

## PCR2213 ACTIVE CROSSOVER

- ▶ Industrial standard state variable 24 dB/octave Linkwitz-Riley filters with zero phase error at crossover frequencies
- ▶ Perfect flat summed amplitude response at all crossover frequencies
- ▶ Independent limiters on all outputs with pre-defined time parameters
- ▶ Crossover frequencies continuously variable from 80 - 8000 Hz
- ▶ Time/phase alignment via polarity switches and 4ms time delay controls
- ▶ Switchable horn EQ curve to compensate the HF roll-off



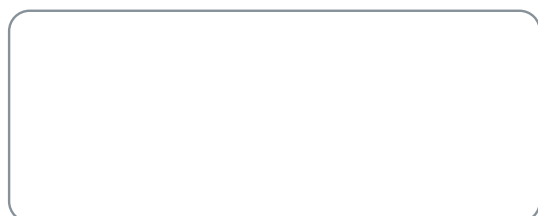
## FEATURES

- ▶ Stereo 2-way or mono 3-way operation
- ▶ Industrial standard state variable 24 dB/octave Linkwitz-Riley filters with zero phase error at crossover frequencies
- ▶ Perfect flat summed amplitude response at all crossover frequencies
- ▶ Independent limiters on all outputs with pre-defined time parameters
- ▶ Latching mute push Buttons on all outputs, vital during setting up and troubleshooting
- ▶ RF and Subsonic input filters
- ▶ LED indication on all important switching functions for easy status identification
- ▶ Crossover frequencies continuously variable from 80 - 8000 Hz
- ▶ Time/phase alignment via polarity switches and 4ms time delay controls
- ▶ Switchable horn EQ curve to compensate the HF roll-off
- ▶ High precision components and potentiometers ensure excellent quality and accuracy of settings
- ▶ Balanced XLR inputs and outputs

The PCR2213 active crossover provides superb clarity of sound, combining Phonic's user orientated designs with the high performance you would expect from our experienced design team. PCR2213's frequency split has a flat response and low noise over the frequency range 20Hz to 20kHz can be configured for stereo 2-way/mono or 3 way independent with a limiter, a high pass filter and switchable horn EQ curve are some of the features that the PCR2213 has that will enable you to achieve the very best in audio quality. With a range from 80Hz to 8kHz and a polarity switch to accommodate a variety of speaker manufacturers, the PCR2213 has everything you could ask for from a high performance active crossover.

## SPECIFICATIONS

<b>INPUTS</b>	
Type	Active Balanced
Filter	RF & switchable 30Hz HPF
Gain Range	-12 ~ +12dB
Impedance	50K ohms
Frequency Response	10Hz ~ 100kHz, +0, -1dB
Normal operating level	0dBu
Maximum Input Level	>+24dBu, balanced
Peak Indicator	Red LED, at +18dBu
CMRR	<40dB
<b>OUTPUTS</b>	
Type	Active balanced. Automatic correction for unbalanced loading.
Output Impedance	<100 ohms, balanced or unbalanced.
Maximum Output Level	>+24dBu, balanced. +18dBu unbalanced.
Frequency Response	10Hz ~ 100kHz, +0, -1dB
THD@+4dBu	<0.005%
IMD(SMPTE)@+10dBu	<0.01%
Noise & Hum, 0dB Gain	<-70dBu (20Hz ~ 20kHz, flat)
Crosstalk@1kHz	Better than -60dBu
Mute control	On all outputs, with indicator.
Phase invert	On all outputs, with indicator.
Sub Sigma	Sum both stereo channel LF section and output at LF sockets, defeated in mono mode with indicator.
<b>FILTER</b>	
Type	State variable 24dB/oct Linkwitz-Riley filter
Mode	Stereo 2-way or mono 3-way, with indicators.
Crossover frequency	80 ~ 800Hz(x1) / 800 ~ 8000Hz(x10), range switching with tool.
LF delay control	0 ~ 4msec
LE level control	-6 ~ +6dB
HF level control	-6 ~ +6dB
HF Horn EQ	+12dB at 15kHz, 6dB/oct, +3dB@3.75kHz, with indicator
<b>LIMITER</b>	
Type	Adjustable threshold limiter
Threshold range	Master variable control, -6 ~ +18dBu
Limiter on/off	Master on/off control, with indicator
Indication	Attacked on all outputs
<b>POWER SUPPLY &amp; GND</b>	
Mains voltage	~100 ~ 120, 220 ~ 240V AC, 50 ~ 60Hz
Power Connection	3 pins, Hot, Neutral, & Ground
Fuse	1A (100 ~ 120V AC), 500mA(200~240VAC), slow blow.
Chassis grounding	Screw provided.
Power consumption	20W
<b>PHYSICAL</b>	
Dimension(WxHxD)	482x44.5x167mm(19"x1.75"x6.6")
Net Weight	3.21kg



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Information in this document is subject to change without notice.

# PHONIC