

Groove Tubes Specifications:

SuPRE™ STEREO UNIT VACUUM TUBE PREAMPLIFIER



The SuPRE borrows some key features and design components from both the award-winning ViPRE and the critically acclaimed Brick for an extremely flexible, great-sounding and yet very affordable solution for stereo mic and instrument preamplification.

The SuPRE is a two-channel stereo microphone and instrument preamplifier that uses a high resolution tube signal path for legendary Groove Tubes tone and response. Like the ViPRE, it features variable transformer impedance settings on each channel (300/600/1200 ohms), with 4 custom-designed Nickel core input and output transformers. The SuPRE provides a hefty 72dB of gain on each channel, using 4 specially selected GT pentode/triode dual element vacuum tubes (2xGT6922 dual triodes and 2x GT6GH8 pentode/triode tubes).

The SuPRE's front panel packs in a lot of control features while remaining cleanly laid-out and easy to use. An input switch selects

between rear panel Line or Mic inputs, while a front panel Instrument input automatically overrides the rear panel jacks when an instrument is inserted. A 3-position attenuation switch drops mic levels, selectable at 0dB, -15dB and -30dB, while dedicated switches for Polarity Reverse and 75Hz Hi-Pass Filtering are provided. SuPRE's +48V phantom power is available on each channel. Large custom rotary variable attenuators control gain over the available 72dB range. Supre's two large custom VU meters, each with individually adjustable range control, allow for 0Vu line-up with virtually any outboard gear.

Designed for both tracking and stereo mastering, the SuPRE implements precision and closely matched components to ensure perfect stereo imaging.

SuPRE	SPECIFICATIONS
Input Impedance	Mic: Selectable 300Ω/600Ω/1200Ω Balanced Line: 20kΩ Instrument: 22MΩ (no attenuator), 500kΩ (with 20dB attenuator)
Maximum Input Level	Mic (1200Ω, -30dB pad in): +18dBu Mic (1200Ω, pad out): +3dBu Balanced Line: +28dBu Instrument: +4dBu (no attenuator), +24dBu (with 20dB attenuator)
Gain Range	Mic: 18dB - 72dB Balanced Line: -40dB - +32dB Instrument: 36dB (no attenuator)
Frequency Response (XLR)	10Hz - 50kHz, +0/-1dB
Equivalent Input Noise	-126dB A-weighted
Maximum Output Level (XLR)	+27dBu (@1% THD+N)
Output Source Impedance (XLR)	600Ω min, >2.5kΩ recommended
Output Source Impedance (TRS)	150Ω min, >1.2kΩ recommended
Dimensions	19"W x 17"D x 5.25"H (3U rack) (48cm W x 43cm D x 13cm H)
Weight	29 lbs. (13.2kg)

SuPRE FEATURES:

- Two channels of high-quality tube microphone and instrument preamplification
- Excellent for tracking vocals, guitar, bass, keyboards, horns, strings, or any source that benefits from stereo or dual-mono tube preamplification
- Perfect as a superb stereo mastering preamplifier
- Front panel: Impedance selector (300Ω/600Ω/1200Ω), Mic attenuation (selectable for -15dB or -30dB), High pass filter (75Hz), Polarity reverse, Mute, and Phantom Power (+48V), all individually controllable on each channel
- Dual front panel instrument inputs (1/4" Hi-Z); Rear panel mic (XLR) and line (1/4" TRS) input connectors; XLR and 1/4" TRS output connectors
- 72dB of gain on each mic channel, using two GT pentode/triode vacuum tubes per channel
- Four custom-designed nickel core input and output transformers



www.groovetubes.com