FDUCE SL40

FDUCE SL40 USB/XLR Dynamic Microphone Instruction Manual

Model: SL40

1. INTRODUCTION

The FDUCE SL40 is a versatile USB/XLR dynamic microphone designed for high-quality audio capture in various applications, including podcasting, gaming, live streaming, and recording. It features advanced voice isolation technology and a durable all-metal construction.

2. PACKAGE CONTENTS

Ensure all items are present in the package:

- FDUCE SL40 Microphone (x1)
- Foam Windshield (x1)
- USB-C Cable (x1)
- XLR Cable (x1)
- USB-C to USB Adapter (x1)
- Instruction Manual (x1)

▌WHAT'S IN THE BOX

SL40 Mic*1   2m USB Audio Cable*1   2m XLR Cable*1

User Manual*1   Usb a to usb c adapter*1

Figure 2.1: Contents of the FDUCE SL40 Microphone package.
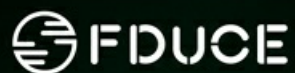
3. PRODUCT FEATURES

- **Professional Sound Quality:** Upgraded dynamic microphone core supports up to 96KHz/24bit audio, focusing on low-frequency details and clear vocal restoration.
- **Cardioid Pickup Pattern:** Designed to reduce environmental noise, ensuring clear vocals for podcasts, streaming, gaming, and recording.
- **Voice Isolation Technology:** Utilizes digital audio processing for equalization and mute functions to minimize background noise.
- **Dual Interface Output:** Supports both USB and XLR connections for versatile compatibility with professional interfaces and direct computer connection.
- **Integrated Controls:** Features a one-key mute button and, in USB mode, a long-press function to switch between microphone gain and headset volume control. Real-time monitoring is available.
- **All-Metal Construction:** Provides durability and a professional feel. Includes a silicone button for quiet operation.
- **Universal Mounting:** Supports 3/8" - 5/8" threaded stands and boom arms.

PROFESSIONAL AND CLEAR SOUND

The upgraded core of the dynamic microphone core supports up to 96KHz/24bit, focusing more on processing low-frequency details and restoring clear vocals to the greatest extent.

S/N Ratio :
95dB

Figure 3.1: The FDUCE SL40's internal core for professional sound capture.

FDUCE

About Us

FDUCE, first online sales in 2019, a technology, fashion, professional brand gather the youth with passion in music, pour their enthusiasm into the audio development.

The combination of professional experienced audio research team, fashionable design team and friendly responsible service team, cooperated with stable supply chain production, produce high quality, practical audio device.

Figure 3.3: USB plug-and-play functionality of the FDUCE SL40.

Figure 3.4: XLR compatibility for professional audio setups.

4. Setup Instructions

4.1 Mounting the Microphone

The FDUCE SL40 microphone is designed for easy mounting on various stands. It features a universal 3/8" - 5/8" threaded support.

1. Attach the microphone to a compatible desktop stand or boom arm by screwing it onto the threaded mount.

2. Adjust the angle of the microphone using the side knobs to achieve the desired position.
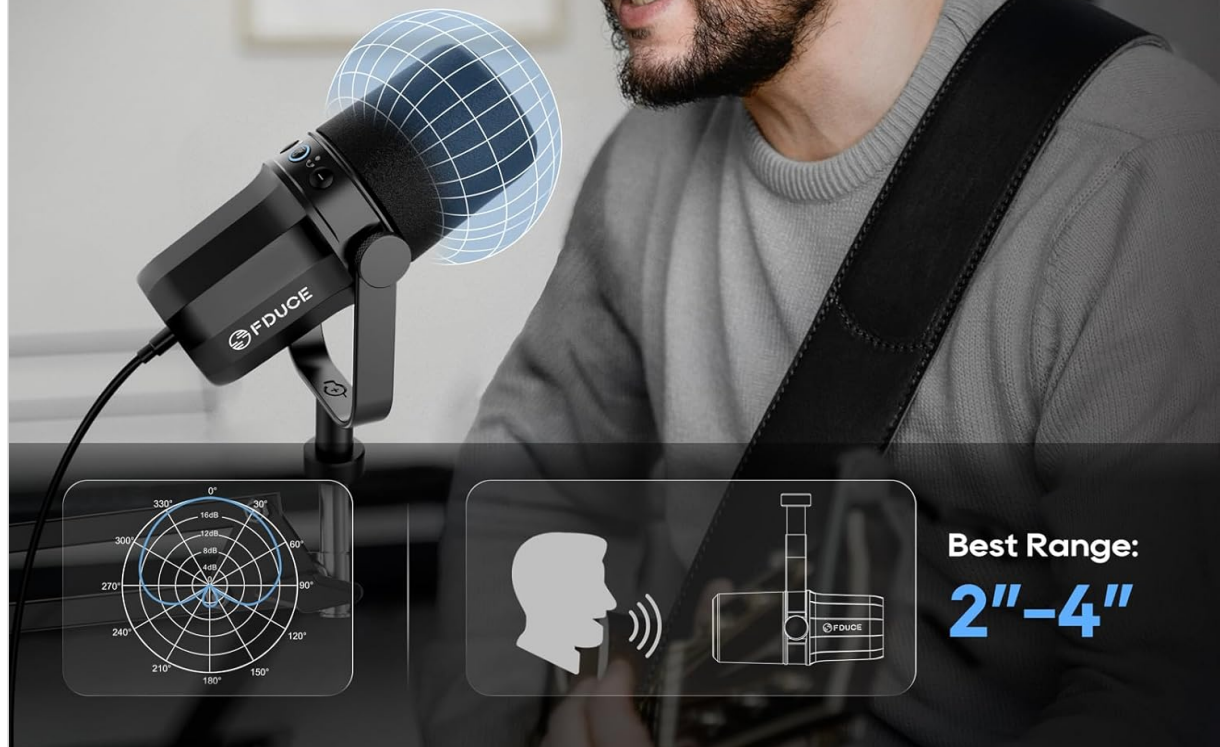
Figure 4.1: Universal screw compatibility for microphone mounting.

