



FEATURES

- 12 Isolated XLR Outputs
- 4 Isolated Mini Outputs
- Powered by Two 9 Volt Batteries
- Battery Indicator Lights
- Audio Link And Video Loop Output
- 85 dB Isolation (Audio)
- 6 (1V P-P) Video Outputs
- Compact And Weighs Only 6.5 lbs.
- Rugged Construction
- Made in the USA

The RCI Model BM-AV is 12 audio, 6 video output, portable "Broadcast Media Mult Box". The unit enables a single line level audio source to feed 12 audio outputs with balanced isolation and enables a single 1V p-p video input to feed 6 video outputs.

The audio input of the BM-AV is designed to operate at a nominal level of +4dBu. The audio outputs provide a nominal level -46dBu. These outputs are highly isolated to prevent trouble in one media member's cable or equipment from affecting the audio received by the other media members. In addition to the 12 XLR balanced outputs, the unit provides mini phone jacks (also highly isolated) for unbalanced equipment. The video input is designed for a 1V p-p, 75 ohm signal and the video outputs provide a 1V p-p, 75 ohm signal out.

Up to six BM-AV's may be linked together via the "Input Mult" and "Loop Out" connections, providing up to 72 balanced audio, 24 unbalanced audio, and 36 video outputs. The audio portion of the BM-AV is passive, requiring no power and is maintenance free. The video portion is powered by two 9 volt batteries with two led indicators provided to monitor battery condition. Additionally, the unit is housed in a rugged ABS attaché case which provides storage space for a microphone and cable or a small mixer.



SPECIFICATIONS

AUDIO

Input: +4dBu, 2k ohms, balanced
Output: -46dBu, 150 ohms, balanced
Isolation: 85dB between outputs
Max Input Level: 150 VAC
Response: 20Hz to 20kHz, \pm 0.1dB
THD: <0.001%
Connections: Input: XLR; 1 male, 1 female
Output: 12 XLR male, 4 mini phone

VIDEO

Input: 75 ohm, 1V p-p
Output: 75 ohm, 1V p-p
Bandwidth: 52 MHz (-3dB)
Connectors: Input: 1 BNC
Output: 1 BNC (Loop), 6 BNC

GENERAL

Overall Dimensions: 228mm H x 305mm W x 140mm D (9 x 12 x 5.5 inches)
Storage Space: 216mm H x 298mm W x 76mm D (8.25 x 11.75 x 3 inches)
Weight: 2.94 kg (6.5 lbs.)
Finish: Black anodized silk-screened panel, ABS thermoplastic shell with extruded aluminum frame, key locks and molded steel core handle

ARCHITECTURAL SPECIFICATIONS

The broadcast media multiple output unit shall be a RCI Custom Products BM-AV. The audio input shall consist of one (1) XLR female and one (1) XLR male connector +4dBu nominal, 2k ohms, with a maximum input level of 150 VAC. The video input shall consist of one (1) BNC connector 1V p-p, 75 ohms. The loop output shall consist of one (1) BNC connector 1V p-p, 75 ohms. The unit shall allow up to six units to be linked together for increased capacity. Audio frequency response shall be 20Hz to 20kHz, +0.1dB with a THD of not less than 0.001%. Video bandwidth shall be 52 MHz at -3dB down point. The audio output shall consist of not less than twelve (12) XLR male connectors for balanced outputs and not less than four (4) 1/8-inch phone jacks for unbalanced outputs at -46dBu nominal, 150 ohms (mic level). At least 85dB isolation between audio outputs shall be provided. The video output shall consist of not less than six (6) BNC connectors for 1V p-p, 75 ohm output. The unit shall be constructed of a black anodized AVD series aluminum front panel and enclosed in an ABS case with thermoplastic steel core handle, draw-bolt key locks, and aluminum frame. It's external dimensions shall not exceed 228mm H x 305mm W x 140mm D (9 x 12 x 5.50 inches), while providing internal storage space of at least 216mm H x 298mm W x 76mm D (8.25 x 11.75 x 3 inches) and shall weigh not more than 2.94kg (6.5 lbs.) with the storage space empty.