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 MONOaural 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 10K summing resistors.
- **Gain**: 22 dB nominal, 36 dB maximum
- **Frequency Response**: ±.5 dB 30 Hz to 20 kHz
- **Noise Generation**: Less than – 124 dBm equivalent input signal
- **Distortion**: Less than .5% T.H.G. @ +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.
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 600Ω source through 10K series resistor. Unbalanced.
- Voltage Gain: 16 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% T.H.G. @ +20 dBm, 30 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-220 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

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-220 CONSOLE (Stereo)
- 2 MOA-250 (Pgm and audition outputs)
- 1 MOA-170 (Cue booster)
- 1 MOA-260 (Monitor booster)
- 1 MOA-280 (Headphone amplifier)

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)
- Frequency Response: ±0.5 dB 30 Hz to 20 kHz
- Signal-to-noise: Greater than 80 dB @ 1 watt output
- Output: 1 watt max. into 8 ohms, when bridging 600 ohm source @ +4 dBm.
- Output Impedance: To work into 8 ohm to 600 ohm load.

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.