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Made for Apple



iPod



iPhone



iPad

# i-Series

MicW<sup>®</sup> | special  
microphones

Innovative microphone technology

## Setting new standards in mobile audio capture and room measurement



i-Series professional microphones for iPhone, iPad, iPod  
Touch and other mobile devices.



**i436**  
certified microphone for measurement  
and recording.



**i456**  
recording microphone for high level  
signals.



**i266**  
high sensitivity recording microphone for  
low level signals.



**i825 and i855**  
lavalier microphones for interview  
recording, HD video production, ENG and  
more.



**iShotgun**  
for interviews, ENG, podcasts and film/  
video production.



**iBoundry**  
for lectures, conferences, forum recording  
and dictation.

## i-Series

MicW's i-Series professional microphones are specifically designed for use with iOS devices like the iPad, iPhone, and iPod Touch. They can also be used with other mobile devices.

MicW has recently emerged as an industry leader in the development and manufacture of professional mini microphones. The i-Series offers outstanding performance in a range of audio measurement, recording, and broadcast applications.

## Main Features

**Professional:** Uniquely designed recording and measurement microphones in sturdy metal housings.

**Plug and Play:** No need for additional power, just plug a mic into the headphone socket and it's ready to perform.

**Available as a Class 2 measurement mic:** Convert your mobile device into an audio measurement tool.

**Superior EMI protection:** Specially designed to reduce Electro-Magnetic Interface (EMI) from mobile phones.

### Example Applications:

- Real-time SPL and FFT analysis. Use at concerts and other events, at home and in industrial measurement/recording.
- General voice or instrument recording. Use in interviews, conferences, meetings and rehearsals.
- High sensitivity audio recording. Use for ENG, broadcast and other dedicated audio capture.

# i436 certified microphone for measurement and recording.



## Professional Class 2 Microphone

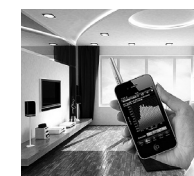
The i436 is a calibrated measurement microphone that complies with the IEC 61672 Class 2 sound level meter standard. The sensitivity and frequency response of each individual i436 microphone is calibrated at the factory before shipping. With the i436 and a dedicated App, an iPhone or iPad can be turned into a sound pressure level (SPL) meter, or a real-time analyzer (RTA) for time and frequency domain measurements.

The omnidirectional microphone offers outstanding performance in a small package. Durable and easily carried in the pocket, the i436 measures speech, instruments and other live sounds accurately and without distortion - all on a mobile device.



### Specifications

Microphone i436	
Type	Electret Condenser
Capsule Diameter	7.0mm (can be calibrated)
Principle of Operation	Pressure
Polar Pattern	Omnidirectional
Sensitivity(±3dB)	-44 dB (6.3mV/Pa)
Frequency Response	20Hz~20kHz
Maximum SPL	120dB
S/N Ratio	More than 62dB
Impedance	Less than 2.2kOhm
Power Source	Plug and Play
Operating Temperature	-20°C ~+50°C
Length	50mm
Weight	8g
Connector	3.5mm 4-Pole headset interface





i456 cardioid microphone  
for high level signals:  
music, concert, live,  
industrial and etc.



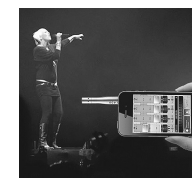
## Cardioid Recording Microphone

The i456 is a wide cardioid microphone for high level signals. Use it as a high quality, high performance alternative to the internal microphone on an iPad, iPhone, or iPod Touch. Ideal for vocal and acoustic instrument recording, music, concert, live, industrial, it is also rugged enough to be taken practically anywhere for capturing high quality sound.



### Specifications

Microphone i456	
Type	Electret Condenser
Capsule Diameter	7.0mm
Principle of Operation	Pressure Gradient
Polar Pattern	Cardioid
Sensitivity(±4dB)	-42dB(8.0mV/Pa)
Frequency Response	20 Hz~20kHz
Maximum SPL	115dB
S/N Ratio	More than 55dB
Impedance	Less than 2.2kOhm
Power Source	Plug and Play
Operating Temperature	-20°C ~+50°C
Length	55mm
Weight	8g
Connector	3.5mm 4-Pole headset interface





i266 high sensitivity recording microphone for low level signals.



