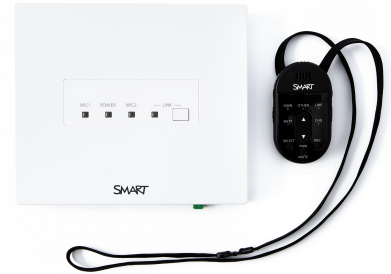**SMART**®

Specifications

SMART Audio 400 classroom amplification system
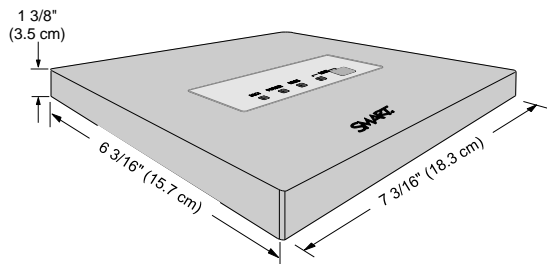
SCA-400

Overview

The SMART Audio 400 classroom amplification system provides high-quality audio amplification for classrooms. SMART Audio is the control center for the wireless microphone and speakers. The system comes with a teacher microphone and optional student microphone. The receiver receives audio signals and translates them into crystal-clear sound through the speakers. A variety speaker options are available, including wall mounted speakers (SBA-150) and ceiling mounted speakers (SBA-150c).

See smarttech.com for more information on this product.

Dimensions and weights[1]

Receiver dimensions

1 3/8"
(3.5 cm)

6 3/16" (15.7 cm)
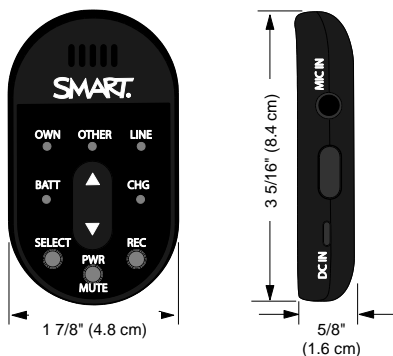
7 3/16" (18.3 cm)

Weight

15 oz. (0.42 kg)

Shipping dimensions

19 6/8" × 12 1/2" × 15 9/16" (49 cm × 31.9 cm × 38.7 cm)

Shipping weight[2]

3 lb. (1.4 kg)

Teacher microphone dimensions

OWN   OTHER   LINE

BATT   CHG

SELECT   REC

PWR
MUTE

MIC IN

3 5/16" (8.4 cm)

DC IN

1 7/8" (4.8 cm)

5/8"
(1.6 cm)

Weight

2 oz. (50 g)

---

[1]All dimensions ± 1/8" (0.3 cm). All weights ± 2 lb. (0.9 kg).

[2]The teacher microphone ships with the receiver.

Audio

Receiver

System frequency	DECT 6.0 at 1.9 GHz
Coverage	Adjustable for optimal coverage from small classrooms to other large spaces
Microphone type	Unidirectional electret condenser microphone
General signal to noise ratio	85 dB or more (Receiver to Mix output) By auto level control function in microphone
Line in L/R	Line level 3.5 mm stereo mini jack
Mix out line level	RJ45 line level output, feeds the speaker amplifier
Audio out (Mix output)	Line level 3.5 mm output mini jack (Tip, Ring: Hot, Sleeve: GND)
Audio control	Feedback blocker

Speaker amplifier

Frequency response	20 Hz to 20,000 kHz Output power (THD @ 1% [4 Ohm load]) = 16W

Teacher microphone

System frequency	XD Technology 1.9 Ghz
Coverage	Adjustable for optimal coverage from small classrooms to other large spaces
Microphone type	Unidirectional electret condenser microphone
Remote control via microphone	Audio controls: Mic 1, Mic 2, Line input levels

Receiver control terminal

REC/E1	Output terminal
Alert/E2	Output terminal
Remote Link Button **Remote Alert/E2 button** **RS-232C**	TxD, RxD, Gnd, 9600 Baud

Connectors

Receiver

3.5 mm input with volume control, line in L/R
3.5 mm output (mix output)
RJ-45 for XD Receiver (K-SRC14), provides both audio and power for the speaker power amplifier
24 DC power input
Speaker connection (two terminal removable with screw connections)

Teacher microphone

MIC IN	Line level 3.5 mini jack (plug-in power compatible)
AUDIO IN	Line level 3.5 stereo mini jack (monaural mix)
DC IN	Micro USB Battery charger input

Storage and operating requirements

Receiver

Power requirement	24 VDC @ 130 mA
Operating temperature	32℉–104℉ (0℃–40℃)

Teacher microphone

Battery Type	Rechargeable lithium-ion battery
Talk time	8–10 hours
Charge time	~4 hours (4 V/500 mA)
Charge method	Micro USB charger
Operating temperature	41℉–95℉ (5℃–35℃)
Humidity range	~90%

Certification and compliance

Regulatory certification	• FCC • ISED • UL

Environmental compliance

U.S.	California Proposition 65 CONEG Packaging laws Level VI external power supply energy efficiency

Purchasing information

Order numbers

SCA-400	SMART Audio 400 classroom amplification system

Optional accessories

SCA-SM40	Student microphone
SCA-SM40H	Student microphone holder
SBA-100	SMART speakers
SBA-150	Wall-mounted speakers
SBA-150c	Ceiling-mounted speakers

Warranty	Three-year limited equipment warranty for hardware One-year limited warranty for batteries