

DR 6004/6008/6032 Digital Infrared Receivers

- Available in 4-, 8- or 32-channel versions
- Excellent audio quality in a variety of listening modes
- Uses alkaline or rechargeable battery pack
- LCD display for channel indication



Description

The DR 60xx Digital Infrared Receivers are used in the DCS 6000 Digital Infrared Wireless Audio Distribution System. The system allows participants to listen on headphones to the conference in a variety of languages. Audio is transmitted wirelessly to the receiver, where each individual can select the channel and adjust the volume to the headphones. The system is useful in a variety of installations, such as multi-purpose halls, hotels, or conference centers.

DR 60xx Digital Infrared Receivers are designed for maximum audio and battery performance. They are available in several model variations:

| Model Name | Number of Channels |
|------------|--------------------|
| DR 6004 | 4 |
| DR 6008 | 8 |
| DR 6032 | 32 |

The DIS Digital IR system can transmit audio in four modes. The standard quality mode uses less bandwidth and can be used for transmitting speech. For music, the premium quality mode provides near-CD quality.

- Mono, standard quality, maximum 32 channels
- Mono, premium quality, maximum 16 channels
- Stereo, standard quality, maximum 16 channels
- Stereo, premium quality, maximum 8 channels

Features

The DR 60xx has the following standard features:

- Digital receiver for the DCS 6000 IR Audio distribution system
- 2-digit LCD display with channel, battery and reception status indicators
- Custom-designed for maximum performance and a long battery life
- Measurement mode for easy testing radiator coverage
- Up to 200 hours operation with alkaline batteries
- Up to 75 hours operation with BP 6001 Battery Pack
- Audio signal automatically muted when signal is too low, ensuring that the user receives only high-quality audio
- Automatically powers off when headphones are disconnected
- Compact design fits conveniently into a shirt pocket and secures with attached clip
- Integrated recharging electronics ensures optimum battery performance
- Recharges from empty to full capacity within 1 hour and 45 minutes

Specifications

Mechanical

| | |
|-------------------------------|--|
| Dimensions (W x H x D) | 155 x 45 x 30 mm |
| Color | Black |
| Weight | with battery pack: 75 g without batteries: 125 g |
| Temperature range | Transport: -40 to +70°C (-40 to 158°F) Operation: 5 to 45°C (41 to 113°F) |

Interconnections

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|----------------------------|---------------------|
| Headphone Connector | 3.5mm (1/8") stereo |
|----------------------------|---------------------|

Electrical

| | |
|--|--|
| Headphone Frequency Range | 20 Hz to 20 kHz |
| Headphone Output Impedance | 32 Ω to 2 kΩ |
| IR irradiance level | 4 mW/m ² per carrier |
| Angle of half-sensitivity | +/-50° |
| Headphone output level at 2.4 V | 450 mVrms (speech at maximum volume, 32 Ohm headphone) |
| Signal-to-noise ratio | >80 dB(A) |
| Mains Voltage | 65 Hz to 16kHz |
| Power Consumption | Operation: 15 mA (speech at maximum volume; with 32 Ω headphone) Standby: <1 mA |

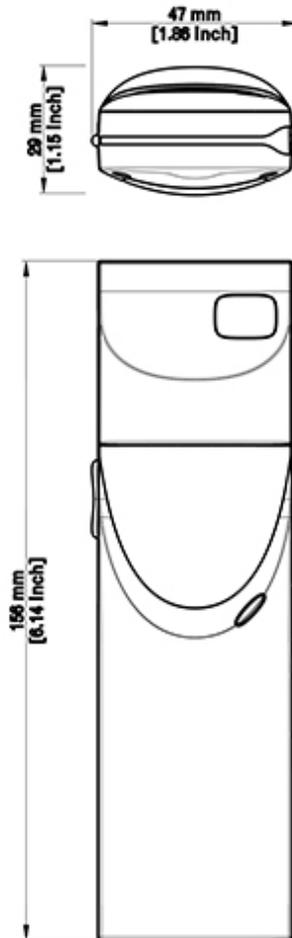
Certifications

The DCS 6000 system conforms to standard IEC 60914. The DIS Digital Infrared System fully complies with the IEC 61603-PART7, which is the industry standard for digital infra-red transmission in the 2 to 6 MHz frequency band.

How To Order

| | |
|--|----------------|
| 8-channel digital IR receiver | DR 6008 |
| 4-channel digital IR receiver | DR 6004 |
| 32-channel digital IR receiver | DR 6032 |
| Rechargeable Battery Pack for Digital Receivers 60xx | BP 6001 |
| Dynamic stereo headphones | DH 6021 |

Drawing



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