4.2 Connecting the Microphone

The FDUCE SL40 offers dual connectivity options:

- **USB Connection:** Use the provided USB-C cable and USB-C to USB adapter to connect the microphone directly to your computer (PC, laptop, PS4/PS5). This is a plug-and-play connection that does not require additional drivers.
- **XLR Connection:** Use the provided XLR cable to connect the microphone to a professional audio interface or mixer. This allows for advanced audio processing and integration into studio setups.

Your browser does not support the video tag.

Video 4.1: An overview of the FDUCE SL40 Microphone's features and connectivity options.

5. OPERATING INSTRUCTIONS

5.1 Microphone Controls

The FDUCE SL40 features intuitive controls for easy operation:

- **Mute Button:** A short press of the mute button will instantly mute or unmute the microphone.

- **Volume Control (USB Mode):** In USB mode, long-press the mute button to switch the functionality of the volume knob between microphone gain adjustment and headset volume control. This allows for real-time monitoring and adjustment of your audio.
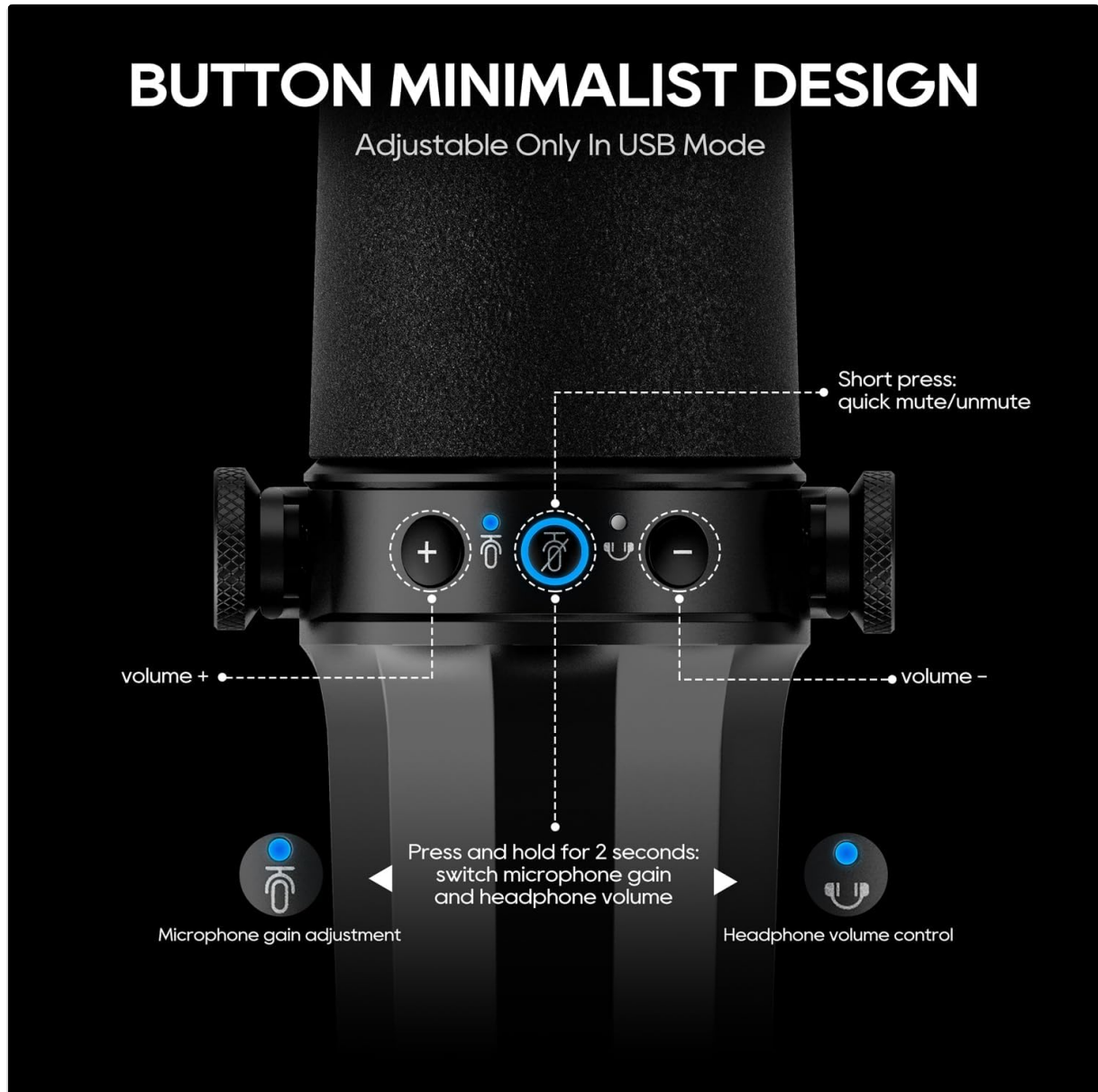

