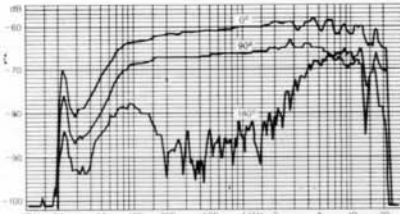
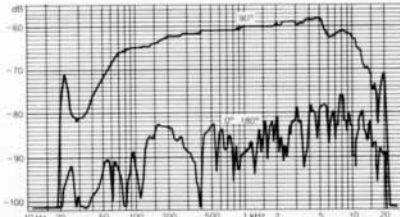


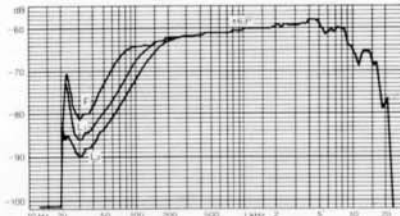
## Frequency Response



Mid



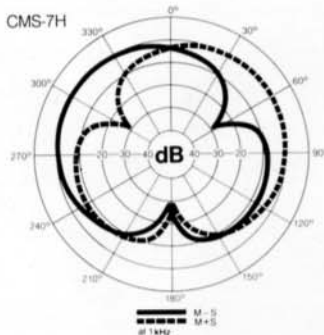
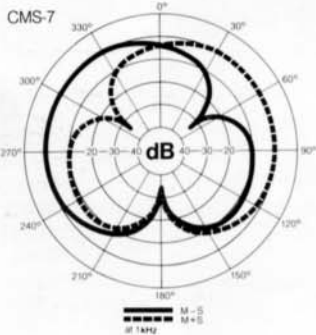
Side



L-R

F=Flat response  
L<sub>1</sub>=Low roll off 1  
L<sub>2</sub>=Low roll off 2

## Polar Pattern



# CMS-7s Microphone Accessories

## CMS-MBB I Battery Power Supply and Switchable Matrix Box



CMS-MBB II Battery Power Supply and Switchable Matrix Box

The CMS-MBB I\* is a portable power supply and matrix box specially designed for the Sanken CMS-7s microphone.

Using either battery or 48V phantom power, it features a width control for designating stereo aperture, a selective M-S or L-R output switch, a battery power switch, and a battery life warning LED. All switches are located on one side for convenient operation.

It slips easily into the pocket of a portable recorder's carrying bag or clips to a belt.

\*Also available in the optional CMS-MBB II model, which has a monitoring L-R output for stereo headphones. (The headphone signal, determined by the width control, is unaffected by L-R or M-S selection.)

## Specifications

Operating Voltage:	Battery Supply=6V DC (four 1.5V AA batteries) Phantom Supply=48 ±4V phantom
Operating Time:	40 hrs. minimum with battery supply; 17 hrs. minimum for CMS-MBB II with headphones in use
Current Consumption:	Battery Supply = 14mA (31mA for CMS-MBB II with headphones in use); Phantom Supply = 16mA (33mA for CMS-MBB II with headphones in use)
Connectors and Supply Voltage Polarity:	XLR 7-31; Pin 1 and Case=0V, Pin 2, 3, 4 and 5=0V, Pin 6=+5.5V, Pin 7=+36V
Output Connectors:	XLR 3-32C (× 2); M-L Output ~ Pin 1=ground, Pin 2=audio (positive), Pin 3=audio; S-R Output ~ Pin 1=ground, Pin 2=audio (positive), Pin 3=audio; Stereo Monitoring Output ~ Center=right, Outside=left
Controls:	Power Switch ~ Battery, Phantom; M-S/L-R Selector ~ M-S, L-R; 3-Position Low Cut Switch ~ 1=no cut filter, 2=cut filter with 6dB/oct slope and 4dB down at 100Hz, 3=cut filter with 6dB/oct slope and 8dB down at 100Hz; 6-Position Stereo Width Control ~ 1=0° (mono), 2=60°, 3=90°, 4=110°, 5=120°, 6=127° (M=S, see Application Notes)
Indicators:	Battery life warning LED, phantom power LED
Dimensions:	H=80mm (3.2 in.), W=152mm (6.0 in.), D=37mm (1.5 in.)
Weight (incl. batteries):	750g (1.65 lbs., CMS-MBB I); 780g (1.72 lbs., CMS-MBB II)
Construction:	Aluminium die casting with non-glare enamel finish
Notes:	In M-S position, M and S output is in 1:1 ratio./ When 48V phantom power is used, the CMS-MBB automatically switches from battery supply mode to phantom power mode. Specifications subject to change without notice.