



MicW i437L Professional Class 2 Microphone User Manual

[Home](#) » [MicW](#) » MicW i437L Professional Class 2 Microphone User Manual 

MicW®

i437L Professional Class 2 Microphone
User Manual



User's Manual
i437L Professional Class 2 Microphone vs.m.micwassio.cors

Contents

- [1 CALIBRATION REPORT](#)
- [2 INTRODUCTION](#)
- [3 SAFETY INSTRUCTION](#)
- [4 POWER SUPPLY](#)
- [5 APPLICATIONS](#)
- [6 DIRECTIVITY CHARACTERISTIC](#)
- [7 FREQUENCY RESPONSE](#)
- [8 MICROPHONE INSTALLATION](#)
- [9 WARRANTY POLICY](#)
- [10 CE MARKING](#)
- [11 SPECIFICATIONS](#)
- [12 PACKING LIST](#)
- [13 SOUND LEVEL METER APPLICATION](#)
- [14 Documents / Resources](#)
- [15 Related Posts](#)

CALIBRATION REPORT

Model No.: 437L

Serial No.:.....

Description: 114* Free Field Digital Microphone with Lightning Connector

Calibration Data

Sensitivity:.....

NoiseLab Correction:.....

Technician:.....

Date:.....

CALIBRATION ENVIRONMENT CONDITIONS

Temperature: 25 C

Humidity: 65%

Pressure: 101.3 lea

Notes:

1. The reference microphone for calibration is traceable from the National Institute of Metrology(NIM).
2. Calibration is performed In compliance with ISO 9001:2008.
3. The measurement uncertainty for sensitivity is $\pm 0.3\text{dB}$ (95% confidence level with a coverage factor of 2).
4. Frequency response is measured by a comparison method 'BS WA- III A001-0013'.
5. Sound level meter class 2 (IEC81872.3)compliance was certified with NoiseLab App by Scantek USA and NIM Lab.

INTRODUCTION

Welcome to the MicW i-Series professions microphones. MicW has been designing and manufacturing high-quality microphones for testing. measuring and studio recording for over 10 yews. The expertise in diaphragm technology allows MicW to provide professional products for audio applications.

SAFETY INSTRUCTION

The microphone comes with a pie-polarized capsule. which is tested in extreme temperatures and humid environments for more than 24 hours. It is designed to operate from -20C to 50 C and humidity up to 95%.

POWER SUPPLY

The i437L does not require additional battery power.

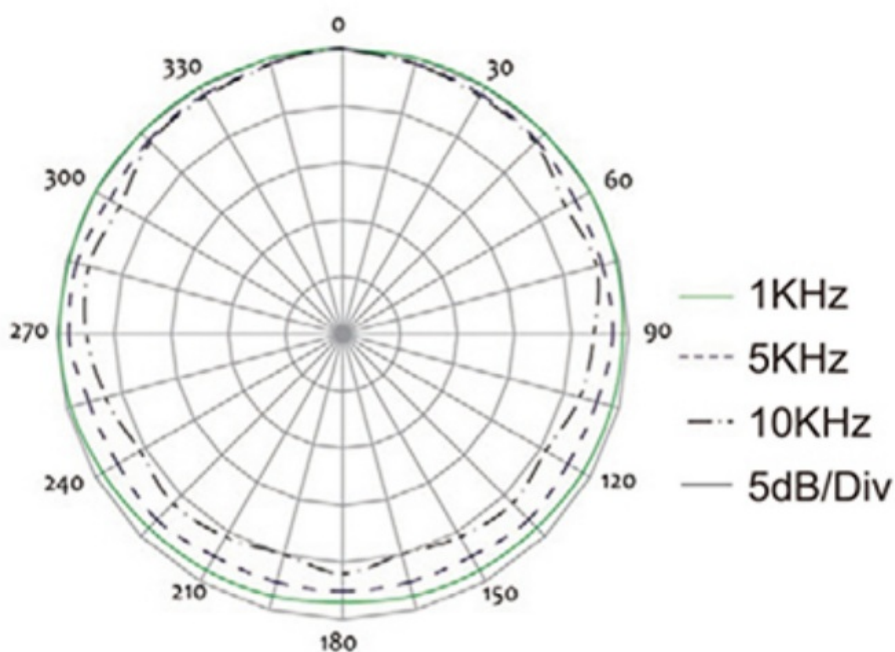


APPLICATIONS

The i437L is a high-quality alternative microphone for iPhone, Pad or Pod touch, which will significantly improve the recording quality for vocals, instruments, musical performances, interviews, and meetings. The i437L can turn your iPhone, iPad or iPod touch into a real-time analyzer or Class 2 sound level meter when used with professional Apps.

