



# MA-104 - Remote Controlled Microphone Amplifier



The MA-104 is a high quality microphone preamp with remote control via Ethernet or Midi over USB(Pro Tools 'Pre' Protocol). It is a low noise four channel amplifier with balanced Mic/line input and two line outputs.

## Specification

- Mic/Line Input with three options Mic, Ribbon Mic (+10dB Gain & No Phantom), Line
- Mic gain range +6dB, then +14dB to +69dB in 1dB steps.
- Line Gain Range -20dB, then -12dB to +42dB in 1dB steps
- +48v Phantom power
- Phase Reverse
- High Pass Filter: 6dB per octave -3dB @ 100Hz
- Two Outputs with a maximum output Level +26dBm
- Low Noise: 1 nV/√Hz input noise (60 dB gain)
- Low THD+N: 0.0003% ≤ 30 dB gain, 0.0008% @ 40 dB gain
- Output Level display - 5 LED's, 16dB range
- Remote Control from Pro Tools using the 'Pre' protocol
- Remote control over Ethernet
- Powered by POE (Power Over Ethernet) or External 5v

This is the first of a new range from CB Electronics that will include A2D, D2A, Madi and digital monitoring solutions for audio professionals.

Colin Broad the MA104's designer is also well known for his work in synchronisation. His awards include a technical achievements Oscar. He has designed valve and transistor amplifiers, analogue tape recorders, limiters, compressors, equalisers, mixers, and the first digital cart machine.



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