



FEATURES

- 24 Isolated XLR Outputs
- 8 Mini Isolated Outputs
- Line Level Input
- 85dB Isolation
- Link Output to Additional BM-24's
- Compact and Weighs Only 5 lbs.
- Rugged Construction
- Passive and Maintenance Free
- Made in the USA

The RCI Model BM-24 is a 24 Output, portable "Broadcast Media Multi Box". The unit enables a single line level audio source to feed 24 audio outputs with balanced isolation.

The input of the BM-24 is designed to operate at a nominal line level of +4dBu. The outputs provide a nominal mic level of -46dBu. The outputs are highly isolated to prevent trouble in one media member's cable or equipment from affecting the audio received by other media members. In addition to the 24 XLR balanced outputs, the unit provides mini phone jacks (also highly isolated) for unbalanced equipment.

Up to three BM-24's may be linked together via the "Input Mult" connection, providing up to 72 balanced and 24 unbalanced outputs. The BM-24 is a passive device requiring no power, and is maintenance free. Additionally, the unit is housed in a rugged attaché case which also provides storage space for a microphone and cable or a small mixer.

Designed for broadcast industry use, the BM-24 is a proven workhorse backed by years of reliability in the field.



SPECIFICATIONS

Input:	+4dBu, 2k ohms, balanced
Output:	-46dBu, 150 ohms, balanced
Isolation:	85dB between outputs
Max Input Level:	150 VAC
Response:	20Hz to 20kHz, + 0.1 dB
THD:	<.001%
Connectors:	Input: XLR; 1 male, 1 female. Output: 24 XLR male, 8 Mini phone
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:	3.7kg (5 lbs.)
Finish:	Black anodized engraved panel, ABS thermoplastic shell with extruded aluminum frame, key locks and molded steel core handle
Options:	Rack mount version: BM-24R

ARCHITECTURAL SPECIFICATIONS

The broadcast media multiple output unit shall be a RCI Custom Products BM-24. The 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 unit shall allow not less than three units to be linked together for increased capacity. Frequency response shall be 30Hz, \pm 0.1dB with a THD of not more than .001%. The output shall consist of not less than twenty-four (24) XLR male connectors for balanced outputs and not less than eight (8) 1/8th inch phone jacks for unbalanced outputs at -46dBu nominal, 150 ohms (mic level). At least 85dB isolation between outputs shall be provided. The unit shall be constructed of a black anodized AVD series aluminum front panel and enclosed in an ABS case with a thermoplastic steel core handle, draw-bolt key locks, and aluminum frame. Its external dimensions shall not exceed 228mm H x 305mm W x 140mm D (9 x 12 x 5.5 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 3.7kg (5 lbs.) with the storage space empty.