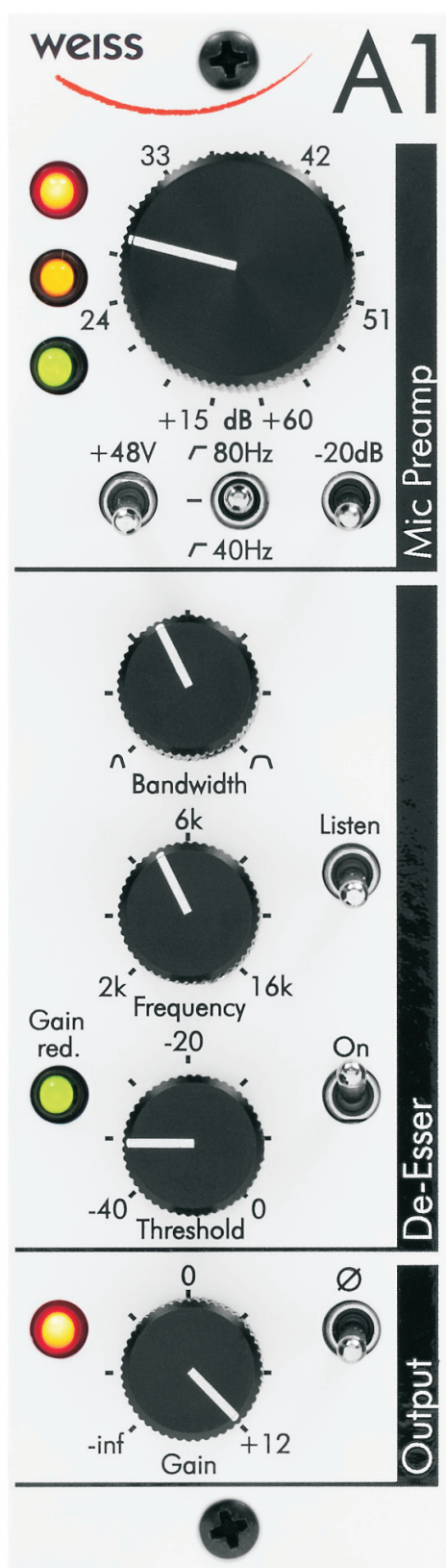


A1 Microphone / Line Amplifier and De-Esser

weiss

The Weiss A1 API 500 Series Microphone / Line Amplifier and De-Esser



Applications:

- Recording
- Mixing
- Broadcast
- Mastering
- Live

Microphone / Line Amplifier:

- Transformer-balanced, discrete class A design
- Current-feedback amplifier architecture for low distortion and wide bandwidth across the full gain range
- Very low noise for a wide range of source impedances and across the full gain range
- 15 dB to 60 dB gain, 3 dB steps
- 20 dB pad to accommodate line levels
- Extensive metering

High-Pass Filter:

- Switchable to 40 Hz, 80 Hz or off
- 2nd order Butterworth design

De-Esser:

- Advanced mixed signal design: direct signal path fully analog, side chain digital
- Precision low distortion MDAC as the variable gain element
- Low latency side chain with 500 kHz sampling rate
- Frequency, bandwidth and threshold front panel controls
- Further parameters (ratio, attack and release time) via DIP switches

Output Driver:

- Transformer balanced design
- Level control
- Polarity switch
- High maximum output level (+27 dBu) and output current

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