

FEATURES

PROFESSIONAL QUALITY

- Crystal clear vocals, instruments, and more will take your recordings to the next level
- Legendary Onyx mic preamp circuitry provides crystal clear sound and ultra-low noise

5 SELECTABLE POLAR PATTERNS

- Stereo
- Cardioid
- Bi-directional (Figure 8)
- Super-cardioid
- Omni

USB-C CONNECTIVITY

- Onboard USB interface plugs directly into your computer for fast, easy recording
- Class compliant connection, no driver needed

ONBOARD HEADPHONE MONITORING

- Headphone output with independent volume control offers a convenient monitoring solution

ONBOARD GAIN CONTROL AND MUTE

- Optimize the microphone's output for your computer and/or DAW
- Mute button allows you to switch off the mic while still hearing your computer's output

RUGGED CONSTRUCTION

- Built-like-a-tank™ reliability ensure consistent performance for years to come

YOUR NEW CONTENT CREATION GO-TO

- Engineered for recording music, podcasts, live streams, and online content creation

INCLUDED SOFTWARE

- Pro Tools® | First and Waveform™ OEM professional software and plugin packages included
- The Musician Collection for ProTools | First includes 23 plugins like BBD Delay, Eleven Lite, 304E EQ, and 304C Compressor
- The DAW Essentials™ Bundle for Waveform OEM includes 16 powerful plugins like Equaliser, Compressor, Reverber8, and Limiter

BIT RATE / SAMPLE RATE: 16-BIT / 48 KHZ

INCLUDED ACCESSORIES

- Mic stand
- USB-C cable

INTRODUCTION

The EleMent Series Carbon Premium USB Condenser Microphone delivers professional studio quality and versatility for content creators, gamers, musicians, and beyond.

Featuring 5 selectable polar patterns, Carbon can be optimized for vocals, rooms, stereo, two person interviews, and more.

Onboard controls for gain, mute, and headphone volume make it easy to dial in your sound and control your monitoring.

Get recording fast with included Pro Tools® | First and Waveform™ professional software.

Also, the included stand makes it easy to capture great recordings anywhere.

Get out there and be heard with the Carbon Premium Condenser Microphone.

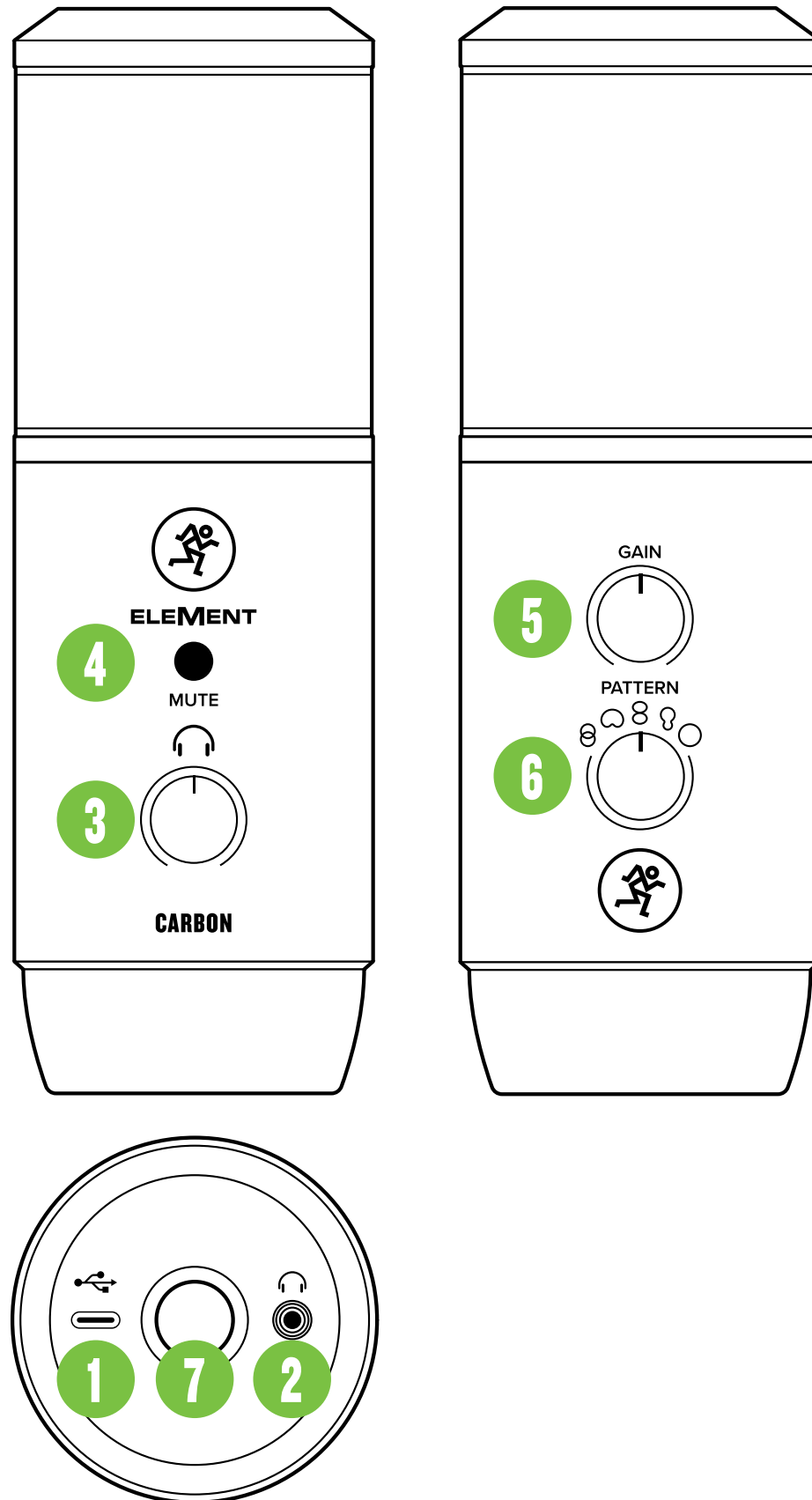
SYSTEM REQUIREMENTS

PC

WINDOWS XP PRO, XP HOME, VISTA, 7, 8, 10
USB 1.1 / 2.0 (64 MB RAM MINIMUM)

