

# Iris RP Mk II

Infrared Receiver



## FEATURES

- DQPSK digital modulation technology
- Band IV operation between 2 and 6 MHz
- Can be used in bright sunlight
- With 8 or 16 selectable channels
- LC-Display to indicate the channel
- LED to display battery status
- LED to display signal
- Adjustable volume
- Receiving radius of 270°
- Integrated rechargeable Li-Ion battery
- In compliance with the international IEC 61603-7 standard

## DESCRIPTION

The Iris RP Mk II infrared receiver has been designed for the reception of 8 or 16 audio channels within the frequency band 2 to 6 MHz. Within this frequency band interference caused by Plasma TV sets or fluorescent light tubes is not possible.

The DQPSK digital modulation technology ensures smooth operation. The generation of this infrared receiver allows the use even under direct solar radiation where normally the reception would not be possible due to excessive brightness.

The receiver is provided with a channel selector switch and volume control. The channel is displayed on the LC-Display. Depending on the version, there are 8 or 16 channels available. LEDs display the battery and signal status. When leaving the infrared field or when removing the headphone from the socket, the device will automatically be switched off after approx. 5 minutes.

The receiver can be worn around the neck with a cord or attached to the clothing with a clip.

The Iris RP Mk II infrared receiver is compliant with the international IEC 61603-7 standard.

## VERSIONS

- |                  |   |
|------------------|---|
| Iris RP-8 Mk II  | Digital infrared beltpack receiver, 8 channels, separate volume control / channel selector, LC-Display, LEDs to display battery / signal status, clip, incl. rechargeable Li-Ion battery . . . . . Order # 724.750  |
| Iris RP-16 Mk II | Digital infrared beltpack receiver, 16 channels, separate volume control / channel selector, LC-Display, LEDs to display battery / signal status, clip, incl. rechargeable Li-Ion battery . . . . . Order # 724.769 |

## OPTIONAL ACCESSORIES

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|----------|--|
| DT 1     | Single-sided headphone, 32 ohms, cable length 0.9 m . . . . . Order # 724.521                        |
| DT 2     | Headphone, 16 ohms, cable length 0.8 m . . . . . Order # 471.437                                     |
| DT 3     | Neckworn headphone, 64 ohms, cable length 0.8 m . . . . . Order # 484.571                            |
| Iris C40 | Charging and transport case for 40 Iris RP receivers, incl. power supply unit, 230 V Order # 722.863 |

# Iris RP Mk II

## TECHNICAL SPECIFICATIONS

Modulation . . . . . DQPSK  
Modulation frequency . . . . . 2 to 6 MHz  
Frequency response . . . . . 20 Hz to 20 kHz (-3 dB)  
T.H.D. . . . . < 1%  
Crosstalk attenuation at 1 kHz . . . . . > 80 dB  
Dynamic range . . . . . > 85 dB  
Weighted signal-to-noise ratio . . . . . > 80 dBA  
IR irradiance level . . . . . 4 mW/m<sup>2</sup> per carrier  
Angle of sensitivity . . . . . 270°  
Headphone output . . . . . 32 ohms to 2 kohms  
Rated frequency difference . . . . . ± 6 kHz  
Peak deviation . . . . . ± 8 kHz

De-emphasis . . . . . 150 ms  
Signal-to-noise ratio . . . . . > 80 dBA  
Supply voltage . . . . . 3.7 to 4.2 V, nominal 3 V  
Power consumption  
Normal (at 3 V) . . . . . 50 mA  
(32 Ω headphone)  
Headphone not connected . . . . . 0 mA  
Operating time rechargeable batteries . . 10 hours  
Dimensions (H x W x D) . . . . . 156 x 56 x 18 mm  
Weight (incl. batteries) . . . . . 150 g  
Colour . . . . . grey  
Compliant with standard . . . . . IEC 61603-7