SD2IEC Installation manual

retro-cloud.eu
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Description

The SD2IEC is a mass storage device using an SD/MMC card and interfacing with the IEC bus. It is based on the ATmega644 microcontroller from the Atmel AVR microcontroller family. The most prominent use of SD2IEC is a replacement of a Commodore-1541 disk drive for a C64. The hardware and the microcontroller sd2iec firmware are available as open source (GPL).

Supports JiffyDos, GEOS, Final Cartridge III, Epyx Fastload and other fastloaders

Board layout has been redesigned and is now full SMT.
Assembly requires minimum soldering skills.

This is external version of this famous device and is powered by a standard USB phone charger that everyone has at home nowadays. You can use any USB mobile phone charger that outputs 5V and has a micro USB plug.

SD2IEC devices sold by other manufacturers draw power from USER or JOY ports effectivly blocking them in effect. You will not have this problem with USB powered SD2IEC.

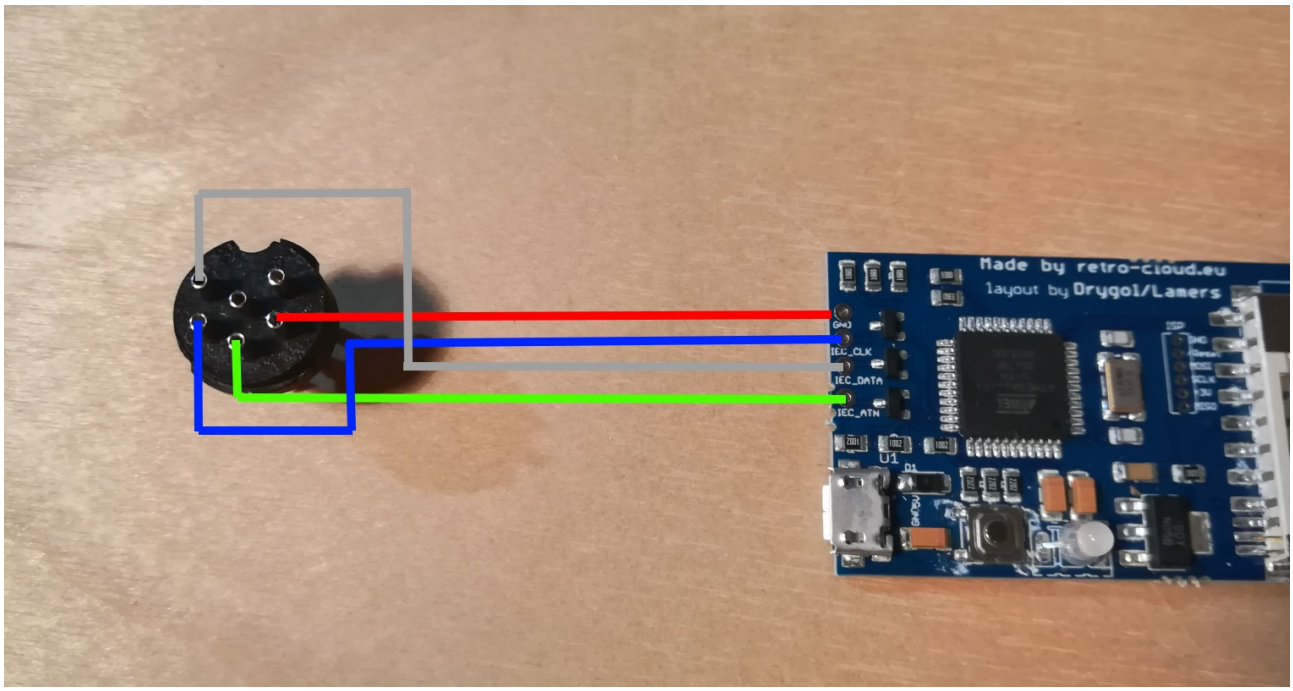
Package contains:

