

3124+ / 3124mb+ Mixer

Features

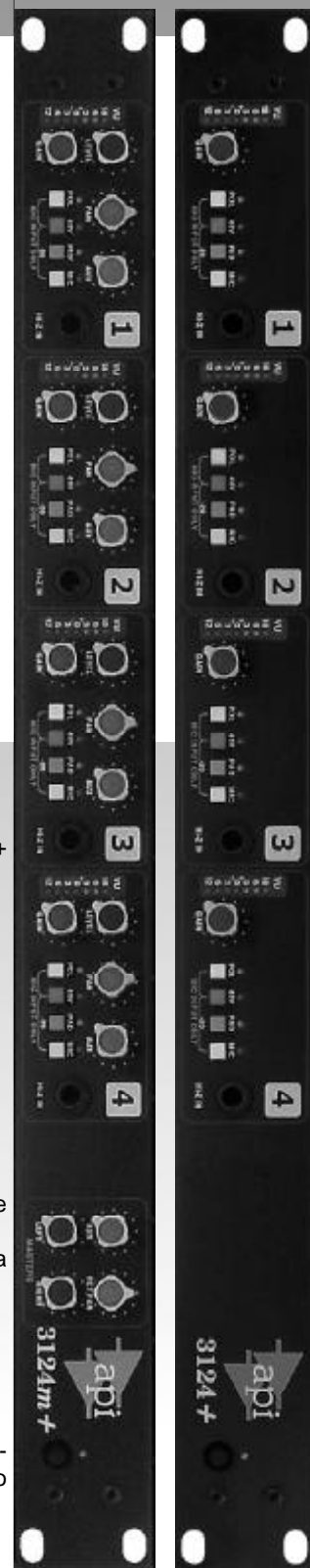
- ▶ Uses API 2520 Op Amp
- ▶ Classic Console Circuit
- ▶ Four XLR Mic Inputs
- ▶ Four 1/4" Un-Balanced Inputs
- ▶ Front Panel Polarity Switch
- ▶ Front Panel 20dB PadSwitch
- ▶ Front Panel Mic / Line Switch
- ▶ Front Panel 48V Power Switch
- ▶ Output Clips at +30 dBm

Both the 3124+ and the 3124mb+ are designed with the professional engineer in mind, giving the highest possible quality 4 channel Mic Preamp and with the 3124mb+, an audio mixer, while keeping the size and price at a reasonable level. Several 3124mb+ mixers can be linked to increase the number of bussed channels. Both models are equally at home in the control room, the studio, a news or recording truck, at the house console, on the stage, direct-to-DAT, or at the artist's disposal for the source of his music.

The model 3124+ utilizes the same microphone preamp circuit that is used in all API consoles. It uses the RE-115K mic input transformer and the same output transformer that is used in all API equalizers. All four mic inputs of the 3124+ and the 3124mb+ are powered by an internal 48 volt phantom power supply, front panel switchable for each channel. Also provided is a front panel 20dB pad switch that effects both the Mic and Line in.

