

## PCR 2213 Plus

Active Crossover



## Features

- ▶ Stereo 2-way or mono 3-way operation
- ▶ 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
- ▶ 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 4 ms time delay controls
- ▶ Switchable horn EQ curve to compensate the HF roll-off
- ▶ RF and Subsonic input filters
- ▶ High precision components and potentiometers ensure excellent quality and accuracy of settings
- ▶ Additional subwoofer output with combines channel 1 and 2 signals
- ▶ Balanced XLR inputs and output connections

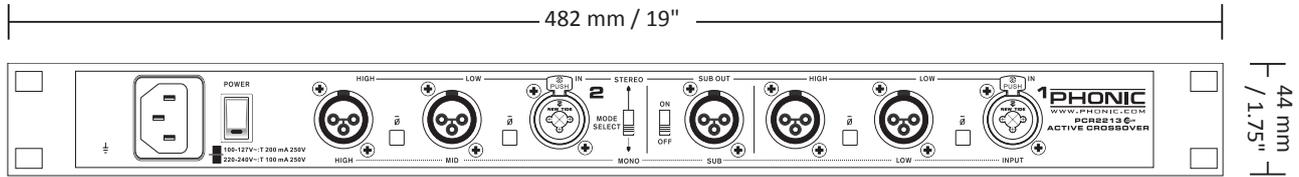
## Description

The Phonic PCR 2213 Plus is a professional 2-way stereo or 3-way mono, 24 dB/octave crossover for any application where an active crossover multi-way speaker system is used. All outputs incorporate a limiter, mute switch, and phase invert button for maximum control. The PCR 2213 Plus also features balanced XLR inputs and outputs, RF and subsonic input filters, and a switchable horn EQ to compensate for HF roll off.

# PCR 2213 Plus

## Professional Active Crossover

### Dimension



### Specifications

<b>INPUTS</b>	
Type	Active Balanced
Filter	RF & switchable 30Hz HPF
Gain Range	-20~+4dB
Impedance	>10Kohm, <100Kohm
Frequency Response	10Hz~100KHz, +0, -1dB
Nominal Operating Level	0dBu
Maximum Input Level	>+24dBu, balanced or unbalanced.
Peak Indicator	Red LED, at +18dbu
CMRR	>40dB
<b>OUTPUTS</b>	
Type	Active Balanced, Automatic correction for unbalanced loading.
Output Impedance	<100ohm, 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	<-92dBm (20Hz to 20KHz, flat)
Crossover @ 20KHz	Better than -50dB
Mute Control	On all outputs, with indicator.
Phase Invert	On all outputs, with indicator.
Sub Signal	Sum both stereo channel LF section and output at individual subout.
<b>FILTER</b>	
Type	Start variable 24dB/oct Linkwitz-Riley filter
Mode	Stereo 2-way or Mono 3-way, with indicators.
Crossover Frequency	90~900Hz (x1)/900~9000Hz (x10), range switching with tool.
LF Delay Control	0~4 msec
LF Level Control	-12~+12dB
HF Level Control	-12~+12dB
HF Horn EQ	-12dB a 15KHz, 6dB/oct, +3dB @ 3.75KHz, with indicator.
<b>LIMITER</b>	
Type	Adjustable threshold limiter
Threshold range	Master variable control, -12~+12dBu
Limiter on/off	Master on/off control, with indicator.
Indication	On all outputs.
<b>POWER SUPPLY &amp; GND</b>	
Mains Voltage	100, 120, 220, 140 VAC, 50~60Hz
Power Connection	3 pins, Hot, Neutral, Ground.
Fuse	1A (100~120VAC), 1A (200~240VAC), slow blow.
Chassis Grounding	Screw provided.
Power consumption	10 W
<b>PHYSICAL</b>	
Dimension	482 x 44 x 167 mm (19" x 1.75" x 6.57")
Net Weight	3.21kg (7.1 lbs)