

MicW[®]

User's Manual



i458C

Professional Class 2 Microphone

www.micwaudio.com

1. INTRODUCTION

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

CALIBRATION REPORT

Model No.: i458C Serial No.: _____

Description: 1/4" Free Field Digital Microphone
with Type-C Connector

Calibration Data

Sensitivity: _____ dBFS

Technician: _____ Date: _____
(yyyy/mm/dd)

2. SAFETY INSTRUCTION

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

3. POWER SUPPLY

The i458C does not require an additional battery power.



CALIBRATION ENVIRONMENT CONDITIONS

Temperature: 25 °C Humidity: 65 % Pressure: 101.3 kPa

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 ± 0.30 dB (95% confidence level with a coverage factor of 2).
4. Frequency response is measured by a comparison method "BSWA- III -RD01-0013".

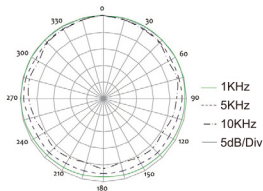
4. APPLICATIONS

The i458C is designed for Android devices with Type-C connector only. The i458C microphone will turn your Android devices into a professional recorder, making it a great choice for recording vocals, instruments, musical performances, interviews, and meeting.

The i458C can be calibrated by standard calibrator and allows professional sound engineers to use it with most sound level meter APP.

5. DIRECTIVITY CHARACTERISTIC

The i458C is an omni-directional microphone.



Polar Pattern

8. 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.

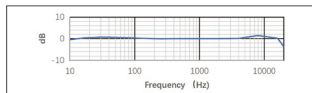
9. CE MARKING

The MicW i458C microphones conform with the relevant CE mark directives approved by the European Commission.



6. FREQUENCY RESPONSE

Typical Frequency Response (0 dB @ 1000 Hz)



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	16000	0.2
125	0.2	2000	0.0	20000	-3.7

10. SPECIFICATION

Microphone i458C	
Type	Electret Condenser
Capsule Diameter	7.00mm(can be calibrated)
Principle of Operation	Pressure
Max SPL	125 dB
Polar Pattern	Omni-Directional
Sensitivity(±3dB)	-27.5dBFS(94dB SPL@1kHz)
Frequency Response	20Hz~20kHz
S/N Ratio	More than 62dB
Power Source	Plug and Play
Operating Temperature	-20°C ~ 50°C
Weight	12g
Connector	Type C Connector

11. PACKING LIST

- i458C microphone
- Windscreen
- User manual

7. MICROPHONE INSTALLATION

Simply plug the i458C microphone into the Type C connector of Android devices.



MicW®

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: +86-10-82251626

Email: sales@mic-w.com

Web: www.micwaudio.com



MicW microphones

Product features and specifications are subject to change without notice