**SI 30 Transmitter**

**FEATURES**
- High subcarrier frequencies to avoid interference
- Easy to install
- Master system can be used independently for up to 750 sq. ft. of coverage
- SZI 30 slave emitters offer increased coverage
- Connects to line level audio source via 1/8” or 1/4” plug

**ARCHITECT’S SPECIFICATIONS**
The wideband infrared modulator with integral radiator shall be for use with companion radiators as part of a wireless IR transmission system. Nominal deviation shall be +/- 50 kHz.
The modulator shall be capable of operating on the carrier frequencies of 2.3 MHz and 2.8 MHz and shall be switchable between single-channel, two-channel and stereo operation.
The modulator shall feature IR diodes and shall provide a 3-pin Texas socket as audio input. The input voltage range shall be 45 mV - 4 V, output impedance shall be 50 ohms.
The modulator’s maximum coverage area shall be 80 sq m (861.11 sq ft), with a radiating power of 0.5 W. The operating voltage shall be 24-27 V DC, current consumption shall be 180 mA. The RF output for connection of additional radiators shall be a 3.5 mm mono jack socket.
The modulator dimensions shall be 118 x 25 x 90 mm (46.46” x 9.84” x 35.43”). Weight shall be 140 grams (4.94 oz). The modulator shall be the Sennheiser SI 30.

**THE SI 30** is a wideband modulator with an integral radiator. It can be switched between operation on channel 1 (2.3 MHz), channel 2 (2.8 MHz) and stereo operation. Due to its compact size and relatively low radiating power, the SI 30 modulator/radiator and the SZI 30 radiator are an ideal choice for smaller or medium-sized rooms, for covering recesses or for applications which require transmission of audio information to well defined zones, e.g. in museums.

**TECHNICAL DATA**
- Modulation: FM
- Nominal deviation: +/- 50 kHz
- Carrier frequencies: 2.3 MHz + 2.8 MHz
- Audio-in: 3-pin Texas Socket
- Input voltage range: 45 mV - 4 V
- Output impedance: 50 Ω
- IR diodes: 11
- Max. coverage area: 80 m²
- Radiating power: 0.5 W
- Operating voltage (mains): 24 – 27 V DC
- Current consumption: 180 mA
- Dimensions: 118 x 25 x 90 mm
- Weight: 140 g
- RF output: 3.5 mm mono

**SI 30 Transmitter**
SI 30 Transmitter

DIMENSIONS

PRODUCT VARIANTS
SZI 30
Art. No. 04633
(Universal IR radiator)

RECOMMENDED ACCESSORIES
Plug-in mains unit
NT 20-1 (EU version) Art. No. 03600
NT 20-1-120 (120 V version) Art. No. 03601
NT 20-1-UK (UK version) Art. No. 03602

Plug-in mains unit for up to four SI/SZI 20 or 30
NT 20-4 Art. No. 03603
NT 20-4-120 120 V version Art. No. 03604

RF connection cable
KR 20-7 (7 m) Art. No. 03535
KR 20-015 (0.15 m) Art. No. 03536

Extension lead
KK 20-1 Art. No. 03557
KK 20-7 Art. No. 03558
IZK 20 Mounting clamp for SI/SZI 30 Art. No. 03560
IZM 20 Cluster mounting kit Art. No. 03561

Contact your local Service Partner:
Sennheiser electronic GmbH & Co. KG
Am Labor 1, 30900 Wedemark, Germany
www.sennheiser.com

Si 30 Transmitter

POLAR PATTERN

SI 30 / SZI 30 – Common Features
With their 11 IR transmission diodes, the SI 30 and SZI 30 can cover areas of up to 80 m². In two-channel (stereo) operation, coverage is reduced to 40 m². A signal-to-noise ratio of 26 dB (the outer of the two characteristics in the polar diagram) gives an intelligible but noisy signal. Only a signal-to-noise ratio of > 40 dB ensures comfortable listening without the annoying noise.

SI 30 modulators/radiators and SZI 30 radiators are especially suitable for the following applications:

- As small wideband systems, e.g. for transmitting TV sound. Such a system can consist entirely of SI 30 and SZI 30.
- As auxiliary radiators in combination with the SZI 1029, for covering room niches and recesses.
- As “island solutions” – e.g. for exhibits in a museum. Such a system can economically be implemented using the SI 30. The individual areas within the museum have to be optically decoupled, giving the visitor exactly the audio information which is associated with the exhibit he or she is facing – without having to switch channels.

With the IZK 20 mounting clamp and the IZM 20 cluster mounting kit, up to four SI 30/SZI 30 can be mounted on top of one another. This makes it very easy to align them correctly, at an angle to one another. The diagram on the left shows an installation in which the radiators have been mounted in 60° steps. The result is an almost uniform coverage over an angle of 200°.

Polar pattern of the SI 30 / SZI 30
free field, extraneous light < 100 lx, single-channel operation

Radiator cluster with four IZK 20 clamps and IZM 20 cluster mounting kit