



503 Mic Pre with Limiter

Data Sheet

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Features

- Mic input with stepless 10dB to 70dB gain
- Balanced Line input switchable
- LED output level and limit metering
- Prominent 'overload' LED
- Switchable phantom power with LED
- Switchable 75Hz high pass filter with LED
- Switchable polarity reverse with LED
- Switchable limiter with LED
- Limiter threshold control
- Line output control
- Balanced line output

Special Technical Features

TRANSIENT DISTORTION — In conventional microphone amplifiers most of the amplification is in a single amplifier stage which may measure as ‘low distortion’ with test tones, but very often, small transient spikes disturb the stability of the amplifier and produce momentary peaks that are not amplified correctly. This can and does degrade the sound but the 503 with ‘shared gain’, handles transient peaks perfectly.

HARMONIC DISTORTION — The Alice 503 microphone amplifier is in 4 sections; this arrangement minimises unpleasant 3rd order harmonic distortion even at low frequencies producing warm full sounds getting the very best from your microphone. When the limiter is in use there is an increase in 2nd order harmonic content, this is a natural effect of this limiter and produces a ‘warming’ effect to the sound.

NOISE — Absolute ‘State-of-the-Art’ noise performance and high gain makes the 503 ideal for matching with ribbon microphones.

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 dots and wavy lines of light blue and red at the top and bottom.

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