



Pyle PDMIC58 Professional Dynamic Microphone User Guide

[Home](#) » [Pyle](#) » Pyle PDMIC58 Professional Dynamic Microphone User Guide 

Contents

- [1 Pyle PDMIC58 Professional Dynamic Microphone](#)
- [2 Handling & Precautions](#)
- [3 Operation & Performance](#)
- [4 Microphone Connection](#)
- [5 Features](#)
- [6 Technical Specs](#)
- [7 FAQs](#)
- [8 Related Posts](#)

PYLE

Pyle PDMIC58 Professional Dynamic Microphone



Handling & Precautions

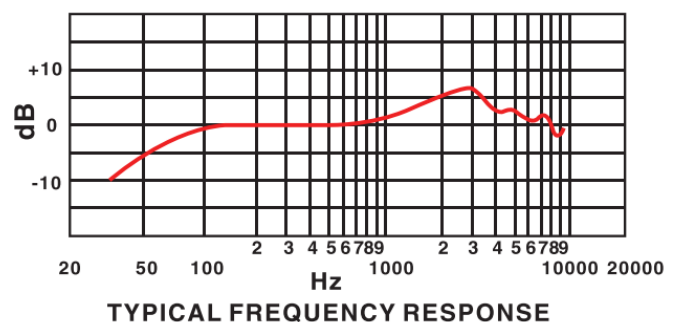
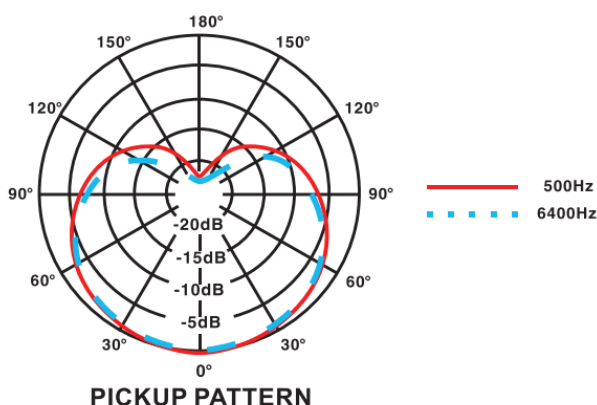
Covering and/or obstructing the microphone top mesh grill and internal mic receiver diaphragm element will result in less than optimal performance, causing audio distortion and interfering with the sound signal. To avoid such audio interferences try decreasing the audio source's volume, then position the microphone diaphragm so that it is not directly pointed or exposed to the external audio source; allow sufficient separation distance between the microphone and external audio source. The microphone's internal system contains sensitive audio equipment and electronic components, that do not drip, hit or expose to forceful impact. Do not store or operate the microphone in a high-temperature, or high humidity, environment.

Operation & Performance

The optimum placement distance of the microphone and vocals (distance from your mouth to the microphone grill) is from 5 to 10 centimeters. If the microphone placement is too close to your mouth, the sound and audio pickup performance may be unclear, outputting excessive bass and distortion in the audio tone.

Microphone Connection

Align the output connector with the slotted insert of the incoming connection cable — ensure the connector alignment is positioned properly and adequate pressure is used when inserting the connection (you may hear a “click” sound to ensure proper connection). To unplug the microphone, hold down the button tab, and ensure it is depressed, then pull the connection cable outward gently.



Features

- Built-in Acoustic Pop Filter
- Ultra-Wide Frequency Response
- High Signal Output for Vocals & Singing
- Rugged Construction & Steel Mesh Grill
- Integrated Low Noise Circuitry
- Includes: 15' ft. XLR to 1/4" Audio Connection Cable
- Perfect for Stage Performances or In-Studio Use



PDMIC58



PDMIC59

Technical Specs

- Mic Element/Type: Dynamic
- Pickup/Polar Pattern: Uni-Directional
- Mic Body Material: Zinc Alloy Metal
- Frequency Response: 50Hz-15KHz
- 600 Ohm Output Impedance (+/-)30%
- Microphone Sensitivity: -54dB (+/-)3db(0dB=1V/Pa @ 1KHz)



FAQs

Does the microphone come with a stand?

No. The microphone is a handheld microphone.

Does the microphone work on both Mac and PC?

Yes. The microphone is plug-and-play and will work on both Mac and PC.

Can I use this microphone with my iPhone or iPad?

No. The microphone is not compatible with iOS devices.

What are some facts about dynamic microphones?

Dynamic microphones turn sound waves into a voltage with the use of a magnet. They essentially work like speakers but in reverse. In a speaker, electricity vibrates the diaphragm, which creates sound waves. Dynamic microphones on the other hand use sound waves that vibrate the diaphragm and create electricity.

In what setting would a dynamic microphone be the best choice?

Dynamic microphones are best suited for live performances with a loud sound source. They can be a perfect fit for instruments like keyboards, drums, guitars, and amplifiers. If you are working in a studio setting that requires capturing more delicate and high-frequency sounds, you should go for condenser microphones.

What type of situation are dynamic mics suitable for?

Dynamic mics will often be used for scenarios like a live performance where there is a loud sound source. They are mainly considered best-fit for loud, live vocals. They are also good for brass instruments, keyboards, drums, and guitar amplifiers.

On which principle do dynamic microphones depend?

Dynamic microphones operate on an electromagnetic principle using a diaphragm that is attached to a coil of wire. In a dynamic microphone, sound waves hit a thin metallic diaphragm that is attached to a coil of wire. The diaphragm vibrates the coil in response to the sound wave.

How durable are dynamic microphones?

Dynamic microphones, containing less sophisticated electrical circuitry, are regarded as extremely rugged and will continue to operate dependably in some of the most extreme circumstances

Are dynamic microphones good for recording?

Dynamic mics are excellent for recording vocals – everything from podcasting to voiceovers to singing – and work especially well when you're recording multiple people in the same room. Like our similar article on the best condenser microphones, there are a variety of different models at different price points.

Does a dynamic mic need power?

The vast majority of dynamic microphones can manage without power but there are some exceptions. Basically, all condenser microphones need some kind of power supply.

Do dynamic mics pick up less noise?

Get a dynamic microphone – it picks up less echo and room noise than a condenser microphone.

Is a dynamic mic sensitive?

Some dynamic microphones might have sensitivity as low as -70 dBV. Some condenser microphone modules have integrated preamps so they have extra high sensitivity of -18 dBV. Most analog electret and MEMS microphones have sensitivity between -46 dBV and -35 dBV (5.0 mV/Pa to 17.8 mV/Pa).

Are dynamic mics good for live performances?

A dynamic microphone with a cardioid polar pattern is the best type of microphone needed in a live show for a singer and vocalist. This is closely followed by a cardioid condenser microphone for those who can stretch their budget.

What is a dynamic mic powered by?

A dynamic microphone operates like a speaker in reverse. The diaphragm is moved by changing sound pressure. This moves the coil, which causes current to flow as lines of flux from the magnet are cut. So, instead of putting electrical energy into the coil (as in a speaker) you get energy out of it.

Are dynamic microphones good for streaming?

Dynamic mics are an excellent option for streamers without a studio-style space to live stream from. Dynamic Microphones produce good audio quality but are not as sensitive as condenser mics. They're also more durable, robust, and affordable. Condenser Microphones are more sensitive and accurate than dynamic mics.

Download The PDF Link; [Pyle PDMIC58 Professional Dynamic Microphone pdf](#)