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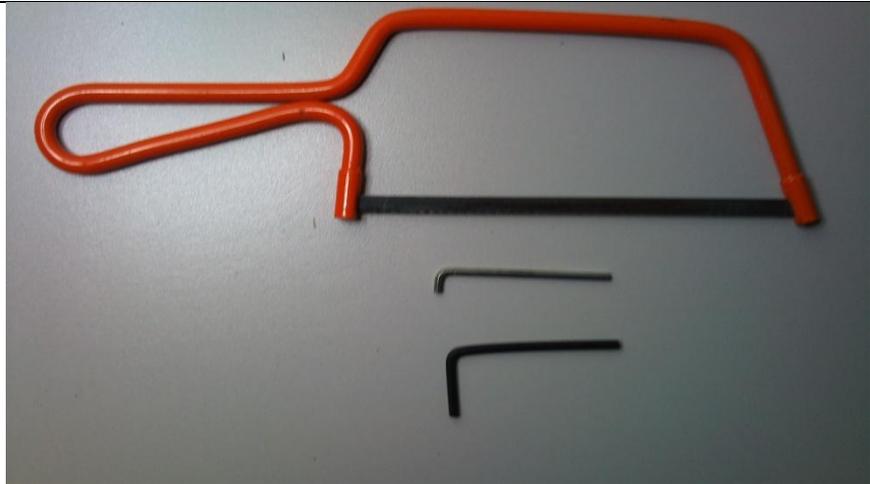
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Disassemble the ZZ-8

Make a special tool.

To be able to access the two screws behind the front panel, a short 2.5mm hex key (Allen wrench) is needed. Use a hacksaw to shorten the arm, and inspect the cut end for burrs. Lightly file the freshly cut edges if necessary to be certain the key (wrench) will fit the screw properly.

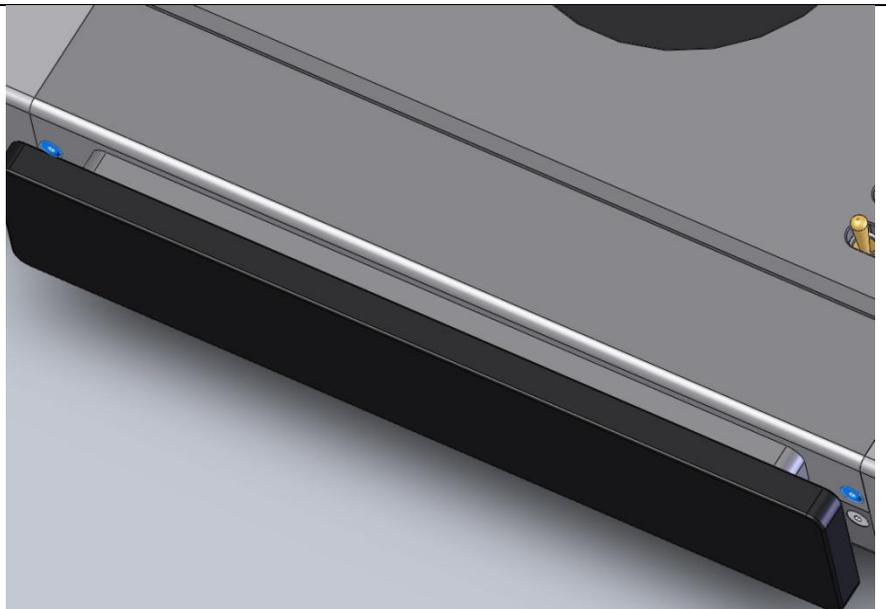
Please use only a new, high quality tool, as a damaged or stripped screw is very difficult to remove.



Unscrew the two screws behind the front panel.

Please be careful:

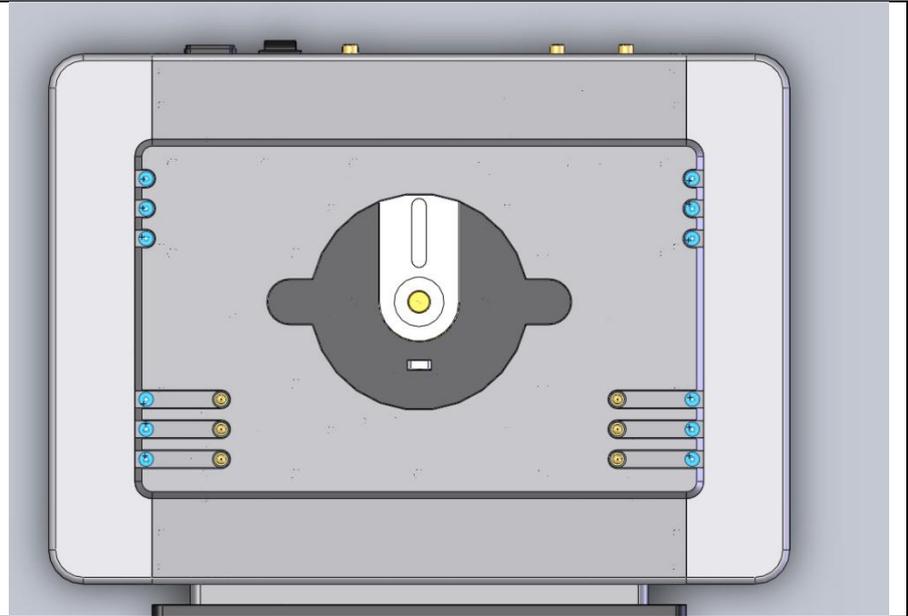
- Ensure that the 2.5mm hex key is fully engaged in the screw head socket.
- Carefully loosen the screw without stripping the head.



