

Order No. R700 0140



The PhaseQ is a phase adjustment tool designed to bring two audio sources into alignment. Used on a pair of microphones - it is like adjusting the focus on binoculars. When used to extreme, you can create new effects that are unique and exciting. Simply patch the PhaseQ on one of the stereo channels and twist the knob. The warm sounding class-A circuit gently travels from 0° to 180° of phase shift causing frequencies to collide and align. Hit the 180° polarity reverse and time travel extends from 181° to 360°. Engaging the low pass filter lets you focus the phase effect on lower frequencies. Used on a single source, the wet-dry mix introduces destructive phase cancellation to create weird and wonderful effects.

**FEATURES**

- 100% discrete analog phase effect
- Up to 360° of phase shift control
- Low pass filter to focus effect on bass
- Wet-dry blend control to use as a radical EQ

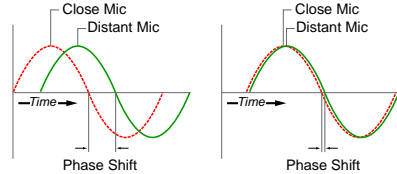
**APPLICATIONS**

- Time align two sources for realistic stereo image
- Add impact with direct and mic'd sources
- Lets you shift stereo image in the field
- Use as a destructive phase creative EQ tool

**COOL FACTORS**

- Does not 'step' like digital processors or software
- Creates the fattest guitar tones ever
- Creates the most solid kick drum ever
- Addictive... once you get one, you'll use it forever!

**HOW IT WORKS**



By altering the phase (or delaying the sound) of the nearest microphone, you can shift the fundamental frequency so that it will more gracefully combine with the sound being captured by the second microphone.



**FULL ENCLOSURE** - 100% steel casing reduces magnetic interference from other nearby modules that may cause pollution.

**BLEND** - Use to control the mix between the original dry signal and the wet phased effect.

**PHASE SHIFT** - Adjusts the analogue phase shift from 0° to 180° as you rotate the knob clockwise.

**INVERT** - Reverses the polarity of the wet signal to extend the phase shift from 180° to 360°.

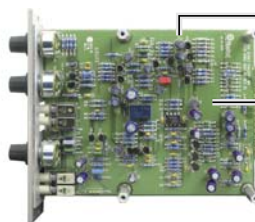
**PHASE ON** - Lets you switch the phase-shift effect on or off to compare in-use and bypassed sounds. LED indicator displays status.

**FILTER** - Lets you apply a low-pass filter on the phased signal to filter-out the highs and focus the effect on the bass frequencies.

**SHIFT** - Changes the filter bandwidth from 300Hz ~ 3.8kHz to 3kHz ~ 38kHz to tailor the filter for different instrument ranges.

**SHIFT ON** - Lets you switch the low-pass filter on or off to compare the effect it has on the signal. LED indicator illuminates when active.

**OMNI-PORT** - Dry track output used to feed other devices. Available when used with Radial Workhorse racks.



**100% DISCRETE ACTIVE BUFFERING** - Full size through-hole discrete class-A electronics for optimal signal transfer and dynamics.

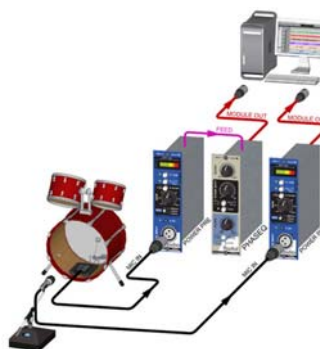
**MIL SPEC CIRCUIT BOARD** - Features double sided PCB and full ground plane assures lowest noise and durability for years of trouble-free performance.

**GOLD PLATED 15-PIN CARD EDGE** - Double sided PCB with gold plated card-edge connector ensures conductivity and signal transfer.



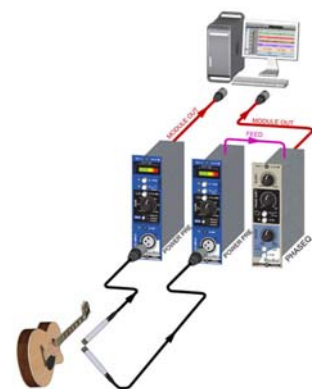
**DIRECT AND MIC ON GUITAR AMP**

The PhaseQ is used to phase adjust the direct box signal to reinforce the microphone and create monster-sized guitar tone.



**ONE MIC IN - ONE OUT OF A KICK DRUM**

Here the PhaseQ is used to phase-align the near mic (inside the drum shell) with the far mic placed out in front of the kick drum. The low-pass filter section can be used to focus the phase effect.



**XY STEREO MICS ON ACOUSTIC GUITAR**

When using stereo X/Y mic techniques the PhaseQ is patched into one of the two signal chains and used to expand the stereo spread. Adjustments are made in real-time while listening to your monitors.

