

## **INFRACOM** IRX

### Receiver for infrared sound transmission

Article no.: 06.5801



#### Description

Transmitting sound without laying cables is possible with the INFRACOM infrared system from Brähler Systems. The IRX receives up to 32 channels in the standard and extended frequency bands. The use of a PLL synthesizer guarantees excellent transmission characteristics and high reliability.

The IRX receiver can be switched between band II and band IV. It can be used even in direct sunlight, e.g. outdoors. The volume and the voice channel can be set via four buttons. An illuminated LC display shows all relevant information such as volume or system status. The channel grid can be shifted upwards as desired to avoid interference from e.g. fluorescent lamps on the lower IR channels.

Various battery-saving modes ensure energy-saving operation. The charge control LED helps to monitor the charging process of the batteries.

#### Properties

Up to 32 channels in band II/band IV

##### **Directional characteristics:**

- 120° horizontal, 100° vertical

##### **Mode of operation:**

- Superhet receiver with PLL synthesiser
- FM modulation

##### **Transmission frequencies**

- 55 - 1335 kHz (Band II)
- 1935 - 3175 kHz (Band IV)

##### **Intermediate frequency**

- 455 kHz

##### **Frequency range**

- (125 - 8,000) Hz

##### **Distortion factor**

- < 2,0%

##### **Signal-to-noise ratio (S/N)**

- > 55 dB

##### **Power supply**

- 3,6 - 4,5 V
- 3 x NiMH rechargeable batteries 1.2V/750 mA/h
- or
- 3 x batteries 1.5V (AAA)

##### **Operating time**

- approx. 75 hours (battery pack)
- approx. 120 hours (battery set)

##### **Connection**

- 3.5mm jack socket
- Impedance: 32 - 3000 Ohm

##### **Housing**

- Plastic, colour grey
- W x H x D: (50 x 150 x 25) mm

**Weight:** 150 g

#### System requirements

##### **Required system components**

- ICen IV  
Article no.: 06.4600
- IRad  
Article no.: 06.6230

##### **Other system components**

- DOL7/2E  
Article no.: 04.2541.07
- Conference headphones  
Article no.: 03.0270 (K45/6)  
Article no.: 03.0290 (K45/16)
- TK50 Carrying case  
Article no.: 06.7100
- SV/BNC  
Article no.: 06.6210.3