Unscrew the rest of the screws in the top plate.

Unscrew the 12x screws in the top and the 2x screws in the back of the top plate.

Please continue to be careful not to damage any of the screw heads as you remove them.



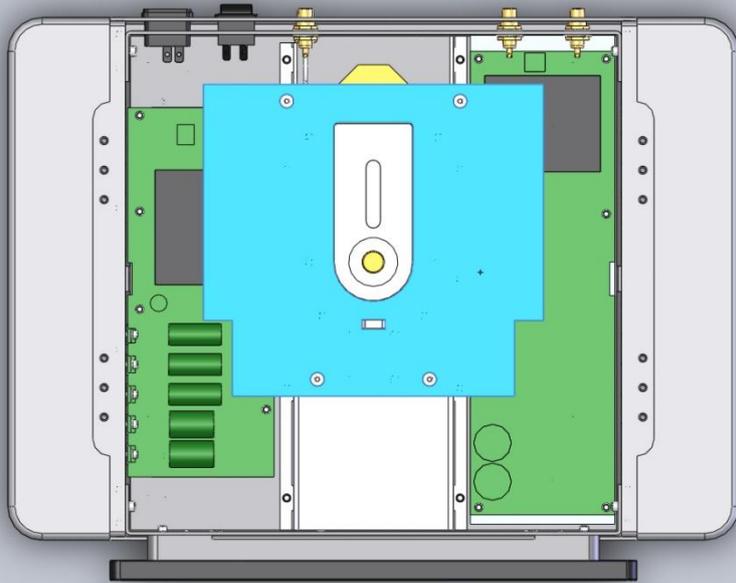
Remove the top plate.

Carefully lift the top plate up. It might be a tight fit, and take care not to scratch the player when lifting.

When removing the top plate, the wires going from the switches must be disconnected. - Hold the top plate with one hand, put the other hand through the hole for the CD's, grab the wire and carefully pull the wires out of the connector.

1. Remove the drive cover plate.

Unscrew the 4x 2.5mm, remove the cover plate and then the two rubber strips underneath.

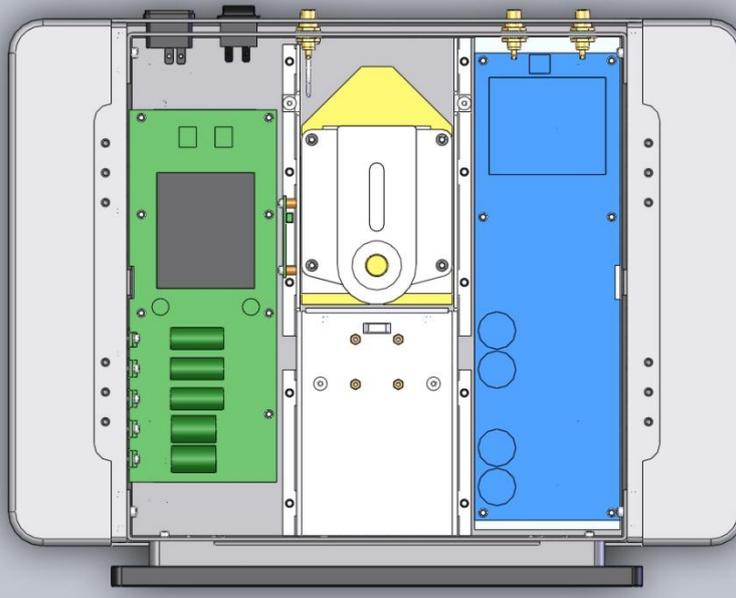


Remove the old DAC PCB.

Remember to disconnect all power from the player.

Please:

- Remove all the cable connectors. Carefully pull all the wires out of the PCB connectors.
- Unscrew and remove the old power wire going from the PSU PCB to the DAC PCB.
- Unsolder the signal wires to the RCA connectors.
- Unscrew 6x screws holding the DAC PCB.



Remove the back plate.

Please:

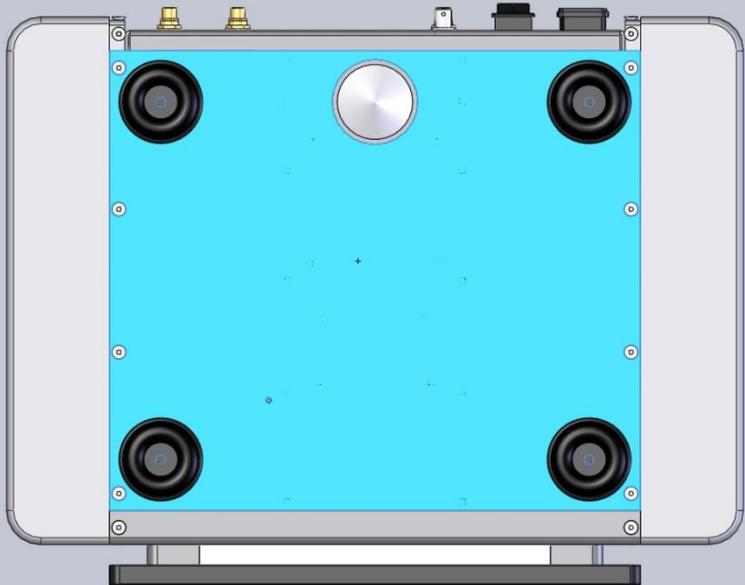
- Remove the 2x screws in in the bottom and the 2x screws in the back of the plate.
- Remove the power connector attached to the PSU PCB and the earth wire.



Remove the bottom plate.

Please:

- Remove the 8x screws holding the bottom plate.



Mechanical modifications

Modify the inner chassis – Bottom.

