

# CCM Series

## Loudspeaker Control Card for Crown P.I.P.<sup>®</sup>-Compatible Amplifiers

CCM Series Control Cards provide the specific crossover, equalization, and limiting requirements for selected MacPherson loudspeakers. Designed exclusively for use with Crown P.I.P.-compatible amplifiers, the cards support all the functions of a rack-mount controller in a compact plug-in package. Each product-specific card was carefully optimized for maximum loudspeaker fidelity and highest SPL output. Completely "plug-and-play," there is no internal configuration required. Some cards feature a flat / boost switch to allow selection of the loudspeaker's low-frequency performance.



- Features**
- Product-specific crossover, EQ, and limiters
  - Independent limit LED indicators
  - Easy to set up
  - External bass flat / boost switch
  - Smooth limiting
  - LED "Ready" indicators
  - Dedicated cards for all MacPherson products
  - Custom-tailored for optimum performance
  - XLR-input and loop-thru connectors

## CCM Series Specifications

### Frequency Response

±1dB, 30Hz to 20kHz (pre EQ)

### Input Impedance

50k ohms, balanced; 25k ohms, unbalanced

### Input Level

0dBu, nominal; +18dBu, maximum

### Output Level

0dBu, nominal; +18dBu, maximum

### Filters

Multiple section, unity-gain, Sallen-Key, 24dB-per-octave, asymmetrical

### Crossover Frequencies

Product specific

### Limiting

FET, brick-wall type

### Noise

-91dBu, 20Hz to 20kHz

### Distortion

Less than 0.002% at 1kHz

### Installation

Crown P.I.P.-compatible amplifiers

### Warranty

Three years from date of original purchase

Technical specifications subject to change without notice.