Instruction document

Model	Bolt PRO	Date	31-08-17
Prepared by	Vincent Riemens		

| Short title	RJ45 bracket Leapfrog Bolt Pro				
Classification		Troubleshooting		Firmware		Version control
		Software		Part information	X	Action required
	X	Mechanical		Electrical		Service manual revision
		Filament path		Transmit / receive		Retrofit information
		Product safety		Other ( )		Packaging

Necessities

- 4 pcs Tye-ribs
- 2 pcs RJ45 bracket

General information

In order to fixate the RJ45 connectors firmly against the printhead PCB a 3D Printed bracket is used. This clip not only prevents the RJ45 connectors from moving (possible causing a disconnect) it also holds the IGUS wires alongside into place. This manual will explain how to install these brackets into a Leapfrog Bolt PRO.
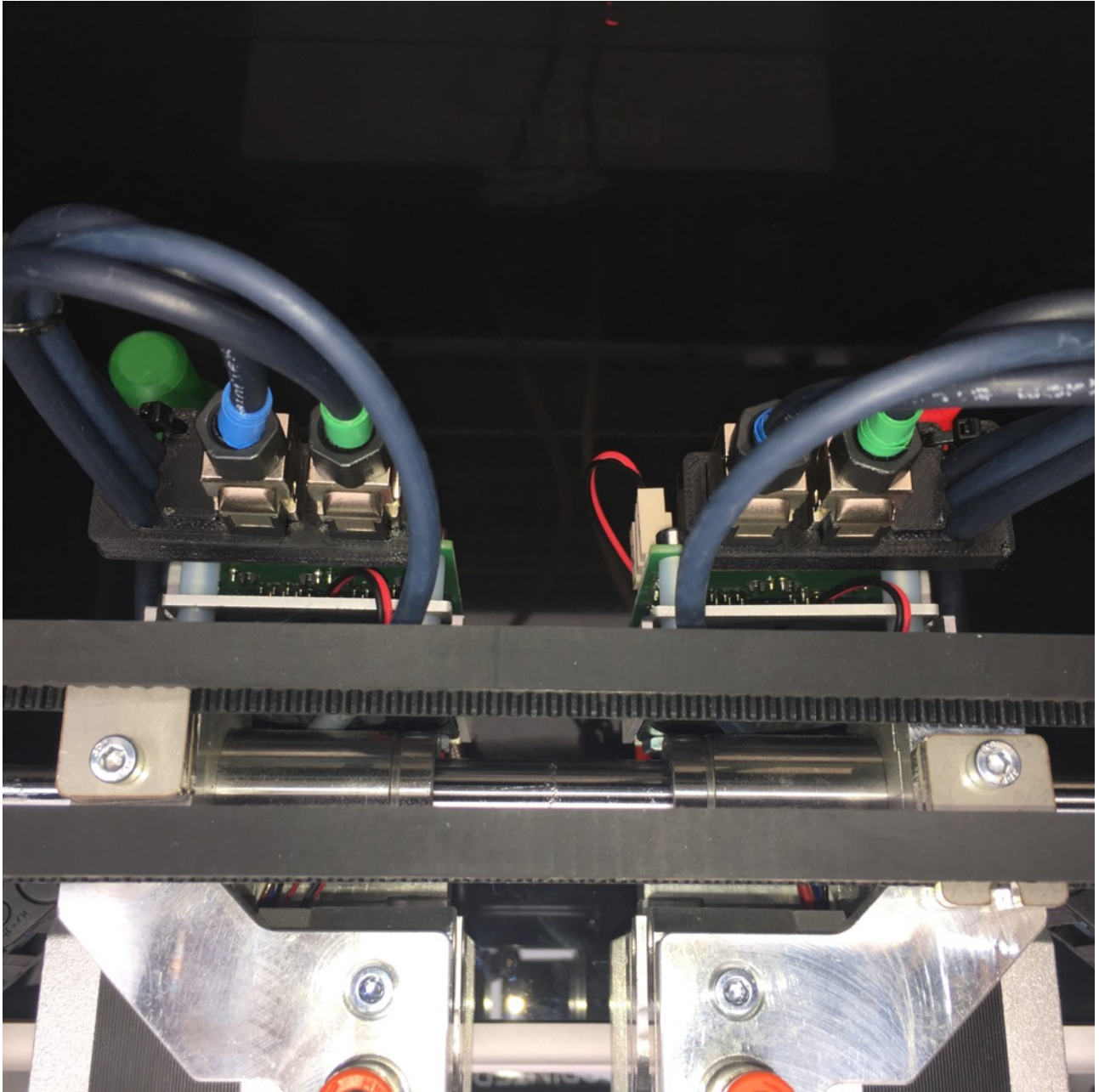
# 1.   Inserting the RJ45 connectors

The two squared openings are where the RJ45 connectors should be inserted thru.