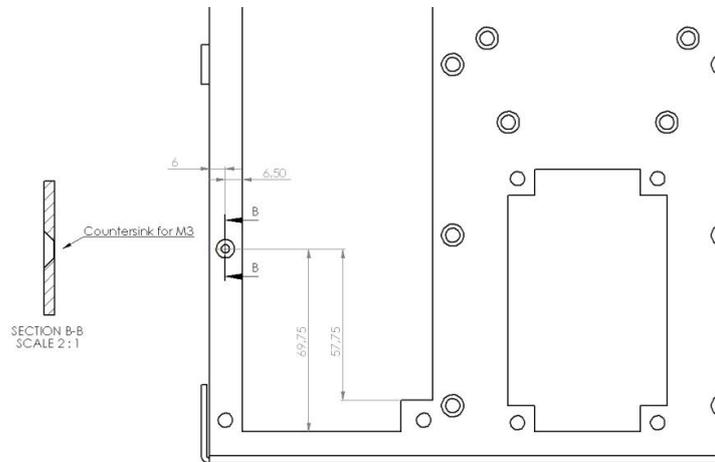
Please:

- Mark a point according to the dimensions from the mechanical drawing.
- Punch the dot, and drill a 3.2-3.5mm hole.
- Countersink the hole according to a 3mm hex screw (DIN7991).

OBS:

Be aware of metal shavings. Please vacuum clean and take care not to place the player on top of the shavings, because they will scratch.

Take care no shavings are inside the player. They can damage and short-circuit the electronics.



ZZ8-01 Chassis bottom modif.pfd

Modify the inner chassis – back.

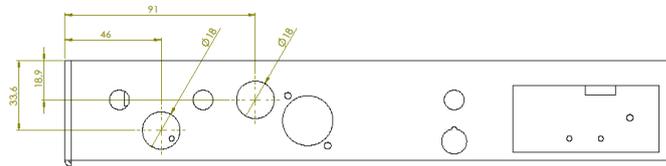
Please:

- Mark the 2x points according to the dimensions from the mechanical drawing.
- Punch the dot, and drill two 3.2-3.5mm pilot holes.
- Enlarge the holes to approx $\varnothing 14$.
- Use a squared file to enlarge the hole until the body of the switch can pass.

OBS:

Be aware of metal shavings. Please vacuum clean and take care not to place the player on top of the shavings, because they will scratch.

Take care no shavings are inside the player. They can damage and short-circuit the electronics.

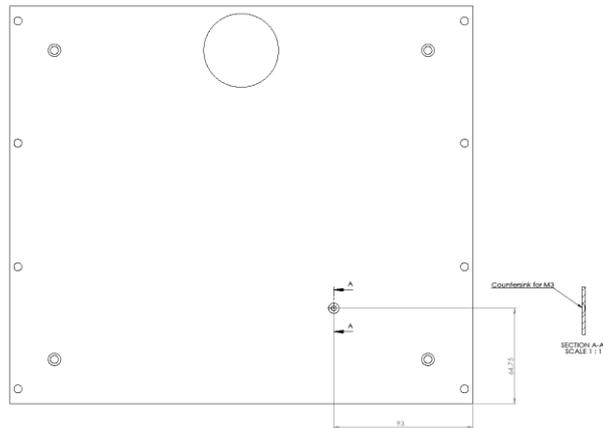


ZZ8-01 Chassis modif.PDF

Modify the bottom plate.

Please:

- Mark a point according to the dimensions from the mechanical drawing.
- Punch the dot, and drill a 3.2-3.5mm hole.
- Countersink the hole according to a DIN7991, 3mm hex screw.

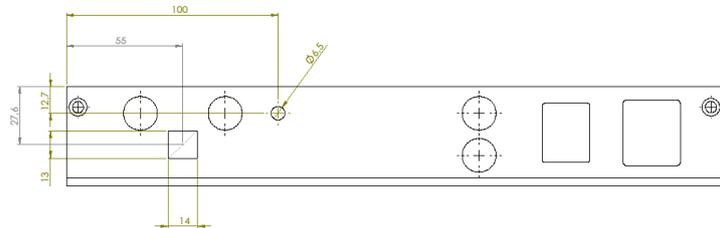


ZZ8-04 Bundplade modif.PDF - (Inside view)

Modify the back plate.

Please:

- Mark the points according to the dimensions from the mechanical drawing.
- Mark the center of the squared hole.
- Punch the marks, and drill a 3.2-3.5mm pilot hole.
- Enlarge the holes to the final diameter with the appropriate drill bit.
- Use a fine square file to enlarge the square hole to final dimension (view page 9 first).

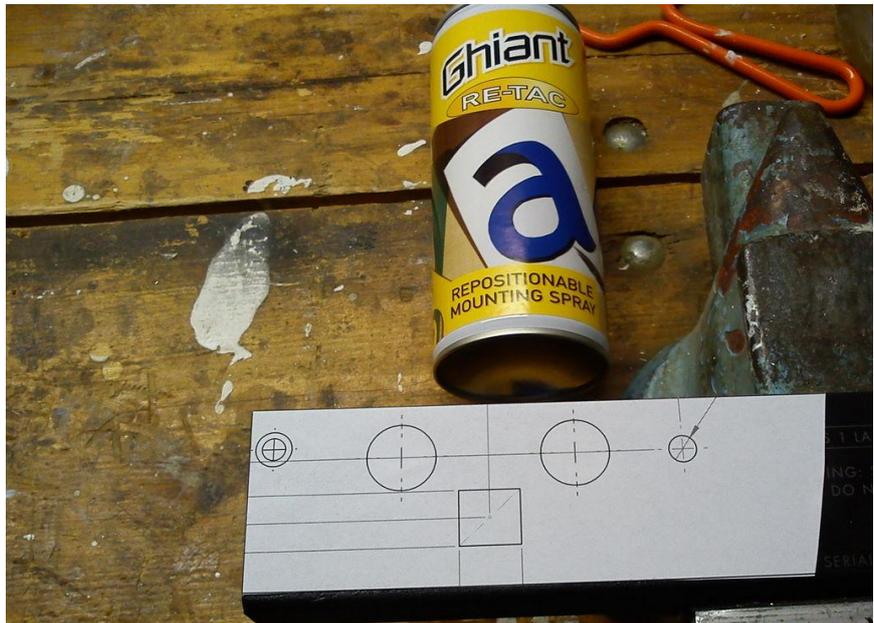


ZZ8-01 Chassis modif.PDF

Tip:

