120 VAC 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.)



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| <ul style="list-style-type: none"> 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) | <ul style="list-style-type: none"> 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 chls. 3-6 |
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* Switch selects between RCA Line inputs and Microphone level, either screw or XLR input