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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

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

## Storage and operating requirements

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

## Receiver

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

## Storage and operating requirements

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

## Charging case

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

## Storage and operating requirements

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

**SMART SoundLift voice amplification solution**

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** 4.7.2 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**

<b>Regulatory models</b>	Microphone: AEM-1   Receiver: AER-1   Charging case: AEC-1
<b>US / Canada</b>	FCC   ISED
<b>EU / EEA / EFTA / UK</b>	CE   UKCA
<b>Australia / New Zealand</b>	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://smarttech.com/warranty) or contact your reseller for information.

**Cable requirements**

See > [SMART cables and connectors guide](https://docs.smarttech.com/kb/171926) ([docs.smarttech.com/kb/171926](https://docs.smarttech.com/kb/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" × 1 1/4" × 1.2" (3.2 × 3.2 × 1.3 cm)	0.5 oz. (15 g)

**Charging case**

Dimensions	Weight
2" × 2" × 1 1/4" (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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