MAC

MAC OSX (10.11 OR HIGHER)
USB 1.1 / 2.0 (64 MB RAM MINIMUM)



1. USB-C Port Connect the USB-C side of the included USB cable to the microphone and the USB-A side to the computer's USB port.

2. Phones Jack

This 1/8" connector supplies the output to stereo headphones. The phones volume is controlled with the phones knob located on the front of the mic.

3. Phones Knob

This knob is used to adjust the volume at the phones output from off to max. Make sure that this knob is fully off [counter-clockwise] before beginning.

4. Mute Switch

The mute switch does just what it sounds like it might do. It mutes the mic signal! A red LED located just inside the mic will illuminate when engaged.

NOTE: The mute switch mutes only the mic input. Any signal coming IN from the computer will still be heard through the headphones regardless of the state of the mute switch.

5. Gain Knob

The gain knob adjusts the input sensitivity of the microphone, allowing signals from the outside world to be adjusted at optimal levels.

6. Pattern Knob

Polar patterns illustrate how sensitive a microphone is to sound received via different angles from the central axis. Rotate the knob to the desired polar pattern.

Stereo: Sound is picked up from the left and right sides of the microphone.

Applications – Field recordings, filming, instruments.

Cardioid: The front of the microphone is the most sensitive, while sound from the surrounding area remains isolated.

Applications – Podcasts, voiceovers, vocals, instruments.

Bi-directional (figure 8): Sound is picked up from the front and rear of the microphone, but not the sides.

Applications – Interviews, vocal duets, instruments.

Super-cardioid: Similar to cardioid, but with a narrower pickup, isolating the surrounding sound even more. Additionally, there is some pickup in the rear of the mic.

Applications – Close mic'ing instruments, filming.

Omni-directional: Sound is picked up equally from every direction, not needing to be aimed directly at the sound source.

Applications – Conference calls / meetings, field recordings, symphonies.

7. Standard Microphone Stand Mount

If you prefer to use the microphone on a standard microphone stand, carefully remove it from the included desk stand and hand-tighten to a standard thread count stand mount until snug.

GETTING STARTED

1. Read and understand the Important Safety Instructions on page 3.
2. Turn down all knobs.
3. Disengage all switches.
4. Connect the USB-C side of the included USB cable to the microphone and the USB-A side to the computer's USB port.
NOTE: Do not use a USB hub, keyboard's USB port, etc. Plug directly into an open USB port on the computer.
5. Connect headphones to the headphone jack on the bottom of the mic.
6. Computer setup instructions [plug-and-play, no drivers required!]:
Mac: System Preferences > Sound > Input (and Output) > USB Microphone
PC: Control Panel > Hardware and Sound > Sound > Playback (and Recording) > USB Microphone (make default).
Make sure the input and output levels of the computer are un-muted and up.
7. While playing music from your computer, slowly rotate the phones knob clockwise. This will confirm that playback goes through the microphone's headphone jack.

- NOTE:** Your ears are important to us! Be careful of permanent hearing damage. Lower the volume on your device. Even intermediate levels may be painfully loud. Always turn the volume all the way down before connecting the headphones or doing anything new that may affect the headphone volume. Then turn it up slowly as you listen carefully.
8. Open up your favorite DAW and start a new session.
 9. While speaking into the mic, disengage the mute switch and slowly rotate the gain knob clockwise until the input level meters on the DAW bounce between green and yellow.
NOTE: The mute switch mutes only the mic input. Any signal coming IN from the computer will still be heard through the headphones regardless of the state of the mute switch.
NOTE: This is a side address mic and works best when speaking into the side of the mic, not the top.
 10. While most DAWs work (relatively) the same, the path to recording may be different. As such, refer to your DAW's manual on how to open new sessions, create tracks, select the Carbon mic, arm tracks and the best part... recording! Have fun!

Technical Specifications	CARBON
Element	14 mm condenser capsule
Polar Pattern	Stereo, Cardioid, Figure-8, Super-Cardioid, Omni
Frequency Response	20 Hz – 20 kHz
Sensitivity	–37 dB ±3 dB (0 dB = 1 V/Pa @ 1 kHz)
Max Input SPL	126 dB (@ 1 kHz 1% THD)
Sample Rate	16-bit / 48 kHz
Signal-to-Noise Ratio	100 dB
Output Power (RMS)	130 mW
Size (H × W)	11.3" × 3.8" 287 × 97 mm
Weight	2.0 lb • 0.91 kg
	All specifications subject to change

NEED HELP WITH THE MICROPHONE?

- Visit www.mackie.com and click Support to find: FAQs, manuals, and addendums.
- Telephone 1-800-898-3211 to speak with one of our splendid technical support chaps (Monday through Friday, normal business hours, Pacific Time).

