

Microphone  
M86/M87

# AUDAC

PROFESSIONAL AUDIO EQUIPMENT  
**M86/M87 Dynamic Microphone**

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# User Manual

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## General

The M86 and M87 are professional and reliable super cardioid dynamic microphones which are perfect suited for on stage use.

They are solid constructed with a robust grill to protect the diafragram against rough handling, and are suited for indoor as well as outdoor use.

The high sensitive neodymium element ensures a perfect reproduction of music and speech which will be loved by a wide variation of singers and musicians. This makes them the perfect microphones for performers and instruments.. Due to the unidirectional (supercardioid) polar pattern, the feedback is reduced to a strict minimum.

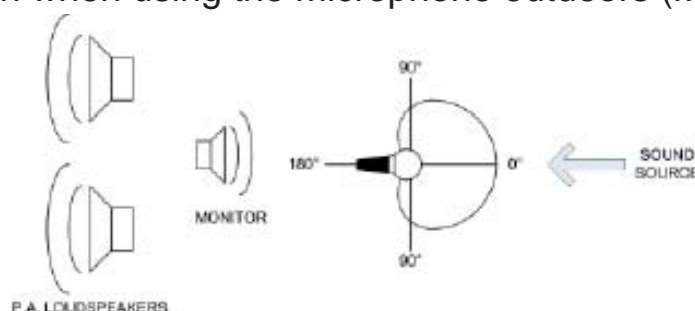
The M86 and M87 are both exactly the same microphones with the same specifications, except the on/off switch which is only provided on the M87.

## Features

- Rugged vocal/instrumental microphone
- High quality dynamic microphone capsule
- Super cardioid pick-up pattern with excellent rejection of off-axis sound
- Advanced shock mount system that minimizes transmission of mechanical noise and vibration
- Sturdy metal grill and body
- On/Off switch (M87 only)

## General rules for use

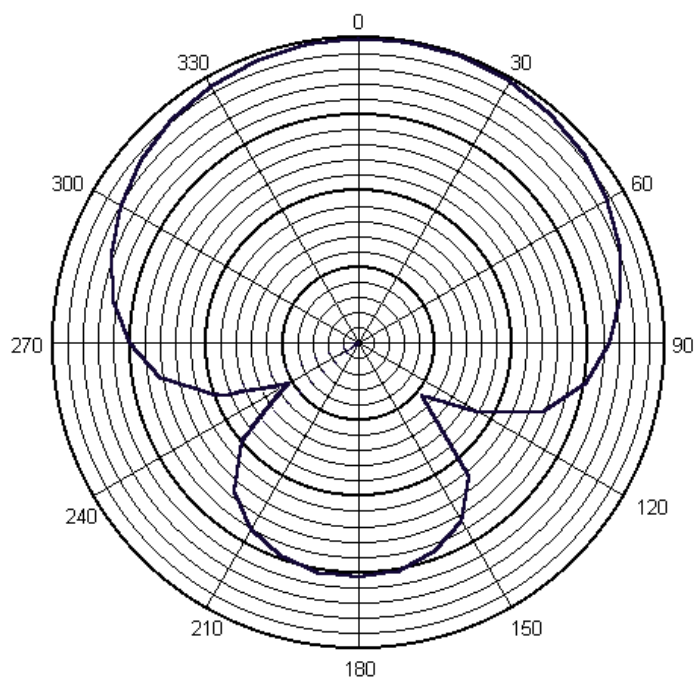
- Aim the microphone toward the desired sound source (talker, singer, instrument) and away from unwanted sources.
- Place the microphone as close as practical and hold it on a constant distance to the desired sound source.
- Work close to the microphone for extra bass response.
- Use only one microphone to pick up a single sound source.
- Use the fewest number of microphones as practical
- Keep the distance between microphones at least three times the distance from each microphone to it's source.
- Place microphones as far as possible from reflective surfaces.
- Add a windscreen when using the microphone outdoors (MC50)



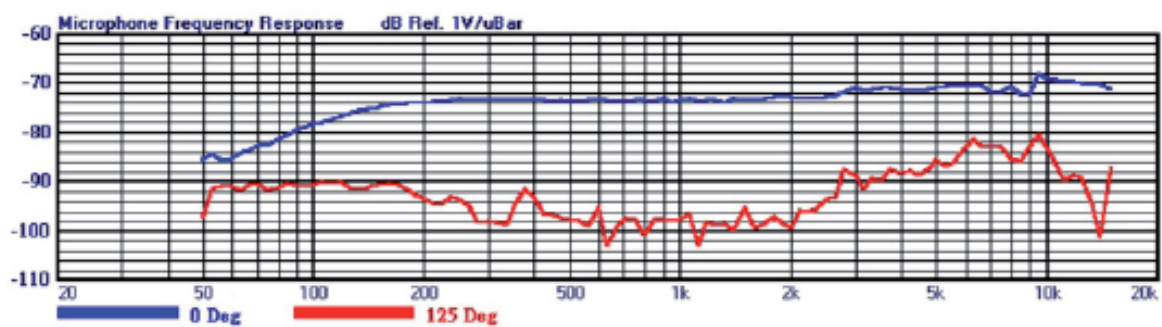
**Recommended loudspeaker locations**

## Specifications

Microphone type	Dynamic
Polar pattern	Super Cardioid
Frequency response	50 Hz - 18 kHz
Sensitivity	-74 dB $\pm$ 3 dB
Impedance	300 Ohm
Magnet	Neodymium
Output connector	3-pin XLR
Dimensions	$\varnothing$ 51 x 178mm
Weight	360g



Measured at 1000 Hz  
**Figure 1: Polar pattern**



**Figure 2: Frequency response**

CE



Eligible to bear CE marking. Conforms to European EMC Directive 89/336/EEC. Meets applicable tests and performance criteria in European standard EN 55103 (1996) parts 1 and 2, for residential (E1) and light industrial (E2) environments.