

MicW®

# User's Manual

# i kit

**i436kit/i456kit/i266kit**  
professional microphones

www.mic-w.com



**i436kit**

**Professional Class 2 Microphone**



**i456kit**

**Cardioid Recording Microphone**



**i266kit**

**Cardioid Broadcasting Microphone**

## 1. INTRODUCTION

Welcome to the MicW i series of professional microphones. MicW has been producing high quality microphones for test and measurement and studio recording for over 10 years. Our unique knowledge of diaphragm technology has enabled us to offer you very high quality products for audio applications.

The i series is designed specifically for the iPad, iPhone and iPod Touch, offering outstanding audio performance for measurement, recording and broadcasting. There are three models in i series. The i436 is an omni-directional and professional class 2 microphone, offering outstanding audio

performance for recording and sound measurements. It complies with the IEC61672 class 2 sound level meter standard. It can be used in professional applications for acoustic measurement and general recording. The i456 is a cardioid microphone for vocal recording, instrument

recording. The i266 is a cardioid microphone, more sensitive and has a larger diaphragm compared with i456, It is recommended for high quality sound recording, specially for broadcasting, live radio interviews and other live applications.

## 2. ACCESSORIES



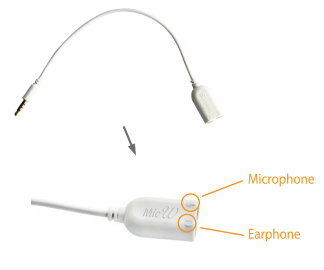
Windscreen



Clip



2m Extension cable



Split cable



Aluminum tube: for storage



Aluminum tube: on tripod



Aluminum tube: as holder



Windjammer: as optional item

## 3. SAFETY INSTRUCTION

The microphone is supplied with a pre-polarized capsule which is tested in a high temperature and high humidity environment for more than 24 hours so is suitable for extreme conditions. It is designed to operate from -20°C to 50°C and humidity up to 95%.

## 4. POWER SUPPLY

The i series does not require an additional battery for power.

## 5. APPLICATIONS

The i series can be used as a high quality alternative to the internal microphone on the iPad, iPhone and iPod Touch. Use for recording vocals, instruments, musical performances, interviews and meetings where you want to capture high quality sound.

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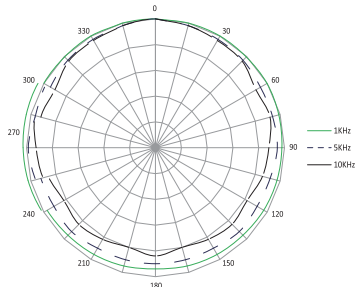


MicW microphones

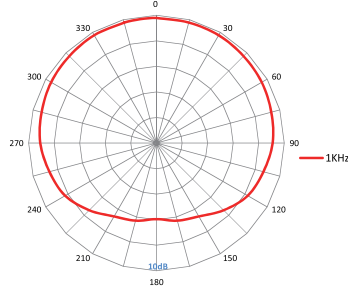
Product features and specifications are subject to change without notice.

## 6.DIRECTIONAL CHARACTERISTIC

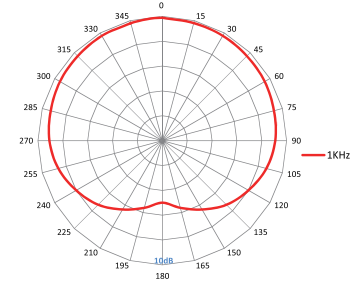
The typical polar pattern is given in the following chart.



Polar Pattern for i436



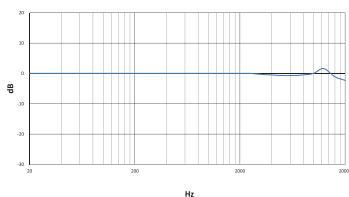
Polar Pattern for i456



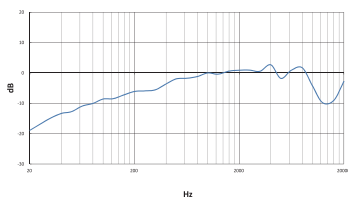
Polar Pattern for i266

## 7.FREQUENCY RESPONSE

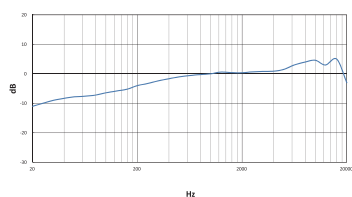
The typical frequency response is given in the following chart.



Typical Frequency Response of i436 at 100cm from the source



Typical Frequency Response of i456 at 20cm from the source



Typical Frequency Response of i266 at 20cm from the source

## 8.APPLICATIONS

Simply Plug the i series into your headphone jack socket of the iPad, iPhone and iPod Touch, to operate as shown in the example pictures below.



i436 with measurement software on iPad



i456 with recording software on iPad/iPhone



i266 with broadcasting software on iPhone

## 9.WARRANTY POLICY

MicW Audio warrants that its Products will be free from defects in material and workmanship for one (1) year from the date of purchase by the Original Purchaser.

## 10.SPECIFICATIONS

MICROPHONE i436	
Type	Electret Condenser
Capsule diameter	7.0mm(can be calibrated)
Principle of operation	Pressure
Polar Pattern	Omni-Directional
Sensitivity (±3 dB)	-44 dB (0dB=1V/pa,1kHz)
Frequency Response	20 Hz ~ 20 kHz
S/N ratio	More than 62dB
impedance	Less than 2.2k
Power Source	Plug-in power capability, Plug and play
Operating Temperature	-20 C~+50 C
Weight	8g
Connector	3.5mm 4-Pole headset interface

MICROPHONE i456	
Type	Electret Condenser
Capsule diameter	7.0mm
Principle of operation	Pressure Gradient
Polar Pattern	Cardioid
Sensitivity (±4 dB)	-50 dB (0dB=1V/pa,1kHz)
Frequency Response	20 Hz ~ 20kHz
S/N ratio	More than 55dB
Impedance	Less than 2.2k
Power Source	Plug-in power capability, Plug and play
Operating Temperature	-20 C~+50 C
Length	55mm
Weight	8g
Connector	3.5mm 4-Pole headset interface

MICROPHONE i266	
Type	Electret Condenser
Capsule diameter	12mm
Principle of operation	Pressure Gradient
Polar Pattern	Cardioid
Sensitivity (±4 dB)	-40 dB (0dB=1V/pa,1kHz)
Frequency Response	20 Hz ~ 20 kHz
S/N ratio	More than 55dB
Impedance	Less than 2.2k
Power Source	Plug-in power capability, Plug and play
Operating Temperature	-20 C~+50 C
Length	55mm
Weight	16g
Connector	3.5mm 4-Pole headset interface

## 11.CE MARKING



The MicW i series microphones conform with the relevant CE mark derivatives approved by the European commission.

## 12.PACKING LIST

i436 Kit/i456 Kit/i266 Kit

- Microphone
- Windscreen
- Clip
- 2m extension cable
- Split cable
- Aluminum tube
- User manual

i436 Kit

Sensitivity

Serial No : \_\_\_\_\_

Sensitivity : \_\_\_\_\_mV/Pa

tested by : \_\_\_\_\_

Tested under the standard conditions with reference to 1000Hz.

More information can be found at [www.mic-w.com](http://www.mic-w.com)