



## **MicW Audio**

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## **E418/E418-Pair**

Studio Microphone

## **User's Manual**

2008, *MicW* microphones

Product features and specifications are subject to change without notice.



[www.mic-w.com](http://www.mic-w.com)

## 8. SPECIFICATIONS:

MICROPHONE E418/E418-Pair	
Capsule diameter	7 mm
Polar pattern	Omni
Sensitivity ( $\pm 2$ dB)	10mv/Pa; -40 dB re. 1v/Pa
Frequency Response	20 Hz ~ 20kHz
Power Supply	48 V Phantom power
Total harmonic distortion (THD)	<1% up to 135 dB SPL peak
Thermal Noise	<26 dBA
Output impedance	<75 Ohm
Length	145mm
weight	135g
Connector	3-pin XLR

## 9. Contents in the case

- ✧ E418/E418-Pair/M418 microphone(s);
- ✧ Wind screen;
- ✧ User's manual..

## 1. INTRODUCTION

Welcome to use *MicW* series professional microphones!

*MicW* E418 has outstanding characteristics that make the microphone a valuable tool in the studio, measurement and on the stage.

## 2. SAFETY INSTRUCTION

It is important to read all safety precautions and operating instructions before attempting to operate the unit. Keep all safety precautions and operating instructions for future reference.

### **Warning:**

Condenser microphones are extremely moisture-sensitive. Never use your microphone in close proximity to water (e.g. bath tubs, wash basins, sinks, washing machines, pools, etc.). When doing voice recordings, always use the enclosed windscreen to safely protect the capsule from moisture.

Please don't touch the vibration parts especially the diaphragm behind the protection grid. Don't move the capsule when it is in operation. Take care not to drop your microphone as this can lead to severe damage. *MicW* assumes no liability for any damage caused by the user.

After each use, place it back into its protective casing. Then, lay the small bag containing the moisture-absorbing crystals on top of the microphone head.

## 3. POWER SUPPLY

Phantom power (+48 V) is required to operate your microphone. We assume no liability for damage caused to your E418 through defective phantom power. Before activating phantom power, mute your playback system and connect the E418 to the microphone input of your mixing console. After activating phantom power, the E418 requires several seconds to stabilize itself.

## 4. APPLICATIONS

The *MicW* E418 is a state-of-the-art stereo kit. Therefore, it is particularly well-suited for stereo recordings. Regardless of whether you are miking an entire ensemble or a single sound source (e.g. drums, piano or background vocals), this microphone lets you achieve outstanding spatial impressions in every recording session.

Of course, you can use *MicW* E418-pair that feature two matched E418 microphones as well. Each pair is guaranteed to the sensitivity match within 0.5 dB and phase match within 5° .

### 5. MICROPHONE INSTALLATION

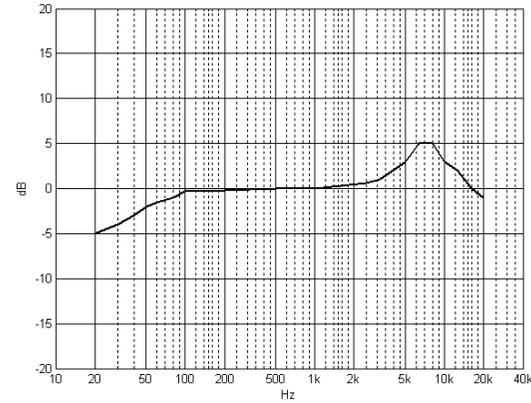
First screw a clamp onto the stand before attaching the microphone itself.

### 6. AUDIO CONNECTION

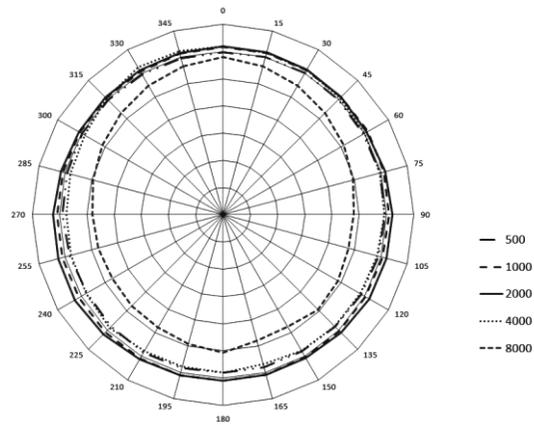
To connect the E418 to your equipment, use a balanced XLR microphone cable with the following pin assignment: Pin 1 = shielding, pin 2 = +, pin 3 = -. Since all contact points of the E418 are gold-plated, your microphone cable should feature gold-plated connectors, if possible.

### 7. DIRECTIONAL CHARACTERISTIC

The microphone features a capsule with Omni pickup pattern. Microphones with this polar pattern are most sensitive to sound coming from in each angle of the microphone.



E418/E418-Pair Frequency Response



Polar Pattern

