

# MSC1



## The JBL MSC1 Monitor System Controller

with **RMC™ ROOM MODE CORRECTION**

The MSC1 Monitor System Controller includes essential “Monitor Strip” features found in large mixing consoles so you can take control of all monitoring functions from your place at the mix position. Since the acoustics of the room can play a big part in what you hear, the MSC1 includes JBL's highly acclaimed RMC Room Mode Correction Technology to tune your monitor system to the room. The end-result is a calibrated reference environment in which your speakers work in harmony with your room to take the guesswork out of mixing.



# RMC™

## ROOM MODE CORRECTION

Unless your room was professionally designed, your workspace may suffer from the effect of Room Modes: low frequency resonance that causes even the most experienced mixers to misjudge bass in the mix. RMC Room Mode Correction Technology in the **MSC1 Monitor System Controller** measures response at the mix position and automatically balances and tunes the system to tackle low frequency problems caused by room modes and interference with the room's boundaries. System calibration is accomplished using MSC1 Control Center Software, your computer, and the supplied calibration microphone. The software also provides fine-control of monitor EQ, subwoofer level and cross over settings.

### INPUT SOURCE SELECTION AND SPEAKER CONTROL

The MSC1 gives you the ability to monitor up to three 2-channel input sources, such as a mixing console, computer workstation, and personal MP3 or CD player while controlling the volume of the monitor system. The MSC1's primary speaker "A" outputs include monitor EQ and RMC to tune the monitors to the room. A subwoofer can be connected for use with the "A" speakers, and has its own output level control, selectable crossover settings and RMC to perfectly blend the sub with the "A" speakers. The "B" speaker outputs allow connection of a second set of speakers. The MSC1 also has a headphone output with independent level control.

### THE MSC1 ADDS THESE PROFESSIONAL "MONITOR-STRIP" FEATURES TO YOUR SYSTEM:

- Master Volume Control • A/B Speaker Select • A/B/C Input Source Select • Subwoofer Output with Level Control and Selectable Crossover Frequencies
- Adjustable Low Frequency and High Frequency Speaker EQ • Headphone Output with Volume Control • Monitor Mute Control
- RMC On/Bypass Control • Adjustable input gain with Signal Present and Clip indicator • The MSC1 can be used with any studio monitor system



### FEATURES AND SPECIFICATIONS

#### SOFTWARE CONTROLS

RMC Calibration Controls  
Speaker EQ (Output A)  
LF EQ Frequency: 20 Hz to 1.1 kHz Shelf, 32 options  
LF EQ Gain: +/- 3 dB in .25 dB increments  
HF EQ Frequency: 2.5 kHz to 17 kHz Shelf, 28 options  
HF EQ Gain: +/- 3 dB in .25 dB increments

#### SUBWOOFER SETTINGS

Level: +/- 10 dB from nominal in .5 dB increments  
Selectable Crossover Frequencies: 60 Hz, 80 Hz, 120 Hz  
Polarity: 0 degrees / 180 degrees

Specifications subject to change without notice.

#### INPUT PANEL FEATURES

Inputs A, B / C: 4 Balanced 1/4" TRS / 2 Unbalanced RCA  
Outputs A, B and Subwoofer: 5 Balanced 1/4" TRS  
Headphone: Stereo 1/4"  
RMC Mic IN / OUT: 1/8" TRS  
Computer Interface: USB 2.0

#### INCLUDED ACCESSORIES

RMC Calibration Microphone  
Computer Interconnect Cables  
MSC1 Control Center Software Minimum System Requirements:  
Macintosh OSX 10.4.1,1 or later  
Windows XP (SP2), Vista, Windows 7 32-bit/64-bit

#### Processor

Macintosh: Power PC or Intel, 2 GHz (Duo core recommended)  
PC: 1.6 GHz. Netbook Atom processor not supported  
Hard Drive Space: 200 MB  
RAM: 1 GB  
Display: 1024 x 768 pixels minimum  
Audio: Internal soundcard with accessible analog audio IN / OUT connectors.  
External Audio Interface optional.  
USB Port

#### SYSTEM PERFORMANCE:

S/N, Dynamic Range: 110 dB typical, A-weighted, 20 Hz - 20 kHz  
Frequency Response: +0/-0.5 dB, 20 Hz - 20 kHz  
THD+N: < 0.04% A/D/A, 20 Hz - 20 kHz  
A/D, DA Converters: 24 Bit  
Internal Processing: 48 Bit, 48 kHz  
Maximum Input Level: +24 dBu 6.5 mm (1/4 in inputs), phono (RCA inputs)  
Maximum Output Before Clipping: +17 dBu  
Power Requirements: 12 VDC, 0.5A  
Dimensions W x D x H: 198 mm x 165 mm x 83 mm (7.8" x 6.5" x 3.25")

[www.jblpro.com](http://www.jblpro.com)

8500 Balboa Boulevard  
Northridge, CA 91329 USA

CAT MSC1 11/10 © 2010 JBL Professional

**MSC1**  
MONITOR SYSTEM CONTROLLER

