

# Sonodore

## Sonodore MPB-502

2 Channel Microphone Pre-Amplifier / Battery Powered



The Sonodore pre-amplifier MPB-502 is especially designed for the Sonodore microphone RCM-402. The pre-amplifier is 'unbalanced' to avoid the negative effects (different kinds of distortion) that occur in balanced circuits. This results in a very high sound quality.





Technical Specifications	
Frequency response:	4 Hz to 1MHz (-3dB)
THD+N:	0.0001% at 0dB gain 0.001% at 53dB gain (at +14dBu, 20Hz to 20KHz)
Equivalent input noise:	0.29µV at 53dB gain 1,8µV at 0dB gain (A-weight)
Slew Rate:	20V/µS
Crosstalk:	>75dB at 0-10KHz
Maximum output level:	8,5V , +21dBu
Output impedance:	56 Ohms
Maximum output current:	50mA
Input impedance:	22KOhm unbalanced
DC offset :	< ±2mV
Cable drive capability:	> 100m
Gain:	0 to 53 dB (0 dB, 15 dB, 30 dB +0 to 23dB in 1dB steps)
Number of channels:	2
Input:	4-pin XLR female connector (unbalanced, transformerless)
Output:	3-pin XLR male connector (balanced, ground compensated)
Power requirements:	105-120V and 210-240V, 50 to 60 Hz
Power consumption max:	20W
Weight:	6,2 kg
Dimensions:	30,5cm × 23,5cm × 7cm (12" x 9.3" x 2.7")

Battery power	
Max operating time, full battery:	32 hours
Operating time after 1 hour charging when battery is empty:	6 hours
Battery fully charged in:	36 hours
After 1 day of recording:	Try to reach 24 hours charging
For the life span of the batteries:	Try to charge in the breaks during a recording (not necessary)
In case of long time storage:	It's necessary to charge for 36 hours after 1 month
It makes no sense:	To charge longer than 36 hours
If the maximum operating time is lower than 20 hours:	Consider replacing batteries