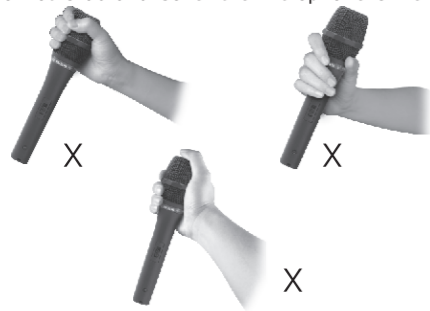


How to Hold a Wireless Handheld Microphone In Order to Achieve the Best Sound Performance?

1. Do Not Grab and Cover the Microphone Grille:



2. Don't cover the microphone Grille, prevent make more feed back.

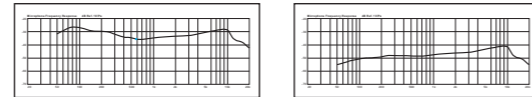


3. Holding the microphone at its housing is the best technique for original sound quality.



-5-

Keep a Proper Distance between the wireless Microphone and Mouth!

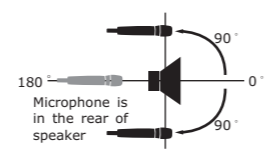


When the microphone is close to the mouth, sensitivity level and bass response is strengthened as the distance gets closer, due to proximity effect.

Increasing the distance between the microphone and their mouth will decrease the proximity effect and reduce the bass response.

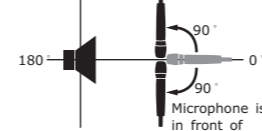
Avoid Pointing the Wireless Microphone Directly Towards the Speakers

Microphone is in the sides of speaker

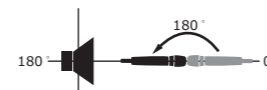


Holding microphone at the side, or the rear of speaker has less possibility of howling feedback.

Holding microphone vertically or horizontally is OK.



Keeping the angle between microphone and speaker over 90 degree can minimize occurrence of feedback.



Cardioid directionality
Cardioid microphone keeps 180 degree toward the front of speaker.



Super-cardioid directionality
Super-cardioid microphone 120~140 degree toward the front of speaker has the minimum feedback.

-6-

MM-707B/MM-709B CONDENSER MICROPHONE

MIPRO MM-707B/MM-709B is a handheld microphone designed specially for vocals. It is equipped with a premium MIPRO cardioid condenser microphone capsule. Featuring high sensitivity, wide dynamic ranges and smooth frequency response which brings accuracy, detail and warmth in vocal reproduction. Patented shock-mount design resulting in extremely low handling and stand noises. MM-707B/MM-709B has a built-in battery with over 5000 continuous usage hours.

FEATURES:

1. Uniform cardioid pickup pattern isolates the main sound source and minimizes background noise. Its precise polar pattern permits outstanding gain-before-feedback.
2. Smooth frequency response brings natural vocal reproduction.
3. Built-in wind / pop filters reduce undesirable breath and wind noises.
4. High sound pressure level (SPL) capability with high dynamic range to minimize distortion.
5. Advanced internal, rugged shock-mount system adsorbs and protects the capsule against mechanical shocks and minimizes handling and stand noises.

FURNISHED ACCESSORIES:

- ① SWIVEL ADAPTER ×1
- ② CARRYING STORAGE BAG ×1
- ③ BATTERY ×1

-1-

SPECIFICATIONS:

- Capsule Type : Back-electret Condenser Microphone
- Frequency Response : 50 to 18KHz (see Figure 3)
- Directionality : cardioid (see Figure 4)
- Sensitivity : -52dBV/Pa (0dB=1V Open Load Voltage)
- Self-Noise : 25dB SPL (A-Weighting)
- Maximum SPL :
≥135dB using 1.5V battery
≥145dB using 3.6V lithium battery
- Dynamic Range :
≥110dB using 1.5V battery
≥120dB using 3.6V lithium battery
- S/N Ratio : 69dB at 94dB SPL (1Pa)
- Power Supply : Single AA-sized Battery or 3.6V Lithium Battery
- Current Drain : 250 μ A
- Battery Life : Approx. 5,000 to 10,000 hours, Alkaline Battery
- Dimensions : See Figure 1

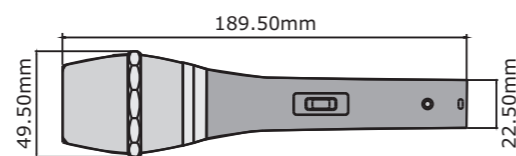


Figure 1 : Dimensions

-2-

BATTERY INSERTION:

Unscrew Grille in counter-clockwise direction. Insert a 1.5V AA-type into the battery compartment according to the correct polarity as shown in Figure 2.

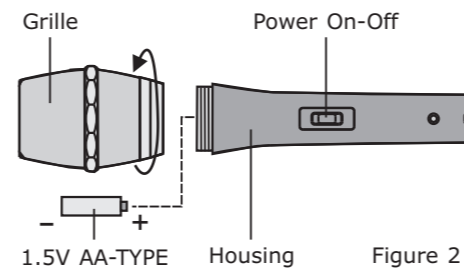


Figure 2

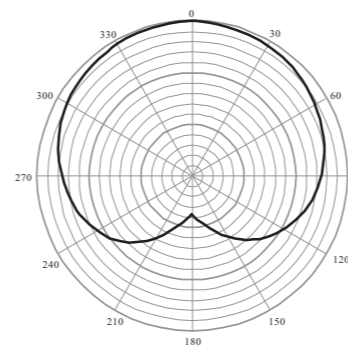
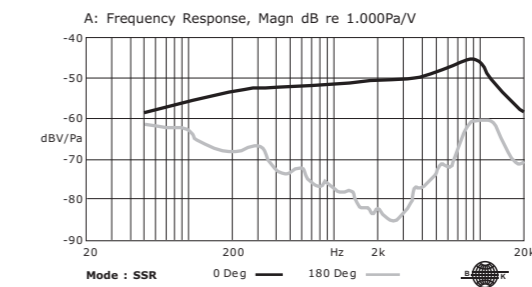


Figure 3 : Polar Pattern

-3-

MM-707B:



MM-709B:

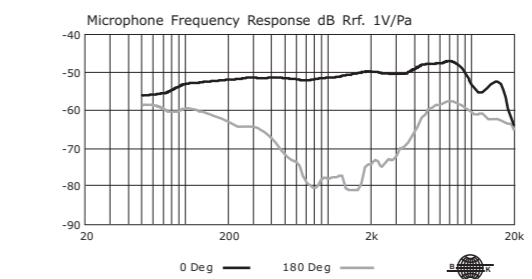


Figure 4 : Frequency Response

-4-

User Guide

MIPRO[®]

MM-707B / MM-709B

CONDENSER MICROPHONE

MIPRO[®] MIPRO Electronics Co., Ltd
 Headquarters : 814 Pel-Kang Road, Chiyai, 60096, Taiwan
 Tel : +886.5.238.0809 Fax : +886.5.238.0803
 www.mipro.com.tw mipro@mipro.com.tw

CE FC
 All rights reserved. MN 014/06
 Do not copy or forward without prior approvals MIPRO.
 Specifications and design subject to change without notice.