

# LBB 4540 Integrus Pocket Receivers

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These ergonomically designed pocket receivers incorporate the latest electronics technology - including a specially designed IC - to ensure maximum performance and a long battery lifetime. The pocket receivers can be used for both language and music distribution.

## Functions

- Audio signal automatically muted when signal is too low, ensuring that the user receives only high quality audio
- Can be used with disposable batteries (2x AA alkaline batteries, not included) or environmentally-friendly NiMH rechargeable battery pack LBB 4550/00, (not included)
- No power used when headphone is disconnected
- Clip for easy wearing
- Measurement mode for easy checking of radiator coverage
- Attractive and stylish design
- Up to 200 hours operation with alkaline batteries
- Up to 75 hours operation with battery pack
- Recharges from empty to full capacity within 1 hour and 45 minutes

- ▶ Specially-designed IC for maximum performance and a long battery life time
- ▶ Recharging electronics integrated in the chip, ensuring optimum charging performance
- ▶ 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

## Controls and Indicators

- 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

## Interconnections

- 3.5 mm (0.14 in) stereo jack output socket for headphones
- Battery contacts for use with AA alkaline batteries
- Connector for use with LBB 4550/00 battery packs
- Charging contacts on the left-hand side of the pocket receiver for compatibility with LBB 4560 charging units

## Technical Specifications

### Electrical

IR irradiance level	4 mW/m <sup>2</sup> 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 (battery voltage)	15 mA (speech at maximum volume, 32 ohm headphone)
Power consumption (standby)	< 1 mA

### Mechanical

Dimensions (H x W x D)	155 x 45 x 30 mm (6.1 x 1.8 x 1.2 in)
Weight	
excluding battery	75 g (0.16 lb)
including battery	125 g (0.27 lb)
Color	charcoal with silver

### Ordering Information

#### LBB 4540/04 Pocket Receiver

4-channel  
Order number **LBB4540/04**

#### LBB 4540/08 Pocket Receivers

8-channel  
Order number **LBB4540/08**

#### LBB 4540/32 Pocket Receiver

32-channel  
Order number **LBB4540/32**

### Accessories

#### LBB 4550/00 NiMH Battery Pack

Battery pack for pocket receivers.  
Order number **LBB4550/00**

#### LBB 4560/00 Charging Case

for portable use  
Order number **LBB4560/00**

#### LBB 4560/50 Charging Cabinet

for fixed installation  
Order number **LBB4650/50**

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