

Repair Manual

to restore power supply of the sound module Ketron SD1000 from USB port

(Fault cause: contact failure of an internal switch (pins 2 and 3). See the last page of the instructions (a drawing of the power socket DJK-02A).

CAUTION! SD1000 this device is sensitive to electrostatic discharge which can be damaged by common static charges which build up on people, tools, and even non-conductors materials (Insulators). Please make enough tool and equipment earthed when you handle.

To begin disassembly, disconnect all signal wires and power supply, locate the four screws on the left and right sides.



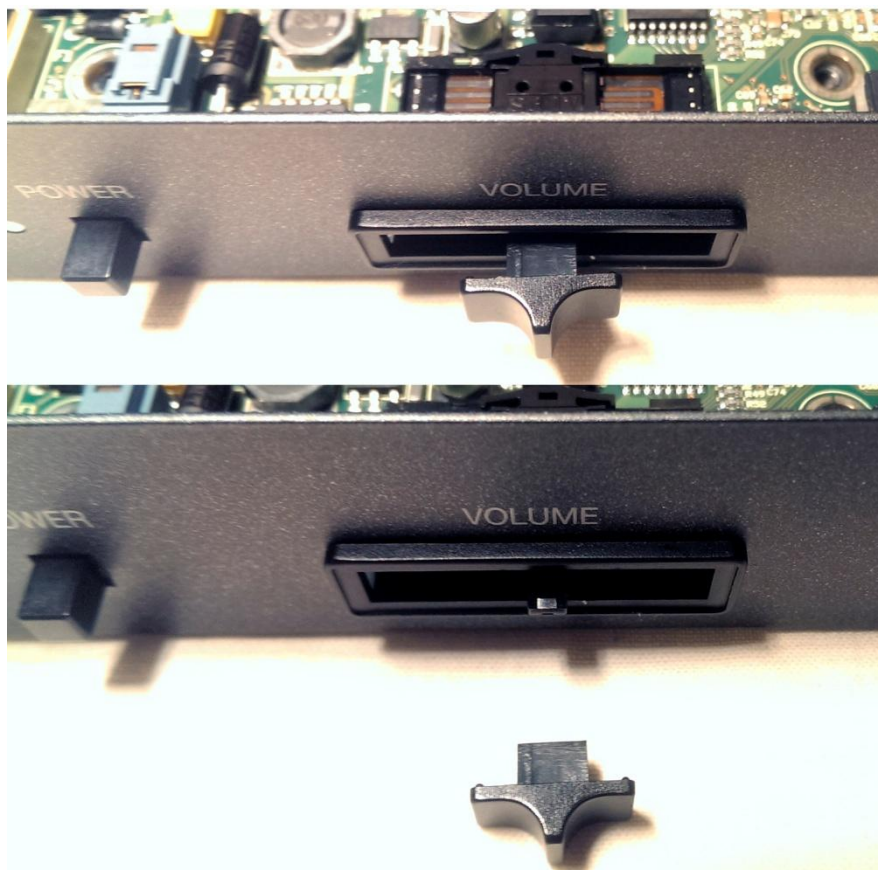
1. Remove the screws with the Hexalobular driver bits. Use T8 Torx Bit (0,090"=> 2,31 mm) for screwdriver.