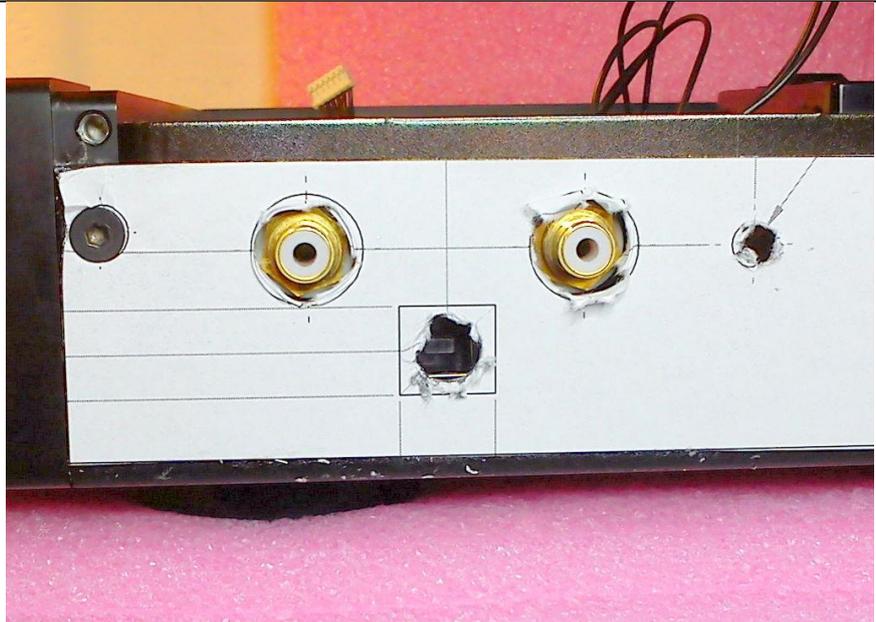
The mechanical drawing can be downloaded from www.molit.dk and printed 1:1.

Then the paper can be glued on top of the backplate and used as a 1:1 template. The glue can be removed by aid of benzene.



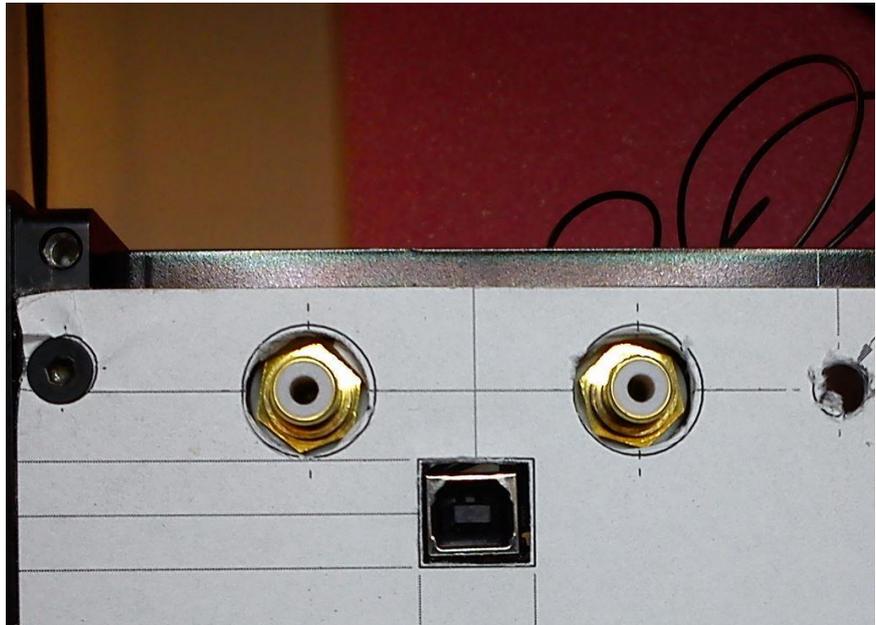
Check the USB connector hole.

Before finishing it up.
Here an adjustment is needed!



The final result.

The paper and glue can be removed by benzene.



