



### **MicW Audio**

a member of **BSWA Technology Ltd.**

Unit 1003, North Ring Center, No.18 Yumin Road, Xicheng District

Beijing 100029, China

Phone: +86-10-51285118

Fax: +86-10-8225 1626

Email: [sales@mic-w.com](mailto:sales@mic-w.com)

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



## **E216/E216-Pair/M216**

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 E216/E216-Pair/M216	
Capsule diameter	12.7 mm
Polar pattern	Omni
Sensitivity ( $\pm 2$ dB)	32mv/Pa; -30 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	<23 dBA
Output impedance	<75 Ohm
Length	155mm
weight	155g
Connector	3-pin XLR

## 9. Contents in the case

- ✧ E216/E216-Pair/M216 microphone(s);
- ✧ Wind screen;
- ✧ User's manual..

## 1. INTRODUCTION

Welcome to use *Mic2U* series professional microphones!

*Mic2U* E216 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. *Mic2U* 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 E216 through defective phantom power. Before activating phantom power, mute your playback system and connect the E216 to the microphone input of your mixing console. After activating phantom power, the E216 requires several seconds to stabilize itself.

## 4. APPLICATIONS

The *Mic2U* E216 is a state-of-the-art stereo kit. Therefore, it is particularly well-suited for stereo recordings. Regardless of whether you are milking 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* E216-pair that feature two matched E216 microphones as well. Each pair is guaranteed to the sensitivity match within 0.5 dB and phase match within 5° .

The *MicW* M216 is a measurement microphone. Its frequency response meets IEC61672 Class 2 requirements. Each M216 microphone is individually calibrated and aged at high temperature for long-term stability and reliability. It is good choice for use in measurements.

## 5. MICROPHONE INSTALLATION

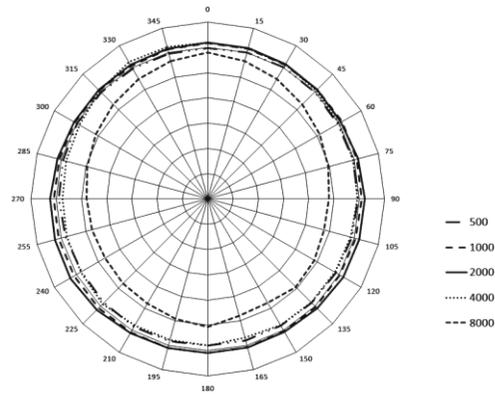
First screw a clamp onto the stand before attaching the microphone itself.

## 6. AUDIO CONNECTION

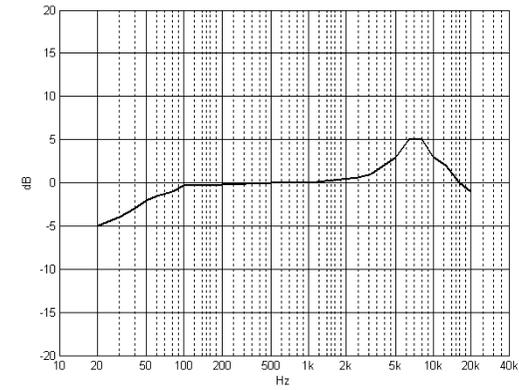
To connect the E216 to your equipment, use a balanced XLR microphone cable with the following pin assignment: Pin 1 = shielding, pin 2 = +, pin 3 = -. Since all contact points of the E216 are gold-plated, your microphone cable should feature gold-plated connectors, if possible.

## 7. Directional characteristic

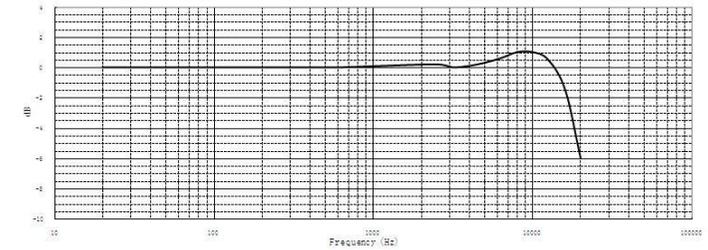
The microphone features a capsule with Omni pickup pattern. Microphones with this polar pattern are most sensitive to sound coming from in each angle of the microphone.



Polar Pattern



E216/E216-Pair Frequency Response



M216 Frequency Response