



# LBB 4540 Pocket Receivers



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

## 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

- ▶ **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**

- 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 receiver for compatibility with LBB 4560 charging units\*

\* LBB 3406, 3407, 3408 and 3409 charging units are electronically incompatible with LBB 4540 Pocket Receivers, and can actually damage them. The charging contacts on LBB 4540 Pocket Receivers and LBB 4560 Charging Units have deliberately been located on the left-hand side, which is a different position than found on the mentioned charging units. The battery pack and disposable batteries are not included.

## 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

<b>LBB 4540/04 Pocket Receiver</b> 4-channel	<b>LBB4540/04</b>
<b>LBB 4540/08 Pocket Receivers</b> 8-channel	<b>LBB4540/08</b>
<b>LBB 4540/32 Pocket Receiver</b> 32-channel	<b>LBB4540/32</b>

### Accessories

<b>INT-FCRX Storage Case</b> For 100 LBB 4540 Pocket Receivers	<b>INT-FCRX</b>
<b>LBB 4560/00 Charging Case</b> for portable use	<b>LBB4560/00</b>
<b>LBB 4560/50 Charging Cabinet</b> for fixed installation	<b>LBB4650/50</b>
<b>LBB 4550/00 NiMH Battery Pack</b> Battery pack for pocket receivers.	<b>LBB4550/00</b>

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