BATSCANNER

The BATSCANNER converts the ultrasonic bat calls into an audible frequency with the „mixer“ principle (heterodyne). What makes the BATSCANNER unique is that the mixing frequency is adjusted and displayed automatically for the detected bat species. Thus, the different bat species can be heard without manual tuning and its main frequency can be seen easily.

For more information go to **www.batscanner.ch**

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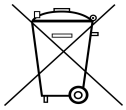
Batteries:



For the operation 3 x 1.5 V AAA Alkaline batteries (LR03) are placed in the battery compartment on the back of the BATSCANNER. (Note the polarity when inserting batteries). Old or defective batteries must be removed and disposed properly. Depending on the battery type an operation of about 20 – 25 hours is reached. Batteries (rechargeable) 3 x 1.2 V with the same size can also be used. Empty batteries are briefly displayed with “Lo” and “bAt” on switch on.

Warning: The microphone and the speaker (openings) as well as the entire BATSCANNER must be protected from rain and generally from liquids and harsh environmental influences.

Sensitivity: Indoors, in cars, near electronic devices or close to surfaces, etc. at high volume a feedback loop through the speaker can occur. This is expressed in whistling noise. Because of the automatic frequency adjustment of the BATSCANNER such effects can not be suppressed completely without reducing the sensitivity. Remedy: use in “free” environment (distance from obstacles) and possibly take back the volume or use headphones.

Power on:
Press the ⏻ -button shortly to power on the BATSCANNER. It briefly shows “On” on the display, followed by “Lo” and “bAt” if the batteries are empty. Then the BATSCANNER start at 48 kHz in the receive mode.

Microphone:
The microphone is mounted inside the device.

Headphones:
3,5mm Jack for standard headphones. When plugged in the speaker is muted.

Display:
The display shows the detected frequency of the bat in kHz and the internal mixer is set to this frequency.
This setting is hold for at least 1 sec and then after a new detection renewed.

Set frequency:
During operation a short press of the ⏻ -button, sets the frequency to 48 kHz. Then the BATSCANNER works automatically again.

Volume:
The volume can be regulated from 0 to 5 with the 🔉 -button and the 🔊 -button. At 0 speaker and headphones are muted. Default volume is 3.

Power off:
When pressing the ⏻ - butoon for about 2 seconds “OFF” appears in the display. When releasing the button the BATSCANNER turns off.
After half an hour without any button press, the BATSCANNER truns off automatically.

Speaker:
When no headphones are plugged in the converted bat calls are played through the speaker.

Dimensions	LxWxH, weight	65 x 120 x 27 mm, 145 g
Power supply	supply	3 x 1,5 V Batteries Type AAA (LR03)
	Operation time	approx. 20 - 25 h
Audio	Converter	Mixer (Digital heterodyne), with automatic adjustment
	Frequency range	15 - 120 kHz
	Microphone	Electret, receiving angle >120°
	Speaker	Range: approx. 300 – 10'000 Hz.
	Audio jack	Headphones (3.5mm Jack)
Display	7-Segment LED	green, 3 digits, 10 mm