

INFRACOM®

Receiver IRX (band II / IV)



Description

The IRX receiver has been designed to receive up to 32 channels within the standard frequency band as well as an extended frequency band (infrared). The use of a PLL-synthesizer (phase-locked-loop) guarantees high quality transmission and also high operation reliability.

This current generation of INFRACOM receivers are now switchable between Band II and Band IV. They allow the use even under direct sunlight where normally the reception would not be possible due to overly brightness.

The receiver is equipped with a 4 key control pad for volume and channel control. Volume level and channel number are displayed on a backlit LC-Display which also shows the system status or the system adjustments, i. e. the battery voltage, the IR field intensity and the shift operation mode.

Using the shift function, the channel spacing can be shifted arbitrarily upwards to avoid interference on the lower IR channels caused by fluorescent lamps.

With the new charging control LED the charging of the receiver is now even easier to control.

Because of their particular operating characteristics and differentiated battery-saving modes a long standby time is guaranteed.

Optional the receiver can be upgraded with an INFRACOM Guard Module which offers together with the CIX1 Guard Controller an efficient protection against getting lost.

Technical Data

Complies with the international standard IEC914, IEC61603-3 and IEC61603-7

Number of channels
 • depends on version: 4, 12 or 32

Directional characteristic
 • 120° horizontal, 100° vertical

Operation modes
 • Superhet receiver with PLL-Synthesizer
 • FM-Modulation

Display
 • LC-Display (2 digits)
 • displays channel number and volume level
 • backlit

Carrier frequencies
 • (55 - 1335)kHz in 40kHz steps (Band II)
 • (1935 - 3175)kHz in 40kHz steps (Band IV)

Inter frequency
 • 455kHz

Frequency range
 • (125 - 8000)Hz

Distortion
 • < 2.0%

Signal-to-noise ratio (S/N)
 • > 55dB

Voltage Supply
 • Range (3.6 - 4.5)V
 • 3 x NiMH rechargeable battery 1.2V / 750mA/h (included in delivery)
 Charging time approx. 4-6 hours

or
 • 3 x battery 1.5V
 • type AAA each

Time of operation
 • approx. 120 hours (batteries)
 • approx. 75 hours (rechargeable batteries)

Connector
 • Headphones (3.5mm jack-socket), impedance: (32 - 3000) Ohm

Housing
 • Plastic, grey
 • W x H x D (50 x 150 x 25)mm

Weight (incl. batteries)
 • 150g

Accessories (not included in delivery)

K10/16 Conference headphone (3.5mm jack)

K45/6 Conference headphone (3.5mm jack)

MG07/8 Stethoscopic headphone (3.5mm jack)

Batteries 1.5V, Type AAA

TK50 bundle INFRACOM® transport and storage tray for 50 INFRACOM® receivers

Necklace cord to conveniently carry the IRX

CIX1 INFRACOM®GUARD controller

N2 Guard loop cable

Options

IRX12 - 12 channel receiver
 with or without Guard module

IRX4 - 4 channel receiver
 with or without Guard module

Label with customized company logo

WPF06.5801.E.100301 BRÄHLER ICS is committed to continually improving its products and so reserves the right to make technical modifications without notice.