

BOYALINK 3

**AI-Powered Button-Sized
Wireless Microphone**



GUIDELINE

- Overview
- Highlights
- Explore
- Packing List
- About BOYA



Meet BOYA Intelligence.

Overview

BOYALINK 3, the next evolution in button-sized wireless microphones — powered by true AI. With deep neural networks (DNNs) trained on 700,000+ noise samples, it precisely identifies and suppresses ambient noise while preserving the natural tone of speech. Unlike regular ENC systems, BOYALINK 3 eliminates a wider range of noise with superior accuracy. Compact yet powerful, it's built for creators who demand pristine audio in any recording situation.



True AI Noise Cancellation
Up to 40 dB



85 dB SNR
HiFi Sound



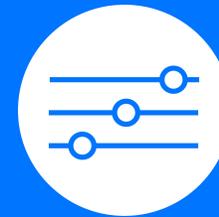
Limiter & Auto Gain



Scale up to 4 Receivers
Power Bigger Setups



Button-Sized Mic
Dustproof Design



EQ Tuning
Custom Sound

Highlights

- A **deep neural networks (DNNs)** chip enables up to **-40 dB noise cancellation** for crystal-clear voice
- **48 kHz / 24-bit** recording with **85 dB SNR** delivers Hi-Fi sound with exceptional clarity
- **AGC, limiter** and **safety track** balance audio and prevent distortion
- **9 g button-sized** mic with a metal dustproof grille, discreet on camera
- Supports **4 receivers for up to 8 devices recording** simultaneously



BOYA

Take A Closer Look



Explore the Full Story

Noise Cancellation

Meet BOYA Intelligence



BOYA Intelligence

With a built-in AI chip powered by deep neural networks (DNNs), BOYALINK 3 delivers noise cancellation you never thought possible. Trained on over 700,000 noise samples and 20,000 hours of deep learning, it separates voice from noise in milliseconds. In noisy environments like sudden honks or crashing waves, activate strong mode for up to -40 dB suppression to capture only your voice; in quieter settings, switch to light mode for -15 dB, reducing white noise while preserving natural ambience.

Trained on

700,000

noise samples

Refined

20,000

hours of deep learning

Up to

-40 dB

of cancellation depth

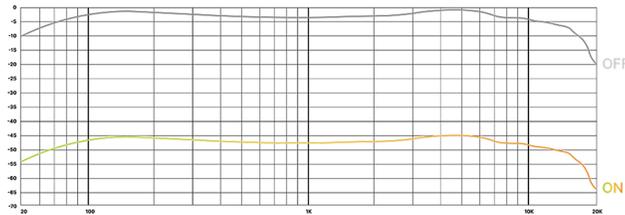
More than a mic. It's a **new move.**

Noise Cancellation Evolution

2025 – Future

3rd Gen

AI-Powered Noise Cancellation (AINC)



Cancellation Depth

-21 dB to -40 dB

How It Works

Uses deep learning models like DNN, trained on massive noise samples, to separate voice from noise with high precision.

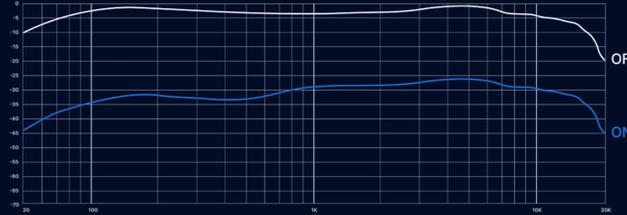
Limitation

High computational cost and complex model design.

2020 - Now

2nd Gen

Environmental Noise Cancellation (ENC)



Cancellation Depth

-2 dB to -15 dB

How It Works

Builds on the 1st gen with adjustable noise cancellation levels.

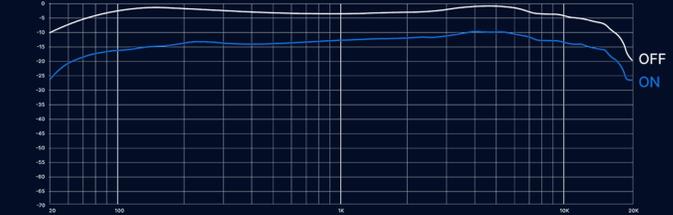
Limitation

Limited to common noise types; deeper cancellation may affect vocal clarity.

2010 - Now

1st Gen

DSP-Based* Noise Cancellation



Cancellation Depth

-2 dB to -10 dB

How It Works

Applies adaptive filters to suppress background noise.

Limitation

Poor response to transient noises.

* Digital Signal Processing (DSP).

Audio Quality

Hi-Fi Sound, Live the Moment

A 6 mm premium condenser mic, 48 kHz / 24-bit pro recording, and a custom acoustic chamber achieve over 90 dB SNR for speeches so pristine, it's like 4K dolby vision, clear and detailed.

