

Order No. R700 0113



The Tossover is a 500 series module that enables you to frequency-divide an audio signal into two components and then process each part individually. Two filters are wired in series: the first is a low-pass filter that filters out the highs while allowing the bass frequencies to pass. The second is a high-pass filter that removes bass to allow the upper registers to pass. These can also be used together to create a band-pass filter to accentuate the mid range. Each filter is equipped with a variable cut-off frequency, amplitude control and 3-position filter switch that lets you set the desired slope between 12, 18 and 24dB per octave. You could for instance send a vocal track through the Tossover and send the high frequencies to a distortion pedal to accent the high end. On a kick drum you could pull out the bass and then accentuate the boom using an equalizer and a compressor. Mix the signals back together as needed.

FEATURES

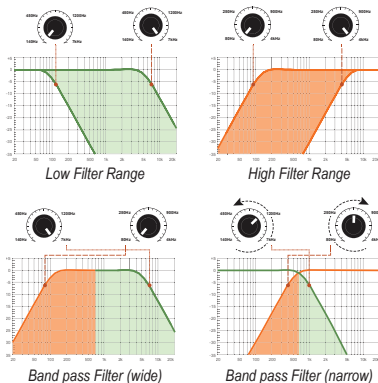
- Separate high-pass and low-pass filters
- 12dB, 18dB and 24dB per octave slopes
- Fully variable cut-off frequencies
- Assignable outputs using Workhorse

APPLICATIONS

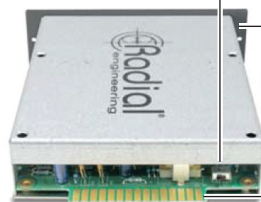
- Adding effects to low frequencies
- Adding effects to high frequencies
- Band-pass filter to accentuate mids
- Parallel processing different frequencies

COOL STUFF

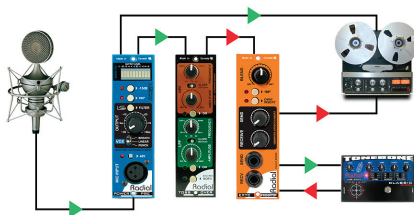
- Dissecting the frequencies of a sound
- Processing each segment differently
- Creating new and unheard effects
- Combining effects using the Workhorse



- HPF - High pass filter section, used to adjust the high frequency output frequency, slope and amplitude. Wired in series after the low-pass filter.
- FREQUENCY - Used to adjust the high frequency cut-off point above which the signal will be allowed to pass.
- SLOPE - Three position switch sets the crossover slope for 12dB, 18dB or 24dB per octave for gentle, medium and intense filter effect.
- AMPLITUDE - Used to adjust the output level of the signal after it passes through the high pass filter.
- ON (HPF) - On/bypass switch for the high pass filter section with LED indicator. LED illuminates when filter is active.
- LPF - Low pass filter section, same controls as the HPF for the frequency, slope and amplitude. Wired in series before the high-pass filter.
- LOW NOISE ELECTRONICS - High performance audio circuit delivers low noise and minimal distortion at all levels.
- OMNIPOINT - ¼" TRS connector (found on Radial Workhorse power racks) is the alternate output. When the low pass filter is assigned to the XLR, the high pass filter output automatically gets assigned to the Omniport.
- ON (LPF) - On/bypass switch for the low pass filter section with LED indicator. LED illuminates when filter is active.
- BAND PASS (BOTH) - Combines the two filters in series for use in non-Radial racks and creating band pass filter effects.
- OUTPUT SELECT - Mini slider switch above the 15 pin card edge selects which of the two filter outputs will be routed to the XLR and Omniport when using the Tossover with a Radial Workhorse rack.

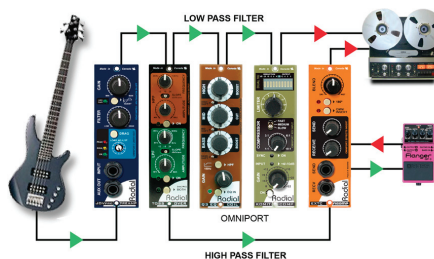


- DOUBLE LAYER FRONT PANEL - Steel construction adds rigidity to reduce stress on the PC board. Provides the solid feel one expects from a Radial product.
- GOLD 15-PIN CARD EDGE - Double sided and gold plated edge connector ensures optimal conductivity and signal transfer.



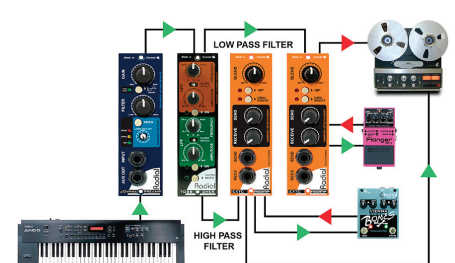
USING THE TOSSEVER ON A VOCAL TRACK

Use the Tossover high-pass filter to extract the high end and process it using the EXTC with a Tonebone Classic distortion to add character. Mix the effect with dry signal from the PowerPre.



USING THE TOSSEVER ON A BASS GUITAR

When used inside a Workhorse, the Tossover lets you split the signal so that you can process each stem individually. Add EQ and compression to the low frequencies while flanging the top end separately.



USING THE TOSSEVER ON A KEYBOARD

Create uber-realistic Leslie effects by sending your favourite Hammond patch into the Tossover and then processing the bottom end with a slow flanger and the top with a chorus pedal.