



Aspen Microphone – AM01

Aspen Receiver – AR01



User Guide

Important - Safety & Compliance

Read this section carefully before using the microphone.
Save for future reference.

Do not attempt to disassemble or modify the electronics.
Use only approved charging accessories.

Keep out of reach of children.

If damaged, discontinue use and contact support.

Introduction

Bluetooth LE Audio – superior sound quality

The unique audio solution technology from Emendion guarantees an impressive and crystal-clear audio, allowing you to speak in two directions for effective participation in virtual meetings. The sound is transmitted clearly and powerfully to all devices thanks four hypersensitive microphone with 360° audio pick-up capability.



Emendion AB hereby declares that this device is in conformity with all the essential requirements and other relevant provisions of Directive 1999/5/EC.

Please visit **www.emendion.com/doc** to read the declaration in its entirety.

Content of the box

Aspen microphone – AM01

Aspen receiver – AR01

Clothing clip

Box

Quick guide

Before first use

Please charge the microphone before use

LED lights

When the button is pressed, the microphone is turned on. During the boot up the LED lights orange. The LED then turns red, indicating that a radio channel is opened to the receiver but the an audio channel is muted. Pressing the button will unmute the microphone and the audio will be sent to the receiver.

Broadcasting Mode

Sends audio to AR-01 or other receivers simultaneously.
No pairing needed — listeners can join the broadcast.

Activation:

1. Power on the microphone by short pressing the button
2. Connect the receiver to phone/PC
3. Listeners scan and join “Aspen Microphone” broadcast.
4. The microphone can be turned off by long-pressing the button

Getting Started (Quick Setup)

Fully charge the microphone.
Clip onto clothing with microphone side unobstructed.
Broadcast: Listeners join the stream.
Begin speaking or recording.

Use Cases (Typical Applications)

Broadcasting: lectures, presentations, guided tours, events.

Maintenance & Care

Store in a dry place
Avoid impacts or bending
Use only recommended chargers
Clean with a dry cloth
Keep firmware/software updated.

Troubleshooting & FAQs

See [HTTPS://www.emendion.com/FAQ](https://www.emendion.com/FAQ)

Warranty & Support)

For warranty terms, support, and firmware updates, visit Emendion's website. Have serial number and proof of purchase available.

Technical Specifications

Dimensions:	28x20x11 mm
Weight:	5g
Acoustic principle:	4 combined mems microphones
Polar pattern:	Omnidirectional
Frequency range:	20-24000 Hz
Maximum SPL:	122 dBSPL
Sampling frequency:	48 kHz
Noise level:	15 dB(A)
Power battery:	Inbuilt Li-po battery re-chargeable via USB
Battery life:	up to 5h
Broadcast range:	20 m
Transmission type:	Bluetooth LE, USB-C
Pairing:	NFC
Firmware upgrade:	USB-C, Bluetooth
Codec BLE Audio:	LC3
Modes:	Line level, mic level
Operating modes:	USB, BLE
Bitrate BLE Audio:	124 kbps (LC3 max)
Bit depth BLE Audio:	16 bit (LC3 max dynamic range)
Bit depth USB:	24 bit
Latency BLE:	22.5ms (min)
Operation Temp:	-20 .. 50 (°C)



FCC Caution.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.