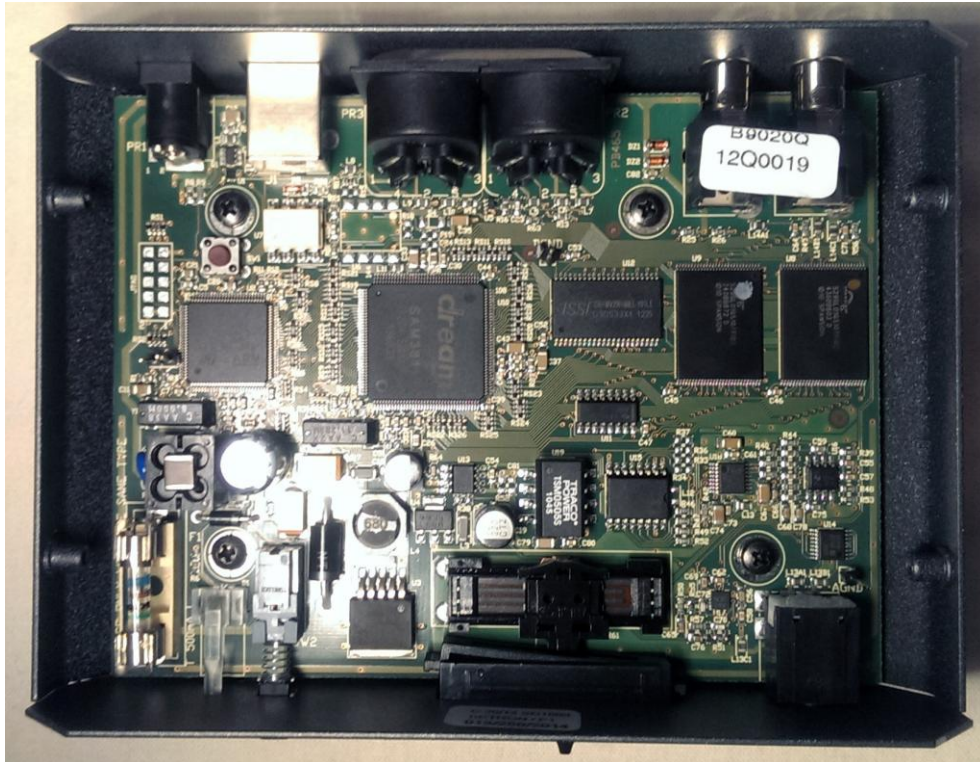
2. Remove the top cover SD1000.



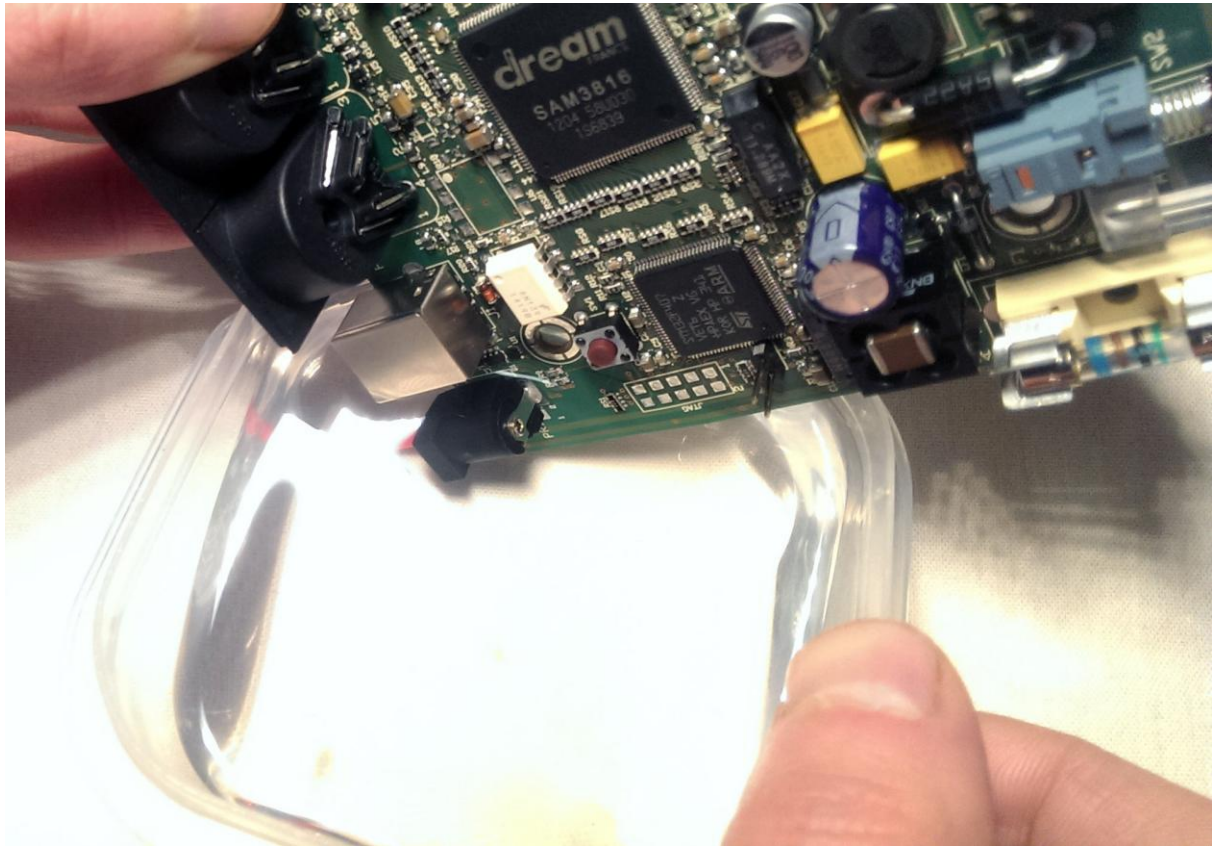
3. Then using some force pull the volume knob and separate it from stem of the slider.