48KHZ 24-bit
95dB SNR



20KHZ-20KHZ
115dB SPL

* 75 Hz / 150Hz low-cut filters minimize rumble, wind, and AC noise.

Safety

Triple Distortion Protection, Always Perfect

No manual adjustments needed — auto gain control dynamically balances volume in real time, adapting to distance and background noise for crystal-clear sound. A built-in limiter keeps levels safe, preventing distortion and clipping. With the safety track enabled, a -12dB backup recording ensures clean audio even if the main track peaks or is lost. No second takes needed.



* 8 GB onboard storage, 15 hrs (24-bit) / 10 hrs (32-bit) recording.

Expansion

Scale up to 4 Receivers, Power Bigger Setups

BOYALINK 3 marks a breakthrough in expansion, supporting up to 4 receivers recording at once. With USB-C, Lightning, and 3.5 mm TRS, it captures audio on up to 8 devices simultaneously — perfect for multi-device live streaming. You can even trigger phone camera recording remotely from the transmitter for greater creative control.



Design

Mini Revolution, Dustproof Crafted

Engineered with a sleek button-shaped transmitter, weighing just 9 g for featherlight comfort. The refined metal mesh top shields against dust and particles, while the receiver features an elegant status bar with tri-color LED indicators (connection status, noise cancellation, volume level) for instant visual feedback.

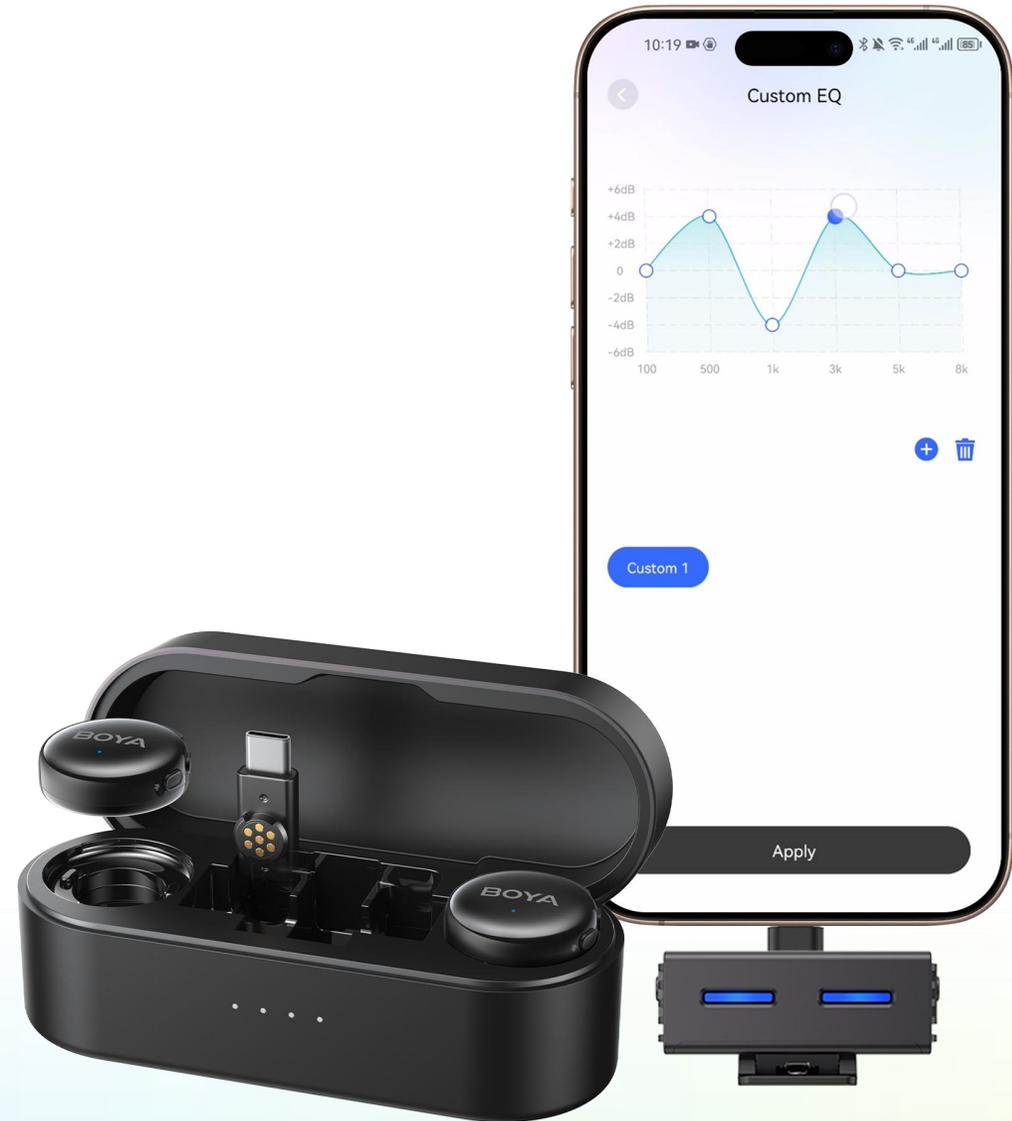


* Data sourced from BOYA Sound Labs. Battery life: 9 hrs (NC + onboard recording off) / 6 hrs (NC + onboard recording on). Actual performance may vary by environments.

