DCS 6000 Digital Conference System Digital Infrared

DR 6004
DR 6008

DR 6032

Digital Receivers
4 channels
8 channels
32 channels

The DR 60xx Digital Infrared Receivers are for use in wireless simultaneous interpretation systems in multipurpose halls, hotels, conference centres etc.

By means of invisible digital infrared light up to 32 channels can be received in digital sound quality.

The ergonomically designed receivers incorporate the latest electronics technology - including a specially designed IC - to ensure maximum performance and a long battery lifetime.

The digital receivers are also highly suitable for use for distribution of music or other applications, where sound has to be distributed wireless.

The DIS Digital IR system can transmit audio in four different quality modes:

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

The standard quality mode uses less bandwidth and can be used for transmitting speech. For music the premium quality mode gives near CD quality.

The DR 60xx features:
- Specially-designed IC for maximum performance and a long battery life time
- 2-digit LCD display with battery and reception status indication

- Number of available channels is always the same as the number of channels in use by the system, eliminating the need to scroll through unused channels
- Audio signal automatically muted when signal is too low, ensuring that the user receives only high quality audio
- No power used when headphone is disconnected
- Clip for easy wearing, placed on the front of the receiver to easily fit into a shirt pocket
- Measurement mode for easy checking of radiator coverage
- Attractive and stylish design
- Can be used with disposable batteries (2 x AA alkaline batteries) or with battery pack
- Up to 200 hours operation with alkaline batteries
- Up to 75 hours operation with battery pack
- Recharging electronics integrated in the chip, ensuring optimum charging performance
- Recharges from empty to full capacity within 1 hour and 45 minutes

The DR 60xx easily fits into one hand and is easy to operate.

The DR 60xx is designed to be used with DH 6021 stereo headphones.

How to order

Digital Receivers:	Order no:	Accessories:	Order no.:
DR 6004	14 10 58731	Headphone, DH 6021	14 11 03055
DR 6008	14 10 58741	Transportation Box	
DR 6032	14 10 58771	SB 6008/6032	13 11 05527

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Specifications

Controls:

2-digit LCD display with channel number, battery and reception status indication
On/off button
Volume control slide adjuster
Channel selection up/down buttons
Charging indicator LED

Connectors:

3.5 mm (0.14 in) stereo jack output socket for headphones
Battery contacts for use with AA alkaline batteries
Connector for use of battery packs
Charging contacts on the left-hand side of the receiver for use with charging unit

General:

Dimensions (H x W x D):	155 x 45 x 30 mm
Weight excl. batteries:	75 g
Weight incl. battery pack:	125 g
Colour:	Charcoal (black)

Electrical Characteristics:

IR irradiance level:	4 mW/m2 per carrier
Angle of half sensitivity:	+/-50 °
Headphone output level at 2.4 V:	450 mVrms
(speech at maximum volume, 32 Ohm headphone)	
Headphone output frequency range:	20 Hz to 20 kHz
Headphone output impedance:	32 Ohm to 2 kOhm
Max. signal-to-noise ratio:	80 dB(A)
Supply voltage:	1.8 to 3.6 V, nominal 2.4 V
Power consumption at 2.4 V:	15 mA
(speech at maximum volume, 32 Ohm headphone)	
Power consumption (standby):	<1 mA

**Accessories
(not supplied with the receiver):**

Battery pack (BP 6000)
Charger for battery pack (CT 6056)
for more information see Datasheet no. 6.23
AA alkaline batteries
DH 6021 Stereo Headphone
SB 6008/6032 Transportation Box

The DIS Digital Infrared System fully complies with the IEC 61603-PART7, which is the industry standard for digital infrared transmission in the 2 to 6 MHz frequency band.

Specifications are subject to change without further notice.