Step 1. You should have these parts.

Step 2. Solder on the primary capacitors.

Step 3. Solder on the electrolytic capacitors. Watch out for voltage rating and polarity!

Should look like this

Step 4. Mount the metal spacers. Use the 6mm (not 8mm!) long nylon spacer as the screw. Only mount these three corners for now.

The missing spacer acts as an electrical connector. Thus it has to make good contact. Use a file to remove the coating on both ends.

Step 5. Solder on the X760 connector to the mainboard. Make sure it is centered on the pads and press it down while soldering to make sure it doesn't move.

Now plug in the other half of the X760.

Step 6. Place this coil on the mainboard by plugging the pins of the X760 into the pads. Make sure the pins are in the correct pads to avoid the mainboard. If you never happen to need to remove the connector, be very careful to not bend the pins because the X760 force only is the connector and the X760 since the Cwh Fats are very sensitive to bending.

Screw down the coil using the 8mm nylon spacers.

Step 7. Solder on the X760 connector to the mainboard.

Do not touch the solder joint and wire in tape.

Step 8. For this step you need Kapton tape. Do not use any other sort of tape since only Kapton has the required dielectric strength.

Place some tape on the upper coil pcb. Make sure the tape covers the pins and the solder joints. This solder joint can be as pretty as possible. It has to be perfectly round.

Cover the solder joint and wire in tape.

Step 9. Prepare the surface of the lower coil pcb.

This is again to add isolation for the wire we will now solder on to the middle of the pcb.

This can be a bit tricky. Again, try to make the solder joint beautiful.

And again cover in tape.

That's it! Now grab some wire(e.g. one of the leads from the capacitors you soldered in earlier) and cut one end of an angle to make it sharp. Plug it into the IC socket contact.

Connect USB, play some MIDI music, and have fun!

Dos and Don'ts

Do use a high quality USB cable. If the beats coil stops working and starts blinking the error led, it's most probably because a bad connection due to a bad USB cable.

Do touch the sparks for a short time, if you like. It should not cause any harm. Use at your own risk.

Do touch the sparks with any metal like a screwdriver, ring, cable... The high discharge current(mA) this way can break the Cwh modules.

Do not use this device with any hardware you can't afford to lose. I tested this device with my 2kE laptop and I don't think it can fail in a way that would damage the laptop. However, I'm not a high voltage and any electronics touching the sparks will break for sure!

If you want to flash new firmware, bridge the two pads of what was supposed to be a button. This will enter DFU mode.