Order No. R700 0113

The PreComp is a 500 series channel strip that combines a low noise preamp with a full performance compressor in single wide module. The preamp is equipped with Accustate gain control that automatically adjusts the input sensitivity and gain at the same time. This auto-padding feature optimizes signal-to-noise at all levels. With the mic preamp built-in, setting the compressor is easy. Adjust the threshold, set the ratio and then adjust the output using the gain make-up control. A two speed switch sets the compressor reaction time for immediate response (fast) for vocals or leveling the signal. A slow delayed response is used to allow transients such as the crack of a snare to pass before compression is applied. When used in a Radial Workhorse, the preamp and compressor may be used separately via the Omniport. These features make the PreComp a terrific module for live recording, on-air broadcast and post production suites where productivity must be maximized.

FEATURES

• *Preamp & compressor in one module*

• *Internally set gain stage for easy use*

• *Accustate auto-padding for low noise*

• *Super easy to use control panel*

APPLICATIONS

• *Analog front end for digital*

• *Multi-channel live recording*

• *Audio post production suites*

• *On-Air broadcast & podcast*

COOL FACTORS

• *Compact all-in-one design*

• *Plug & Play easy to use*

• *Omniport TRS cable insert point*

• *Plenty of gain for all microphones*

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 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.

THRESH – Variable threshold control is used to set the point when compression will take effect.

RATIO – Sets the compression from 1:1 (off) to 10:1 where a 10dB input produces 1dB at the output.

GAIN - Controls the output level of the compressor stage. Used to compensate for post-compression gain reduction.

SLOW/FAST- Used to set the attack and release on-set speed of the compressor. Slow allows the initial transient to pass unaffected. Set fast, the compressor will instantly take effect.

IN – Turns the compressor on or off. Used to compare the dry signal with the compressed results.

48V – Activates phantom power for condenser mics and active direct boxes. Recessed to prevent accidental turn-on.

ACCUSTATE™ GAIN

The Accustate gain control simultaneously adjusts the input sensitivity and the preamp input gain to maximize signal-to-noise at all settings. This eliminates the need for a separate pad, delivering better results with less fiddling!

SIGNAL GAIN

CONSISTENTLY WIDE SIGNAL-TO-NOISE RATIO AT ALL GAIN SETTINGS

NOISE FLOOR
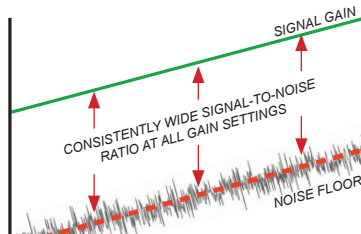
SLOW/FAST RESPONSE

A simple slow/fast switch makes it easy to set the compressor's response to suit vocals, instruments or percussion. A slow response allows a gental onset of compression. A fast setting will compress the instant the signal goes over the threshold.

SLOW ATTACK & RELEASE

THRESHOLD

FAST ATTACK & RELEASE

THRESHOLD
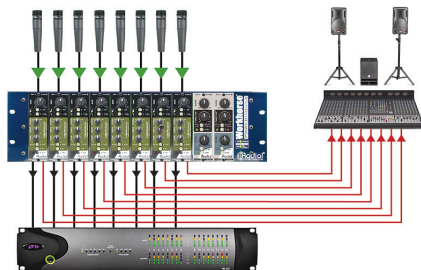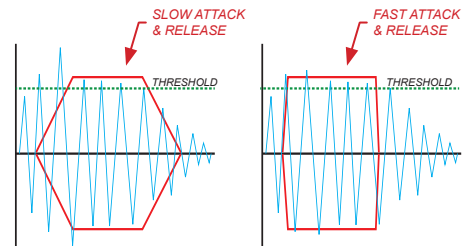
PreComp for live recording

Use the PreComp to capture the signals right from the microphones and keep the dynamics under control to prevent distortion. Split the signal by using the ¼" TRS output to feed the recorder and the XLR out to feed the PA system.
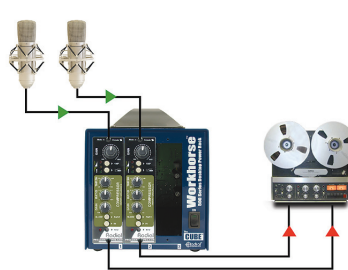
PreComp for voice-over

The PreComp is the perfect channel strip for recording a voice-over in post production or tracking a vocal when recording. Plug your mic in, set the mic level, then add a touch of compression to level the signal and keep it out of the red. The PreComp is quick and easy to use.
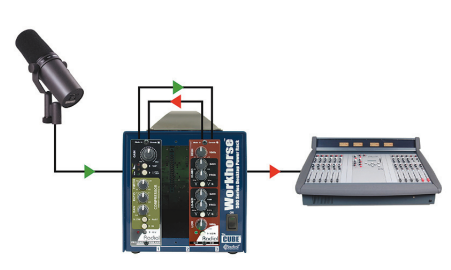
PreComp in a broadcast studio

The PreComp is the perfect front-end for on-air broadcast. Set the level, add the appropriate amount of compression to ensure the voice is maximized and let the show begin! For greater tonal control, add the Q4 parametric EQ into the signal chain using the Omniport 1/4" TRS insert.