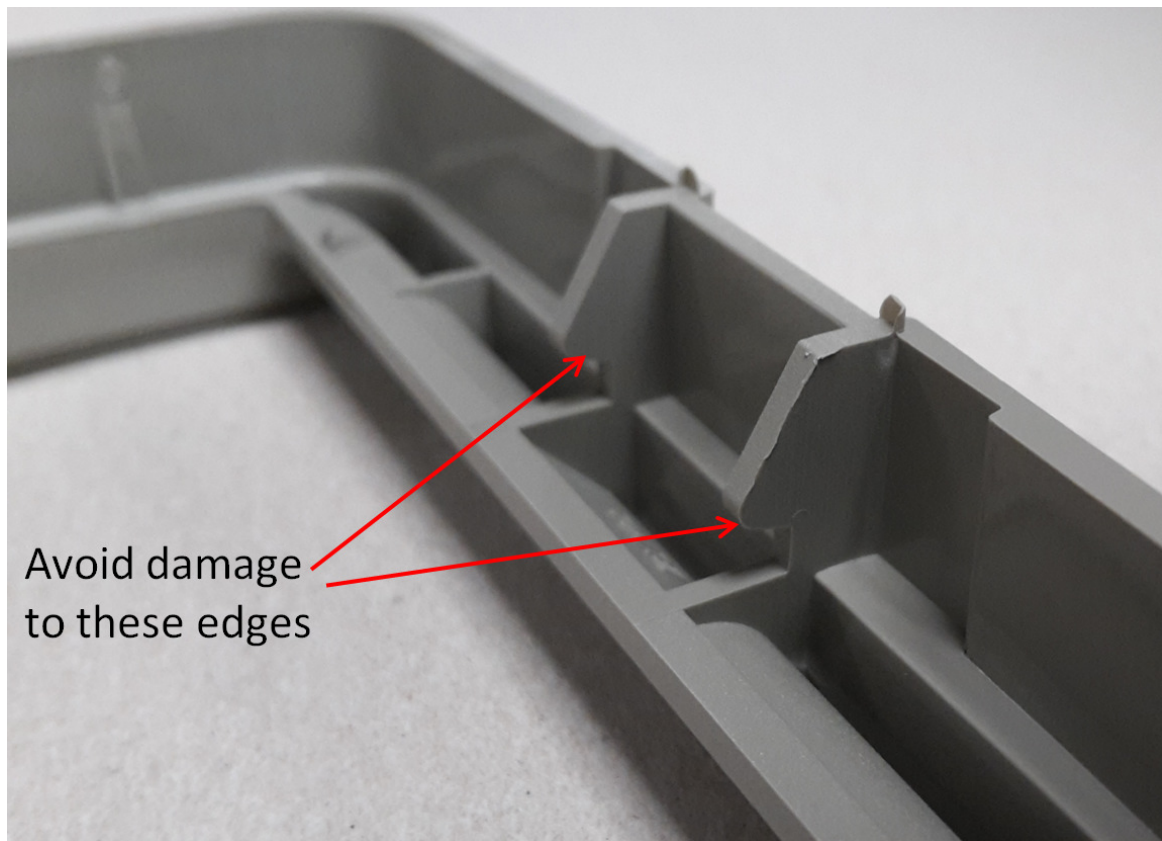# RTX6001 Disassembly and Reassembly

For adjustment, modification or repair, it may become necessary to open the RTX6001 to get access to the internals. This document describes how to disassemble and reassemble the unit.

Warning: Disconnect power to the unit before attempting to open it.

1   Disassembly of the RTX6001

1.1   Removing the bezels

Caution: It is very important to avoid damaging the inner edges of the bezel. If these edges become damaged, the bezel may sit loose on the front and/or rear of the unit when reassembled.

The bezels can be removed in the following way:

1. Gently push the bezel out to one side with your thumbs (around 3 mm). An example showing the rear side is shown below. It doesn't matter if you release the left side or the right side first. You only need to push on one side.

2. When pushed out to the side, move that side of the bezel away from the front/rear plate.
3. Once it has been released on one side, pull it further away from the front/rear plate and gently release it on the other side.

1.2 Removing the screws

When the bezels have been removed, the screws holding the front and rear plates become visible. There are 4 screws on the front side and 4 screws on the rear side of the unit.
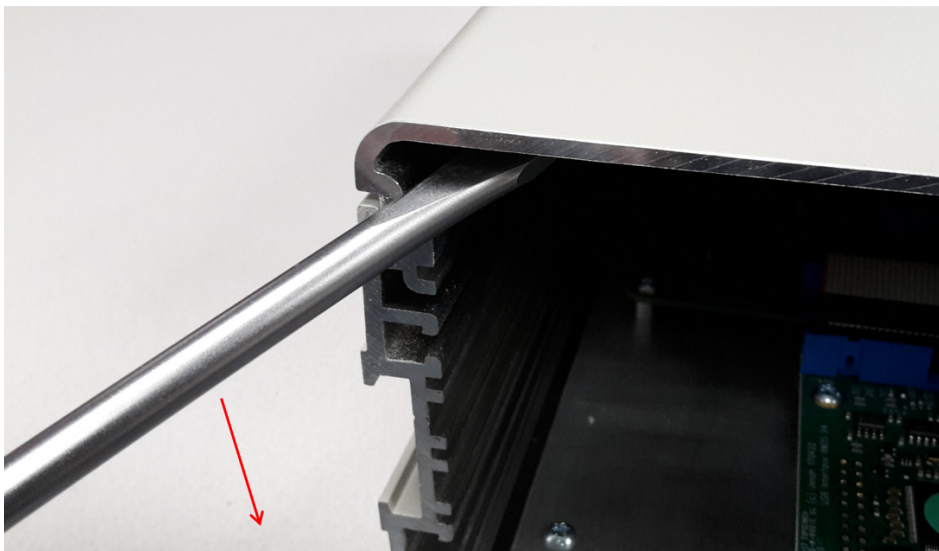
1. Remove the 2 upper screws on the front side.
2. Remove the 4 screws on the rear side.

1.3 Removing the lid

1. Place the RTX6001 on a table with the rear side along the edge of the table.
2. Pull the rear plate slightly away from the main chassis, just enough to get clear of the USB connector.
3. Gently twist the rear plate counterclockwise as shown in the picture below.

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4. Remove the lid. Either by sliding it out or by using a large flat screwdriver to lever the lid as shown below. Support the screwdriver on the main chassis. Sliding the lid out can be difficult, since there is generally a very tight fit between the lid and the main chassis.

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2 Reassembly of the RTX6001

2.1 Replacing the lid

1. The lid can be put back in place by placing it on top of the chassis with one side placed in the groove in the main chassis.
2. Once in place, press the other side in place.

2.2 Replacing the front and rear plates

1. Attach the rear plate with the 4 screws. Make sure that the rear plate is centered, so that the USB connector does not touch the rear plate. If the USB connector touches the rear plate the measurement part would no longer be isolated from the PC.
2. Put the 2 screws in the front plate back in place.

2.3 Replacing the bezels

1. Start by holding a bezel in a slight angle relative to the front or rear.
2. Gently push the bezel in place on one side making sure that it slips past the two screws on the side.
3. Move the other side of the bezel towards the box and pull it out to the side to slip it over the front/rear plate, avoiding damage to the edges of the bezel as described in the disassembly section.

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