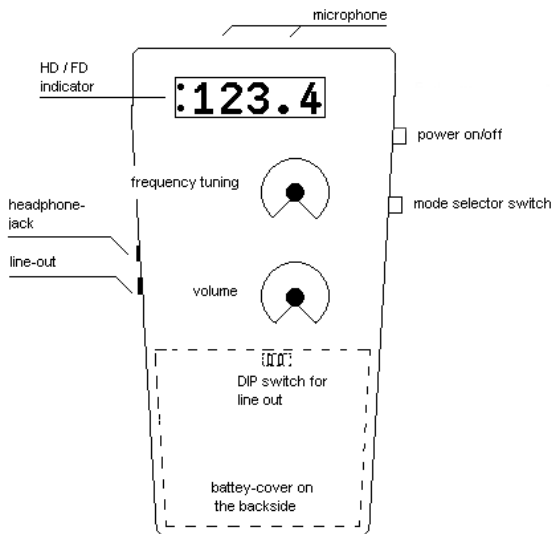


Instructionmanual

CDB 301



Introduction:

Thank you for buying the CDB 301 HD/FD – bat detector. Because of the modern SMT-technics and design it is very handy and easy to use. The case of the detector is made of solid plastics. Make sure that you protect the bat detector against wetness. The time of warranty is 24 month from date of purchase. We hope that you enjoy the observation of bats with your detector.

Included in delivery:

The CDB 301 is shipped with a lightweight headphone. A battery is not included in the package. For operation you need a standard 9V battery. Please use only alkaline batteries or rechargeable accumulators.

Inserting the battery:

Please open the battery-cover at the backside. Connect the battery clip with the battery and inserting it. Close the battery-cover. You can leave the battery in the detector. Please remove the battery, if the detector is unused for a longer time (for example: winter), so you are inheriting damage by leaking battery.

Operation and function test:

Connect the headphone with the phone-jack at the left side of the detector. The detector is switched on with the upper switch on the right side. With the volume-regulator you can change the volume. By rubbing fingers near the microphone, you will hear a noticeable noise.

Frequency tuning:

With the tuning knob you are able to adjust the frequency from about 18 KHz up to 120 KHz. You can watch the adjusted frequency on the scale.

Switching between HD and FD mode:

With the mode switch you are able to change from FD both channels, HD left channel and FD right channel, FD left channel and HD right channel and both channels HD. The mode will be shown by the two LED at left side of the display (LED on = HD mode).

Adjusting line-out level:

With the little DIP-switch in the battery case, you can adjust the line out level. In the on position the level is about 400 mV, in the off position 800 mV.

Here are some samples of species can be heard

Nyctalus noctula	ca. 21 kHz
Eptesicus serotinus	ca. 28 kHz
Eptesicus nilsoni	ca. 30 kHz
Pipistrellus nathusii	ca. 38 - 40 kHz
Pipistrellus pipistrellus	ca. 45 kHz

Technical data:

Principle	Heterodyn and Frequency div.
Frequency-range	18 KHz - ~ 120 KHz
Display connections	LED-Display 4 digit Headphone 3,5mm and Line-out 3,5 mm stereo Headphone
Headphone Amplifier	ca. 1 W stereo amplifier
Mikrophone	Backelektret microphone
Cutoff frequency	ca. +/- 5 KHz
Current consumption	35-45mA
Battery	9V
Dimensions	ca. 170 x 75 x 35 mm
Weight	ca. 230 g

Troubleshooting and warranty:

If your CDB 301 is not working correctly, then check the battery first. Is the detector still not working after replacing, please send the faulty detector back.

Ciel-electronique

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In the time of warranty (24 month from date of purchase), the detector is being repaired free of charge. The warranty is void, if the seal is broken and/or the case is damaged. Feel free to contact us also after warranty.