

# BOYA

**Vibrant RGB Noise Canceling  
USB Microphone  
RGB 炫彩降噪桌面麦系列  
BOYA CastMic G40**

User Manual  
用户手册

## Safety Instructions

Please read this manual carefully before using, and strictly operate and store it in accordance with the instructions. Please save the manual for future reference. If you need further assistance than the user manual, please consult your retailer for help or email us at: [sales@boya-mic.com](mailto:sales@boya-mic.com)

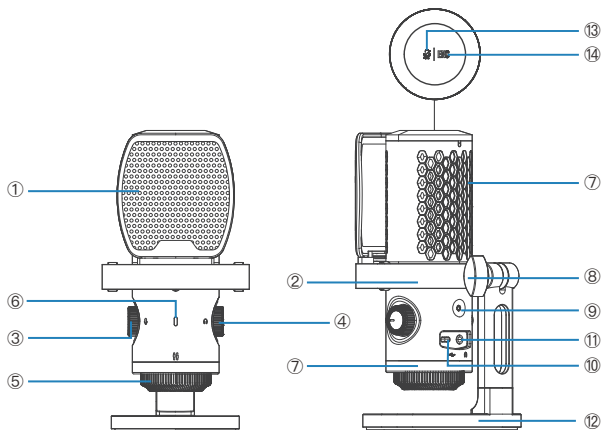
## Warnings

1. Do not use the microphone underwater or expose it to rain. Please store it in a cool, dry place.
2. Use and store the microphone at a normal temperature. Do not frequently move it between hot and cold environments. Please keep it away from heat sources such as heaters, ovens.
3. When using and storing, please keep away from dust and moisture.
4. Avoid harsh impacts and collisions on the microphone.
5. Do not position the microphone close to the speakers to prevent audio feedback.
6. For the best pick-up pattern, do not hold your hand against the microphone.




## Product Overview

BOYA CastMic G40 is a condenser gaming microphone that combines high-quality audio recording with dynamic RGB lighting effects. It features a built-in sound card, ENC noise cancellation, and DSP control. Featuring USB connectivity, it can be used with smartphones, tablets, or computers for audio recording, making it an ideal choice for gaming voice chat, live streaming, content creation and other scenarios.

# Product Overview



- ① Pop Filter
- ② Shock Mount
- ③ Gain Control Knob
- ④ Headphone Volume Knob
- ⑤ Monitor Mix Control Knob
- ⑥ Indicator Light

Indicator	Status
	Successfully connected to a computer, tablet, or smartphone
	Mute enabled
	Noise cancellation enabled

## ⑦ RGB light

Indicator	Status
Orange / Green / Cyan / Blue / Lime Green / Gradient / Breathing Gradient / Rainbow / Seven-Color Cycle / Real-Time Audio Wave	Light Mode Switching
Light ring on	Light on

## ⑧ Tightening Knob

## ⑨ RGB Lighting Effect Switch

RGB Switch: Tap the touch area

RGB On/Off: Press and hold the touch area for 2 seconds

## ⑩ USB-C Port

## ⑪ 3.5 mm Headphone Jack

## ⑫ Round Base

## ⑬ Mute Button

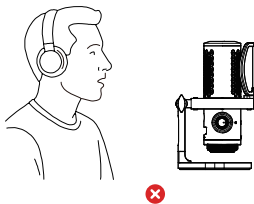
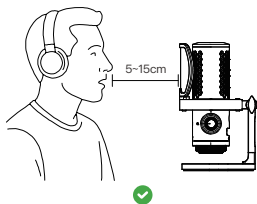
Tap the touch area to enable or disable mute

