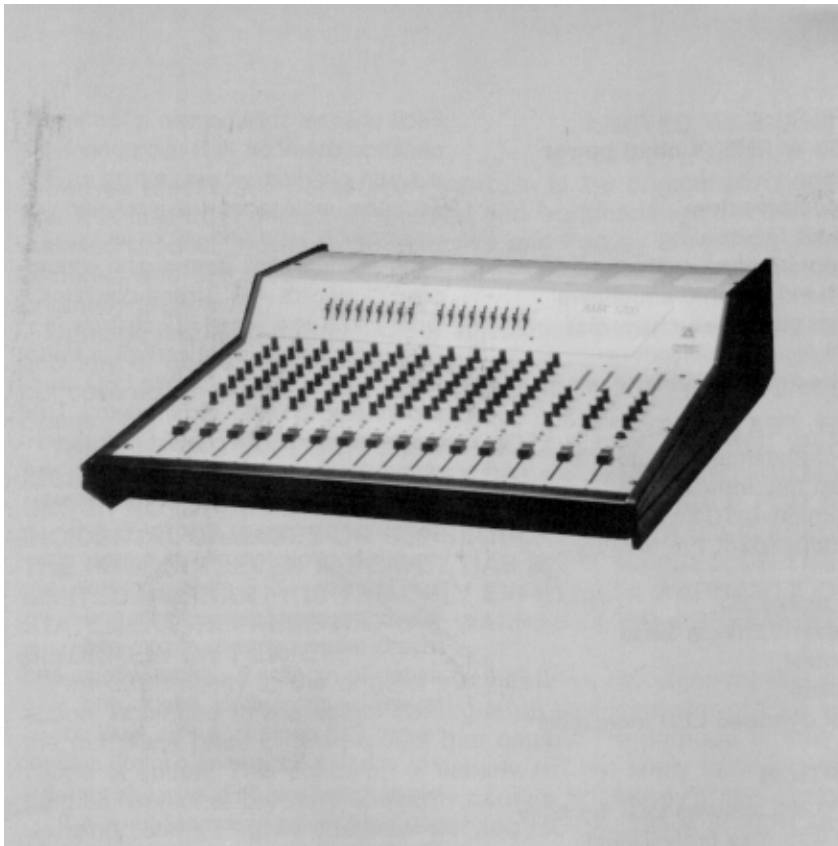


PEAVEY[®]
ARCHITECTURAL ACOUSTICS[®]

AMA[™] 1200 Powered Mixing Console

SPECIFICATIONS



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CHANNEL

Equivalent Input Noise:

-112 dBV (150 ohm, 25 degrees C., 30 dB gain)
-113 dBV (150 ohm, 25 degrees C., 40 dB gain)
(Mic Input to Channel Pre Send)

Frequency Response:

± dB 20-20,000 Hz all EQ Flat

Distortion:

Less than .05% @ 0 dB output 40 dB gain
Typical .01% @ 0 dB output 30 dB gain
(Mic input to L or R outputs, EQ flat, sliders at 0)

Input Impedance:

Low Z Bal = 3K ohms
High Z In = 100K ohms
Return = 20K ohms

Output Impedance:

Send = 100 ohms

High EQ:

± 15 dB @ 10 kHz minimum
Center detent flat ± 2 dB

Mid EQ:

± 12 dB @ 650 Hz minimum
Center detent flat ± 2 dB

Low EQ:

± 15 dB @ 50 Hz minimum
Center detent flat ± 2 dB

Maximum Preamp Gain: (Low Z Input to Channel Send)

40 dB

Maximum Preamp Gain: (High Z Input to Channel Send)

30 dB

Minimum Preamp Gain:

-40 dB

Maximum Channel Gain:

(Pan at L or R, slide @ max, EQ flat)
56 dB

Maximum Input Level:

Low Z Bal = +8.6 dBV (2.7 V RMS)
High Z In = +18 dBV (8 V RMS)
Return = +18 dBV (8 V RMS)

Maximum Output Level:

Send = +18 dBV (8 V RMS)

Nominal Input Level:

Low Z Bal = -25 dBm (45 mV, -27 dBV)
High Z In = -18 dB (100 mV, -20 dBV)
Return = 0 dBV (1.0 V RMS)

Headroom:

Nominal = 18 dB
Red LED = 3 dB

Pan Characteristics:

