

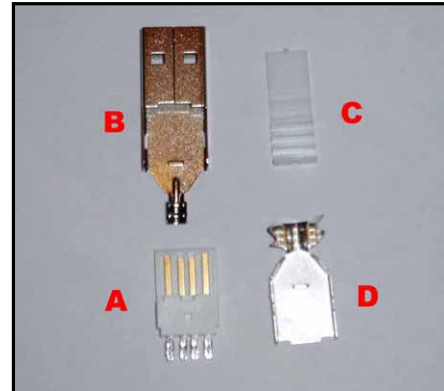
USB Multi Charger Kit- Assembly Instructions

Kit contents:

- 1x connector pins (A)
- 1x connector base (B)
- 1x plastic pin cover (C)
- 1x connector cover/wire clip (D)

What you need:

- 1x GameBoy SP or Nintendo DS battery charger AC adapter
- Soldering Iron
- Wire cutter/stripper



Step 1:

Take one last look at your battery charger, it's time to hack and turn it into something cool. Cut the wire of the AC adapter to whatever length you want. You will be using the end of the cable with the GameBoy connector on it, not the wall plug, so cut according to that length. There should be two smaller wires inside. Strip about 2 cm off the outer wire without cutting the inner ones. Strip both inner wires about 0.5 cm so that the copper is exposed. If only one wire is insulated (see pic), then simply twist the copper wires of the non-insulated wire together.

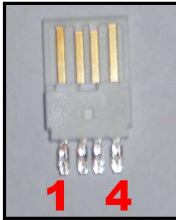


Step 2:

The two wires correspond to **power (+)** and **ground (-)**. The colour of the wires, whether they are insulated or not may depend on different chargers and brands. Here are two ways to find out which is which:

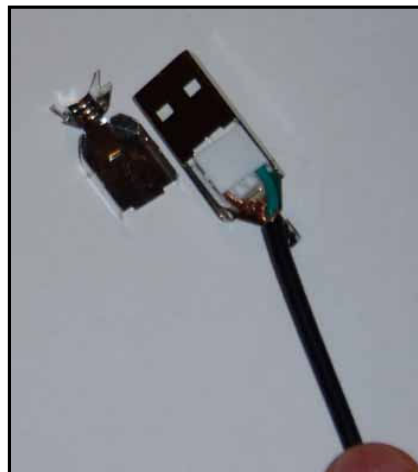
- 1) If only one wire is insulated (covered in plastic), it is the power.
- 2) If both wires are insulated, a black one usually denotes the ground wire while a red one denotes the power wire.

Once you've figured out which wire is which, solder the **power (+)** wire to pin 1 of the connector, and the **ground (-)** to pin 4. Cut off the two middle pins to make sure there is no potential short circuit.



Step 3:

Take the plastic pin cover, put it over the pins and bend it until it snaps into a rectangular box sort of shape over the pins. This piece is not necessary, but just separates and adds firmness to the soldered wires. Slide the whole assembly (soldered pins + pin cover) into the connector base.

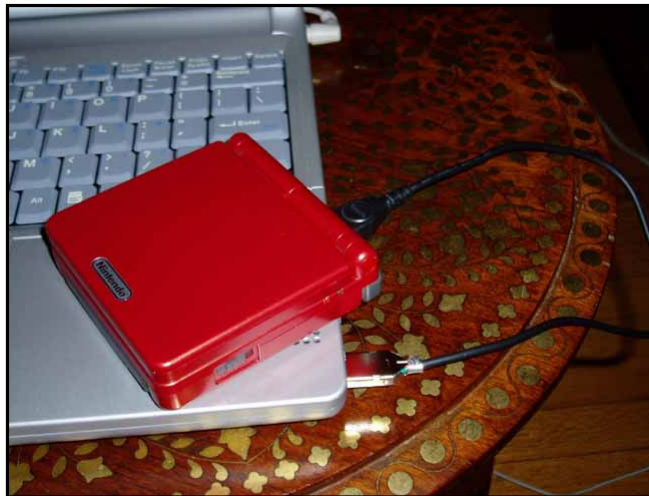


Step 4:

Take the connector cover and place it over the exposed section of the assembly and press it in. There are small clips on the side of the cover that clip into the base, make sure it clips in and the connector is firmly assembled. Bend the “teeth” of the cover over the wire so the wire is now firmly attached to the entire connector.



You're done! Wasn't that easy? Now you can plug your GameBoy SP or Nintendo DS into your computer USB port to charge.



Troubleshooting (not powering on):

- 1) In the connector, make sure that the two wires are properly connected to the pins.
- 2) Make sure the two wires are not touching each other or any other pins in the connector.
- 3) If you weren't sure which pin was power (+) or ground (-), try connecting them to the opposite pins, you may have gotten it wrong the first time.