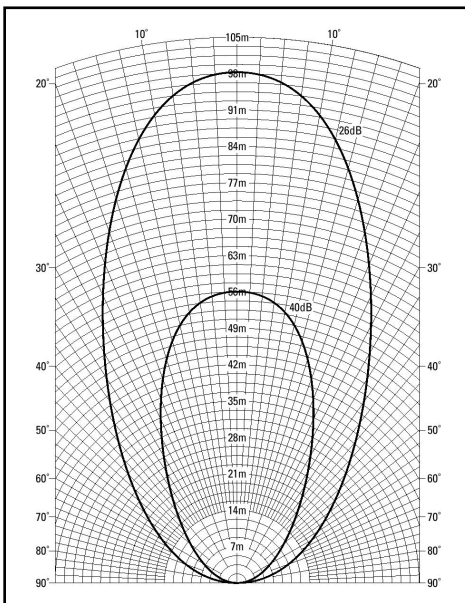


1-channel select 2- Line in 3- Mic in 4- Line out



SP 230 Portable Two-Channel Infrared System

The compact, portable SP 230 is a two-channel self-contained modulator/emitter in one unit that operates at higher sub-carrier frequencies thus avoiding interference from fluorescent lighting. It is especially well-suited to medium sized conferences and meeting room applications, as it can be set up easily on a podium or microphone stand and requires only the simple connection of a microphone, tape recorder (or similar audio source), and a wall outlet. It can remotely power one SZI 1015 medium area emitter panel for up to 4,000/2,000 sq. ft. of additional coverage (single-/two-channel mode).

Features—Benefits

- Modulator/emitter combination
- Operates at 2.3 MHz on channel 1, and 2.8 MHz on channel 2
- Switchable single- (4,000 sq. ft. coverage) or two-channel (2,000 sq. ft. coverage) operation
- Additional SP 230s, SZI 1015, or SZI 1029 emitter panels may be daisy-chained for greater coverage
- Features two line-level inputs, two mic-level inputs and two line-level outputs
- Can remotely power one SZI 1015 emitter
- Includes barrier strip for easy system expansion
- 1-year warranty

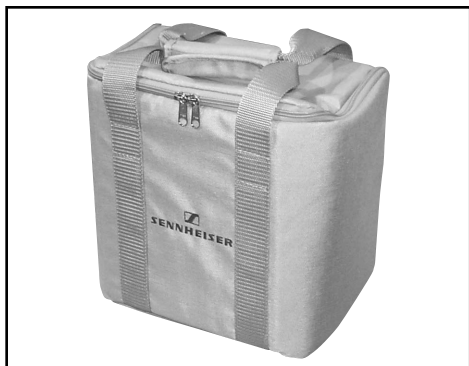
Technical Data

Subcarrier frequency	2.3 and 2.8 MHz (switchable or stereo)
Transmission area	4,000 sq. ft. single-channel 2,000 sq. ft. two-channel
Inputs	Two XLR balanced mic-level Two 1/4" unbalanced line-level phone jacks
Outputs	Two 1/4" line-level
Power requirements	110 V AC
Dimensions in inches	10" w x 7" d x 8.5" h
Weight	9 lbs., 8 oz.
Power supply	29 V DC internal

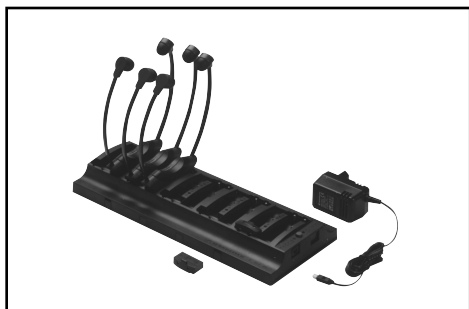
System Expansion Guidelines to connect the SP 230 to:

1. A second SP 230
 - Switch one SP 230 to "slave" position, then
 - CBL 1015 75 Ω coax plus 2 cable, 18 AWG, 100' or
 - Plug Mains cable into 110 V AC wall outlet and connect RF signal with RG 58 coax cable using BNC connectors or barrier strip
2. SZI 1015 Emitter
 - CBL 1015 75 Ω coax plus 2 cable, 18 AWG, 100' *
3. SZI 1029
 - RG 58 coax cable with BNC to BNC
 - Plug Mains cable into 110 V AC wall outlet

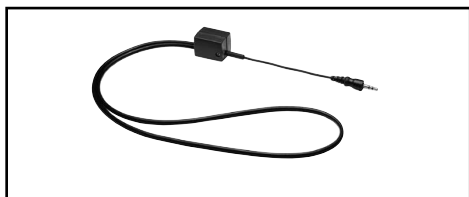
* Note: For runs longer than 100', use heavier gauge



SC 110 Soft carrying case



L 151-10/NT Charger



EZT 1011



HD 1029

Supplied Accessories

(1) Power cord for 110 V AC outlet

Optional Accessories

Soft carrying case	SC 110
Charger and power supply for ten infrared receivers	L 151-10/NT
Handheld, dynamic microphone with switch	E 835-S
XLR Microphone cable, 21'	MC 21 N
3 legged collapsing floor stand	SEMS 3000
Spare rechargeable battery	BA 151
Latex replacements ear cushions	EP405L

Required Receivers

Single channel, stethophone receiver with BA 151 rechargeable battery	RI 250
Same as RI 250 but with 3.5 mm mono jack for connecting with hearing accessories (see below)	RI 250-J
Single-channel, body pack receiver with 3.5 mm jack for connecting with hearing aid accessories (see below)	RI 250-S
Stereo/two-channel stethophone receiver with built-in squelch control	HDI 302

Hearing Aid Accessories for use with RI 250-J/250-S

Induction Neckloop with 3.5 mm mono plug for hearing aids with telecoil	EZT 1011
Mono mini headphone with 3.5 mm plug	HD 1029

Product Compatibility

Emitters:	SZI 1015 SZI 1029
Receivers	See above

Architect's Specifications

The system must consist of a two channel wideband modulator capable of switching between channel one at 2.3 MHz; channel two at 2.8 MHz; or stereo; and, an emitter with an array of 72 diodes providing 4,000 sq. ft. of coverage in a single channel; or 2,000 sq. ft. in two channel mode. It must plug into a standard 110 V AC power outlet. The single component design must be capable of being placed on a flat table or mounted on mic stand using a 5/8" thread adapter. The emitter must indicate proper functioning by a green LED; a red LED would indicate no RF signal. The internal transformer power supply must be capable of remotely powering a second emitter of equal size. Connecting the RF signal to a second emitter must be accomplished in one of two ways: BNC and 50 Ω coax cable, or using the barrier strip with tinned leads.

The modulator must accept either line level audio input via 1/4" phone jack; mic level audio input via XLR connector or both. When using a combination of line level and mic level inputs, mixing the two sources must be easily accomplished using a control knob to achieve desired output. It must include a line output for connecting to a recording device or room PA system. The unit must have a optional carrying case for easy transporting.

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