## ⑭ ENC Button

Press and hold for 2 seconds to enable or disable noise cancellation

## Pickup Pattern and Placement

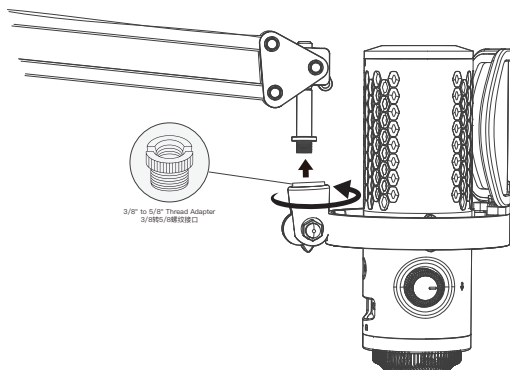
The BOYA CastMic G40 is a supercardioid directional microphone that captures sound directly in front while reducing noise from the sides and rear. For optimal audio quality, ensure the front of the microphone is facing you and maintain a distance of about two fist-widths (approximately 5–15 cm) from your mouth.



# Getting Started

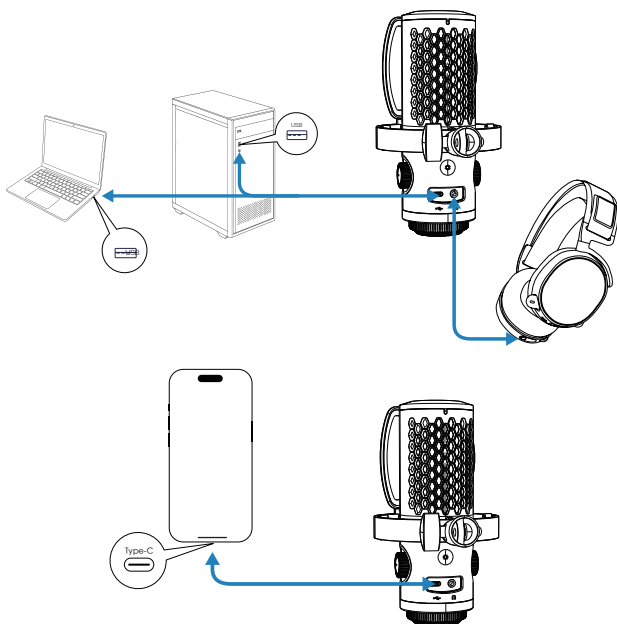
## Desktop Stand or Boom Arm Installation

Mount the microphone onto the boom arm as shown in the picture according to the product package. (No mounting is required for the desktop version.)



## USB-C Connection

Use the USB-C to USB-A/C cable to connect the USB-C port of CastMic G40 to your smartphone, tablet, or computer.



## Monitoring Audio

After connecting the CastMic G40 via USB, you can monitor your recording simply by plugging your headphone into the 3.5mm jack on the back of the microphone and adjusting the volume to your preference.

You can also send any audio from your computer or mobile device to this headphone output by selecting “BOYA CastMic G40” as the audio playback/output device in the system settings.



## BOYA Central Operation Guide

- Windows 10 and later
- mac OS 10.15 and later
- iOS 16 and later
- Android 12.0 and later

## In the Box

### BOYA CastMic G40

G40 microphone x 1

Pop Filter x 1

Desktop Stand x 1

USB-C to USB-C / USB-A

Data Cable (2m) x1

### BOYA CastMic G40B

G40 Microphone x 1

Pop Filter x 1

Boom Arm x 1

USB-C to USB-C / USB-A

Data Cable (2 m) x 1

Mounting Adapter x 1

3/8" to 5/8" Thread Adapter x 1

## Specifications

Maximum Load	Condenser Microphone
Horizontal Reach	Supercardioid
Sampling Rates	24-bit/192 kHz,16-bit/192 kHz, 24-bit/48 kHz,16-bit/48 kHz
Frequency Response	20 Hz-20 kHz
Signal-to-Noise Ratio	≥85dB
Sensitivity	-46dB±3dB
Maximum SPL	≥125 dB SPL
Port	USB-C (Digital Output) 3.5 mm Headphone Jack
Dimensions (L x W x H)	205x124x100mm
Weight	440g
Mounting Thread Size	5/8"、3/8"



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