SD2IEC – external version
DIN6, a piece of ribbon wire and a shrinkwrap

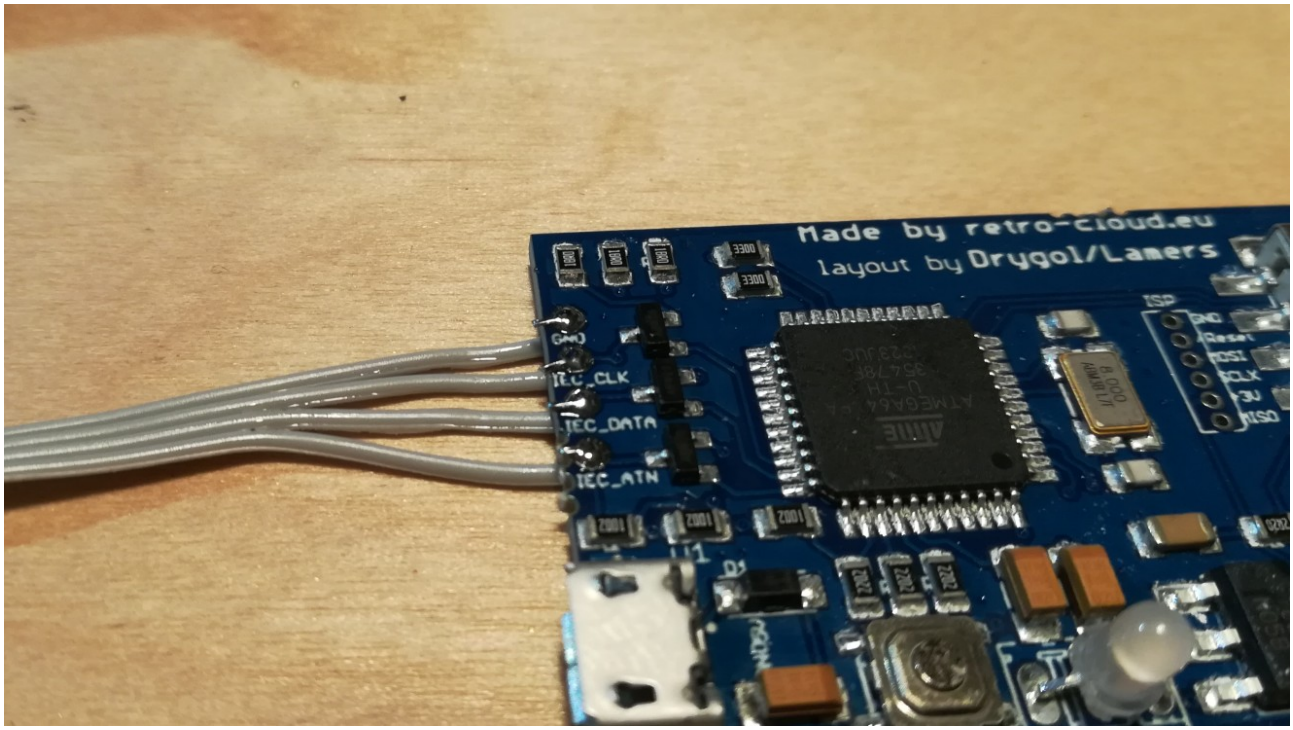
In order to connect SD2IEC do a DIN6 plug, you will need four wires.

Four wires should be soldered to SD2IEC PCB on the one end → CLK, DAT, ATN, GND

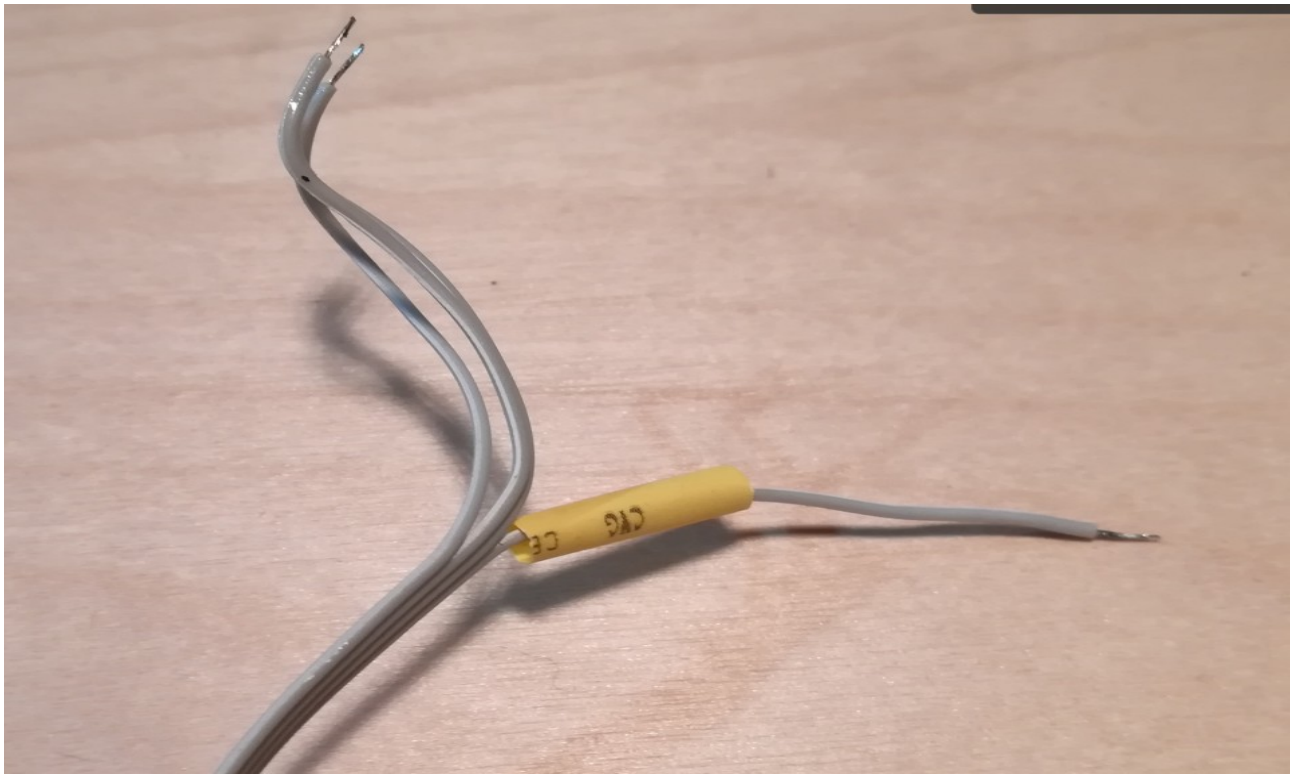
and on the other end to a DIN6 plug.