## High Sensitivity Cardioid Microphone

The i266 is a high sensitivity cardioid microphone recommended for dedicated, high quality sound recording. Durable enough to withstand the rigors of an ENG life, the i266 microphone's warm clear sound makes it an excellent choice for broadcast, turning the iPhone into a genuine reporter's "tool of the trade". The i266 can also be used in conference rooms, as well as proving an excellent choice for vocal or live music capture.



### Specifications

Microphone i266	
Type	Electret Condenser
Capsule diameter	12mm
Principle of operation	Pressure Gradient
Polar Pattern	Cardioid
Sensitivity(±4dB)	-40 dB (10mV/Pa)
Frequency Response	20 Hz~20kHz
Maximum SPL	120dB
S/N ratio	More than 55dB
Impedance	Less than 2.2kOhm
Power Source	Plug and Play
Operating Temperature	-20°C ~+50°C
Length	55mm
Weight	16g
Connector	3.5mm 4-Pole headset interface





i825 and i855 lavalier microphones for interview recording, HD video production, ENG and more.

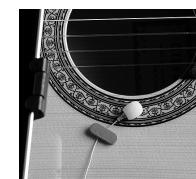
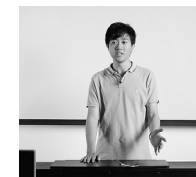
## Lavalier Microphones

MicW's omnidirectional i825 and cardioid i855 lavalier microphones are recommended for on air production and forum discussion. They are also durable enough for ENG use. The miniscule size of these microphones makes them highly suitable for television and video production.

### Specifications

Microphone i825	
Type	Electret Condenser
Capsule diameter	4.0mm
Principle of operation	Pressure
Polar Pattern	omnidirectional
Sensitivity( $\pm 4$ dB)	-45 dB (5.6mV/Pa)
Frequency Response	20 Hz~20kHz
Maximum SPL	129dB
S/N ratio	More than 65dB
Impedance	Less than 4.5kOhm
Power Source	Plug and Play
Operating Temperature	-17°C ~+60°C
Length	1.6m
Weight	5g
Connector	3.5mm 4-Pole headset interface

Microphone i855	
Type	Electret Condenser
Capsule diameter	4.0mm
Principle of operation	Pressure Gradient
Polar Pattern	Cardioid
Sensitivity( $\pm 4$ dB)	-49 dB (3.5mV/Pa)
Frequency Response	100Hz~10kHz
Maximum SPL	120dB
S/N ratio	More than 58dB
Impedance	Less than 2.5kOhm
Power Source	Plug and Play
Operating Temperature	-10°C ~+50°C
Length	1.6m
Weight	5g
Connector	3.5mm 4-Pole headset interface





# iShotgun® for interviews, ENG, podcasts and film/video production.

The iShotgun has been tested with the following devices:

- iPhone 3, 4, 4S and 5
- iPad 2, 3, 4 and mini
- iPod Touch
- Mac book
- Samsung Galaxy S1, 2, 3 & 4 series
- HTC Desire
- Canon 5D, 7D, 60D
- Sony Alpha 6 and 7 series
- Nikon D7000
- Panasonic X900M/X909/V707
- Sony CX250/CX570/CX730
- Canon HFD10
- Computers with Microphone Input



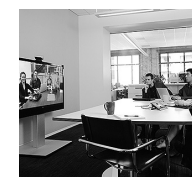
## Mini Shotgun Microphone Super Cardioid

The iShotgun is the new member of MicW's i-Series. The uniquely designed super cardioid shotgun mic is perfect for use with smartphones such as iPhones, as well as with tablets and DSLR cameras. The iShotgun's smart design, compact dimensions and low weight, combined with easy fixing, make it an ideal companion. Its super cardioid directional pattern helps eliminate unwanted background noise during recording. iShotgun is highly recommended for mobile journalists and audio professionals.



