



FEATURES

- **16 Transformer Balanced Isolated Outputs**
- **Line Level XLR Input with VU Meter**
- **Link Output for Chaining Modules**
- **Passive and Maintenance Free**
- **Portable and Rack Mount versions**
- **Broadcast Quality construction**
- **Jensen™ Brand Transformers**
- **Made in the USA**

The RCI BMXM-16 is a highly isolated 16 output portable or rack mountable expansion module, designed for use with the RCI Custom family of Broadcast Media Mult Boxes. The unit allows a user to increase the output capacity of any RCI Mult box (or any 600 ohm +4dBu analog audio source) by an additional 16 highly isolated transformer-balanced mic outputs from a single line level audio source.

The input of the BMXM-16 operates at a nominal line level of +4dBu @600 ohms. The large VU input meter allows for monitoring of the input signal level. All outputs provide a nominal mic level of -46dBu. Each output is isolated and balanced using Jensen™ brand transformers to eliminate hum, noise, and crosstalk between all connected media equipment.

Multiple BMXM-16s may be linked together via the convenient front panel Link Output. The BMXM-16 is a passive device requiring no power, and it is completely maintenance-free. Additionally, the unit is available with handles for portability, or may be rack mounted with the optional 3RU rack ears.

Designed for broadcast industry use, the BMXM-16 expands the capabilities of RCI's industry standard BM-Series Mult Boxes.



SPECIFICATIONS

Input:	+4dBu, 600 ohm, balanced
Mic Level Outputs:	-46dBu nominal, balanced
Link Output:	+4dBu, 600 ohm, balanced
Isolation:	96dB between balanced outputs
Response:	20Hz-20kHz, +0.2dB
THD:	<.05% midband, 0.5% at 40Hz
Connectors:	Input: (1) female XLR Mic Outputs: (16) male XLRs Link Output: (1) male XLR
Dimensions:	133mm H x 483mm W x 105mm D (5.219 x 19.0 x 4.125 inches)
Weight:	3.6kg (8 lbs.)
Chassis:	0.093 aluminum, textured black powdercoat finish, engraving ink filled white
Rack Ears:	0.125 aluminum, textured black powdercoat finish

ARCHITECTURAL SPECIFICATION

The broadcast media expansion module shall be an RCI Custom Products BMXM-16. The line input shall be one (1) female XLR connector, +4dBu @ 600 ohms. The link output shall be one (1) male XLR connector paralleled to the input. Multiple units may be linked together for increased capacity. Frequency response shall be 20Hz-20kHz, + 0.2dB with 8 THD of not more than 0.05%. The microphone level outputs shall be sixteen (16) male XLR connectors, -46dBu nominal, transformer balanced. Isolation shall be at least 96dB between balanced outputs. The unit shall be constructed of lightly textured black powder coated aluminum with white ink filled engraving. External dimensions shall not exceed 133mm H x 483mm W x 105mm D (5.219 x 19 x 4.125 inches) and shall weigh no more than 3.6kg (8 lbs.).