



D236 Digital Microphone User Manual

IEC61672 Class 2



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www.micwaudio.com.cn

Introduction

The D236 is a newly launched plug-and-play 1/2-inch digital microphone from the MicW series. It connects to computers, mobile devices, and more via USB Type-C, enabling driver-free operation for acoustic measurement and audio recording.

The D236 compliant with IEC61672 Class 2 standards, is ideal for professional acoustic measurements, mobile recording, portable noise monitoring, and more.

SPECIFICATIONS

Parameter	Specifications
Type	Electret Capacitor Microphone
Sound Field Type	Free Field
Directionality	Omnidirectional
Diameter	1/2-inch
Sensitivity	-29.5 ± 3.0 dBFS (94 dB SPL @ 1 kHz)
Noise Level	-100.3 dBFS(A)
Cartridge Sensitivity	-28.0 dB re 1V/Pa (39.8 mV/Pa)
Cartridge Polarization voltage	0V (Prepolarized)
Frequency Response	10 Hz~20 kHz (with correction data)
Self-generated Noise (Acoustical)	23.0 dBA
Maximum Sound Pressure Level (Acoustic)	120.0 dB (Typ. THD+N≤3%)
USB Audio	XMOS multicore processor, USB Audio Class 2 (UAC2), 16/24/32-bit streaming, Driverless for Mac OS / iOS / Linux / Android
Sampling Rate	48 kHz @ 24-bit
Operating Temperature Range	-20 °C ~ 50 °C
Operating Humidity Range	0 ~ 95 %RH
Dimensions	Ø 19 x 93 mm
Output Connector	USB-Type C
Weight	62.9 g
Body Material	Stainless steel

Packing List

NO	Item	Description
1	D236	Digital Microphone
2	User Manual	Instructions for using the D236
3	Rotary Tripod	Rotary Tripod
4	Microphone Chuck	Microphone Chuck
5	Windscreen	50mm windscreen
6	Data Cable	Type-C to USB, 2m
7	Paper Packaging Box	Includes protective sponge



How to Use

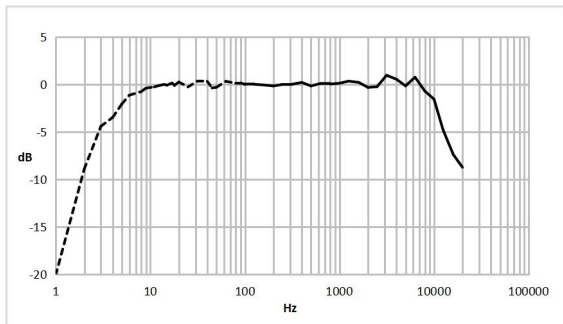
Connect one end of the included USB-C cable to a USB port on PC or mobile phone, and the other end to the Type-C port on the bottom of the D236.

When the indicator light on the bottom of the D236 illuminates and your computer or phone shows the external audio input device "D236" as connected, this indicates a successful connection.





Typical Free-field Frequency Response



Free-field Frequency Response Correction			
Hz	FR (dB)	Hz	FR (dB)
10 ~ 7500	0.0	12500	-4.81
8000	-0.70	13200	-5.37
8500	-1.64	14000	-5.21
9000	-2.54	15000	-5.91
9500	-2.40	16000	-7.39
10000	-1.56	17000	-7.76
10600	-2.99	18000	-7.50
11200	-3.62	19000	-8.20
11800	-3.56	20000	-8.73



Certificate of Calibration

Type	D236
Appearance	Passed
Serial Number	
Sensitivity (dBFS)	
NoiseLab APP Correction	

Calibration Conditions:

Temperature (°C)	
Humidity (%RH)	
Atmospheric Pressure (kPa)	
Tester	
Test Date	

Warranty

Warranty Coverage and Duration

1. The warranty period: 12 months from the date of purchase.
2. Free warranty for products that meet the warranty period and warranty scope.
3. The warranty is limited to the product failure caused by poor materials or manufacturing processes.
4. For maintenance services outside the warranty period or not within the scope of the warranty, the company will charge fees according to the standard.
5. The machine sent for repair must be packaged in the original packaging, or in a package with considerable protection, which is not covered by the warranty due to damage to the transportation package.

Warranty Exclusions

1. There is no warranty card or the contents of the warranty card have been altered.
2. Failure to maintain the device according to the user manual, resulting in damage to the parts.
3. The device is damaged by water or foreign objects.
4. Damage caused by improper use environment or force majeure.
5. Damage caused by non-maintenance by the MicW technical engineers.

CONTACT

For inquiries, technical support, or warranty claims, please contact us:

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Download
NoiseLab-Lite App

Precautions

! **Avoid exposing to High Temperatures:** Do not expose the microphone to high-temperature environments (e.g., direct sunlight or near heaters). The operating temperature range is -20°C ~ +50°C, and the storage temperature range is 0°C ~ +60°C. Exposure beyond these ranges may cause damage or degraded performance.

! **Avoid Humid Environments:** Do not use the microphone in humid environments (e.g., bathrooms or near kitchen sinks). Ensure the microphone surface is dry before use. The operating humidity range is 0% ~ 95% RH (non-condensing).

! **Avoid Condensation:** In high-humidity environments, ensure the microphone surface is dry before use.

! **Handle with Care:** Do not drop or impact the microphone, as this may damage its delicate internal components.

! **Do Not Disassemble:** Do not attempt to disassemble or repair the microphone yourself. If service is required, contact an authorized service center.

*The warranty does not cover products that are damaged due to negligent use, an incorrect power supply, or an incorrect connection to the equipment.

Warranty

Product model	
Purchaser's name	
Purchaser's address	
Date of purchase	
Purchaser phone	
Dealer name	
Dealer address	
Machine failure:	

*Please keep the warranty card in a safe place so that you can enjoy after-sales service