DIRECTIVITY CHARACTERISTIC

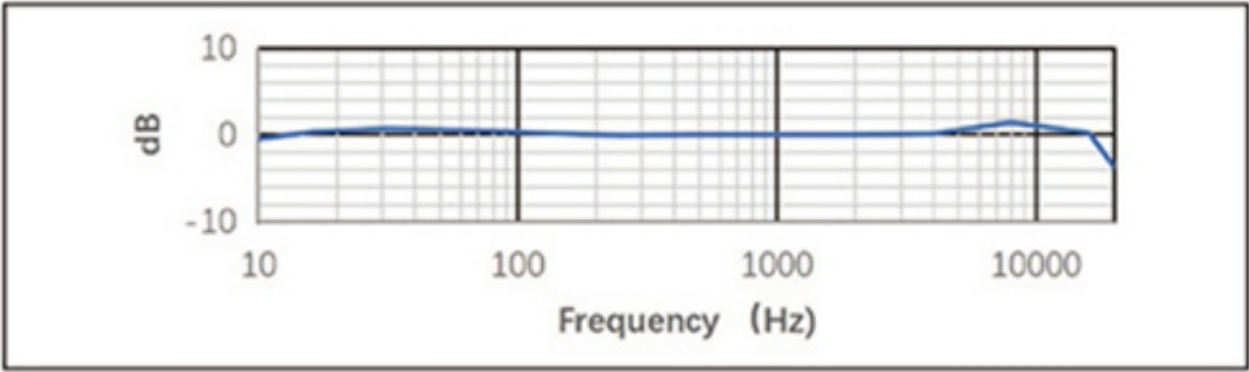
The i437L Is an Omni-directional microphone.



Polar Pattern

FREQUENCY RESPONSE

Typical Frequency Response 0 dB @1000 Hz)



Frequency INS FR's 1801 Frecuencylls) FRos (051 Frequency (1t0 Mos NM 18 0.3 250 4.1 4800 0.1 32 0.7 500 0.0 8030 IA 84 0.5 1000 0.0 18000 02 125 0.2 2000 0.0 20000 42

Frequency (HZ)FRes (dB)		Frequency HZ)FRes (dB)		Frequency HZ)FRes (dB)	
16	0.3	250	-0.1	4000	0.1
32	0.7	500	0.0	8000	1.4
64	0.5	1000	0.0	18000	0.2
125	0.2	2000	0.0	20000	-3.7

MICROPHONE INSTALLATION

Simply plug the i437L into the lighting connector of the iPhone, iPad, iPad mini, iPad Touch.



i437L matched with NoiseLab software on iPhone 7.

WARRANTY POLICY

MicW Audio warrants that its products will be free from defects in materials and workmanship for one (1) year from the date of purchase by the original purchaser.

CE MARKING

The MicW i437L microphones conform with the relevant CE mark directives approved by the European Commission.

SPECIFICATIONS

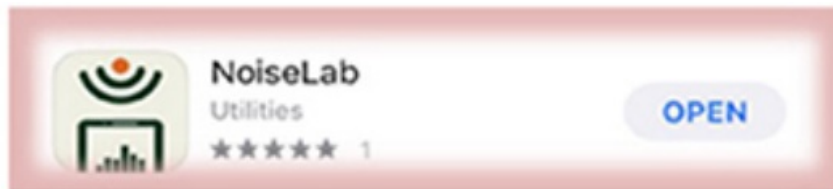
Microphone i437L Type Electret Condenser Capsule Diameter 7.00mm(can be calibrated) Principle of Operation Pressure Max SPL 125 dB Polar Pattern Omni-Directional Sensitivity(± 3 dB) -27.5dBFS(94dB SPL@1kHz) Frequency Response 20HZ-20kHz S/N Ration More than 62dB Power Source Plug and Play Operating Temperature -20 V —50V Weight 109 Connector Lightning Connector

PACKING LIST

- i437L microphone
- Windscreen
- User manual

SOUND LEVEL METER APPLICATION

The system of i437L microphone and NoiseLab App on iOS device meet the requirement and pass the certification of IEC 61672-3 Class 2 sound level meter.



Requirements:

- iOS version 10.0 or higher
- i437L microphone
- NoiseLab App

STEP 1: Search “NoiseLab” in the App store on your iOS device and install the app.

STEP 2: Plug i437L into the iPhone, iPad or iPad Touch, then launch NoiseLab

STEP 3: Go to the Calibration menu and change the Correction according to the CALIBRATION REPORT. Or calibrate the system with a standard microphone calibrator.

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MicW microphones

Product features and specifications are subject to change without notice

Documents / Resources

A small thumbnail image of the user manual cover for the MicW i437L Professional Class 2 Microphone. The cover shows the product name, a small image of the microphone, and some technical specifications.	<p>MicW i437L Professional Class 2 Microphone [pdf] User Manual i437L Professional Class 2 Microphone, i437L, Professional Class 2 Microphone</p>
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Manuals+.