# GAMEBOY COLOR LCD Replacement MOD REV1.1 Quick Guide

ATTENTION ! Installing the LCD replacement is at your own risk! Your GAMEBOY COLOR could be damaged if you are not able to do this modification! **Liability impossible!**

Required materials:
The GBC mod kit is just plug & play! (except little modification of the case)

Optional materials:
6 pin connector for VGA connection and SPST switch for output selection

Cut the plastic carefully
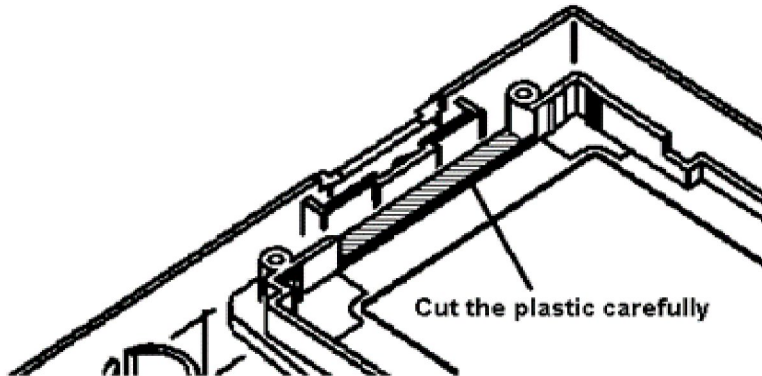
You need to cut a little bit of the case near the power switch (see picture).
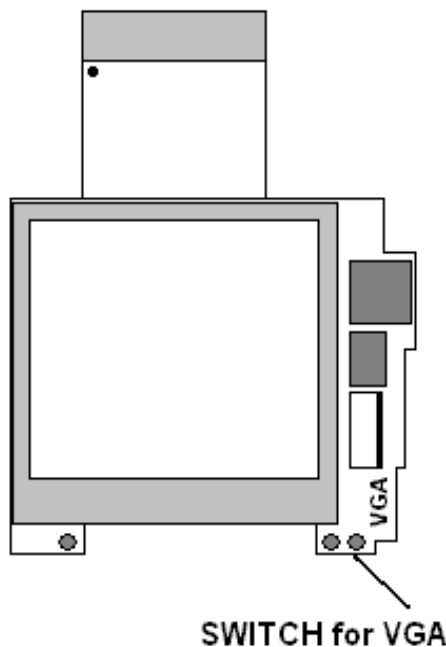
Please be careful!

Optional VGA out feature

ATTENTION !

The maximum temperature of the soldering iron is **280°C / 540°F** and should not exceeded. Otherwise the solder pads of the GBC mod kit will be damaged!

If you want to connect your GAMEBOY COLOR to a monitor or FlatTV, solder 5 wires in the **VGA area (H + V + RGB)** of the GBC mod kit to a suitable connector, and solder also 1 wire from GND of the GBC mainboard to the connector.

VGA

SWITCH for VGA

To select between internal LCD or VGA output, connect a switch at the **lower right pad** of the GBC mod kit: **VCC 3.3V** (logic '1') is internal LCD and **GND** (logic '0') is VGA.

McWill USB charger for GAMEBOY COLOR
Quick Guide

ATTENTION ! Installing the USB charger is at your own risk! Your GAMEBOY COLOR could be damaged if you are not able to do this modification! **Liability impossible!**
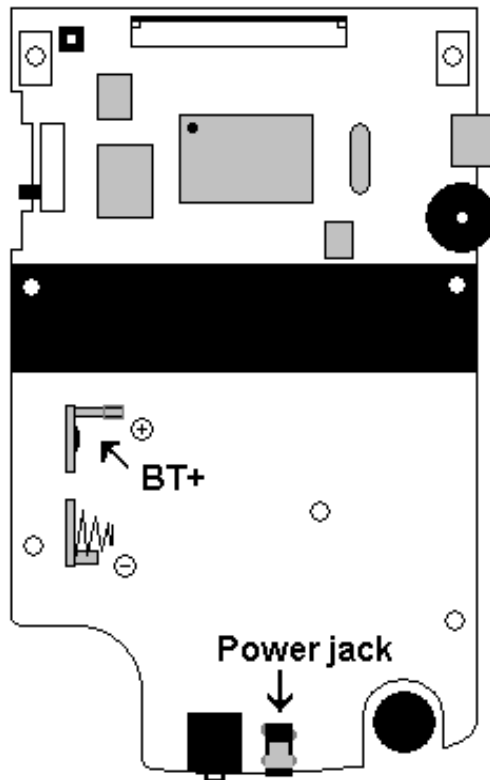
Required materials:
USB charger mod kit, 4 pin header (included), 4mm (0.1575 inch) drill
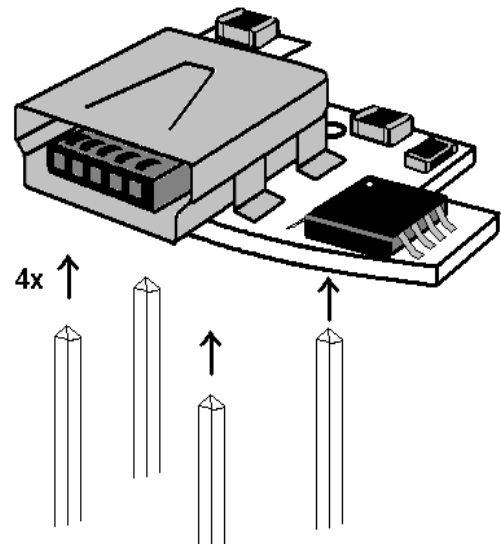
CAUTION

ATTENTION !

The maximum temperature of the soldering iron is **280°C / 540°F** and should not exceeded. Otherwise your GBC or USB charger PCB will be damaged!

1. ! IMPORTANT ! Remove the **battery clip BT+**

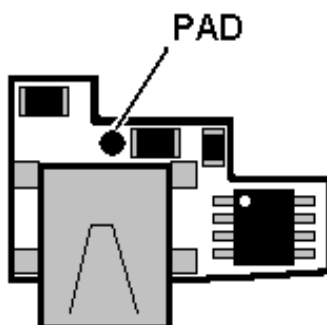**2.** Then remove the **power jack.**

3. Use the 4 single pins of the pin header and solder them to the USB charger PCB (don't use too much solder!)

BT+

Power jack

4x

After soldering the pins to the USB charger PCB, you can put the USB charger PCB into the existing holes of the GBC power jack and solder them.

Now you can use a **4mm (0.1575 inch)** drill to mod the case for the new USB connector.

PAD

Finally solder 1 wire from the **PAD** of the USB charger PCB to the **battery clip** inside the **lower case**.

After assembling the GBC you can use any LiPo battery in the size **14500**. But I recommend LiPo batteries with protection circuit, because the LiPo battery will last longer then (only **1** battery is needed).

For charging your GBC you can use any USB 5 Volt charger with **Mini USB connector**.

For example: With a LiPo 14500 battery with 1300 mA you can play about 8 - 10 hours depending of sound.