

SONIFEX

Redbox RB-MA1

Single Microphone Amplifier

Redbox RB-MA2

Dual Microphone Amplifier

2014-15

Catalogue





RB-MA1 Single Microphone Amplifier



Category: Microphone Amplifiers & Limiters.

Product Function: Amplification of mic level signals to line level.

Typical Applications: To amplify additional microphones in a studio talks area, court room microphone amplification

Features:

- Neutrik XLR connectors.
- Mic input gain adjustment.
- +48V phantom power.
- High pass (rumble) filter.

The RB-MA1 consists of a low noise microphone pre-amplifier for converting mic level signals to line level, or for driving long lines from microphones to mixing equipment.

The connections and controls are on the rear panel. The microphone input is an XLR-3 type and is electronically balanced. The gain for the input can be adjusted by a recessed pre-set potentiometer which allows for the use of both dynamic and powered microphones.

The line output is of an XLR-3 type and is electronically balanced. It can be wired unbalanced by grounding the non-phase

signal, allowing you to feed both balanced and unbalanced equipment.

There is a switch to control a high pass filter (low frequency roll-off at 125Hz) and to provide phantom power at +48V to the connected microphone.

Specification For RB-MA1

Audio Specification	
Maximum Input Level:	-10dBu
Maximum Output Level:	+28dBu
Low Frequency Roll-Off:	125Hz @ 6dB/octave
E.I.N.:	130dB
Common Mode Rejection:	>60dB typically
Frequency Response:	20Hz to 20kHz ±0.1dB (600Ω load, ref 1kHz)
Input Impedance:	2kΩ nominal balanced

Output Impedance:	<50Ω
Gain Range:	Adjustable 36dB to 75dB gain
Distortion:	0.01% THD @ 1kHz, ref +8dBu output
Phantom Power:	48V
Connections	
Input:	1 x XLR 3 pin female (Balanced)
Output:	1 x XLR 3 pin male (Balanced, can be unbalanced)
Mains Input:	Filtered IEC, switchable 110-120V, or 220-240V, fused, 6W max
Fuse Rating:	Anti-surge fuse 100mA 20 x 5mm (230VAC) Anti-surge fuse 250mA 20 x 5mm (115VAC)
Equipment Type	
RB-MA1:	Single microphone amplifier
Physical Specification	
Dimensions (Raw):	28cm (W) x 10.8cm (D) x 4.2cm (H) (1U) 11" (W) x 4.3" (D) x 1.7" (H) (1U)
Dimensions (Boxed):	36cm (W) x 20.5cm (D) x 6cm (H) 14.2" (W) x 8" (D) x 2.4" (H)
Weight:	Nett: 0.90kg Gross: 1.35kg Nett: 2lbs Gross: 3lbs





RB-MA2 Dual Microphone Amplifier



Category: Microphone Amplifiers & Limiters.

Product Function: Amplification of two mic level signals to line level.

Typical Applications: To amplify additional microphones in a studio talks area, court room microphone amplification, converting mic signal where mic and amp are a long distance apart.

Features:

- Neutrik XLR connectors.
- Mic input gain adjustment.
- +48V phantom power.
- High pass (rumble) filter.



The RB-MA2 consists of two independent low-noise microphone pre-amplifiers for converting mic level signals to line level, or for driving long lines from microphones to processing equipment.

All connections and controls are on the rear panel. The microphone inputs are XLR-3 type and are electronically balanced. The input gain for each input can be adjusted individually by a recessed pre-set potentiometer which allows for the use of both dynamic and powered microphones.

The XLR-3 line outputs are electronically balanced and can be wired unbalanced by grounding the non-phase signal, allowing you to feed both balanced and unbalanced equipment.

For each channel there are independent switches to control a high pass filter (low frequency roll-off at 125Hz) and to provide phantom power at +48V to the connected microphones.

Specification For RB-MA2

Audio Specification

Maximum Input Level:	-10dBu
Maximum Output Level:	+28dBu
Low Frequency Roll-Off:	125Hz @ 6dB/octave
E.I.N.:	130dB
Common Mode Rejection:	>60dB typically
Frequency Response:	20Hz to 20kHz ±0.1dB (600Ω load, ref 1kHz)
Input Impedance:	2kΩ nominal balanced
Output Impedance:	<50Ω

Gain Range:	Adjustable 36dB to 75dB gain (each input)
Distortion:	0.01% THD @ 1kHz, ref +8dBu output
Phantom Power:	48V

Connections

Inputs:	2 x XLR 3 pin female (Balanced)
Outputs:	2 x XLR 3 pin male (Balanced, can be unbalanced)
Mains Input:	Filtered IEC, switchable 110-120V, or 220-240V, fused, 6W max
Fuse Rating:	Anti-surge fuse 100mA 20 x 5mm (230VAC) Anti-surge fuse 250mA 20 x 5mm (115VAC)

Equipment Type

RB-MA2:	Dual microphone amplifier
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Physical Specification

Dimensions (Raw):	28cm (W) x 10.8cm (D) x 4.2cm (H) (1U)
Dimensions (Boxed):	11" (W) x 4.3" (D) x 1.7" (H) (1U)
Weight RB-MA2:	Nett: 1.00kg Gross: 1.45kg Nett: 2.2lbs Gross: 3.2lbs

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