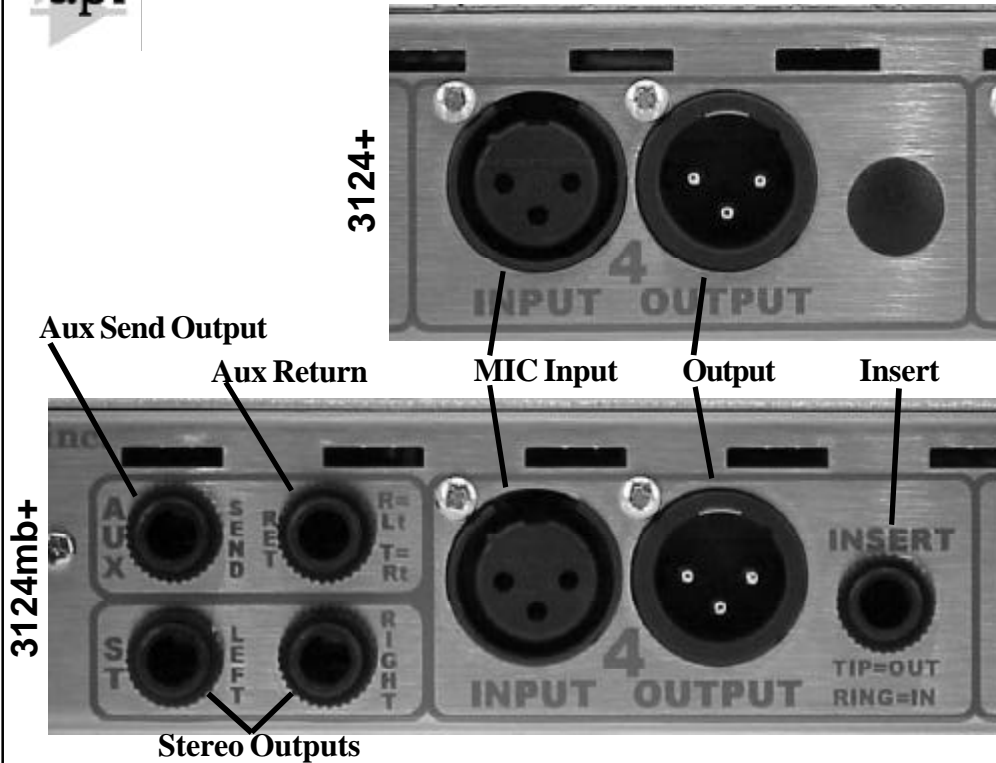
The model 3124+ can provide up to 65 dB of gain to an output clip level of +30 dBm. The Hi-Z front panel input goes directly to the op amp, allowing a low level input such as a guitar or bass to be amplified without a matching transformer or direct box. This Hi-Z input can take input levels as high as +22, making it perfect for keyboards and other high level devices. The rear output is an XLR connector.

The Model 3124mb+ is a 3124+ with the addition of a complete stereo mixer. In conjunction with the gain control of the 3124+, the 3124mb+ adds a stereo panner with a level control, and a post "fader" aux send. The stereo panners and the aux sends are bussed to master output controls and then to the rear panel jacks. A stereo aux return is provided to return effects or cascade additional mixers for more inputs. The unique aux return pot acts like a panner to balance the left/right signal, yet staying stereo. It can also be used as a mono return. A standard 3124+ can be further expanded to an "mb" at the factory. Several options for the "mb" include a discrete unbalanced stereo output or a discrete balanced stereo output.





3124+ and the 3124mb+ Features



3124+/3124mb+ Specifications

Input Impedance: 1500 Ohms Mic, 470K Ohms Un-Balanced, HI-Z in

Output Impedance: Less than 75 Ohms Channel Outputs

Nominal Levels: XLR Channel Output +4dBu

Stereo Output Level: Unbalanced: nominal -2, Balanced: +4

Clipping Level: XLR Channel Output better than +28dBm

Frequency Response: +0, -5, 10Hz to 20kHz (-5 at 10Hz)

Noise EIN: -129 Mic, -125 Un-Bal. Actual

Measured Noise: Better than -91dBm / below Nominal +4.

Distortion: All Outputs at +4 out, .03%, at +22, .09% Max,

Gain Range: 150 Ohms Input 10dB Min., 65 dB Max (inc. PAD). Un-Bal. Input 14dB Min., 50 dB Max

VU Meter: Calibrated for XLR Outputs, OVU=+4dBu, (-12, -6, -3, 0, +3, +6, +18)

Controls: GAIN, PAD (20dB), 48Volts, POL (polarity), MIC (mic/un-ba.), VU, AC

Size: 19" X 1U X 8"

Shipping/Actual Weight:

3124+: 13lbs./11lbs.

3124mb+: 11lbs./9lbs.

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