



Erika / Erika AI Wireless Multi Microphone + Erika AI Application Audio/Video Enhancement for Online Events Specifications

General System Specifications:

Components	Wireless Microphones (1-20) (worn by participants, or positioned on table top), Wireless Receiver (attached to computer via USB cable), carrying case to elevate Receiver, Erika AI Application
Other Components (not included)	External Camera(s) (UHD or HD), attached to computer via HDMI->USB Converter (1 to 4 Cameras) (Max 2 UHD Cameras) (Erika AI only), PC for hosting Online Event
Wireless Transmission type	Proprietary 2.4 GHz
Frequency/channel selection	Adaptive frequency hopping (automatic)
Wireless coexistence	Designed to coexist with WiFi and Bluetooth
Wireless range (line of sight)	20 – 300’ (6 – 90 m), user configurable
Time to connect	Typically under 1 second, fully automatic
Audio sampling	16KHz, 16-bit
Audio frequency range	50 Hz to 8 KHz
Volume control	ALC (Automatic Level Control) with audio limiter
Dynamic Switching	Switches to the current speaker (1 active speaker at a time)
Spotlight	A visual cue to identify the current active mic, 1-second white led at active mic
Encryption	By design, employs proprietary transmission
Firmware Updates	Over USB, using the Erika AI Application

Erika AI Application (PC only)

Video Enhancement	When used with an External Camera: Create Extract Windows for participant close-ups with motion tracking, and auto-switching (Video+Audio) to the current speaker
Status Info	Battery level of each mic, indication of the current active mic, mute/unmute status



Erika / Erika AI Wireless Multi Microphone + Erika AI Application Audio/Video Enhancement for Online Events Specifications

Controls	Individual mic mute, mic-lock, firmware updates
Interfaces	With Online meeting/streaming software (Zoom, Teams, etc) as Erika AI Virtual Camera
Min PC Requirements (1-2 Cameras):	Intel Gen-12 Processor, 16 GB DDR5 Dual Channel RAM, GPU Nvidia RTX 3050 (Erika AI only)
Min PC Requirements (3-4 Cameras):	Intel Gen-12, 16 GB DDR5 Dual Channel RAM, GPU Nvidia RTX 3060 (Erika AI only)

Erika Wireless Microphone (1-20 Microphones to 1 Receiver)

Form factor	All-in-one: mic + transmitter + battery
Usage	Wearable (vertically), or placed on table top
Wearable	Attached to clothing with Neodymium magnet. May be incompatible with body-implant devices, such as pacemakers & ICDs
Table Top	Attach magnet to edge of table, place Microphone on magnet and position horizontally (sideways up) while in use, position face-down or face-up to mute/sleep
Mic polar pattern	Omnidirectional
Mic technology	Low-noise digital MEMS
Mic dynamic range	91 dB
External mic support	None (built-in high-quality mic)
Battery type	Built-in Lithium-Polymer
Battery capacity	25 hours, typical
Charge time	2.5 hours (overcharge protected)
Charge Port	USB-C (a USB-C to USB-A cable is included)
Waterproof	No, but can be sanitized with a disinfectant wipe
Dimensions	1.5 x 0.8 x 0.4" (38 x 21 x 10 mm)
Weight	0.5 oz (16 g), including magnet

Erika / Erika AI Wireless USB Receiver

Audio output	USB Audio (Type C connector)
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Form factor	Self-contained, no battery, USB powered
Dimensions	1.5 x 0.8 x 0.3" (38 x 21 x 8 mm)
Weight	0.2 oz (5 g)
Interfaces	With Online meeting/streaming software (Zoom, Teams, etc) as Erika Wireless Microphone

Country of Origin

Design	USA
Manufacture	USA

Regulatory	FCC, CE, ROHS, UN38.3
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Warranty	1 year
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