

# A1 Microphone Preamplifier and De-Esser

weiss

## The Weiss A1 API 500 Series Microphone Preamplifier and De-Esser



**The first Weiss product with analog only inputs and outputs!**

### Applications:

- Recording
- Mixing
- Broadcast
- Mastering
- Live

### Microphone Preamplifier:

- 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

**NEW!**

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