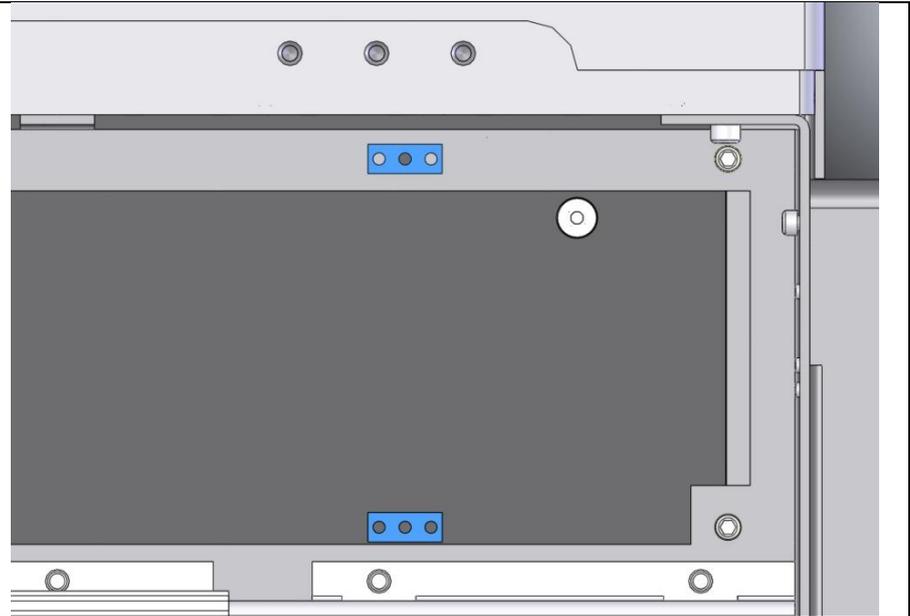
Mount the DAC.

Install the PCB blocks in the inner chassis.

Install 1x PCB mounting block in the inner chassis.
Install 2x PCB mounting blocks in the bottom plate and screw the bottom plate on the ZZ8.

Please insure that the blocks are parallel to the heatsink.

Use a drop of Loctite 222 for secures the screws of the PCB blocks.



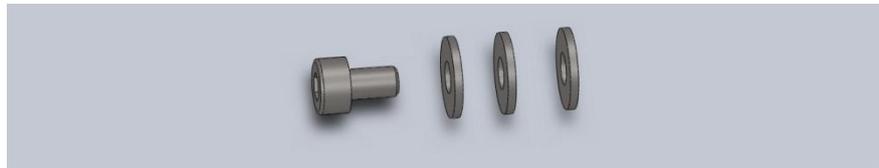
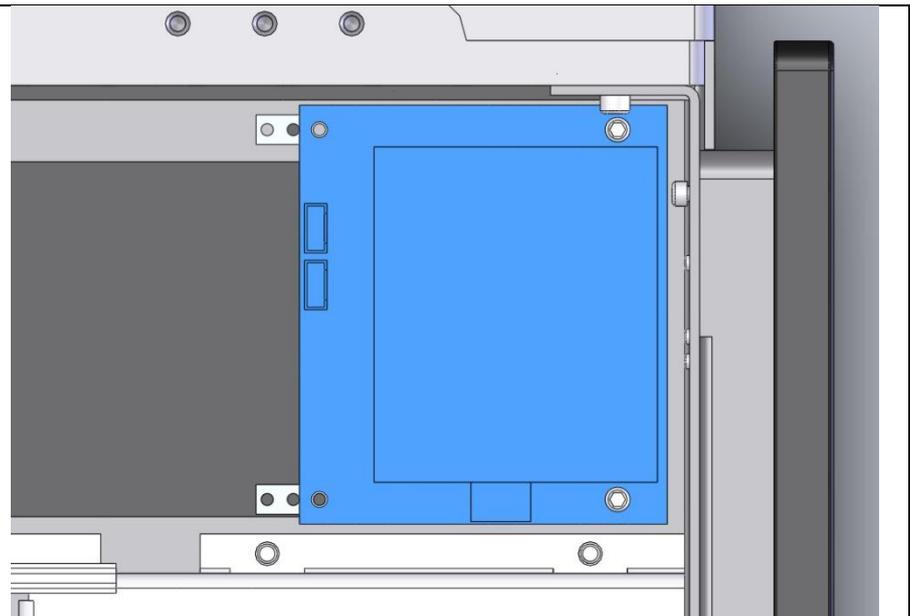
Install the power transformer into the player.

2x 3x5mm + $\varnothing 3,2$ mm washer
2x 3x5mm + 2x 3x $\varnothing 3,2$ mm washer.

Loosely tighten the screws holding the power transformer in the player.

Tip:

To avoid the mounting screws contacting the inner chassis, use 3x $\varnothing 3,2$ mm washers for the screws going into the PCB mounting blocks.

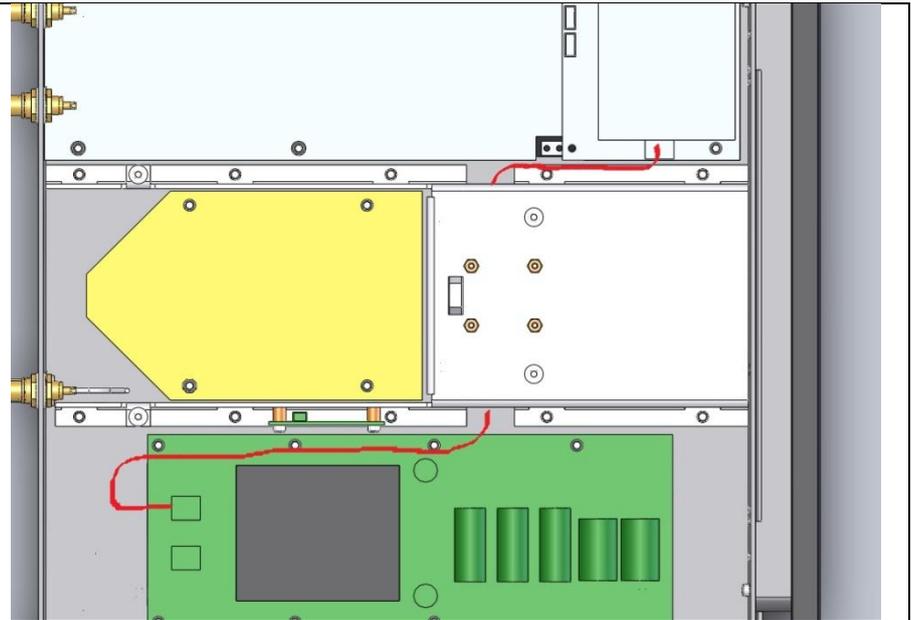


Install the power wire.

