



FEATURES

- 30 balanced XLR outputs
- 10 – 1/8" mini phone mic outputs
- 10 – 1/8" mini phone line outputs
- Link output for additional units
- Headphone / monitor output
- Highly isolated outputs
- VU level meter
- Built in tone oscillator
- Professional signal levels
- High signal to noise ratio
- Auto switching AC / battery, 120/240
- Compact size (14H x 18W x 5D inches)
- Extremely rugged aluminum case
- Rack and wall mount versions available
- Professional quality construction
- Made in the USA

The RCI Model BM-30M is a 30 output portable "Broadcast Media Mult Box" which has been designed with the needs of the professional news, conference and production organizations in mind. The BM-30M enables a single mic or line level audio source to feed 30 balanced audio outputs, 10 unbalanced mic outputs and 10 unbalanced line outputs, all highly isolated.

Among the benefits of the BM-30M are the road-worthy aluminum briefcase enclosure, and such useful features as an input level control and VU meter, internal tone generator and headphone/monitor output. Multiple BM-30M's may be linked together via the "Link Input/Output" connection to meet the needs of even the largest events. The auto-charging, auto-switching power system features 120/240 volt AC operation for worldwide use and a 20 hour duty cycle battery sub-system to ensure that your feed will continue uninterrupted, even in the event of a power outage.

The BM-30M has a proven record of reliability and durability that has been demonstrated through years of service in governmental organizations, large venues, and news centers worldwide. The BM-30M is considered throughout the audio industry to be the standard in broadcast media mult boxes. Rack mount (BM-30MRM), surface wall mount (BM-30MSM), and flush wall mount (BM-30MFM) versions available. Please contact factory.



SPECIFICATIONS:

- Mic Input: -54dBu transformer balanced, 2k ohm – 10dBu sensitivity
- Line Input: +4dBu transformer balanced, 50k ohm – 12bBu sensitivity
- Link Output: 600 ohm transformer balanced, -2dBu nominal output
- Mic Output: 100 ohm transformer balanced, -55bBu nominal output
- Mic Output: 150 ohm –40dBu nominal output
- Line Output: 600 ohm –20dBu nominal output
- Headphone Output: 150 ohm unbalanced, + 10dBu max output
- Frequency Response: 20Hz – 20 kHz, ± 1dBu
 - THD: Less than 0.5%
 - Noise: 65dB signal to noise
- Output Isolation: 120dB between XL outputs, 120dB between phone jack and XL groups, 90dB between mic phone jacks, 90dB between line phone jacks
- Meter: VU/battery
- Oscillator: 875HZ, 0.5%THD replaces input source, pre level control
- Dimensions: 355mm H x 457mm W x 127mm D (14" x 18" x 5")
- Weight: 10.3 kg (23 lbs.)
- Power: 120/240 VAC, 60Hz battery backup, two 12V gel cells, automatic switchover, internal trickle charge while plugged in, and overnight fast charge selector
- Finish: Clear anodized
- Options: Rack mount: BM-30MRM, Surface wall: BM-30MSM, Flush wall: BM-30MFM

A & E SPECIFICATIONS

The broadcast media multiple output unit shall be a RCI Custom Products Model_____ (BM-30M, BM-30MRM, BM-30MSM, BM-30MFM). The MIC input shall consist of one (1) XLR female connector, 2k ohms, transformer balanced, designed for 150-600 ohm source, at -54dBu nominal level, -70dBu sensitivity. The LINE input shall consist of one (1) XLR male connector 50k ohm transformer balanced, designed for parallel connection of multiple units +4dBu nominal level, -12dBu sensitivity. The unit shall feature a VU meter, post the input level control, and 0 VU shall equal +4dBu input. Frequency response shall be 20Hz to 20 kHz, +/-1dB with a THD of not more than .5% and a signal to noise ratio of 65dB or better. Output isolation shall be at least 120dB between balanced outputs, 120dB between phone jacks and balanced groups, and 90dB between mic level phone jacks and 90dB between line level phone jacks. The unit shall be powered by 120/240 VAC 60/50Hz line source with built in auto-switching battery back-up consisting of two (2) 12V gel cell batteries, automatic switchover, internal trickle charger and overnight fast charge selector. The unit shall have a built-in oscillator operating at 875Hz with no more than 0.5% THD and provide an input selector switch to switch between pre-broadcast tone and live signal, prior to level control. The unit shall have an unbalanced headphone output designed for 8 ohm headphones, with a +10dBu output. The unit shall feature a transformer balanced, link output designed for ≥ 600 ohm loads at –2dBu nominal output for the purpose of linking multiple BM-30 units together. The balanced mic outputs shall consist of not less than thirty (30) 100 ohm, transformer balanced XLR connectors for balanced loads at ≥ 150 ohm, -55dBu nominal level. The unbalanced mic outputs shall consist of not less than ten (10) 150 ohm unbalanced 1/8-inch phone jacks designed for ≥ 150 ohm load, -40dBu nominal level. The unbalanced line outputs shall consist of not less than ten (10) 600 ohm unbalanced 1/8-inch phone jacks designed for ≥ 600 ohm load, -20dBu nominal level. The portable unit version shall be constructed of an AVD series clear anodized aluminum front panel and enclosed in an aluminum briefcase with a thermoplastic steel core handle, clip latches, and aluminum frame. Its external dimensions shall not exceed 355mm H x 457mm W x 127mm D (14" x 18" x 5") and shall weigh not more than 10.3 kg (23 lbs).