

SSF-BAT2 Spare microphone

How to preserve and recover the microphone's function

The microphone is a special ultrasonic sound sensor, made with MEMS technology. Because of the highly sensitive technology the microphone is sensitive against humidity. Therefore, by fog, rain or condensed water the sensitivity can decrease massively. Please, do not blow into the microphone. Particles from cigarette smoke can damage the microphone permanently.

In most cases the normal function is restored by the next day. Please, keep the device in a clean and dry place, for example in a dry wooden box. Adding a package of silica gel can be useful. Please, do not try to dry with excessive warmth, like using an oven, microwave, hairdryer or heater.

How to exchange the microphone yourself or make use of the service

If the microphone does not regain its normal function after several days, possibly chalk, salt or dirt particles have accumulated in the microphone. In these cases the problem can be fixed only by the exchange of the microphone.

With newer SSF-BAT2 devices whose serial numbers end with "S" or are marked with a green dot (the serial number is in the battery compartment), the microphone is now a plug-in device and can easily be exchanged by the customer. Spare microphones can be ordered at www.all-about-bats.net or via email: bestellung@all-about-bats.net.

You can find the current price on www.all-about-bats.net.

Older devices must be sent in for microphone exchange to the company

Microelectronic Volkmann
In der Gebhardsösch 9
78467 Konstanz
www.mekv.de
info@mekv.de

In this case there is a service charge of 15.00 € plus shipping costs. The service includes a plug-in for easy microphone exchange, firmware-update and an additional hand strap. The quoted prices include the legal German VAT.

Instructions for a microphone exchange



Figure 1

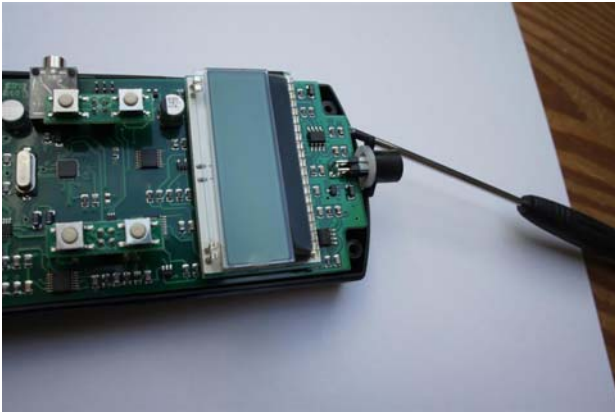
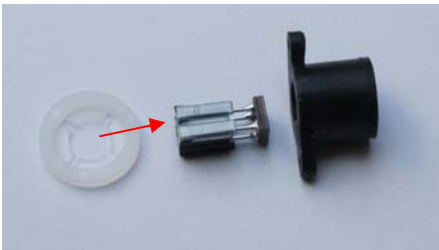


Figure 2



CAUTION:

The work is done at your own risk. Success can not be guaranteed. If you don't feel confident with this, please send in the detector for repairs.

Step by step:

You need the following tools:

- 1 small Phillips head screwdriver
- 1 flat head screwdriver

Remove batteries before attempting the repair.

Please use the Phillips head screwdriver to remove the 4 screws of the casing (Figure 1).

Caution: Be careful with the sensitive electronics when opening the case and working on the microphone.

The microphone is to be protected from pressure, dirt and moisture. Do not touch the front of the microphone!

Use the flat head screwdriver to cautiously lift the circuit board, as shown in Fig. 2 (The circuit board is held by an adhesive strip).

The microphone can now be pulled out to the front.

Caution: Do not bend the pins.

You need the white plastic disc and the rubber sleeve of the old microphone. These are attached to the new microphone as follows: Begin with the disc. Fit the flat side of the disc from the left onto the microphone, so that there is about 2 mm of space between the left edge and the plastic disc. Now, from the right, slip the rubber sleeve on the microphone. Caution: Please do not touch the microphone's front!

After preparing the microphone like this, you can insert the microphone into the receptacle on the circuit board again. The white marking has to face the top.

Caution:

Please take care when working with the microphone as it is sensitive to pressure, dirt and moisture and has to be protected from those. Don't touch the microphone's front!