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> MAONO Dynamic Microphone-XLR USB Podcast Recording Mic: for Vocal Recording, Content Creation, Home Studio, Voiceover, with 192kHz/24bit, Noise Reduction, Mic Gain, Monitoring, Mute (PD300X)

MAONO PD300X

MAONO PD300X Dynamic Microphone User Manual

Model: PD300X | Brand: MAONO

1. INTRODUCTION

The MAONO PD300X Dynamic Microphone is a versatile audio solution designed for vocal recording, content creation, home studio setups, and voiceovers. It offers professional-grade sound quality with advanced features for clear and nuanced audio capture.

2. KEY FEATURES

2.1. Superior Audio Performance

Experience ultra-high-definition 192kHz/24bit sampling, surpassing traditional CD recording standards. This allows the PD300X to capture high-frequency sound details and reproduce exceptional audio quality for streaming, production, and recording.



Image: Overview of key features including 192kHz/24bit sampling rate, broadcast-grade dynamic pickup, USB & XLR dual interface, 5 layers of noise reduction, and 4 preset scenes.

Redefining the Podcast Microphone

Capture every detail, restore ultimate sound quality.



Image: Visual comparison highlighting the 192kHz/24bit sampling rate for superior sound quality compared to standard 48kHz/24bit.

2.2. Versatile Connectivity

The PD300X offers both USB and XLR connectivity options. In USB mode, simply plug in for customized recording effects. For professional setups, the XLR connection allows integration with mixing consoles, speakers, and other audio equipment.

Versatile USB & XLR Connections

Unlock endless possibilities

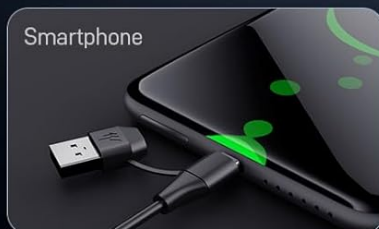


Image: Diagram illustrating versatile USB and XLR connections, showing compatibility with smartphones, computers, and audio interfaces.

2.3. Advanced Noise Reduction System

Equipped with a 5-level noise reduction system, including a unique shock-absorbing microphone diaphragm, one-button noise reduction mode, and a high-porosity foam filter to shield against plosive sounds. Internal circuitry and filters remove electronic noise for clear audio.

5 Layers of Noise Reduction



Image: Breakdown of the 5 layers of noise reduction, including software (Maono Link) and hardware components like high off-axis noise rejection, flocked pop filter foam, EMI shielding, and shock mount.

2.4. Intuitive Controls & Software

Features a 3-in-1 smart knob for microphone gain, headphone volume, and monitoring functions. A custom mute button provides quick audio cutoff and can activate noise reduction with a long press. The MAONO Link software offers a visual EQ adjustment interface, limiters, compressors, and high-pass filters for tailored sound.

Maono Link Software

The MAONO PD300X is equipped Parametric EQ to enhance your audio production. Enjoy a smoother sound, supported by a high sampling rate of 192kHz/24bit. While having the flexibility to adjust the finer details of your audio at any time, bringing your creations to life.



Image: Screenshot of the Maono Link software interface, demonstrating parametric EQ for audio enhancement and fine-tuning.

Boost Your Creative Efficiency

One-click access to 4 preset scenes

 Recording



Enhanced
dynamic detail



 Podcast

Warm, rich,
and captivating sound

 Gaming



Stable, low-noise
for smoother gameplay



 Streaming

Crystal-clear
audio

Image: Close-up of the microphone's 3-in-1 smart knob, detailing controls for mic gain, headphone volume, and monitor mix.

Achievement Lies in the Nuances



Image: Illustration of the multi-function mute button, showing short press for mute and long press for custom functions like noise reduction.

2.5. Preset Modes

Four preset modes (Podcast, Live Streaming, Recording, Gaming) allow effortless switching of settings to meet different needs, boosting creative efficiency.

3. SETUP GUIDE

3.1. Unboxing and Components

Carefully unbox your MAONO PD300X microphone. The package includes:

- USB/XLR Dynamic Microphone x1
- 5/8" to 3/8" Thread Adapter x1
- USB-C to USB-A&C Cable x1
- User Manual x1



Image: Contents of the MAONO PD300X package, including the microphone, cables, thread adapter, and user manual.

