

# RC 500

Introducing a new musical instrument for guitarists, vocalists, and anyone else who appreciates pristine, detailed sonics.

**The RC 500 solid-state channel strip from PreSonus®.**

Make it part of your sound.



A dazzling new mic preamp design from PreSonus Senior Engineer Robert Creel, the man who invented XMAX™.

Our ADL 700 FET compressor design that *Sound on Sound* magazine called “*responsive and transparent.*”

A new semi-parametric EQ described by *Mix* magazine as “*designed with musicality in mind.*”

Working together in an affordable channel strip that gives you a formidable new tool for capturing your sound.

 **PreSonus®**

# RC 500 1-Channel Solid-State Channel Strip

- ▶ Transformer-coupled, high-gain microphone preamp with a Class A hybrid design
- ▶ Phase, 80 Hz highpass filter, -20 dB pad and +48V phantom-power switch
- ▶ Front-panel instrument input and Line / Microphone-Instrument switch
- ▶ 20 to 70 dB Gain control
- ▶ 3-band semi-parametric equalizer with switching relays for hard bypass
- ▶ FET-based compressor using hybrid detection methods, with switching relays for hard bypass
- ▶ Rotary Threshold (-25 to +20 dB), Attack, and Release controls
- ▶ VU meter with selectable output level/gain reduction display
- ▶ -80 to +10 dB Master output control
- ▶ High-grade components: film capacitors, 1% tolerance resistors, and very low-distortion op amps
- ▶ 3-band semi-parametric equalization: 20 Hz to 400 Hz,  $\pm 16$  dB with Peak/Shelf switch; 400 kHz to 5kHz,  $\pm 16$  dB; 2 kHz to 20 kHz,  $\pm 16$  dB; with Peak/Shelf switch
- ▶ EQ In/Out switch



It's rare to find an outstanding solid-state channel strip that can deliver a vintage vibe reminiscent of classic high-end products, yet employs a thoroughly modern design. Especially one that you can buy without heavily depleting your bank account.

But there is one channel strip that delivers the goods without the big tab: the new PreSonus RC 500.

Once upon a time, in Baton Rouge, Louisiana, a white-haired gentleman quietly pored over a chassis filled with circuits. This was Robert Creel, the engineering mastermind

behind many of PreSonus' best analog circuits, including the ever-popular XMAX™ preamp, and his project was the ADL 700 tube channel strip, which turned out to be a terrific "boutique"-style channel strip.

At least, the PreSonus team *thought* his project was the ADL 700. As it turns out, he was doing something more.

In the process of developing the ADL 700, Creel came up with a new design for a very special solid-state preamp that uses a Class A hybrid input stage with discrete



transistors and the latest-generation, low-distortion operational amplifiers.

Everyone at PreSonus who heard his prototype was blown away by its transparent, detailed, clear sound. By popular demand, Creel's superb preamp became the heart of the new RC 500, named "RC" in Robert's honor.

The RC 500 combines the custom-designed FET compressor and semi-parametric EQ circuits that Creel developed for PreSonus' highly lauded ADL 700 tube channel strip.

Along with his new ultra-low-distortion,

high-gain, solid-state Class A preamplifier design, which delivers consistent, repeatable, transparent, detailed audio.

A balanced analog insert sends the source signal out of the RC 500 before the compressor, EQ, and Master Gain stages and returns the signal directly to the compressor stage, allowing you to add external processors.

The result is a top-of-the-line — yet very affordable — channel strip for recording engineers and recording musicians, with a sound that is reminiscent of classic, vintage solid-state preamps.



- ▶ Internal toroidal power supply with IEC connector
- ▶ 120V and 220V models available
- ▶ Steel chassis
- ▶ Balanced output on XLR and 1/4" TRS connectors
- ▶ Analog insert with balanced send and return
- ▶ Balanced XLR Line and Mic inputs

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