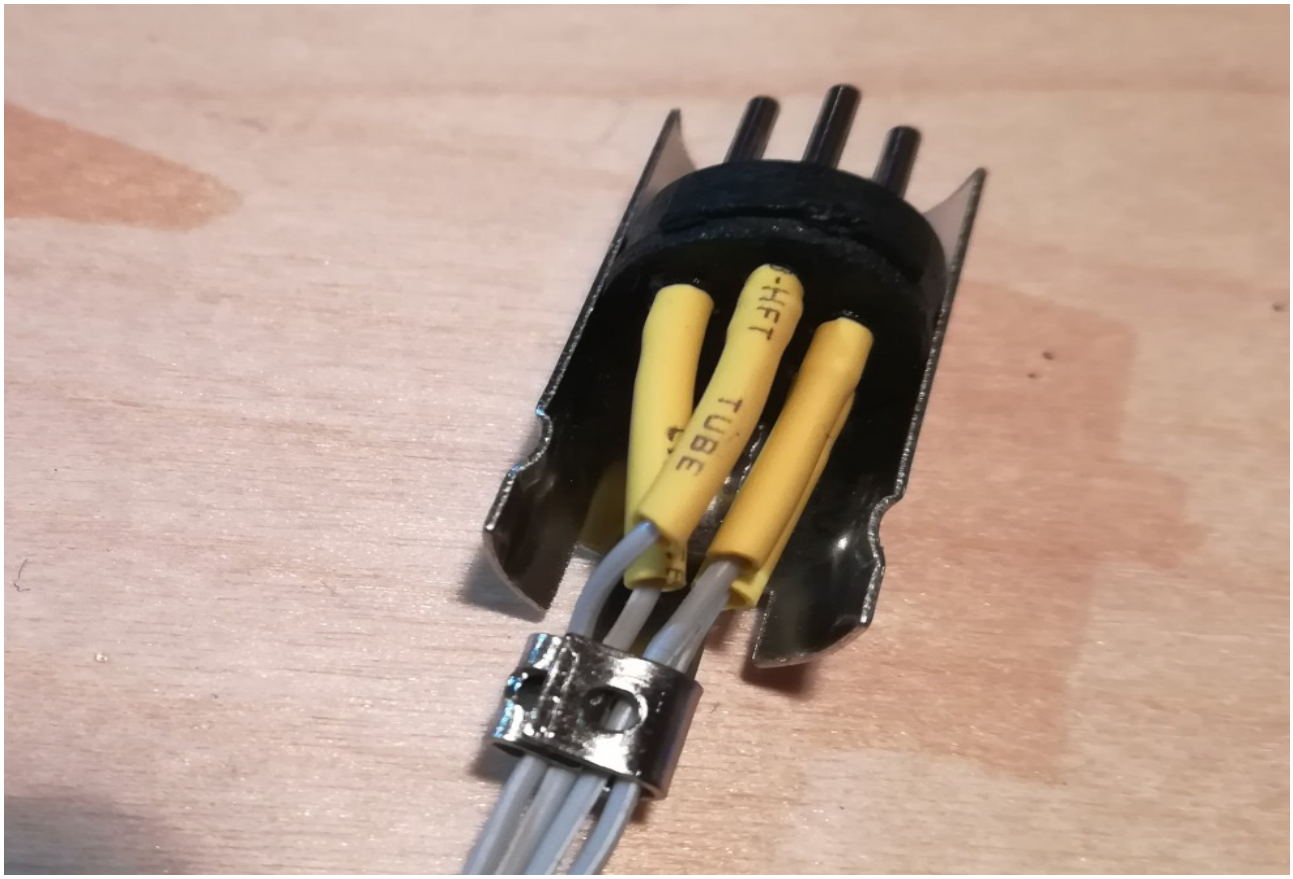
1. Solder four wires to a PCB



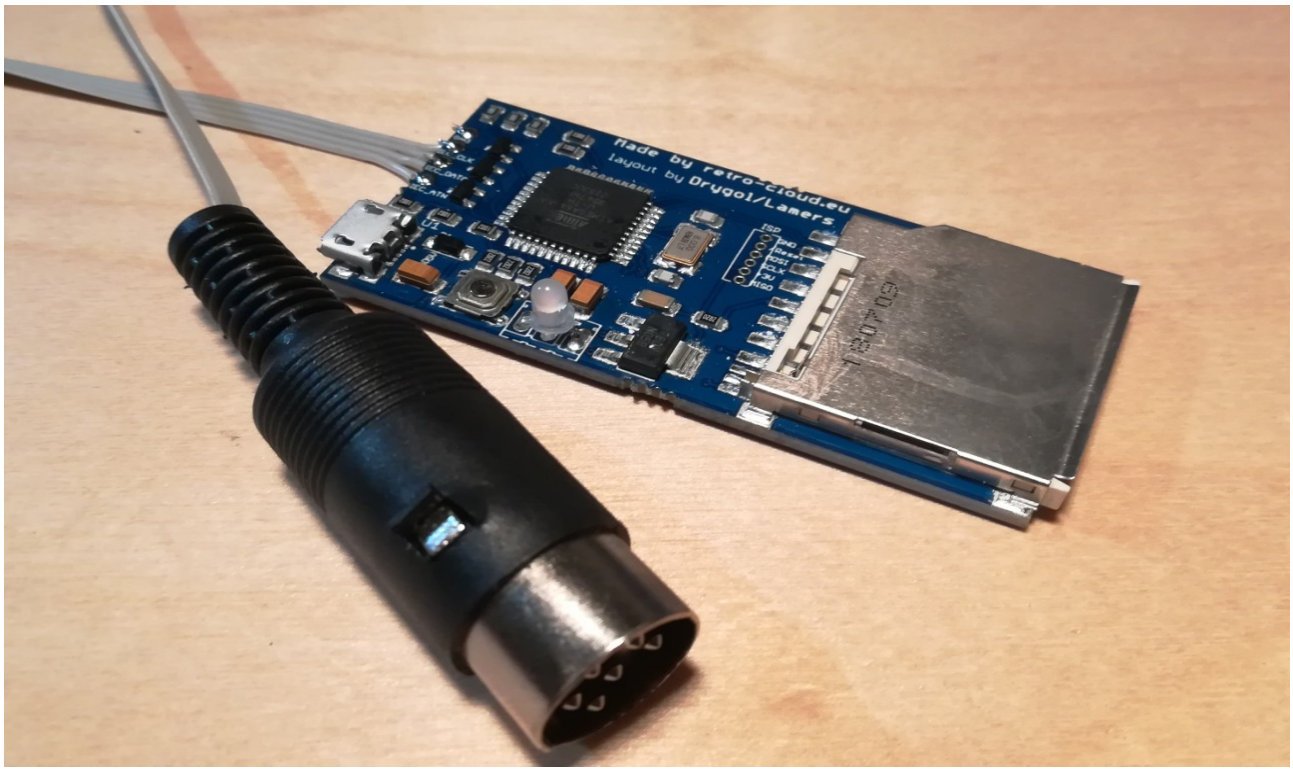
2. Prepare the other end of wire and put plug cover



3. Solder all wires to a DIN6 plug according to wiring diagram and secure pins with shrink wrap.



4. Assemble a plug and test the device.



For mounting examples please refer to:

https://www.retrohax.net/sd2iec-revisited/

https://www.retrohax.net/c64-sd2iec/

https://www.retrohax.net/various-hax-part-four/

Happy loading :)