### Specifications

Microphone iShotgun	
Type	Electret Condenser
Diameter	8.0mm
Length	13.6cm
Principle of operation	Interference tube
Polar Pattern	Super Cardioid
Sensitivity(±3dB)	-42 dB (8mV/Pa)
Frequency Response	100 Hz~18kHz
Maximum SPL	115dB
S/N ratio	More than 65dB
Impedance	Less than 2.2kOhm
Power Source	Plug and Play
Operating Temperature	-20°C ~+50°C
Weight	20 g
Connector	3.5mm 4-Pole headset





iBoundary for lectures,  
conferences, forum  
recording and dictation.



## Boundary microphone

The iBoundary microphone has very high sensitivity with half-omni directional pickup. It is recommended for use in presentations, meetings, dictation and other applications where speech intelligibility is high on the agenda. It can also be used for recording via Skype or MSN video or capturing your musical idea's while traveling.



### Specifications

Microphone iBoundary	
Type	Electret Condenser
Capsule Diameter	7.0mm
Principle of operation	Pressure
Polar Pattern	Half Omni
Sensitivity(±4dB)	-35dB(17.8mV/Pa)
Frequency Response	20-20kHz
Maximum SPL	115dB
S/N ratio	More than 62dB
Impedance	Less than 2.2kOhm
Power Source	Plug and Play
Size	Ø40mm*9mm
Cable Length	95cm
Weight	70g



i-Series microphones are well complemented by an assortment of useful, high quality accessories. Wind noise in outdoor environments is reduced with optional windscreens. Adaptor cables allow for connection to laptop computers and enable audio to be monitored while being recorded through headphones. The unique pocket-sized aluminum carrying case/mount not only protects the i-Series microphone when not in use, but also allows it to be easily mounted on a mini tripod or microphone stand.



**CB011**

2-meter extension cable



**CB012**

3.5mm Y-adaptor to 3.5mm microphone input and headphone output jacks



**CB013**

PC / laptop adaptor cable



**CL013**

Collar or lapel clip for lavalier purposes



**CL018**

Collar Clip for i825, i855



**WS012**

Standard foam windscreen for i266



**WS013**

Standard foam windscreen for i436/i456



**WS018**

Windscreen for i825, i855



**WJ011**

Windjammer for i266 microphone for maximum reduction of wind noise in outdoor environments



**AC011**

Microphone carrying case and stand mount, a unique aluminum storage case with 3/8" thread protects the microphone when not in use and holds it when mounted on a microphone stand



**PI49**

2.5 Volt to 48 Volt phantom power preamp converter



**SA011**

Split adaptor for 3.5mm microphone input and headphone output jacks



**SA012**

T Split adaptor accommodating one microphone and one headset



**SA013**

Y Split adaptor for connecting two microphones



**TP011**

Tape for i825, i855



**AT020**

Attenuator, 20dB



**WS810**

Windscreen for iShotgun



**BM100**

1-meter mini boom



**PB013**

Shock and camera mount



**CB030S**

3-meter shielded extension cable



**CB002S**

0.2-meter shielded cable for camera



**PB031**

Black case



**i436/i456/i266 kit package includes:**

- Microphone
- Windscreen (WS013)
- Clip (CL013)
- 2m extension cable (CB011)
- Split cable (CB012)
- Tube (AC011)



**i825/i855 kit package includes:**

- Microphone
- Windscreen (WS018)
- Clip (CL018)
- Tape (TP011).
- Split adaptor (SA011)



**ACCESSORY SET**

SET1: CB011/CB012/CL013/WS012/WS013/AC011



SET2: CB011/CB012/CL013/WS012/WS013/WJ011/AC011



**iShotgun Kit**

- iShotgun microphone
- WS810 Windscreen
- BM100 Mini Boompole
- PP013 Shock & Camera Mount
- CB030S 3m Shielded Cable
- CB002S 0.2m Camera Cable
- SA012 T Connector
- SA011 Split Connector
- SA013 Y connector