2 dB down @ mid position

LED Level:

+15 dBV (15.6 dBV)

MASTER

LED Meter Calibration:

0 = 0 dBV (1.0 V RMS)

Nominal Output Level:

Master: = +0 dBV (1.0 V RMS)
L & R: = +0 dBV (1.0 V RMS)
Monitor A & B: = +0 dBV (1.0 V RMS)
Effects: High = 0 dBV (1.0 V RMS)
Low = -12 dBV (.25 V RMS)

Nominal Headroom:

Master: = 18 dB
L & R: = 18 dB
Monitor A & B: = 18 dB
Effects A & B: = 18 dB

Maximum Output Level:

Master: = +18 dBV (8 V RMS, +20 dBV)
L & R: = +18 dBV (8 V RMS, +20 dBV)
Monitor A & B: = +18 dBV (8 V RMS, +20 dBV)
Effects A: High = 18 dBV (9.0 V RMS, +20 dBV)
Low = 6 dBV (2.0 V RMS, +8 dBV)

Output Impedance:

Master: = 100 ohms
L & R: = 100 ohms
Monitor A & B: = 100 ohms
Effects A: High = 1000 ohms
Low = 250 ohms

Output Noise:

Residual: -99 dBV
(L & R sliders down)
Bus -87 dBV
(All Channel sliders down, effects returns down, all Pan at middle)

Nominal: -70 dBV

(All channels at 30 dB gain, 150 ohm input, EQ flat, Pan middle, sliders at 0, all assigns at L & R, effects returns down)

Effects Return Input Impedance:

100K ohms

Effects Return Gain:

16 dB Max

Aux Return Gain:

(Master, L, R, Mon A & B, Efx A & B)
0 dB

Headphone:

Stereo 8 ohm to 200 ohm nominal
Tip = Left, Ring = Right, Sleeve = Ground
500 mW total power
Less than 1% distortion

GRAPHIC EQUALIZERS

(All sliders flat, 1.0 V RMS unless noted)

Filter Bandwidth:

1 octave

Filter Frequencies:

63, 125, 250, 300, 1K, 2K, 4K, 8K, 16K, Hz
(ISO Stds.)

Filter Q:

1.57

Maximum Boost & Cut:

± 12 dB

Distortion: (THD)

.05% maximum

Frequency Response:

5 Hz to 40 kHz ± 1 dB

Input Level:

Nom = 0 dBV (1.0 V RMS)
Max = 19 dBV (9 V RMS)

Output Level:

Nom = 0 dBV (1.0 V RMS)
Max = 19 dBV (9 V RMS)

Input Impedance:

20K ohms

Output Impedance:

100 ohms

Phantom Power:

15V DC - switchable

POWER AMPLIFIER SECTION

Input Sensitivity:

1.0 volts (for rated output)

Output Power:

(@120V AC, 1 kHz)

Single Amplifier: 250 watts @ 4 ohms
150 watts @ 8 ohms

Both Amplifiers: 250 watts @ 4 ohms
150 watts @ 8 ohms

2 ohm operation not recommended.

Total Harmonic Distortion:

0.5%

Compression:

DDT™

Cooling:

Fan augmented convection cooling.

Note: Fan does not run unless needed.

Protection:

Short and open circuit protection.

High temperature protection.

Primary fuses.

Frequency Response:

+0, -1 dB 10 Hz to 40 kHz, at 150 watts into 4 ohms

Slew Rate:

40V/microsecond into 4 ohms

Damping Factor:

Greater than 200 at 1 kHz, 4 ohms

Total Harmonic Distortion:

Less than 0.3% 100 mW to 150 W RMS, 10 Hz to

20 kHz, 4 ohms, typically below 0.1%

DDT™ Dynamic Range:

Greater than 20 dB

DDT™ Maximum THD:

Below 0.5% for 6 dB overload; below 0.8% for 14 dB overload

Hum & Noise:

100 dB below 150 W (20 Hz - 20 kHz)

Power Requirements:

120 V AC, 800 watts max

PREAMP SECTION

Equivalent input noise:

-113 dBV (150 ohms, 40 dB gain, 25 Deg. C)

Maximum output level:

+18 dBV (8 V RMS) (Main, Monitor & Effects)

Frequency Response:

+0, -3 dB, 20 Hz to 20 kHz (all EQ flat)

THD:

Below 0.05% @ 0 dBV, 20 Hz to 20 kHz (any in/out)

Channel EQ:

-15 dB @ 50 Hz, 600 Hz & 10 kHz

Master Graphic EQ's:

±12 dB @ 63 Hz, 125 Hz, 250 Hz, 500 Hz,

1 kHz, 2 kHz, 4 kHz, 8 kHz, & 16 kHz

Hum & Noise

-70 dBV (low Z inputs, all channel on)

FEATURES:

- Two 250 W RMS (4 ohm) power amplifiers
- DDT™ compression
- Forced air fan cooling
- 12-channel mixing system
- Two 9-band graphic equalizers
- Phantom power (all channels)
- 100 mm long throw faders
- New slim-line end panel design

CHANNEL FEATURES:

- High Z unbalanced and low Z balanced mic inputs
- Input sensitivity/Gain control
- Two independent Pre Monitor Sends
- 3-band active EQ
- Post Reverb/Effects Send
- Pan control
- PFL button
- Channel overload LED indication

DESCRIPTION

The AMA™1200 features total flexibility combined with truly professional specifications and overall performance levels formerly available only from separate components. The performance level of the AMA 1200 has been expanded into areas of sound reinforcement previously not possible with powered self-contained systems. These units features slim-line packaging with the flexibility of a component system. A state of the art mixing system featuring the latest developments in circuitry, packaging, value, and reliability.

ARCHITECTURAL AND ENGINEERING SPECIFICATIONS

The powered mixing console shall have a 12x2x1 configuration with two pre equalization monitor mixes, one post slider effects mix, one effects return and one reverb return, with integral dual 250 watt, 4 ohm power amplifiers. These power amps shall be equipped with soft compression circuitry that electronically senses clipping and engages special circuitry which virtually eliminates the possibility of any amplifier distortion. This unit shall have a built-in reverb.

Each channel shall contain a low impedance balanced XLR microphone input with phantom power, a high impedance unbalanced line input and pre equalization send and return jacks. Each channel shall have a gain control, pre EQ monitor A & B send controls, high, mid & low active EQ controls, a post slider effects send control, a Pan control, a PFL switch, a limit LED, and a calibrated channel slider control. The master section shall contain calibrated sliders for the left main, right main, and master controls. Additionally the master section shall contain monitor A & B master controls, an effects master control, Monitor A & B master controls, an effects master control, effects and reverb return controls, effects and reverb to monitor B control, effects and reverb return controls, effects and reverb Pan controls, a PFL level control, a headphone level control, a stereo headphone jack, PFL switches for left and right mains and monitors A & B. The back of this powered mixing console shall contain a comprehensive patch panel consisting of the following functions: left and right master outputs, left and right graphic inputs, left and right graphic outputs, left and right power amplifier inputs; master input, master output, monitor A & B outputs, reverb footswitch, effects send and return; aux inputs for left, right, monitor A, monitor B, master and effects; and dual speaker jacks for both left and right; phantom power switch.

The unit shall be attractively packaged with slim-line high durability polymer end panels, soft touch color coded control knobs and fan cooled. The powered mixing console shall operate on 120 V AC, 50/60 Hz, shall consume 800 watts of power. The power mixing console shall be a Peavey AMA™ 1200.

LIMITED WARRANTY

Peavey Electronics Corporation warrants to the original purchaser of this new Architectural Acoustics product that it is free from defects in material and workmanship. If within one (1) year from date of purchase a properly installed product proves to be defective and Peavey is notified, Peavey will repair or replace it at no charge. (Note: Batteries and patch cords not covered.) "Original purchaser" means the customer for whom the product is originally installed.

Damage resulting from improper installation, interconnection of a unit or system of another manufacturer, accident or unreasonable use, neglect or any other cause not arising from defects in material and workmanship is not covered by this warranty. The warranty is valid only as to products purchased and installed in the United States.

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Peavey's liability to the original purchaser for damages for any cause whatsoever and regardless of the form of action, is limited to the actual damages up to the greater of Five Hundred Dollars (\$500) or an amount equal to the purchase price of the product that caused the damage or that is the subject of or is directly related to the cause of action. This limitation of liability will not apply to claims for personal injury or damage to real property or tangible personal property allegedly caused by Peavey's negligence. For information on service under this warranty, call a Peavey customer service representative at (601) 483-5376.



Features and specifications subject to change without notice.

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