4. Remove the four black screws that secure the circuit board (PCB) to chassis (Use PH1 Phillips Bit for screwdriver) and carefully remove the Board.



5. Pour into a suitable container of ethyl or isopropyl alcohol (if possible, you can use liquid Cleaners/Defluxing for PCB). Immerse in the alcohol corner part of the Board, where the socket external power supply 9VDC (the liquid level should be such that the power socket was fully recessed). It is necessary to hold the Board in alcohol, and after 5 minutes rinse it slightly.



6. Remove from liquid, allow to drain the alcohol out of the socket several times to plug and unplug (to and fro) power supply connector. Repeat the procedure 2-3 times, but with less dwell time of the PCB in alcohol.

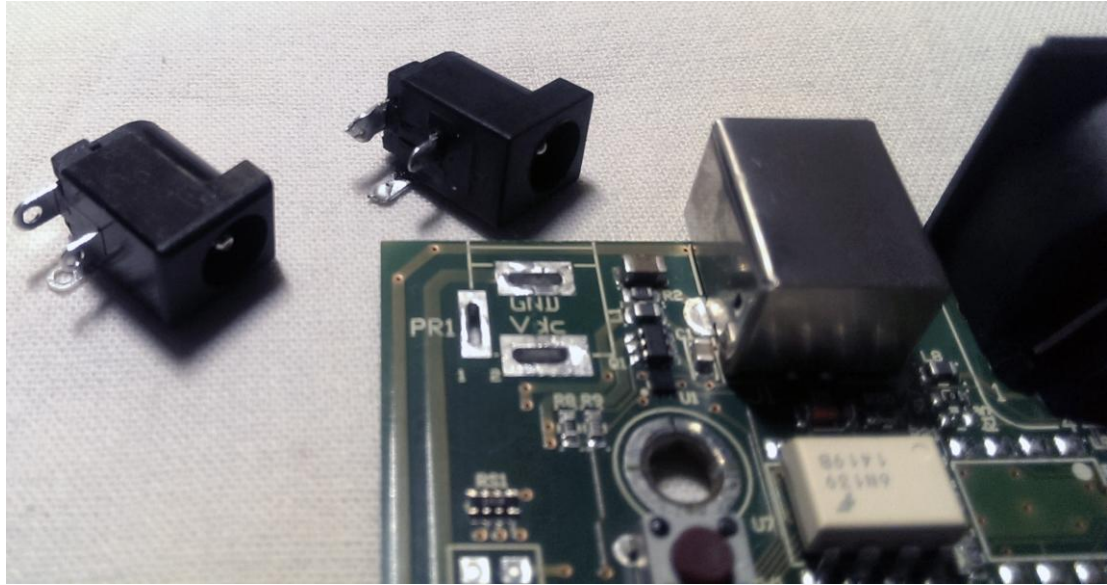
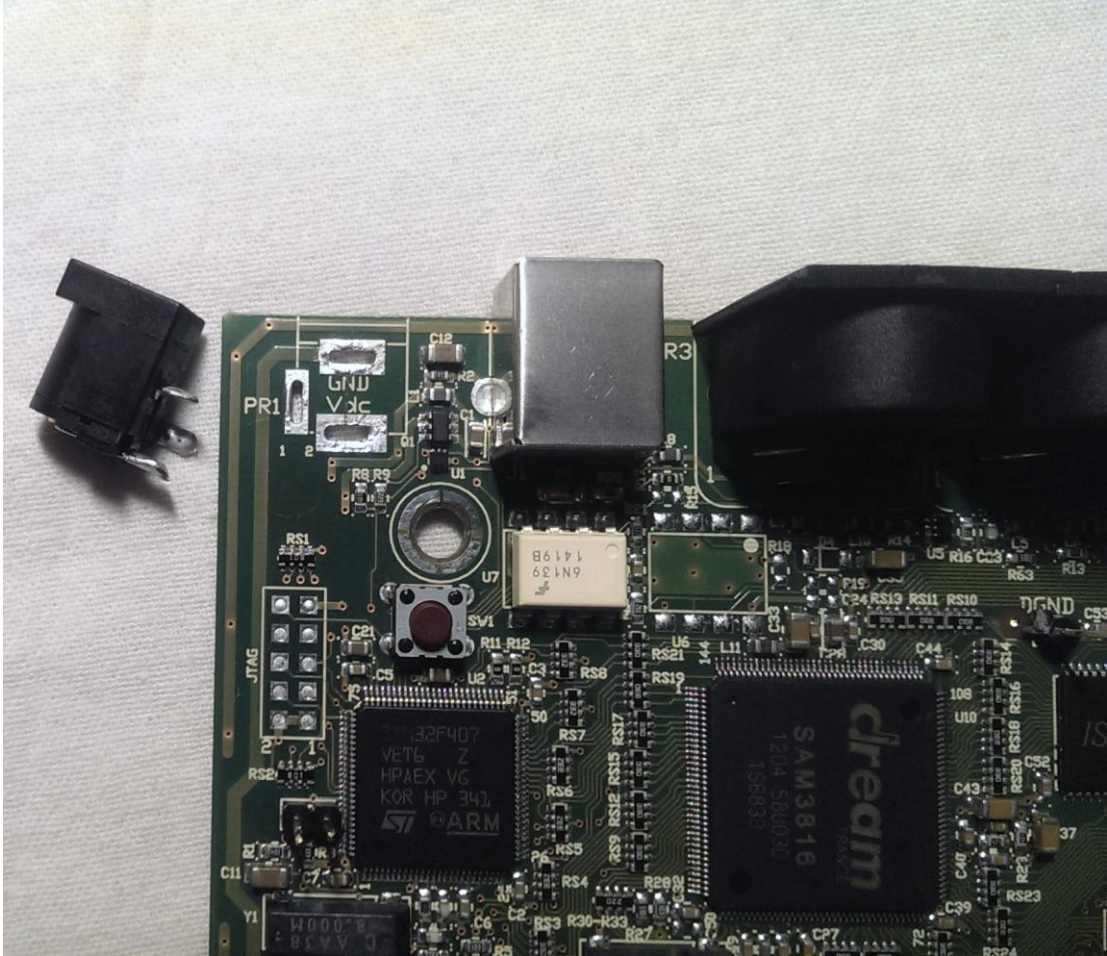
Allow to fully evaporate the alcohol out of the socket, in addition it would be appropriate to use a can of compressed air. You can then proceed to reassemble the device...

7. To reassemble your device, follow these instructions in reverse order, see 4 through 1.

Important advice!

This method of Troubleshooting the power supply from USB, does not guarantee against the recurrence of defect. The best solution is to replace of the Power socket 5.5x2.1 mm on similar, but higher quality. See below =>

Photo for sample:



DC Power Jack Socket 3015 3-pin (connector 5.5x2.1mm), other designation: K375A, DJK-02A

Схема DJK-02A