**iBoundry**

- Microphone
- CB013 PC cable
- CB012 Split cable





# MicW i-Series Application Guide

	i436	i456	i266	i825	i855	iShotgun	iBoundary	Recommended APPs
<b>Directivities</b>								
<b>Music Recording</b>								
Instruments	•	•	•	•	•		•	
Vocal	•		•				•	
Piano			•				•	Garage Band
Drum			•					Fourtrack
Live Concert		•	•					
Stereo			2 •					GuitarJack
<b>Broadcasting</b>								
Live Interview			•	•	•	•	•	LUCI
Video Interview				•	•	•	•	Vericorder
ENG				•	•	•		VideoFX Live Quicklink
<b>Speech Recording</b>								
Conference							•	FiRe
Class Room							•	Hindenburg
Meetings							•	Audio Memos
Dictation			•	•	•		•	Dragon
Interview			•	•	•		•	LUCI
<b>Measurements</b>								
Real Time Analyzer	•							
Sound Level	•							DSP Mobile
Room Acoustics	•							SigScopePro
Frequency Analysis	•							Faber Acoustical
System Installaion	•							SPLnFFT
Noise Dosimeter				•				
<b>Other Applications</b>								
DSLR Cameras						•		Canon,Sony,Nikon
GoPro Cameras				•				Hero3
Skype				•	•		•	Skype
Karaoke		•	•					Karaoke HD
Hearing Aid				•				LouderTV; TiAu Hearing Aid
FaceTime				•	•		•	FaceTime
Portable PA	•	•	•	•	•			FiRe
Piano/Guitar Tuner	•						•	TuneLab; AccuTune

## Company profile

Renowned for its pure clean sound, quality craftsmanship, and elegant styling, MicW prides itself in designing and manufacturing high quality, high performance microphones for a wide range of audio measurement and recording applications. MicW microphones and accessories are a perfect choice when only the best will do for vocal, instrumental, broadcast, film and video recording.

MicW's product ranges include the E-Series entry level microphones, i-Series microphones for iOS and other portable devices, L-Series lavalier microphones, M-Series test measurement microphones, N-Series nickel diaphragm high performance microphones, and the T-Series titanium diaphragm large diameter microphones.

## Features

- Flat frequency response for pure sound without unwanted coloring
- Titanium, nickel, stainless steel and polymer composite capsule diaphragm designs for the best possible microphone frequency response
- Excellent high humidity performance
- Fast transient response, wide dynamic range, low noise floor with models that easy handle up to 160 dB SPL
- Quality assurance through ISO 9001 certification



## Heritage

MicW is a division of BSWA Technology Ltd., a measurement microphone company. BSWA was founded in 1998 as a joint venture between the Chinese Academy of Sciences and five sound engineers looking to market high quality, affordable measurement microphones. Today, BSWA microphones are widely used in aerospace, automotive and environmental noise measurement. The experience and expertise gained from designing and manufacturing measurement microphones has enabled BSWA to create MicW, a microphone brand primarily aimed at the pro audio and music markets.

Unique methods are used in the production of MicW's microphone capsules (the heart of any microphone), resulting in enhanced performance, increased reliability, greater sound definition and transparency. MicW capsule diaphragms are made from titanium, nickel, stainless steel or polymer composites, ensuring that the best material is always used for a specific design. Carefully selected quartz insulating material is also used in the microphone construction to guard against high temperatures and humidity. Each capsule is individually calibrated using the free field method in accordance with IEC 61094 measurement microphone standards, and "aged" in an environmental chamber for long-term stability.

## Quality Assurance

As a leader in the field of microphone technology, MicW invests heavily in product research and development. The company's main design campus and manufacturing facilities are located in Beijing, China, and include anechoic chambers, clean rooms, environmental rooms and production areas. MicW is committed to total quality management and is ISO 9001 certified, ensuring that every product meets stringent performance standards.

