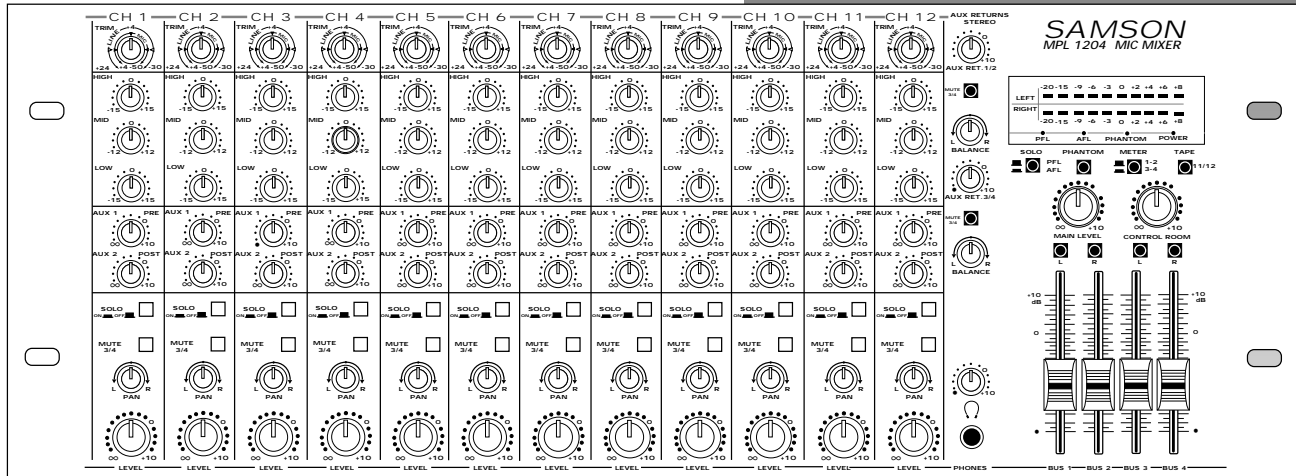


# MPL 1204 MIXER

**SAMSON AUDIO**



The MPL 1204 4-bus mixer is designed for use in live and monitor mixing, keyboard setups, recording and fixed installations. This versatile mixer features 12 input channels (XLR and balanced 1/4") with mic and line trim pots, 3-band EQ, 2 Aux sends (1 pre, 1 post) plus solo and bussing switches. The master section incorporates a Main Level, Control Room level, 2 stereo Aux returns and a front panel headphone jack and level control. Solo, phantom power and a meter switch (to monitor busses 1/2 or 3/4) are placed below the LED display along with a tape switch to monitor a stereo signal into channels 11/12. There are also assignable sub group switches for the Master and Control Room outputs. All connections are mounted on the rear of the mixer making it ideal for racks and installations.

- 12 balanced mic and balanced line inputs.
- 56mm faders on 4-bus outputs.
- 3-band EQ on each channel.
- Balanced outputs.
- 2 Aux sends and 2 stereo effects returns.
- Mic/line trim on each channel.
- Global phantom power for condenser mics.
- Front panel headphone output.
- Switchable solo switches (AFL/PFL) on each channel.
- Mute-bus 3/4 switches on each channel.
- Main level and control room level.
- 10 segment LED VU meters.
- Switched tape input for channels 11/12.
- 4 rack space with connectors on back.
- Assignable sub groups for main and control room outputs.
- Connections on rear.

Contact:

# ARCHITECT'S & ENGINEER'S SPECIFICATION

# MPL 1204 SPECIFICATIONS

The mixer shall be 12 in/4 out (2 main, 2 control room) and shall incorporate 12 monophonic microphone/line input channels. Microphone inputs shall be on balanced XLR connectors and monophonic line inputs shall be on balanced 1/4" Tip-Ring-Sleeve phone connectors. An independent stereo line-level tape input (routed to channels 11 and 12) shall be on phono connectors. Each channel shall have a trim control, 2 auxiliary sends, 3-band equalization and a gain control. In addition, all channels shall have a stereo panpot control and channel inserts on balanced 1/4" Tip-Ring-Sleeve phone connectors.

The mixer shall provide main outputs on balanced XLR connectors, control room outputs on balanced 1/4" Tip-Ring-Sleeve phone connectors, 4 bus outputs on unbalanced 1/4" phone connectors, 4 bus inserts on balanced 1/4" Tip-Ring-Sleeve phone connectors and a headphone output on 1/4" Tip-Ring-Sleeve phone connector. The unit shall provide 2 aux sends on 1/4" phone connectors and 2 stereo aux returns on 1/4" phone connectors having independent level and balance controls. The mixer shall have all connectors, except headphone jack, on the rear panel.

Phantom power of +48 V shall be provided for operation of condenser microphones. Indicators shall be provided for power and +48 V. The unit shall be of a rackmount type taking 4 standard rack spaces.

The mixer shall have E.I.N. of -130 dBu (mic) and -130 dBu (line), THD less than 0.03% and frequency response of -3 dB from 10 Hz to 60 kHz. Dimensions shall be 19" (482 mm) wide, 7.1" (179 mm) deep and 7" (177 mm) high (4 rack spaces). Weight shall be 15.9 lb. (7.2 kg). The mixer shall carry a three-year warranty.

The mixer shall be a SAMSON MPL 1204.

Equivalent Input Noise: (20 Hz to 22 kHz B.P.F.):

E.I.N. (Mic Input)	130 dB
Mic Gain	54 dB
Line Gain	54 dB

Frequency Response:

Mic to Main Out	<10 Hz to 60 kHz, -2.6 / -3 dB
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Total Harmonic Distortion (20 Hz to 20 kHz, 80 kHz L.P.F.):

Mic In to Main Out (trim @ max)	.056%
Line In to Main Out	.006%

Signal to Noise Ratio (22 Hz to 22 kHz B.P.F., ref. level +4 dBu output):

Mic In to Main Out (mic trim @ max)	-76
Mic In to Main Out (mic trim @ min)	-90

Maximum Voltage Gain (trim @ max):

Mic In to Channel Insert	54 dB
Mic In to Bus Insert	64 dB
Mic In to Bus Out	74 dB
Mic In to Main/Control Room Out	84 dB
Line In to Main Out	64 dB

Residual Noise (22 Hz to 22 kHz B.P.F., EQ centered) Trim set for 4 dB out

(Ref. all level controls to Unity):

Mic In to Main Out	-86 dB (one channel @ unity)
Mic In to Main Out	-86 dB (all channel @ unity)

Output Clip Level:

Buss Out	+20 dB
Main Out (balanced)	+28 dB
Aux Out	+21 dB

Equalizer:

High (10 kHz)	±15
Mid (1 kHz)	±15
Low (100 Hz)	±15

Crosstalk (ref. freq. 1 kHz):

Channel to Channel	80 dB
Bus to Adjacent Bus	<72 dB

Headphone Output:

100 mW @ 600 Ω

Power:

12 W @ 120V / 60 Hz • 15 W @ 220V / 50 Hz

Dimensions:

19" (w) x 7" (h) x 7.1" (d)

482 mm (w) x 177 mm (h) x 179 mm (d)

Weight:

15.9 lbs / 7.2 kg

## BLOCK DIAGRAM

