

Complements

EM Tiny

Model B21 1120/2240/4480/8960/17920

Specifications

| | |
|--|---|
| Dimensions | 40x8x15 mm |
| Weight | 6 g |
| Recording mode | mono |
| Operating temperature | 0-40°C (32-104°F) |
| Recording time (sampling rate 8 k Hz, without compression) | |
| alkaline batteries | up to 10 hours |
| zinc-air batteries | up to 60 hours |
| Recording time (VAS mode, when audio signal below the threshold) | |
| alkaline battery | up to 40 hours |
| zinc-air battery | up to 240 hours |
| Battery life in stand-by mode | 2 months |
| Case | plastic case |
| Power supply | one battery 1.5 V 11.6x5.4 mm (AG13, LR44, PR44, ZA675) |

Package Content

Voice recorder
USB cable
Two external microphones
CD with drivers and programs
User manual
Two batteries (AG13 and A675, d 11.6x5.4 mm)



Description

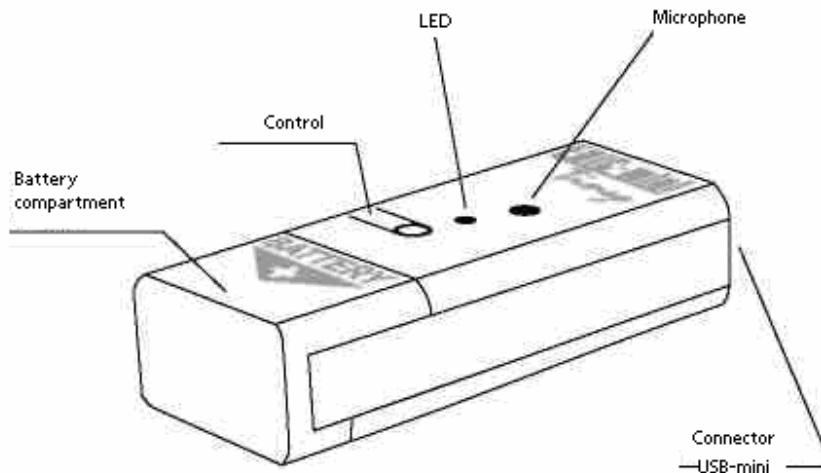


Figure 1

Battery Installation (Turning on the Recorder)

Attention! Install a battery the same way as it is shown in Figure 2 (its positive terminal to the front side of the recorder); or the recorder could be damaged.

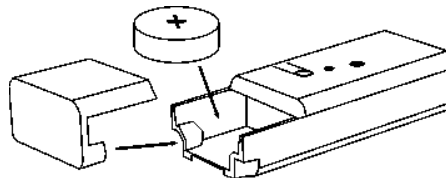


Figure 2

After you installed the battery, hold the recorder's control button pressed during 1-2 seconds. If the LED flashes three times, the recorder starts self testing that takes 5-10 seconds. (If the LED doesn't flash three times, the battery is uncharged or damaged.) Then the recorder flashes the fourth time and is ready for recording. Duration of the last flash can be some dozens of seconds and depends on the recorder's memory capacity.



To estimate recording time of the recorder in different modes, use the table (for alkaline battery)

Consumption current in different modes at $U_{\text{consumption}}=1,5\text{V}$.

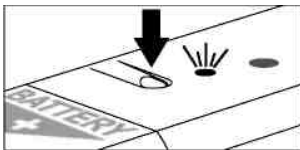
| | 5,5kHz | 8kHz | 11kHz | 16kHz | 22kHz |
|---------------------|--------|------------|-------|-------|-------|
| Without compression | 11,7h | 10h | 8,8h | 6,7h | 5,9h |
| μ -Law | 10,9h | 9,2h | 6,7h | 6h | 4,5h |
| 4-bytes ADPCM | 10,4h | 8,2h | 6,7h | 5,4h | 4,1h |
| 2-bytes ADPCM | 10,6h | 8,9h | 6,9h | 5,7h | 4,2h |

To get these ratings, use the batteries of the known brand names.

Using zinc-air batteries, remember that they have restrictions:

- Operating temperature not low than 10 °C (50 F)
- If you removed the battery's protective sticker, start using the battery (after activating, its shelf life is not longer than a month).
- To use fully this battery's capacity, avoid modes with the high consumption current (top part of the table)

Turning on/off Recording



To start or stop recording, hold the control button pressed during 2 seconds until the LED lights up.

The LED blinking sequences indicate a rechargeable battery status and available memory. The first sequence indicates a battery status: one flash – fully charged, two flashes – enough for work, and three flashes – should be changed as soon as possible. The second blinking sequence indicates the amount of memory available: one flash – 75-100%, two flashes -51-75%, three flashes – 25-50%, and 4 flashes – 1-25%.



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The Manufactory Warranty Coupon

Warranty: Manufactory Warranty 1 year from a selling date, but not more than 2 years from a date of manufacturing.

This warranty is voided if:

- Mishandling
- Improper use
- A product received without supplier warranty tag on this document
- Mechanical damaged

All questions regarding of product's exchange and its return have to be solved with the seller's company according to Protection of Consumers Law.

Audio Recorder: EM Tiny S

Models:

B-21-1120

B-21-4480

B-21-17920

B-21-2240

B-21-8960

Number:

QC:

Selling date:

Seller:

Address:

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