



FEATURES

- Mic/Line Switchable Input
- 16 Mic/Line Switchable Outputs
- Jensen® Transformer Balanced Outputs
- Level Control
- XLR, 1/4" Phone, RCA and Mini Outputs
- VU Output Level Meter
- Professional Signal Levels
- High Signal to Noise Ratio
- Compact Size (14H x 18W x 5D Inches)
- Rugged Zero Haliburton Aluminum Case
- Professional quality construction
- Made in the USA

The RCI BM-16D is a 16 output portable "Broadcast Media Mult Box" which has been designed with the needs of the professional news, conference and production organization in mind. The BM-16D enables a single mic or line level audio source to feed 16 mic/line switchable outputs.

The balanced input of the BM-16D is mic/line switchable and designed to operate with the line feed from a mixer or directly with a microphone. Phantom power is switched on in the mic position. A level control and VU meter provide the means for setting proper output level, adjusting for various source levels. The 16 balanced XLR outputs are mic/line switchable. Additionally 1/4" Phone, RCA and Mini outputs are provided on four of the sixteen outputs for unbalanced equipment. The outputs are highly isolated to prevent problems in equipment hooked-up to one feed from affecting the other feeds. Multiple BM-16Ds can be linked together via the Link Output XLR.

Designed for broadcast industry use, the BM-16D is housed in a rugged Zero Haliburton aluminum case and takes advantage of the high performance of Jensen® transformers.



SPECIFICATIONS

Input:	Mic/line switchable
Mic Input:	-46dBu transformer balanced, 1.2k ohm, -72dBu sensitivity, 18VDC phantom
Line Input:	+4dBu transformer balanced, 20k ohm, -20dBu sensitivity
Link Output:	+4dBu transformer balanced, 600 ohm
Output:	Mic/line switchable
Mic Output:	-46dBu transformer balanced, 150 ohm
XL Line Output:	+4dBu transformer balanced, 600 ohm, +23dBu clip
Unbalanced Line Output:	-20dBV unbalanced, 600 ohm
Frequency Response:	20Hz – 20kHz, ± 0.5 dB
THD:	Less than .01%
Noise:	75 dB signal to noise
Output Isolation:	120dB mic to mic/line, 80dB line to mic/line
Dimensions:	355 mmH x 457 mmW x 127 mmD (14 x 18 x 5 inches)
Weight:	7.3 Kg (16 lbs.)
Power:	110 VAC, 60 Hz
Finish:	Clear Anodize

ARCHITECTURAL SPECIFICATIONS

The broadcast media multiple output unit shall be a RCI Custom Products BM-16D. The input shall be one (1) female XLR connector and be switchable between mic (-72dBu) and line (+4dBu) level. The link output shall be one (1) male XLR connector. Multiple units may be linked together for increase output capacity. There shall be sixteen (16) outputs of male XLR connectors and be switchable between mic (-46dBu) and line (+4dBu) level. Additionally there shall be a 1/4" phone, RCA and mini unbalanced (-20dBV) connectors on four of the sixteen outputs. Frequency response shall be 20Hz-20KHz ± 0.5 dB. Total harmonic distortion shall be less than .01% and signal to noise ratio at least 75dB. Isolation shall be at least 120dB mic to mic/line and 80dB line to mic/line outputs. The unit shall be constructed of a clear anodized, AVD-Series aluminum panel with black engraved legends and enclosed in an aluminum attaché case with a thermoplastic steel core handle, clip latches, and an aluminum frame. External dimensions shall not exceed 355mmH x 457mmW x 127mmD and shall weigh no more than 7.3Kg.