Please make sure the **Blue** RJ45 connector is always **LEFT** and the **Green** connector is always **right**. This is the same for both extruders when seen from the front of the machine.
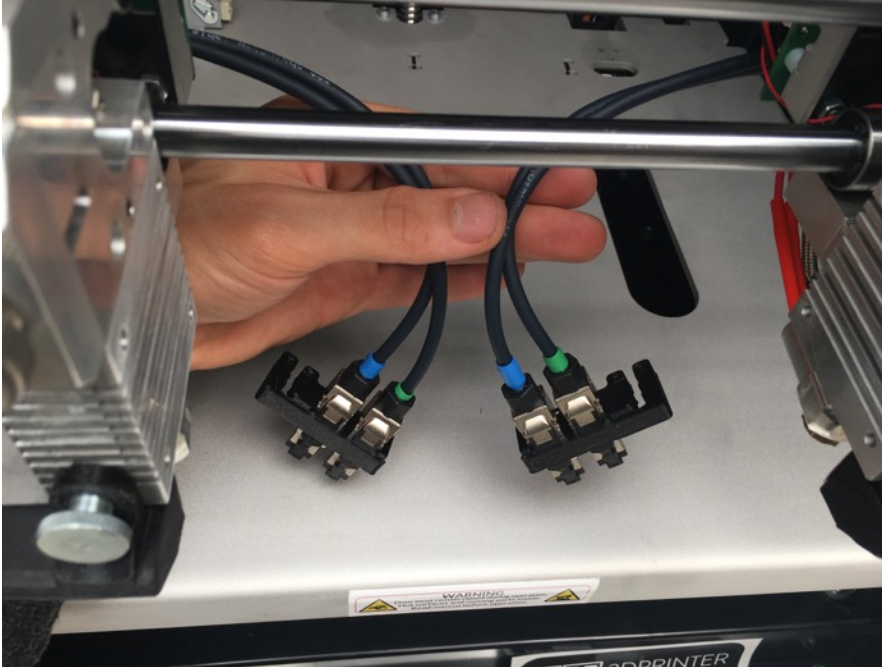

2.   Inserting the bracket and it's RJ45 connectors into the PCB

Insert the RJ45 connectors inside the head PCB. Make sure that the bracket is pushed down all until the gap on the bracket falls over the head PCB. Please see pictures below.
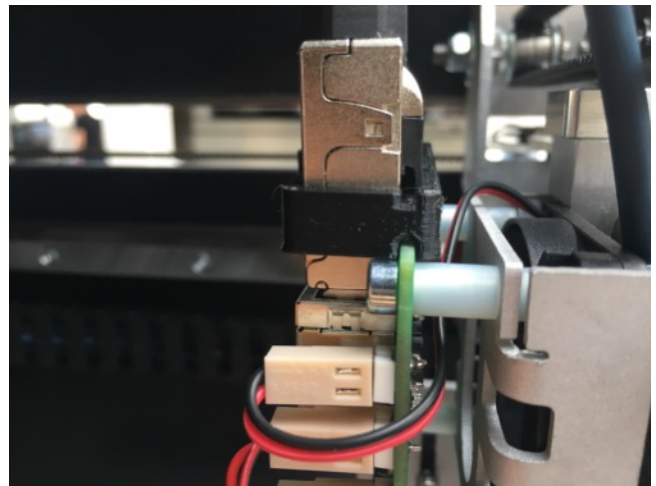
3.   Inserting the cables into the bracket

It is important to know that each cable has its own slot. The middle slot is a bit smaller and used for the motor cable, the two remaining slots can be used for the RJ45 cables.
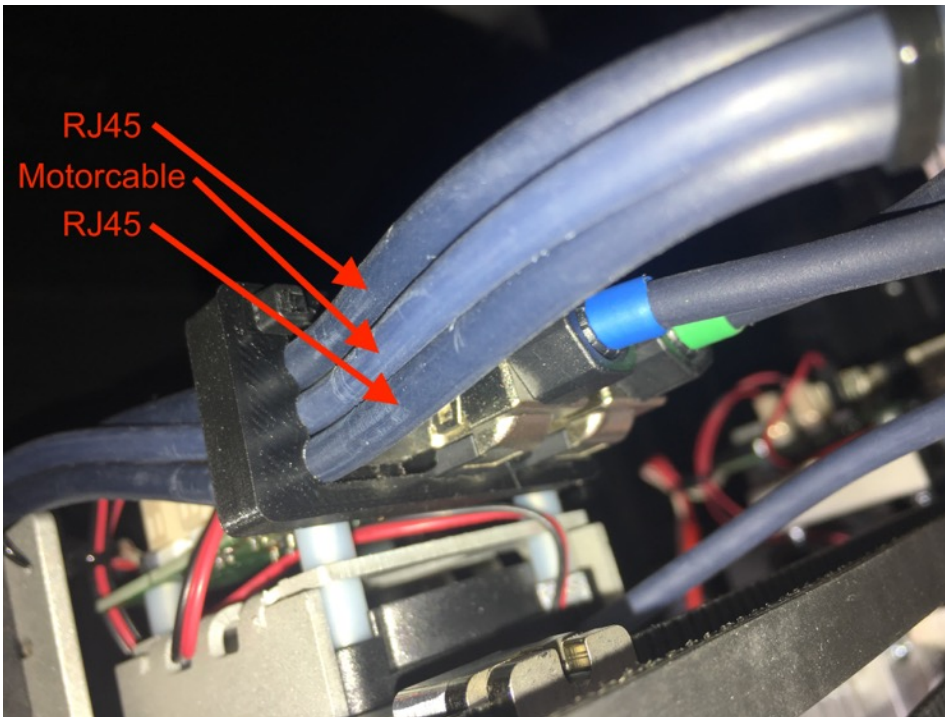
4.   Add tye-wraps to secure everything.

For each printhead two tye-wraps should be used. Please see the picture below. Tye-wrap nr.1 is used to tighten all cables inside the bracket. Tye-wrap nr.2 is used for keeping the cables together. The goal is to have the cables in a static position. Please check that the cables do not collide with the X-motors when in homing position.