

Order No. R700 0112



The PreMax is a 500 series channel strip that combines a high performance preamp with a 3-band EQ. Designed to be super easy and quick to use, the PreMax eliminates uncertainty about gain structures by directly mating the preamp to the EQ. The Accustate input control simultaneously sets the input sensitivity and gain for optimal signal-to-noise. A traditional 3-band EQ is both musical and easy to use with standard low, mid and high controls. The EQ may be bypassed using a front panel switch. This is supplemented with a 100Hz high-pass filter that gently removes excessive resonance that can muddy a track. A 180° polarity reverse is used to phase align stereo sources or match older vintage equipment. When housed in a Radial 500 series rack, the Omniport ¼" is designated as an instrument input for direct recording and activated with a front panel switch. These features combine to maximize workflow efficiency making the PreMax an excellent choice for fast paced post production facilities, on-air broadcast and recording studios of all sizes.

**FEATURES**

- Low noise preamp with over 65dB of gain
- Built-in 3-band EQ for analog tone shaping
- Recessed 48V phantom for safe use
- Accustate for maximum signal-to-noise

**APPLICATIONS**

- Warm analog front end for 500 series rack
- High density design for live recording
- Analog tone shaping using 3-band EQ
- Works with all types of microphones

**COOL FACTORS**

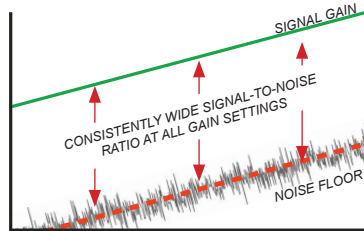
- Compact and easy to use
- Built-in EQ makes set-ups efficient
- Omniport instrument input
- Works on all API and Radial racks



- DOUBLE LAYER FRONT PANEL - Steel construction adds rigidity to reduce stress on the PC board. Provides the solid feel one expects from Radial.
- GAIN (MIC) – Used to set the mic level. Accustate level control sets the input sensitivity and gain at the same time.
- 180° – Reverses the polarity to help phase align two microphones or reduce feedback in a live situation.
- HIGH PASS FILTER – Cuts bass frequencies below 100Hz to reduce resonance which can muddy up a recording.
- LED – 3-stage meter lets you know when signal is active, near threshold and compression is being applied.
- HIGH - 10kHz shelving control lets you enhance high-frequencies to add sparkle or soften the top end to warm up overly bright mics.
- MID – Band pass filter is tuned to be effective for instruments and voice in the critical upper mid-range where the ear is most sensitive.
- LOW - 100Hz shelving control lets you boost bass to add punch or roll off excessive low frequencies.
- EQ IN - Turns on the equalizer or acts as a bypass so you may compare the post EQ effect with the pre-EQ signal.
- MIC/INST - Switches the input from the rear mounted XLR to the Omniport ¼" guitar input.
- 48V – Activates phantom power for condenser mics and active direct boxes. Recessed to prevent accidental turn-on.

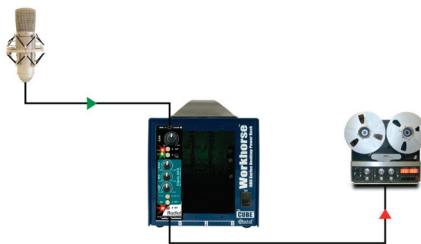
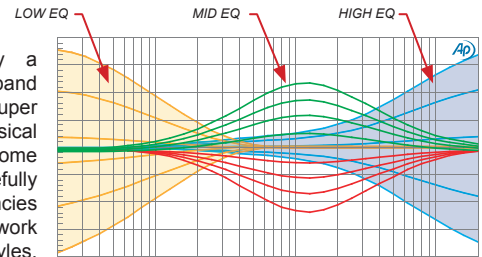
**ACCUSTATE™ GAIN**

The Accustate gain control adjusts the input sensitivity and the preamp gain in unison making the signal-to-noise ratio consistent at all settings. This makes it easy to set the gain because maximum S/N is achieved at all dial positions.

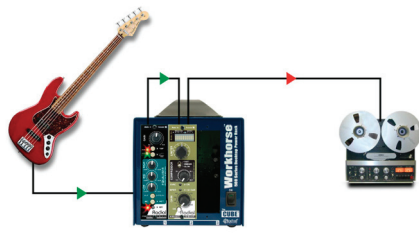


**3-BAND E-z-Q**

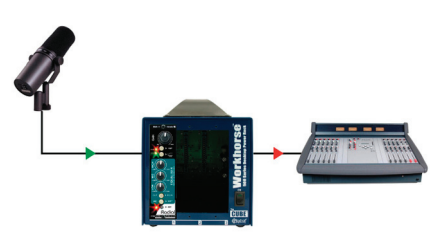
We chose to employ a traditional, old-school 3-band EQ. This type of EQ is super fast to use, sounds musical and is not as cumbersome as a parametric. We carefully selected the EQ frequencies to sound musical and work with today's production styles.



**USING THE PREMAX WITH A MICROPHONE**  
Nothing can be easier than recording with a PreMax! You simply plug your mic into the XLR input on your 500 series power rack, turn on the phantom power and the PreMax does the rest for you! All you do is adjust the level, set the EQ and press record!



**USING THE PREMAX WITH AN INSTRUMENT**  
Overdubbing or tracking instruments is quick and efficient! Connect your bass to the Omniport input on the rear of your Radial power rack, and when you are ready, toggle the input from mic to instrument using the front panel switch.



**USING THE PREMAX FOR BROADCAST**  
The PreMax is your easy solution for broadcast and voice-over in post production. It combines a low noise front end with a great sounding EQ for quick results where time is money. No more messing around with levels... just plug in and get the results you need.