

AMP60 AMP120

Amplifiers for Permanent Installation



1

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.

APPLICATIONS

Models were designed with 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, warehouses churches, transportation facilities and other public areas.

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



SPECIFICATIONS

POWER OUTPUTS (RMS):

AMP60: 60 watts
AMP120: 120 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: 75 dB
Telephone Input: 75 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 pabel 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:

Yes

ADJUSTMENT KNOBS:

Plastic - Black Trimmed in White

HOUSING MATERIAL:

Cold Rolled Steel

FINISH:

Black

DIMENSIONS, INCH:

17" W x 3.5" H x 13.5" D

NET WEIGHT (LBS):

AMP60: 17 lbs.
AMP120: 19 lbs.

AMP60 AMP120

Amplifiers for Permanent Installation



2

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

Unit shall be Penton Audio USA Model (TM10, TM25, TM60) amplifier or approved equal. Outputs shall be via screw terminals.

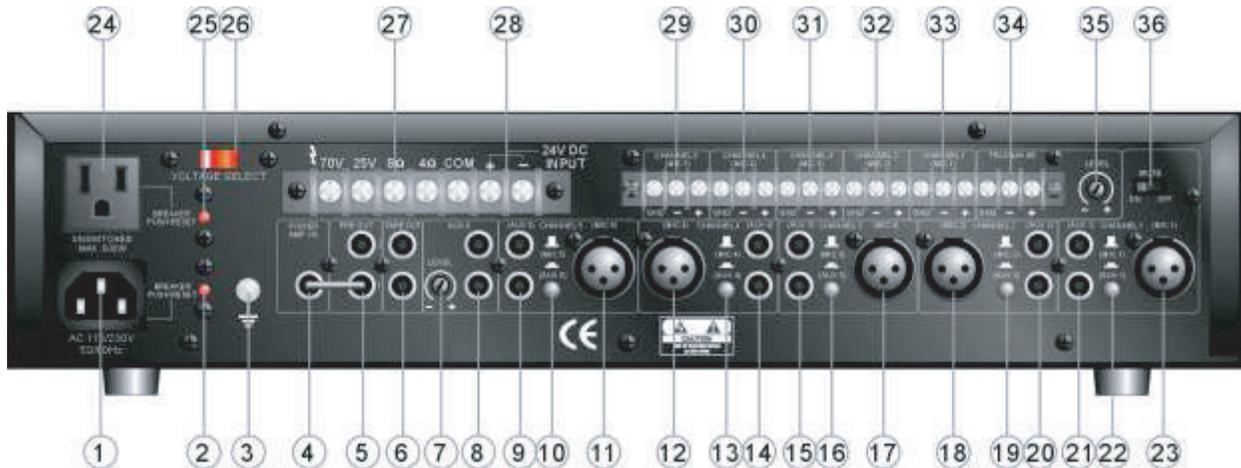
The Program input shall be via RCA connectors with a separate RCA aux output/input connector included for post preamplifier input.

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 and have an attached 6' long SVT 18-3 type cable, grounded for North American 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.



- | | |
|--|---|
| 1. IEC Socket Used for A/C Line Interconnect | 19. MIC 2/Aux 2 Selector Switch* |
| 2. Circuit Breaker For Amplifier | 20. Aux 2 Input (RCA Jack) |
| 3. Earth Ground Connection Screw | 21. Aux 1 Input (RCA Jack) |
| 4. Power Amplifier Input (RCA Jack) | 22. MIC 1/Aux 1 Selector Switch* |
| 5. Pre Output (RCA Jack) | 23. MIC 1 Input (XLR Jack) |
| 6. Tape Output (RCA Jack) | 24. Convenience Outlet |
| 7. Aux 6 Level Control | 25. Circuit Breaker For Convenience Outlet |
| 8. Aux 6 Input (RCA Jack) | 26. Supply Voltage (115V/230V) Selector Switch |
| 9. Aux 5 Input (RCA Jack) | 27. Speaker Output Terminals |
| 10. MIC 5/Aux 5 Selector Switch* | 28. DC Power Supply Terminals |
| 11. MIC 5 Input (XLR Jack) | 29. MIC 5 Input (Screw Terminals) |
| 12. MIC 4 Input (XLR Jack) | 30. MIC 4 Input (Screw Terminals) |
| 13. MIC 4/Aux 4 Selector Switch* | 31. MIC 3 Input (Screw Terminals) |
| 14. Aux 4 Input (RCA Jack) | 32. MIC 2 Input (Screw Terminals) |
| 15. Aux 3 Input (RCA Jack) | 33. MIC 1 Input (Screw Terminals) |
| 16. MIC 3/Aux 3 Selector Switch* | 34. Tel Page Input (Screw Terminals) |
| 17. MIC 3 Input (XLR Jack) | 35. Tel Page Level Control |
| 18. MIC 2 Input (XLR Jack) | 36. MIC 1 Mute Switch Mute On enables
mute of ch1. 1 over chs. 3-6 |

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