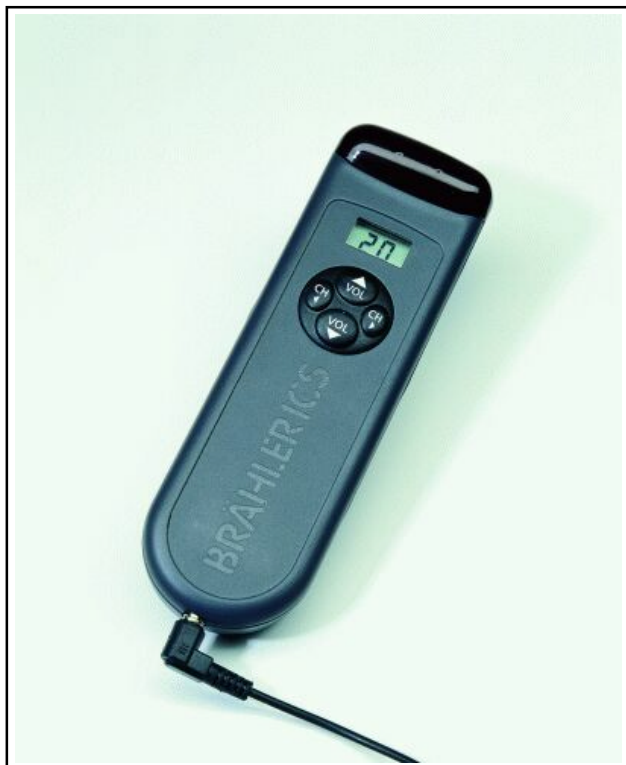


## PRODUCT INFORMATION IRX

### Infrared Multichannel Receiver

BRAHLER ICS is committed to continually improving its products and so reserves the right to make technical modifications without notice.



#### Description

The IRX receiver has been designed to receive more than 31 audio channels within the standard frequency range. The use of a Phase-locked-loop (PLL) synthesizer guarantees a high sensitivity, good transmission quality and high operating reliability as well.

The new generation of INFRACOM-receivers allows the use even in direct sunlight, e.g. in the open air, or in places where normal infrared transmission would be impossible due to excessive lighting, e.g. press conferences, stage, etc.

The receiver is equipped with a navigation dial: volume up and down and channel selection, all functions available at one finger tip. Operation is self-evident, requiring no instruction. The unit is activated by pressing the navigation dial. The LC-Display lights up as an indication that the unit is operating properly. A check about remaining battery capacity is shown by the LCD on start-up. The selected channel will be shown on the display. This will be memorized until the next use. Thus if the receiver is taken out of the meeting room or the IR-transmitter is switched off, the receiver is set into standby mode automatically.

If the headphone is disconnected, the receiver will also switch off. These functions ensure that the receiver operates in an energy saving manner.

#### Optional Accessories

**K10/16** Delegate headphone

**K45/6** Delegate headphone

**MG06/8** Stethoscopic headphone

#### Rechargeable batteries

NiMh 750 mA/h Type AAA

**TK50** storage tray

for 50 INFRACOM® receivers

**PSU-LTK50** Power supply

**CIX1** INFRACOM® GUARD controller

**N2** Guard loop cable

#### Options

Available in different versions:

**IRXM** - 32-channel (Art.no. 06.5800)

**IRX22** - 22-channel (Art.no. 06.5922)

**IRX12** - 12-channel (Art.no. 06.5912)

**IRX12** and **22** with GUARD-module

Customized adhesive removable receiver fascia.

INFRACOM® GUARD plug-on module - acoustic signal device to remind the user to return the receiver (only in conjunction with CIX1 INFRACOM® GUARD controller and N2 GUARD-loop cable).

#### Technical Data

Complies with int. standard IEC 914 and IEC61603-3 (standard operation)

#### Number of channels:

22 per IEC 61603-3

32 in extended operation mode  
more channels per IEC 61603-7

#### Modulation: FM

#### Transmission frequency:

55kHz - 975kHz in 40kHz steps  
per IEC 61603-3

from 975 kHz in extended operation mode

from 2000 kHz operation regarding  
IEC 61603-7

#### Operating mode:

Superhet receiver with PLL synthesizer

**Intermediate frequency:** 455 kHz

**Reception characteristic:** 150°

**Audio frequency range:** 125 - 8000 Hz

**Distortion factor:** < 2.0%

**Signal-to-noise ratio (S/N):** > 55 dB

#### Headphone jack:

3.5mm stereo (DIN 455838)

#### Headphone impedance:

32 - 3000 Ohm

**Operating voltage:** 3.6 ... 4.5 volts

#### Power supply:

3 NiMH 750 mA/h rechargeable batteries (AAA) or 3 disposable batteries 1,5V (AAA)

#### Operating time:

approx. 75 hours (rechargeable batteries)

approx. 120 hours (disposable batteries)

#### Display:

2 digit LCD (liquid crystal display) for channel and volume

#### Test-functions:

Battery voltage and IR field strength via LCD

#### Temperature range:

operating: +10°C to +40°C

storage: -20°C to +50°C

Humidity: <80% non condensing

**Dimensions:** 150 x 50 x 25 mm

**Colour:** grey

**Weight (including batteries):** approx. 150 g