Tailored Tone

Tone Tuning, Customize Your Sound

Customize your audio profile with EQ Tuning. Boost mid/high frequencies for crystal-clear vocals or reduce low-end resonance to eliminate muddiness. Perfect for live streams, performances, or creative sessions — shape unique voice effects by amplifying or suppressing specific frequencies.



Battery Life

All Day Power, Zero Interruptions

BOYALINK 3 offers a **6-hour** standalone battery life* per charge, which extends to **30 hours** with the compact charging case. The receiver supports continuous charging during use, ensuring nonstop operation for long time streaming.

* Data sourced from BOYA Sound Labs. Actual performance may vary by environments.



Transmission

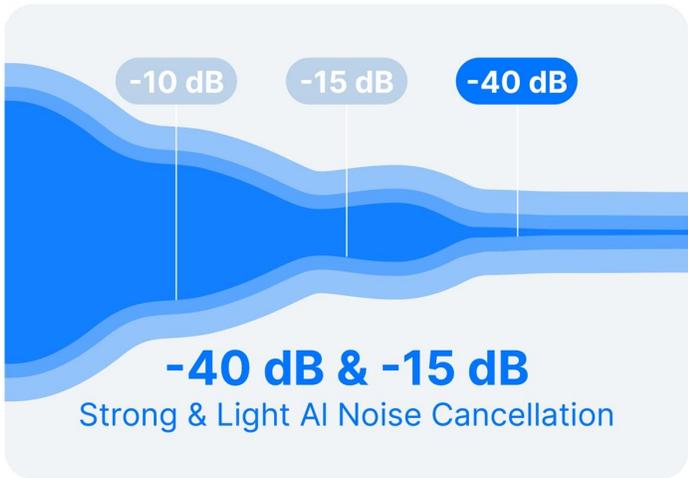
Live Monitoring, Perfect Every Moment

Integrated 3.5 mm port enables real-time audio monitoring. Fine-tune voice clarity, adjust mic positioning, or catch subtle details on the fly — minimizing post-production edits and delivering studio-grade results effortlessly.





BOYA Intelligence
True AI Noise Cancellation




BOYALINK 3
AI-Powered Button-Sized Wireless Microphone



Scale up to 4 Receivers
Built for Bigger Setups



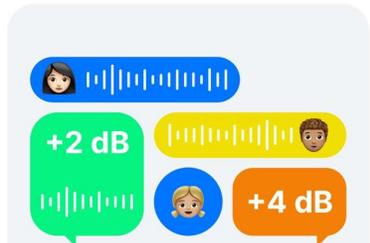
48 kHz 24-bit
115 dB SPL
≥ 85 dB SNR
20 Hz - 20 kHz