Please install the wire as shown in the drawing as a red line.

Mount the power connector on the wire and connect it to the PCB shown as green.

430mm, 2x 0.75mm double isolated PLT wire.



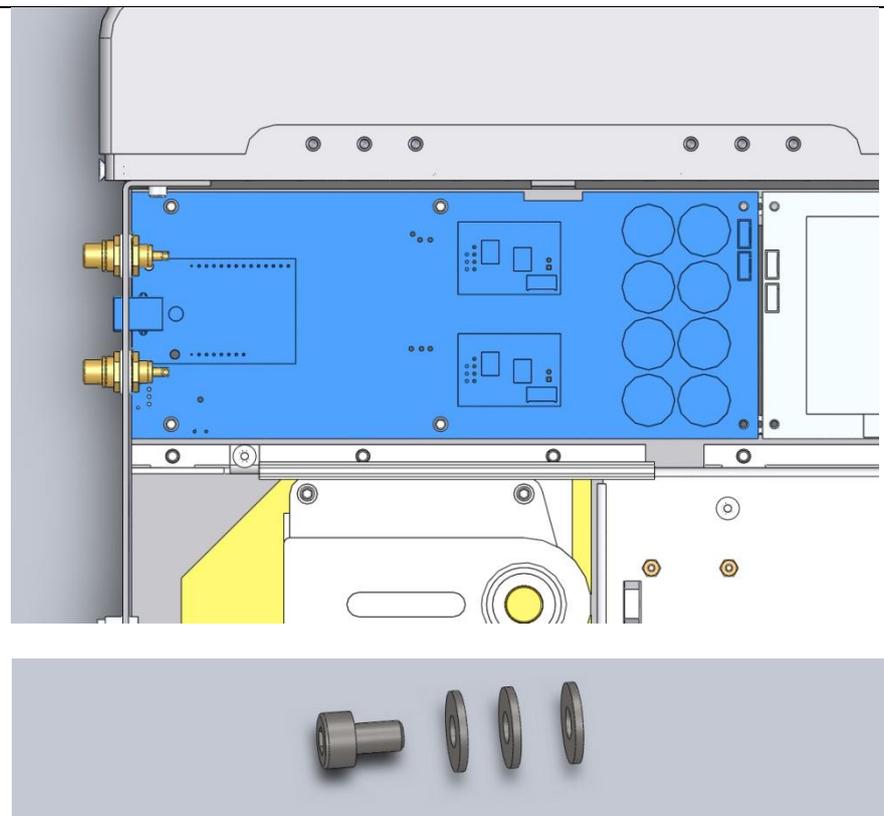
Install the D/A converter PCB into the player.

4x 3x5mm + $\varnothing 3,2$ mm washer.
2x 3x5mm + 2x 3x $\varnothing 3,2$ mm washer.

Tighten all screws. Also the screws holding the Trafo PCB.

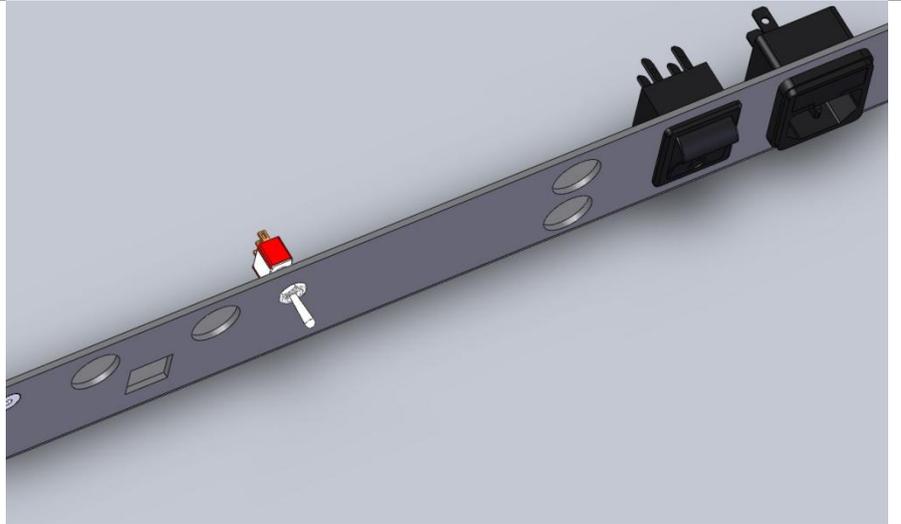
Tip:

To avoid the mounting screws contacting the inner chassis, use 3x $\varnothing 3,2$ mm washers for the screws going into the PCB mounting blocks.



Install the toggle switch in the backplane.

