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# Enclosure for IV-3 VFD Shield

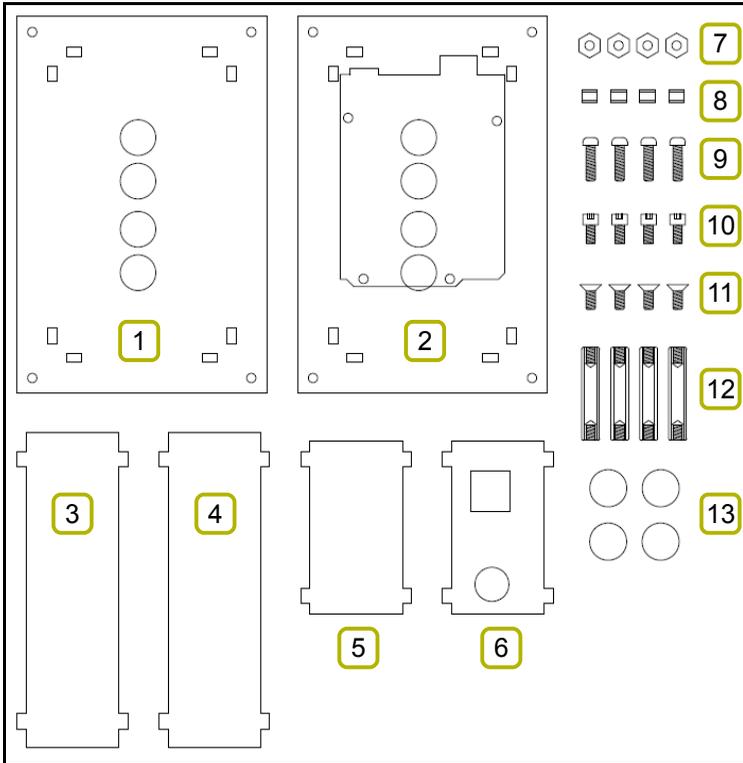
User Manual

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# Bill of Materials

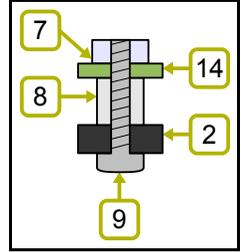


#	Description	#	Description
1	Acrylic top panel	8	5 mm spacers
2	Acrylic bottom panel	9	12 mm screws inside
3	Acrylic side panel	10	6 mm screws top side
4	Acrylic side panel	11	8 mm countersunk screws bottom side
5	Acrylic side panel	12	30 mm spacers female-female
6	Acrylic side panel	13	Rubber feet
7	Nylon nuts	14	Arduino Uno <sup>[1]</sup>

<sup>[1]</sup> These parts are not included with the enclosure.

# Assembly Instructions

1. Remove the protective films from the acrylic panels.
2. The bottom panel provides four holes that correspond with the mounting holes in the Arduino Uno. Mount the Arduino Uno (14) to the bottom panel (2) using the mechanical components (7, 8, 9) as indicated in the picture to the right. Note that recent versions of Arduino Uno come with a wider, 10-pin header that sits very close to one of the mounting holes making it impossible to fit the nylon nut in place. If this is the case, just leave out the mechanical components for that mounting hole.



3. Stick the IV-3 shield onto the Arduino Uno.
4. Insert a countersunk screw (11) through each countersunk hole of the bottom panel and fix a female-female spacer (12) onto each protruding screw.
5. Place the four side panels (3, 4, 5, 6) around the IV-3 shield. The side panels fit in the bottom panel.
6. Mount the acrylic top panel (1) on top of the assembly. The side panels fit in the top panel.
7. Drive a 6 mm screw (10) through each hole of the top panel into the female-female spacer. DO NOT exert too much force when tightening the screws!
8. Stick a rubber foot (13) on each corner of the bottom panel.

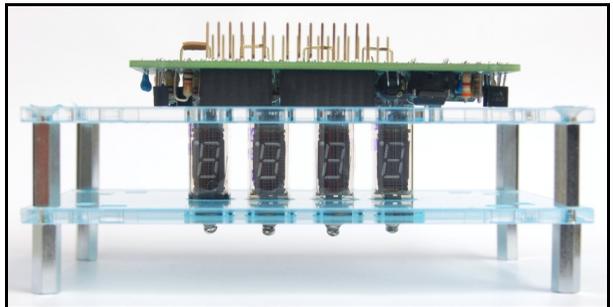
## ADDITIONAL ASSEMBLY INSTRUCTIONS

Please be gentle with the acrylic panels. If a panel refuses to assume the correct position, avoid exerting more force on the panel. Instead go back a number of steps and try assembling the case again.

## Aligning the Tubes during Assembly

When you're assembling the IV-3 shield, you'll have to align the tubes at some point. You can use the top panel and bottom panel as an aid.

The picture to the right shows an example construction using the top panel and bottom panel. Note that the spacers in the picture are not part of the enclosure and other setups are possible.



## Contact Information

Official website: <http://www.axiris.eu/>

