



## FEATURES

- Mic/line switchable input
- 16 isolated mic/line switchable outputs
- Jensen® transformers
- Level control
- XLR, 1/4" phone, RCA and mini outputs
- VU output level meter
- Active electronics
- AC or battery powered
- Professional signal levels
- High signal to noise ratio
- Professional quality construction
- Compact size (14H x 18W x 5D inches)
- Rugged Zero Haliburton aluminum case
- 220 V European adapter available
- Rack or wall mount versions available
- Made in the USA

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

The balanced input of the BM-16DB 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 connected to one feed from affecting the other feeds. Multiple BM-16DB's can be linked together via the link output XLR.

The BM-16DB is powered by 120 VAC 60 Hz. Alternately, it may also be powered by four 9V batteries (approximately 2 1/2 hours at full load with fresh alkaline batteries). The batteries serve as a backup power source when used with standard AC power, automatically going into battery backup under power failure.

Designed for professional broadcast industry use, the BM-16DB utilizes high performance Jensen® transformers. Housed in a rugged Zero Haliburton aluminum case. 220 V. European adapter available. (Model # XXXXX)

Rack mount (BM-16DBRM), surface wall mount (BM-16DBSM), and flush wall mount (BM-16DBFM) versions also available. Note: Rack mount and wall mount versions do not include battery section and standard color is black anodize. Custom configurations and colors available.



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,  $\pm 0.5$ 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")
- Weight: 7.3 Kg (16 lbs.)
- Power: 110 VAC, 60 Hz or 4-9V batteries
- Finish: Clear anodize

A & E SPECIFICATIONS

*The broadcast media multiple output unit shall be a RCI Custom Products Model \_\_\_\_\_ (BM-16DB, BM-16DBSM, BM-16DBFM, BM-16DBRM). 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-20 KHz  $\pm 0.5$ 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 portable unit version 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 aluminum frame. External dimensions shall not exceed 355mmH x 457mmW x 127mmD (14" x 18" x 5") and shall weigh no more than 7.3Kg.*