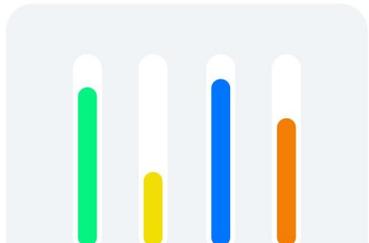
700000+
Noise Samples



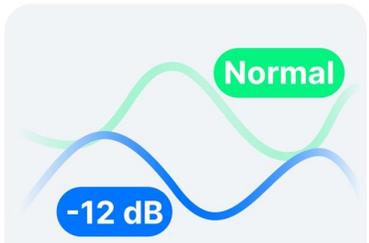
20000+
Hours of Learning



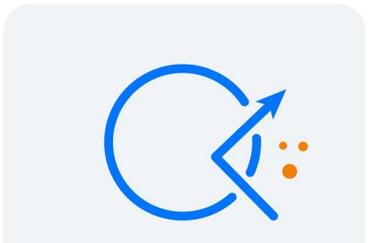
Tone Tuning



Limiter & Auto Gain



Safety Track



Dustproof

Comparison

Brand	BOYA	BOYA	DJI	Hollyland	Hollyland
Product	LINK 3	LINK 2	M I	2	S
Price	\$120	\$99	\$169	\$139	\$149
Launch Date	May-2025	Dec-2024	Dec-2024	Oct-2023	Dec-2024
Built-in Mic	6 mm Condenser Mic	6 mm Condenser Mic	6 mm Condenser Mic	6 mm Condenser Mic	6 mm Condenser Mic
Signal-to-Noise Ratio	85 dB	85 dB	-	70 dB	70 dB
Sample Rate / Bit Depth	48 kHz 24-bit	48 kHz 24-bit	48 kHz 24-bit	48 kHz 24-bit	48 kHz 24-bit
Onboard REC Storage / Time	No	No	No	No	8 GB / 14 hours
Noise Cancellation	AI Noise Cancellation	ENC	ENC	ENC	ENC
Noise Cancellation Depth	-40 dB (Strong) & -15 dB (Light)	-15 dB	-15 dB	-15 dB	-15 dB
Connect to Multiple RXs	Connect to 4 RXs	No	No	No	No
Mic In	No	No	No	No	No
Frequency Response	20 Hz - 20 kHz	20 Hz - 20 kHz	20 Hz - 20 kHz	20 Hz - 20 kHz	20 Hz - 20 kHz
Max SPL	115 dB	120 dB	120 dB	115 dB	128 dB
AGC	Yes	No	No	No	No
Limiter	Yes	No	Yes	No	No
Transmission Range	300 m	300 m	400 m	300 m	250 m
Real-Time Monitoring	Yes	No	No	No	No
Output Mode	Mono / Stereo / Safety Track	Mono / Stereo	Mono / Stereo / Safety Track	Mono / Stereo	Mono / Stereo / Safety Track
Battery Life	TX: 6 hours RX: 6 hours	TX: 10 hours RX: 6 hours	TX: 11.5 hours RX: 10.5 hours	TX: 10 hours RX: 9 hours	TX: 9 hours RX: 8.5 hours
Audio Output	3.5 mm + USB-C + Lightning	3.5 mm + USB-C + Lightning	3.5 mm + USB-C + Lightning	3.5 mm + USB-C + Lightning	3.5 mm + USB-C + Lightning
TX Weight	9 g	13 g	10 g	9 g	7 g

Packing List



Transmitter
× 2



Receiver
× 1



Charging Case
× 1



Magnet
× 2



Magnetic Clip
× 2



USB-C Adapter
× 1



Lightening Adapter
× 1



3.5 mm TRS to TRS
Cable × 1



USB-C to C
Cable × 1



Fur Windshield
× 2



Carrying Pouch
× 1

BOYALINK 3

01

Packing List



Transmitter
x 2



Receiver
x 1



Charging Case
x 1



Magnet
x 2



Magnetic Clip
x 2



USB-C Adapter
x 1



3.5 mm TRS to TRS
Cable x 1



USB-A to C
Cable x 1



Fur Windshield
x 2



Carrying Pouch
x 1

BOYALINK 3

02

Packing List



Transmitter
x 2



Receiver
x 1



Magnet
x 2



Magnetic Clip
x 2



Fur Windshield
x 2



USB-C Adapter
x 1



Lightening Adapter
x 1



Magnetic Charging
Cable x 2



3.5 mm TRS to TRS
Cable x 1



USB-A to C
Cable x 1



Carrying Pouch
x 1

BOYALINK 3

03

Packing List



Transmitter
x 1



Receiver
x 1



Magnet
x 1



Magnetic Clip
x 1



Fur Windshield
x 1



USB-C Adapter
x 1



Lightening Adapter
x 1



Magnetic Charging
Cable x 1



3.5 mm TRS to TRS
Cable x 1



USB-A to C
Cable x 1



Carrying Pouch
x 1

BOYALINK 3

04

Introducing BOYA

Inspired To Be Innovative

Established in 2012, BOYA brand, founded by three visionaries, crafts innovative products tailored for content creators. Upholding principles of user experience, innovation, and excellence, BOYA introduces unique audio products globally, reaching **150+ countries**, connecting with **30M+ creators**, and backed by **400+ innovations** and **10+ design awards**. Our journey of creativity continues, saluting top players who share creativity in life.

Let's walk together toward the brighter world of sound.

BOYA STORY
2012-2025

Experienced in Exhibitions

BOYA as a prominent player in the global market, actively participating in significant exhibition events and maintaining a leading position in its field.



INTEGRATE ME SHOW

NAB SHOW

ELECTROLAR SHOW

BROADCAST ASIA

Worth-Knowing About BOYA



1

MUSE Design Awards
Gold Winner



2

IF Design Awards



5

Red Dot Design Awards



1

Golden Pin Design Award

MUSE Design Awards 2023
Gold Winner BOYAMIC



2021 Golden Point Design
Award BY-WM3



2023 IF Design Award
OMIC



2023 IF Design Award BY-
WM3



2022 redden Design Award
BY-X3



2023 Reddot Design
Award Blobby Pro



2023 redden Design Award
Omic



2022 redden Design Award
Blobby



2023 redden Design Award
BY-PM740



Inspired to be innovative.