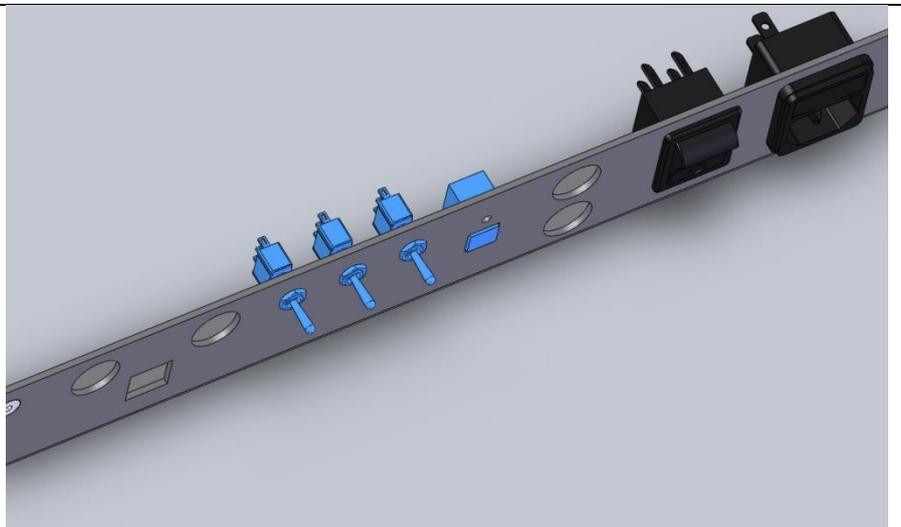
Use Locktite 222 to secure the nuts.



Special SPDIF/TOSHLINK MOD.

Install the tree toggle switches in the backplane as well as the TOSHLINK receiver.

1x 2,9x10mm PZ1 Plastite is to be used for the TOSHLINK receiver.



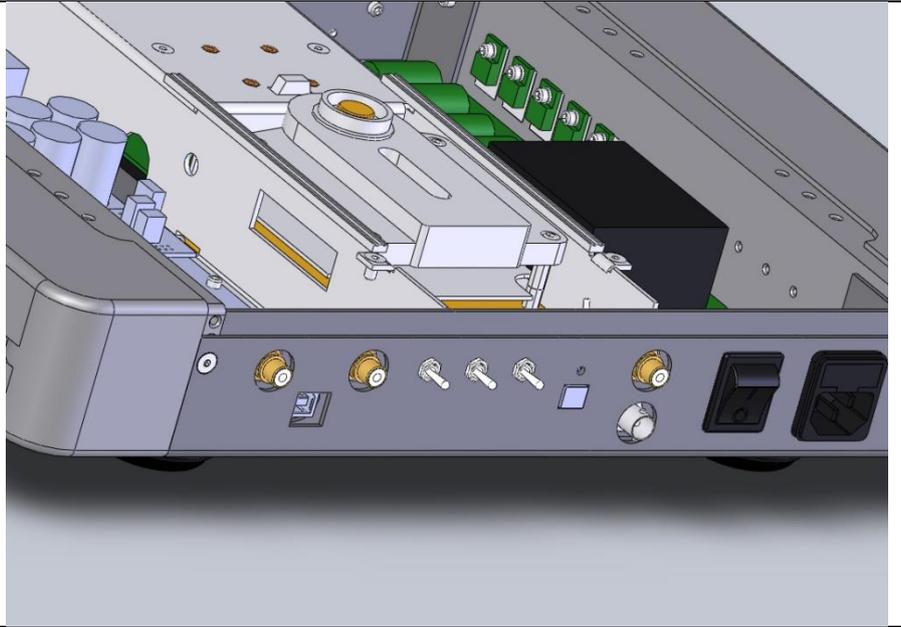
Install the backplate.

4x 4x8mm CSK.

Align the DAC PCB so that the USB connector is aligned with the backplate cut-out.

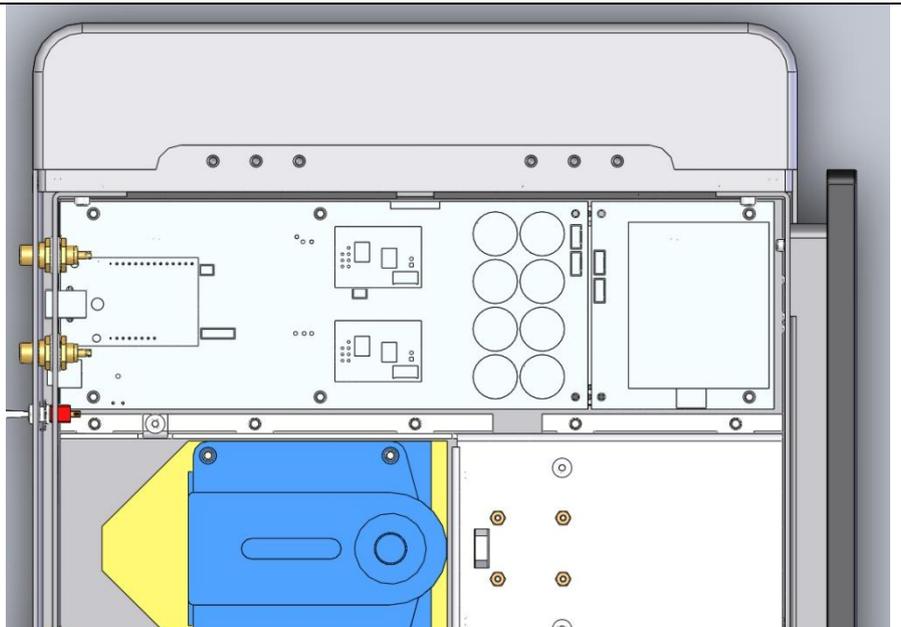
Tighten all mounting screws on the PCBs. - Install the power connector and the earth wire to the main inlet.

Tip: Be careful not to tighten the screws too much!



Install the CD ROM drive.

4x 3x8mm HEX



Install the interconnect wires.

