

MOD ONE

PLUG-IN AMPLIFIER CARDS

MOA -- SERIES FOR MOH-110 AND MOH-210 BROADCAST CONSOLES

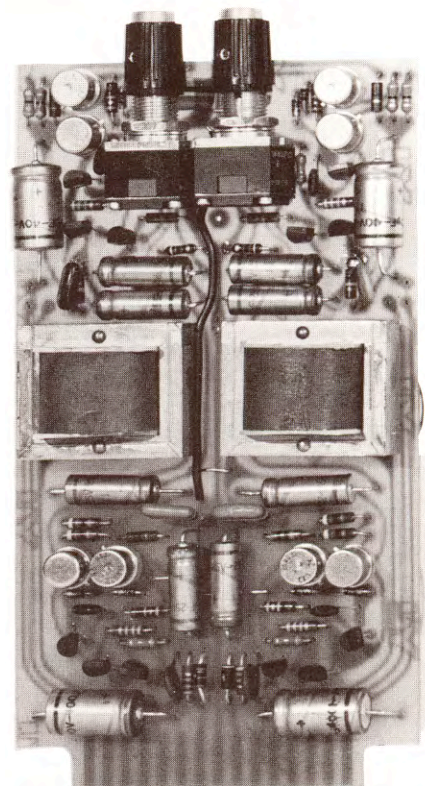
MOD ONE modular broadcast audio consoles from UREI employ all solid-state circuitry for ultimate reliability and performance. All active circuits are on plug-in printed circuit cards, or within the plug-in Input Modules — no active components are part of the console housing.

Various plug-in circuit cards are furnished with a Mod One console, or available as spares, or to modify your console for specific applications, whether Monaural, Stereo or Quadraphonic. Basic requirements for a complete MOH-110 (Monaural) or MOH-210 (Stereo) console are: 2 line amplifiers, 1 monitor booster amplifier, 1 cue amplifier and 1 headphone amplifier. Model numbers and specifications for each are listed below:

MOA-150 MONAURAL LINE AMPLIFIER

Used for Program and Audition output amplifiers in MOH-110 console (2 required). Sub-master gain control provided on card for establishing optimum console gain structure. Specifications:

Input Impedance:	Less than 10 ohms — designed as active summing amplifier, to operate from 10 k summing resistors.
Gain:	20 dB nominal, 36 dB maximum.
Frequency Response:	± 0.5 dB, 30 Hz to 20 kHz.
Noise Generation:	Less than -124 dBm equivalent input signal.
Distortion:	Less than 0.5% THD @ $+20$ dBm output, 30 Hz to 20 kHz.
Output Impedance:	Designed to work into 600 ohm load. Transformer isolated (floating).
Output Level:	$+4$ dBm, nominal.



MOA-250 STEREO LINE AMPLIFIER

Used for Program and Audition output amplifiers in MOH-210 Stereo console (2 required).

Specifications:

Same as MOA-150, except dual channels
Stereo separation: Better than 60 dB, to 20 kHz

MOA-170 MONAURAL CUE BOOSTER AMPLIFIER

Used for cue output of MOH-110 (Monaural) and MOH-210 (Stereo) consoles, to feed external cue speaker power amplifier, (1 required).

Specifications:

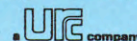
Same as MOA-150 Monaural Line Amplifier, except no internal gain control. Leads brought out through PC connector for Cue gain control in console front panel.



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FOR
MOH 110,
MOH 210

MOA-160 MONAURAL MONITOR BOOSTER

Used for monitor output of MOH-110 console (Monaural), to feed external speaker power amplifier (1 required).

Specifications:

Input Impedance: Designed to bridge 600 source through 10K series resistor (unbalanced).

Voltage Gain: 26 dB (fixed).

Frequency Response: ± 0.5 dB, 30 Hz to 20 kHz.

Noise: At least 98 dB below +4 output.

Distortion: Less than 0.25% THD @ +20 dBm, 30 Hz to 20 kHz.

Output Impedance: Designed to work into 600 ohm load. Transformer isolated (floating).

Output Level: +4 dBm, nominal.

MOA-260 STEREO MONITOR BOOSTER

Used for monitor outputs of MOH-210 console (Stereo), to feed external speaker power amplifiers (1 required).

Specifications:

Same as MOA-160, except dual channels
Separation: Better than 60 dB to 20 kHz.

MOA-180 MONAURAL HEADPHONE AMPLIFIER

Used as headphone driver amplifier in MOH-110 (Monaural) console, (1 required).

Specifications:

Input Impedance: To bridge 600 ohm source (unbalanced).

Voltage Gain: 12 dB.

Frequency Response: ± 0.5 dB, 30 Hz to 20 kHz.

Signal-to-noise: Greater than 80 dB.

Output: 10 V, RMS into 600 ohm load.

Recommended Output Load: 600 ohms or greater.

MOA-280 STEREO HEADPHONE AMPLIFIER

Used as headphone drive amplifier in MOH-210 (Stereo) console, (1 required).

Specifications:

Same as MOA-180, except dual channels.
Separation: Greater than 60 dB to 20 kHz.

TYPICAL REQUIREMENTS AND ORDERING INFORMATION:

FOR MOH-110 CONSOLE (Monaural)

2 MOA-150 (Pgm., audition outputs)
1 MOA-160 (Monitor booster)
1 MOA-170 (Cue booster)
1 MOA-180 (Headphone amplifier)

FOR MOH-210 CONSOLE (Stereo)

2 MOA-250 (Pgm., and audition outputs)
1 MOA-170 (Cue booster)
1 MOA-260 (Monitor booster)
1 MOA-280 (Headphone amplifier)