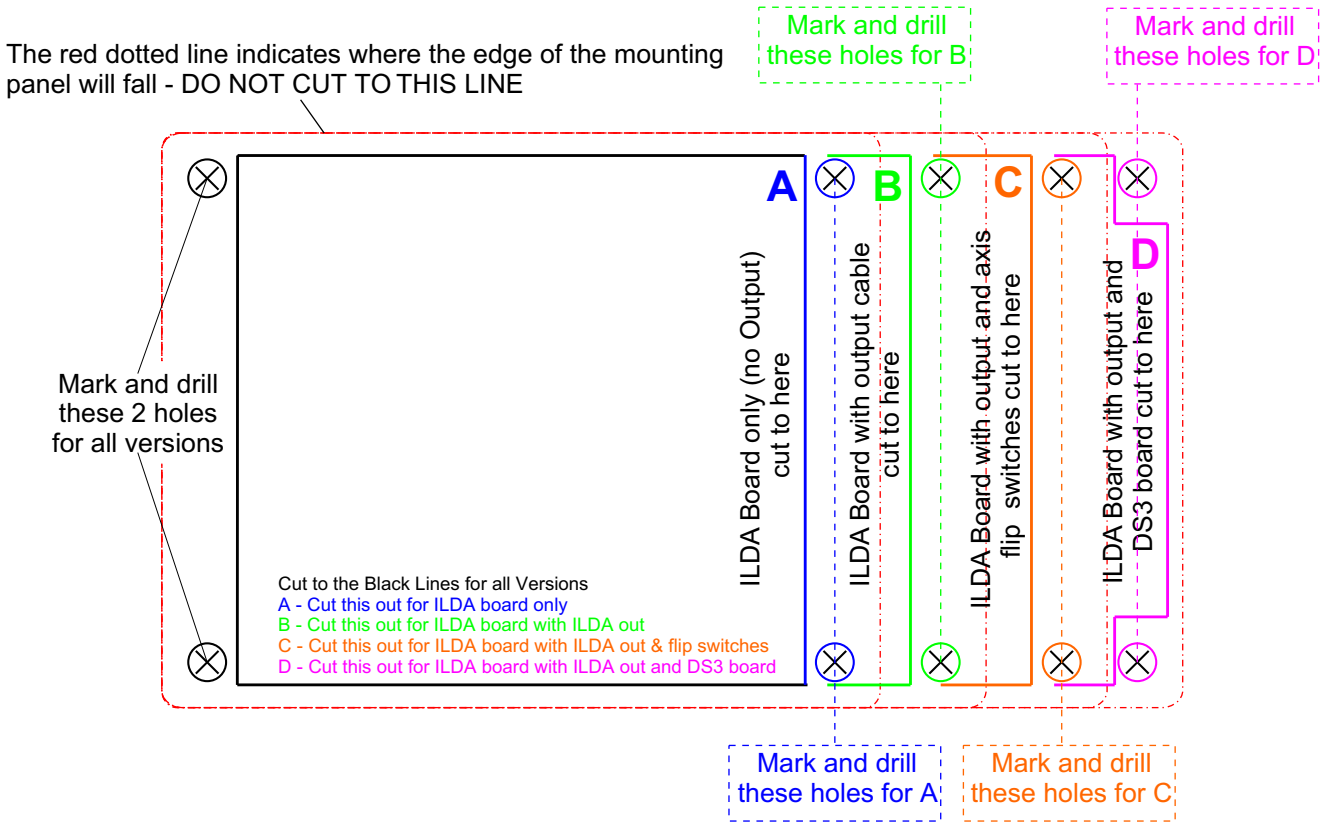
ILDA board mounting panel cutout template



This template with colour coding can be downloaded from www.stanwaxlaser.co.uk

After printing check this line is 10cm long or the cutting guide lines on this drawing may not be accurate

Instructions for use of this template

Print this template and cut a box out of the paper to the mark A B C or D depending on the panel you have bought.
Tape it to the outside of the projector housing where the board is to be mounted (use the cutting lines to ensure the template is straight) and using a centre punch or sharp point mark the drill holes at the centre of the circled 'X' marks relevant to your purchased mounting panel.
Then drill a hole inside the rectangle to be removed using a drill bit that is large enough to allow a saw blade to pass through, (HINT: drill a small hole as a pilot first and then drill progressively larger holes up to the required size for better accuracy and easier drilling) Use a hand saw (hacksaw) or a jigsaw with a blade suitable for the material you are cutting and cut to the edges of the rectangle. Try to aim for just inside the rectangle, it wont matter if you stray outside of the marks as long as you stay within the dotted lines that show where the edge of the panel will come to.
Once the hole is cut try the mounting panel with the ILDA board fitted to it in place to check that the board and panel will fit and check that the holes in the panel will line up with the centre of the circled 'X' marks. If you need to adjust the rectangle hole then do so with a saw or use a file if only small adjustment is needed. Once the panel fits well remove it and drill the holes for the 4 mounting screws using the points you made earlier with the centre punch or sharp point.
If you plan to use a tap for a threaded hole make sure you use the correct size of drill to allow the tap to cut a good thread. The holes in the panel are designed for M4 clearance so if you wish to use M4 screws you will need to drill a hole with a 3.2mm drill.
You can use self tapping screws but check that the drill you are using is of a suitable size for the screw you intend to use Check the recommendation from the screw manufacturer on the size of drill needed for the screw you intend to use. If in doubt check first by drilling a test hole in the scrap piece of panel you have removed with the saw and ensure the tap or self tapping screw fits correctly in the hole you have made.
Once complete you can clean the edges up with a file if you wish (this is good practice to ensure all the burrs are removed from the edges of the hole). If the projector housing is steel it is advisable to paint over the cut edges to seal them and prevent rusting.
Now you can fit the ILDA board to your projector and maintain smart looks at the same time.
The benefit of using a Stanwax Laser ILDA board mounting panel is that you don't need to be very neat or accurate as the mounting panel will fit from the outside and hide the cuts if they are not perfect.