



501T Mic Pre with input and output Transformers

Technical
Specification

Professional Microphone Amplifier

What's so special about the Alice 501T mic amp?

Well, quite a lot!



Yes, it does the job of matching a whole range of studio microphones to your mixer or digital workstation, but it does it in brilliant ways without any compromise; no corners cut to get the right sound.

First, it has a proper transformer input. I don't have the time to give a lecture on transient signal handling and how transformers are so useful as not only a voltage barrier, but also for out-of-band signal protection. It's enough to say that the transformer gives a match to the microphone that's superior to regular mic amps.

Next the mic amplifier itself. This is a discrete specially designed amplifier produced by Alice. It's brilliantly stable and has excellent gain range, it's almost impossible to overload so it does not need an overload indicator. The gain control gives plenty of range to use all mic types from ribbon mics up to studio condenser types.

Professional Microphone Amplifier

To retain best possible quality of the audio, the output goes through another transformer, this gives you isolated balanced output and perfect matching to any line level input.

The front panel has switching for phantom power, a rotary gain control and a phase switch which changes the polarity of the audio from positive to negative.

There's an 'HPF' (High Pass Filter) switch which lets you reduce the low frequency content of the output to minimise floor rumble, and an LED meter array to give accurate indication of the peaks of audio.

How does it sound? Smooth, clean, and easy to listen to, in short, it's a lovely little mic amp!

Features

- 500 series module standard
- Balanced transformer mic input
- Mic input with wide stepless gain
- LED output level metering
- Switchable phantom power
- Switchable 75Hz high pass filter
- Switchable polarity reverse (phase)
- Transformer balanced line output
- 100% made in the UK

Performance

- Frequency response linearity +0, -0.4dB 10Hz to 20KHz
- Minimum gain: 32dB
- Maximum gain: 78dB
- Maximum output +24dBu floating transformer balanced
- Noise level (measured at 60dB gain) 126.8dB below input 20Hz to 20KHz
- Harmonic distortion (at 0dB output 1KHz) 2nd order 0.005%, 3rd order 0.03%

The logo for Alice Broadcast Solutions. The word "Alice" is written in a large, red, cursive script font. Below it, the words "BROADCAST SOLUTIONS" are written in a white, bold, sans-serif font, with a registered trademark symbol (®) to the right. The text is set against a dark blue background with a grid of small white dots and wavy lines of light blue and red at the top and bottom.

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