Figure 5.1: Integrated controls on the FDUCE SL40 microphone.

5.2 Optimal Placement

For best audio quality and to leverage the cardioid pickup pattern, position the microphone 2-4 inches from your mouth, directly facing the sound source.

Figure 5.2: Recommended microphone placement for optimal sound.

6. MAINTENANCE

To ensure the longevity and optimal performance of your FDUCE SL40 microphone, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the microphone body. Do not use liquid cleaners or solvents.
- **Storage:** Store the microphone in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Avoid dropping or subjecting the microphone to strong impacts, as this may damage internal components.
- **Windshield:** The foam windshield can be gently removed and cleaned with mild soap and water if necessary. Ensure it is completely dry before reattaching.

7. TROUBLESHOOTING

If you encounter issues with your FDUCE SL40 microphone, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No sound output (USB)	Microphone not properly connected or selected as input device.	Ensure USB cable is securely connected to both microphone and computer. Check computer's sound settings to ensure FDUCE SL40 is selected as the input device. Try a different USB port or cable.
No sound output (XLR)	XLR cable not properly connected, audio interface issues, or phantom power not enabled.	Ensure XLR cable is securely connected to both microphone and audio interface/mixer. Verify that phantom power (+48V) is enabled on your audio interface/mixer (if required by your setup). Check audio interface/mixer settings and connections.
Low volume or distorted sound	Incorrect gain settings, microphone too far from source, or environmental noise.	Adjust microphone gain using the knob (in USB mode) or on your audio interface/mixer (XLR mode). Position the microphone 2-4 inches from the sound source. Ensure the cardioid pickup pattern is facing the sound source. Minimize background noise in your recording environment.
Mute button not working	Temporary software glitch or button malfunction.	Disconnect and reconnect the microphone. Restart your computer or audio device.

8. Specifications

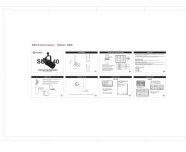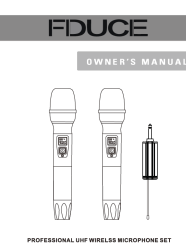| Feature	Detail
Model Name	SL40
Brand	FDUCE
Connectivity Technology	USB, XLR
Connector Type	USB Type-C, XLR
Polar Pattern	Unidirectional (Cardioid)
Microphone Form Factor	Mini
Material	Metal
Item Weight	0.46 Kilograms (1.01 pounds)
Product Dimensions (L x W x H)	2.56 x 2.56 x 6.1 inches
Frequency Response	14 KHz (Up to 96KHz/24bit digital audio processing)

Feature	Detail
Signal-to-Noise Ratio	95 dB
Impedance	600 Ohms
Power Source	Corded Electric
Compatible Devices	Headphone, PC, Laptop, PS4/PS5, Audio Interfaces, Mixers

9. WARRANTY AND SUPPORT

For warranty information, technical support, or any inquiries regarding your FDUCE SL40 microphone, please refer to the official FDUCE website or contact their customer service directly.
You can also visit the FDUCE Store on Amazon for additional product information and support resources.

Related Documents - SL40

	FDUCE SL40 Podcast Microphone User Manual This document provides instructions and specifications for the FDUCE SL40 Podcast Microphone, covering connection via USB and XLR, indicator light functions, volume control, and computer setup for Windows and macOS.
	FDUCE D-60 Professional UHF Wireless Microphone Set Owner's Manual Owner's manual for the FDUCE D-60 Professional UHF Wireless Microphone Set, detailing setup, operation, system parameters, and FCC compliance. Includes component descriptions and operational guidance.
	FDUCE W-1911 Professional UHF Wireless Microphone Set Owner's Manual Owner's manual and operation guide for the FDUCE W-1911 Professional UHF Wireless Microphone Set, detailing package contents, product features, setup instructions, troubleshooting, system parameters, and warranty information.