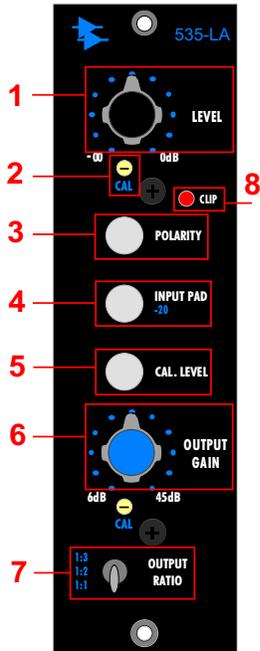




# 535-LA LINE AMPLIFIER USER GUIDE



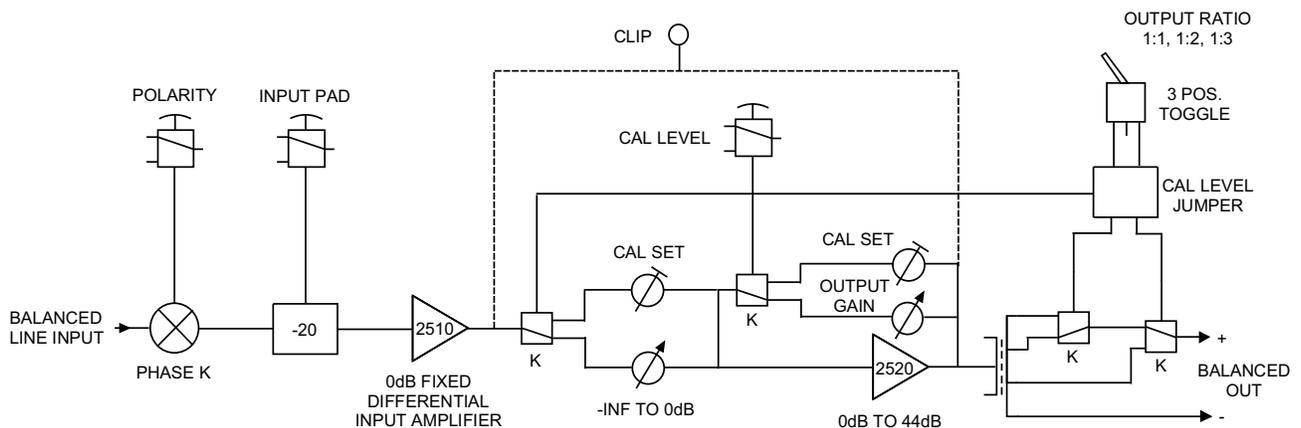
The API 535-LA is a 500-Series line amplifier module designed to both amplify and attenuate incoming and outgoing signals while providing API's signature warmth and tone to both analog and digital signals. This module utilizes the discrete 2510 and 2520 op amps along with API's proprietary transformers to create a powerful and portable module that delivers lots of character in a small package.

## FEATURES:

1. 31-position detented input level control (full clockwise rotation = unity gain)
2. Level calibration trim (when CAL LEVEL engaged)
3. Polarity switch inverts polarity of input signal
4. Pad switch reduces input signal by 20 dB
5. Calibrate level switch bypasses LEVEL and OUTPUT GAIN knobs and engages CAL trimmers
6. Variable output gain (6 dB to 45 dB)
7. 3-position output transformer gain ratio toggle switch
8. LED indicator warns if input or output signal is clipping (~18 dBu)

The API 535-LA also comes with API's unique Five Year Warranty.

## BLOCK DIAGRAM



## Specifications

<b>Gain range:</b>	-inf. to 53 dB
<b>Maximum Input Level:</b>	+32 dBu, balanced (with pad)
<b>Maximum output Level:</b>	+32 dBu max, balanced (1 kHz)
<b>Input Impedance:</b>	Greater than 20 kOhms, ~ 4 kOhms w/pad
<b>Output Impedance:</b>	Less than 75 Ohms
<b>Frequency Response:</b>	-0, +0.2, 30 Hz - 20 kHz
<b>Noise Floor:</b>	-85 dBu at factory cal level setting
<b>THD+N:</b>	0.006% at factory cal level setting (+4 dBu)
<b>Power Consumption:</b>	± 16 Volts/DC @ 55 mA