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SMART SoundLift voice amplification solution



Overview

The SMART SoundLift wireless microphone-based voice amplification solution can be installed on compatible SMART Board interactive displays to amplify a teacher's voice in learning environments, reducing vocal strain for teachers and assisting students absorb and process information faster and easier.

The SMART SoundLift system includes two wearable microphones and a receiver pre-paired out of the box. The receiver receives audio signals from the microphones and translates the signals into crystal-clear sound through the display's speakers.

Microphone

Microphone technology	Omnidirectional
Gain control	Three levels (10 dB, 12 dB, 14 dB)
Maximum SPL (sound pressure level)	117.7 dB
Operating range	98' 5" (30 m) (clear line-of-sight)
Pairing method	Contact with receiver
Battery type	Rechargeable LiPo
Battery voltage	3.7 V
Battery capacity	100 mAh
Charge time	2 hours
Charge method	Charging case
Operational time¹	4 hours

Storage and operating requirements

Operating temperature	32–104°F (0–40°C)
Battery charging temperature	41–95°F (5–35°C)
Storage temperature	–4–140°F (–20–60°C)
Humidity	10–90% relative humidity, non-condensing

¹Battery performance is calculated under typical operating conditions, assuming the microphone is muted for approximately 25 percent of the time.

Receiver

Audio latency	<15 ms
Line out	3.5 mm audio output
Power	5V USB Type-C
Wireless signal types	Digital
Working frequency	2400–2483.5 MHz

Storage and operating requirements

Power requirements	5VDC @ 200 mA, 1 W
Operating temperature	32–104°F (0–40°C)
Storage temperature	–4–140°F (–20–60°C)
Humidity	10–90% relative humidity, non-condensing

Charging case

Battery type	Rechargeable LiPo
Battery voltage	3.7 V
Battery capacity	300 mAh
Battery charger input	USB Type-C ×1
Charge time	2 hours
Operating time	Provides up to 8 hours of operating time

Storage and operating requirements

Power requirements	5VDC @ 400 mA, 2W
Operating temperature	32–104°F (0–40°C)
Battery charging temperature	41–95°F (5–35°C)
Storage temperature	–4–140°F (–20–60°C)
Humidity	10–90% relative humidity, non-condensing

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Included cables and accessories	Qty
USB Type-A to USB Type-C receiver power cable	1
USB Type-C to USB Type-C microphone charging cable	1
3.5 mm audio cable	1
Mounting bracket	1
Illustrated installation instructions	1
Important information document	1

Supported iQ system software

iQ version 4.71 or later

Supported SMART Board displays interactive displays

- SMART Board® MX (V5)
- SMART Board MX (V5) Plus
- SMART Board QX (V2) Pro
- SMART Board RX

Certification and compliance

Regulatory models	Microphone: AEM-1 Receiver: AER-1 Charging case: AEC-1
US / Canada	FCC ISED
EU / EEA / EFTA / UK	CE UKCA
Australia / New Zealand	RCM

Purchasing information

Order number

SND-LK SMART SoundLift voice amplification solution (receiver, 2 × microphone and 2 × charging case)

SMART Warranty

Terms and conditions and warranty upgrade options vary by region. Visit [smarttech.com/warranty](https://www.smarttech.com/warranty) or contact your reseller for information.

Cable requirements

See > [SMART cables and connectors guide](https://docs.smarttech.com/171926) (docs.smarttech.com/171926)



Dimensions and weights

Note

- All dimensions ± 1/8" (0.3 cm). All weights ± 2 lb. (0.9 kg).
- The microphones and their charging cases ship with the receiver.

Microphone

Dimensions	Weight
11/4" × 11/4" × 1.2" (3.2 × 3.2 × 1.3 cm)	0.5 oz. (15 g)

Charging case

Dimensions	Weight
2" × 2" × 11/4" (5.1 × 5.1 × 3.2 cm)	1.2 oz. (35 g)

Receiver

Dimensions	Weight
2 1/4" × 2 1/4" × 1" (5.8 × 5.8 × 2.6 cm)	1.4 oz. (40 g)

Shipping dimensions	Shipping weight
10 3/8" × 5 5/8" × 1 3/4" (26.5 × 14.3 × 4.3 cm)	13.7 oz. (388 g)

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