

Integrus Language Distribution System

The language of perfection



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Ultimate comfort in Digital Language Distribution

- Advanced digital technology for a superior listening experience
- Secure infra-red distribution
- No interference from lighting
- User-friendly selection of up to 32 channels
- Attractive, ergonomic receiver design
- Seamless integration with Bosch's DCN Conference systems

System Audio Performance

Measured from the audio input of an LBB 4502 transmitter to the headphone output of an LBB 4540 receiver

Audio frequency response : 20 Hz to 10 kHz (-3 dB)
at Standard Quality
20 Hz to 20 kHz (-3 dB)
at Premium Quality

Total harmonic distortion

at 1 kHz : < 0.05 %

Crosstalk attenuation at 1 kHz : > 80 dB

Dynamic range : > 80 dB

Weighted signal-to-noise ratio : > 80 dB(A)

Transmission Characteristics

IR transmission wavelength : 870 nm

Modulation frequency : Carriers 0 to 5; 2 to 6 MHz,
according to IEC 60603 part 7
: Carriers 6 and 7; up to 8 MHz

Protocol and

modulation technique : DQPSK, according to
IEC 60603 part 7

Superior audio quality

Bosch's Ir-Digital Technology is a digital protocol that conforms with and even exceeds IEC 61603, part 7, the industry standard for digital infrared transmission in the 2 to 6 MHz frequency band.



Cabling and System Limits

Cable type : 75 Ohm RG59

Maximum number of radiators : 30 per HF output

Maximum cable length : 900 m per HF output



Integrus components for a first-rate, reliable solution



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Receiver



- ▶ Attractive and ergonomic design
- ▶ Clear two-digit LCD display
- ▶ Battery and reception status indicator
- ▶ Integrated electronics for optimum charging performance
- ▶ Available in 4, 8 or 32 channel versions

Headphones



- ▶ Choice of style to meet every need
- ▶ Gold-plated connectors ensure superior audio quality
- ▶ Comfortable to wear and listen through

Transmitter



- ▶ Seamless integration with virtually any conference system
- ▶ Automatic synchronization of language channels when used in combination with a DCN Conference System
- ▶ Easy system configuration via display and one single rotary push button
- ▶ Available in 4, 8, 16 or 32 channel versions

Radiator



- ▶ Fan-less cooling offers silent operation
- ▶ Expandable for maximum coverage
- ▶ Available in two versions to suit venues of different sizes

Attractive and ergonomic design

Integrus receivers boast a sleek, modern and ergonomic design. The receiver's shape means it fits easily into a pocket and is comfortable to carry. The buttons are ergonomically positioned for easy use.