Video: MAONO PD300X USB XLR Dynamic Microphone Product Introduction (0:20)

Video: PD300X Series Dynamic Microphone Unboxing (0:29)

3.2. Connecting the Microphone

Choose your preferred connection method:

1. **USB Connection:** Connect the USB-C end of the provided cable to the microphone and the USB-A or USB-C end to your computer or smartphone.
2. **XLR Connection:** Connect an XLR cable (not included) to the XLR output on the microphone and to your audio interface or mixer.

Ensure all connections are secure.

3.3. Mounting the Microphone

The microphone comes with an integrated shock mount. Use the 5/8" to 3/8" thread adapter if needed to attach it to a

compatible microphone stand or boom arm (not included).

4. OPERATING INSTRUCTIONS

4.1. Powering On and Initial Setup

Once connected, the microphone should be recognized by your device. For advanced settings and preset modes, download and install the MAONO Link software from the official MAONO website.

4.2. Adjusting Microphone Gain

Rotate the 3-in-1 smart knob to adjust the microphone gain. The LED indicators around the knob will show the current gain level. Adjust until the audio input level is optimal, avoiding clipping (red indicators).

4.3. Headphone Monitoring

Plug your headphones into the 3.5mm jack on the microphone for zero-latency monitoring. Rotate the 3-in-1 smart knob to adjust headphone volume. Short press the knob to switch between mic monitoring and PC monitoring.

4.4. Mute Function and Noise Reduction

Press the mute button once for instant mute/unmute. Long press the mute button (for >2 seconds) to activate or deactivate the noise reduction feature.

4.5. Using MAONO Link Software

Launch the MAONO Link software to access advanced controls:

- **EQ Adjustment:** Fine-tune your sound using the visual equalizer.
- **Compressor/Limiter:** Apply dynamic processing for a more polished sound.
- **Noise Gate:** Adjust the noise gate to eliminate unwanted background noise when not speaking.
- **Preset Modes:** Select from Podcast, Live Streaming, Recording, or Gaming modes for optimized settings.

4.6. Recording and Streaming

Once settings are configured, begin recording or streaming using your preferred software (e.g., OBS, Audacity, GarageBand). The PD300X will be recognized as an audio input device.

5. MAINTENANCE

- Keep the microphone clean by wiping it with a soft, dry cloth.
- Avoid exposing the microphone to extreme temperatures, humidity, or direct sunlight.
- Store the microphone in a dry, dust-free environment when not in use.
- Regularly check cable connections for wear and tear.

6. TROUBLESHOOTING

6.1. No Sound Output

- Ensure the microphone is properly connected via USB or XLR.
- Check if the microphone is selected as the input device in your computer's sound settings or recording software.
- Verify that the microphone gain is not set too low.
- If using XLR, ensure your audio interface/mixer is powered on and configured correctly.

6.2. Background Noise/Humming

- Activate the noise reduction feature via the mute button or MAONO Link software.
- Ensure the microphone is positioned correctly, minimizing pickup of ambient noise.
- Check for potential electrical interference from other devices; try connecting to a different USB port or power outlet.
- Adjust the noise gate settings in the MAONO Link software.

6.3. Distorted Audio

- Reduce the microphone gain if the audio is clipping (red indicators).
- Ensure you are not too close to the microphone.
- Check compressor/limiter settings in MAONO Link software; reset to default if unsure.

7. SPECIFICATIONS

Feature	Detail
Brand	MAONO
Model Number	PD300X
Connectivity Technology	USB-C/XLR
Polar Pattern	Unidirectional
Frequency Range	40Hz-16kHz
Sampling Rate	192kHz/24bit
Signal-to-Noise Ratio	83 dB
Material	Premium Metal Flocked Foam Windshield
Item Weight	1.17 Pounds
Compatible Devices	Laptop, Audio Interface, Personal Computer, Audio Mixer, Smartphone

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official MAONO website or contact MAONO US customer service directly. Keep your purchase receipt for warranty claims.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question