Whizz3dparts

1602 Panel Bezel. Help Sheet (Revision 01)

Introduction.

The 1602 Panel Bezel is intended to provide a neat and tidy way to mount a bezel with a Whizz Tuning Knob.

The cut-out and mounting holes are for a 1602 type 2 Display.

The bezel has been designed to act as it's own cutting template. Please take care not to scratch the front surface. A paper covering could be attached that is removed at the end when the work is completed. Attaching it to the shiny side (front side) with masking tape will help keep this side scratch and scuff free during mounting activity.

Dimensions: 110 x 100mm

Fitting Instructions.

The instructions are fairly straightforward and the bezel itself provides a template to help locate the LCD Slot, mounting holes and the hole for the encoder shaft.

The bezel is provided with the trim away border, which also acts as a guide to give some clearance on the enclosure you are going to fit the bezel to.

 Step 1.

Notice that the bezel has four non-clearance holes on the back of the bezel. Initially drill these to 2mm.

Also notice that there is a very thin infill around the pilot hole for the tuning knob. This is to allow accurate placement of the encoder hole on the chassis.
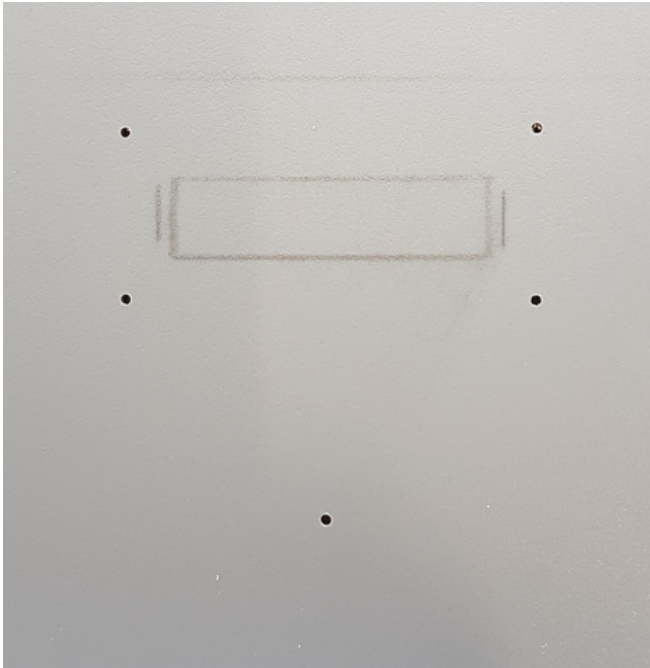
Step 2.

Mark the line where you want the top of the bezel to be. Note the removable skirt on the bezel can be used to give clearance against an edge.

Place the bezel face down and align the top of the bezel to the edge of the chassis. Use some more masking tape to hold the bezel in place.

Mark out the Slot for the display and the holes for the bezel mounting screw and the hole for the encoder shaft. Here 2mm pilot holes have been drilled to enlarging later.

Drill the mounting holes that you have marked

Step 3.

Cut the slot for the display in the chassis. As we are using a bezel the slot does not need to exact or perfect. Use your preferred method of slot cutting

Step 4.

Once the slot has been cut tidy it up with a file or your preferred method if there are sharp edges.

On your chassis, open up the four mounting holes to the final size, and also the

Test fit the bezel and LCD display on the chassis.

Trim the bezel surround using a utility knife (see instructions on the Whizz3dParts web pages).

Similarly remove the circular infill from around the pilot hole guide for the tuning know. Be careful to do a neat job of this.

Remove any protective covering from the bezel.

Mount the bezel and the LCD display on to the chassis and tighten up the fasteners.
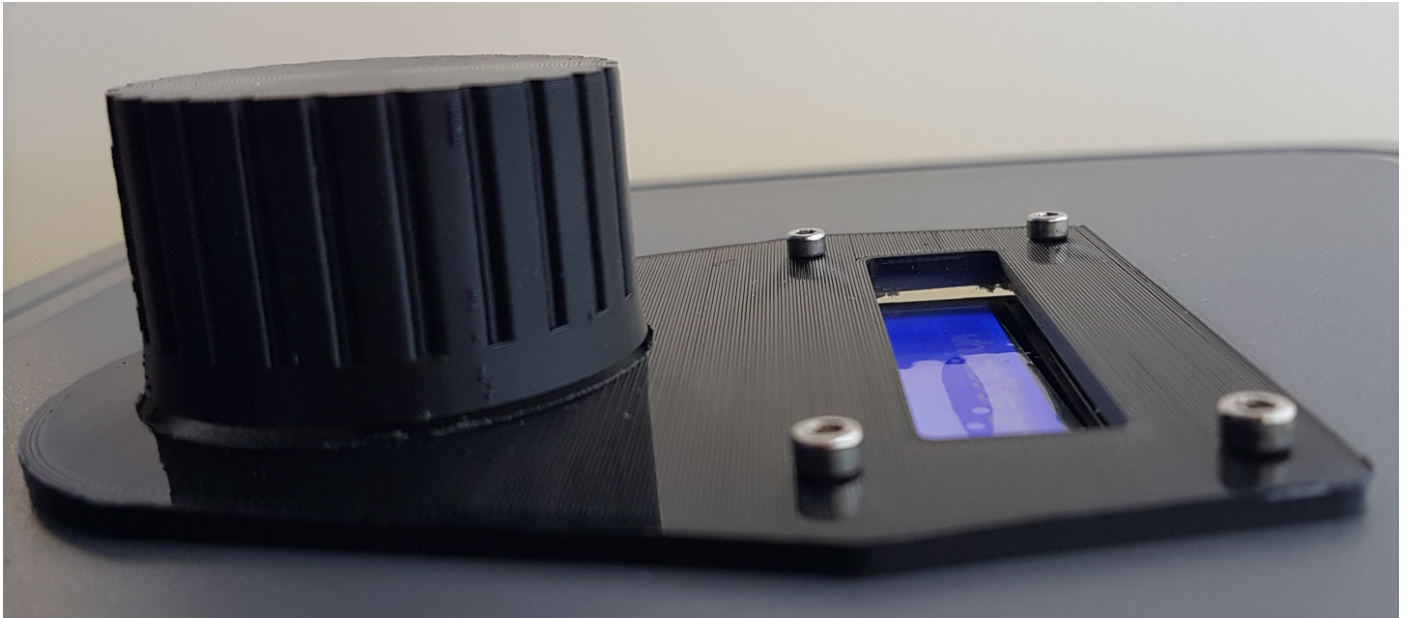
Conclusion.

Here is the panel bezel in place. The lighting has put some unwanted reflections on the surface.

Here is a side view.

Suggestion.

Hex Cap screws give the unit a great rugged look. These are available in silver or black in small quantities. 20mm are perhaps the ones to buy along with some nylon nuts so that the rear fastening is insulated. M3 are the choice here in the UK as they are the easiest to obtain.