Trafo PCB:

J30-> J30 DAC PCB

J40-> J40 DAC PCB

Toggle switch:

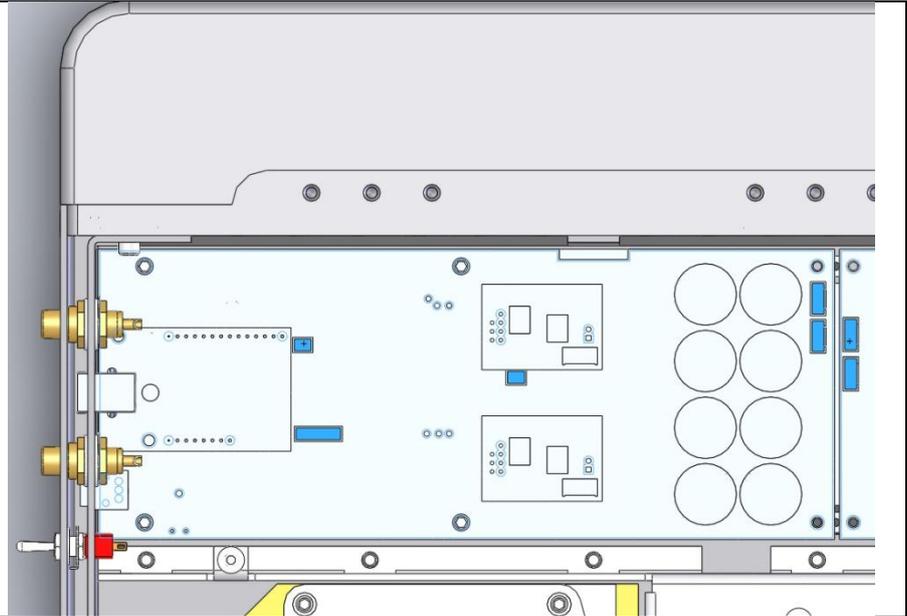
J2 and J3 DAC PCB.

PRO2M Drive unit:

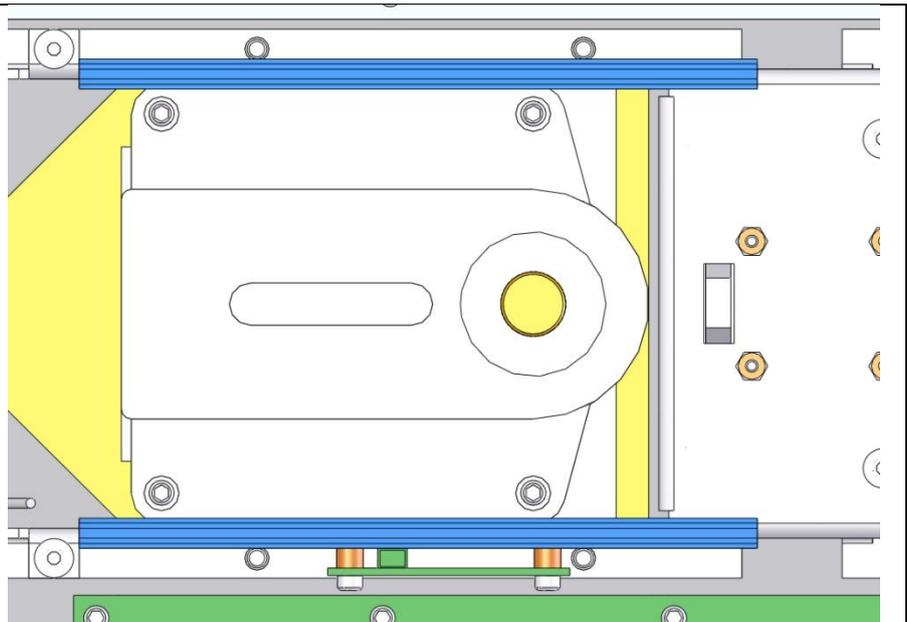
I2S-> J1 DAC PCB.

Power-> JP2 PSU

DSA->6 pol wire from control PCB (Hidden).

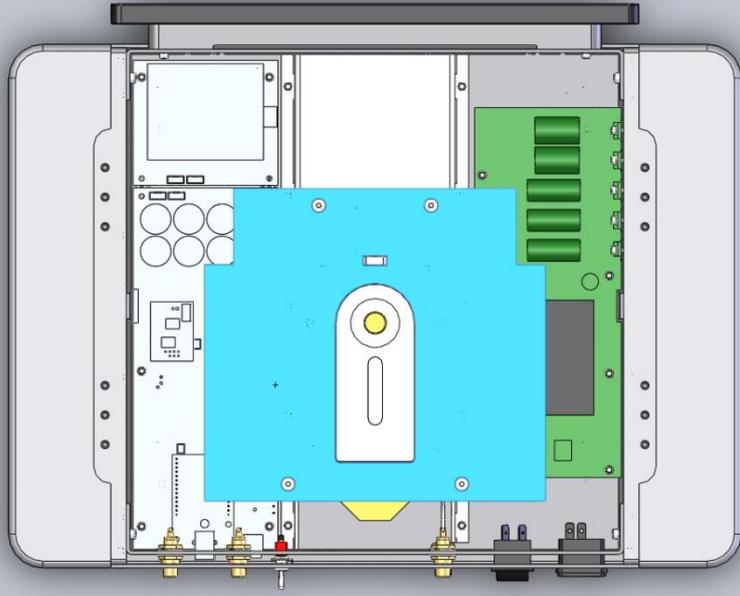


Install the rubber strips.



Install the drive cover plate.

4x 4x8mm CSK



Install the top plate.

Attach the two keyboard wires to the PCB connector. Please be careful not to scratch the player. Carefully slide the top plate into the player. Check that the switch PCBs are not hitting the main DAC transformer

16x 4x8mm CSK.

Tip:

Only loosely tighten all screws at first. When mounting the two screws behind the front plate, use the specially modified hex tool from step 1. Test the player before final tightening of all screws.

