

MODEL SC-186K INFRARED AUDIO TRANSMITTER

Sound Choice
Assistive Listening, Inc.



PRODUCT OVERVIEW

The Sound Choice Model SC-186K Assistive Listening System is the high-tech, affordable ADA compliance solution for the hearing impaired.

The Sound Choice Model SC-186K is a compact wireless infrared audio transmitting system. The unit is completely self-contained and includes a super-sensitive boundary-effect microphone. Its high gain internal pre-amplifier makes even the faintest sounds audible. The Sound Choice Model SC-186K system incorporates powerful infrared emitters which broadcast audio over invisible infrared light waves. The infrared transmission is received by high-gain headsets worn by those needing hearing assistance. Styled in a dignified wood enclosure, the transmitter blends with both traditional and modern government, courtroom or commercial settings.

The Sound Choice Model SC-186K system has built-in equalization circuits which de-emphasize the undesirable rumble of air conditioners, traffic and fans while emphasizing frequencies that contribute to the crispness and intelligibility of speech. Its built-in compressor- limiter automatically adjusts the volume so that speakers in close proximity to the unit will not cause distortion in the receivers. Distant speakers are automatically boosted in volume, while unexpected peaks are instantly attenuated.

The SC-186K has the ability to integrate into an existing sound system or utilize the unit's own highly sensitive self-contained microphone. There is also an output jack included for transcription recording.

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MODEL SC-186K INFRARED AUDIO TRANSMITTER



Rear panel actual size 6 1/2 inches

SPECIFICATIONS

- Microphone:** Sound Choice Special Design (standard) or Crown PZM-11 capsule (special order)
- Preamplifier:** Low-noise BiFET circuitry with automatic gain control and peak limiting
- Input & Output:** 1/4" Input Jack switchable for mic or line levels (unbalanced)
1/4" Line Output Jack (unbalanced)
BNC Connector for optional 360° Emitter Disk
MiniDIN Connectors for optional Remote Mute Switch and Slave Transmitter
- Equalization:** Low end rolloff below 150 Hz; 50 microsecond pre-emphasis
- Infrared transmission:** 880 nm, IEC 764 Standard 95 kHz, 250 kHz, 2.3 mHz FM optical carrier (specify frequency when ordering). SC-186Kx2 2.3 & 2.8 mHz.
- Optical output:** main IR beam greater than 450 mW
- AC Power requirements:** 125 volts AC to 16 volts AC, 1 Amp wall block transformer (included)
- Dimensions:** 6 1/2" x 5 1/4" x 1 3/4" (16.5 cm x 13.3 cm x 4.5 cm); 1.4 lbs. (0.63 kg)

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PZM® is a registered trademark of Crown International, Inc.
The SC-186K uses technology developed by Synergy® Electronic Music, Inc. and licensed exclusively to Sound Choice Assistive Listening.
Sound Choice manufactured items are warranted for three years from date of purchase.
Made in USA. US Patents 5,548,654 and 5,596,648.

PRODUCT DETAILS

Since other assistive technologies can be received outside of the room, only infrared listening systems address the confidentiality issues that exist in judicial or other sensitive settings. The infrared light carrying the audio can be received only within the room where it is broadcast. It cannot be picked up outside the facility by unauthorized listeners or easily obtained radio receivers as with FM/RF systems. With the SC-186K confidentiality is more assured.

Sound Choice originally designed the SC-186K specifically for the unique requirements found in a courtroom setting. Those stringent requirements make the SC-186K a reliable solution to many other demanding assistive listening situations in government and enterprise.

Sound Choice offers an optional SC-RMS wired Remote Mute Switch which selectively silences the transmitted audio to allow sidebar or other private conversation confidentiality.

Sound Choice offers an optional SC-360 Circular Emitter Disk which transmits in a radial 360° pattern to cover courtrooms, conference tables and hearings where the participants are seated in the round. The Emitter Disk will transmit within a 20 foot radius filling in areas of the room where the powerful main infrared beam is not directed.

The SC-186Kx2 is a two channel version of the basic transmitter. It broadcasts the same audio on both channels at 2.3 mHz and 2.8 mHz. In the same manner as the single-channel transmitter, using the SC-RMS the 2.3 mHz channel can be muted during sidebars or other times when private discussion should not be transmitted. The 2.8 mHz channel is never muted allowing defendants or other authorized parties access to all conversations.

The SC-186Kx2 can use the optional SC-MEB Microphone-Emitter Box. This device adds a second microphone and a second array of 360° LED emitters in a single box. The extra microphone and emitters enhance the audio pickup and infrared capabilities.

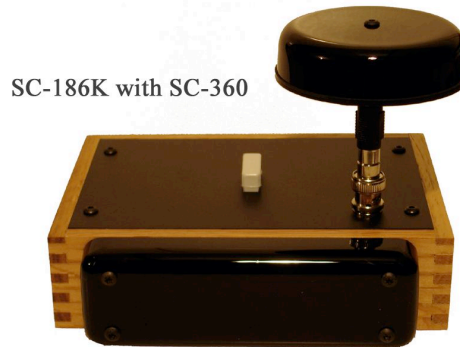
SC-186K series transmitters are normally manufactured with oak stained woodwork. For large orders, custom wood stain colors can be provided.

Sound Choice offers complete turn-key infrared systems with a transmitter, accessories, and bundled headset and neck loop receivers housed in a convenient carrying case. Contact us for configurations and details. Further details and Architectural and Engineering bid specifications can be found on the Sound Choice website at www.assistivelisting.net.

OPTIONAL ACCESSORIES



Remote Mute Switch



Omnidirectional LED Emitter Disk



for SC-186Kx2 only:
Microphone & Emitter Box for extra audio pickup and IR coverage

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