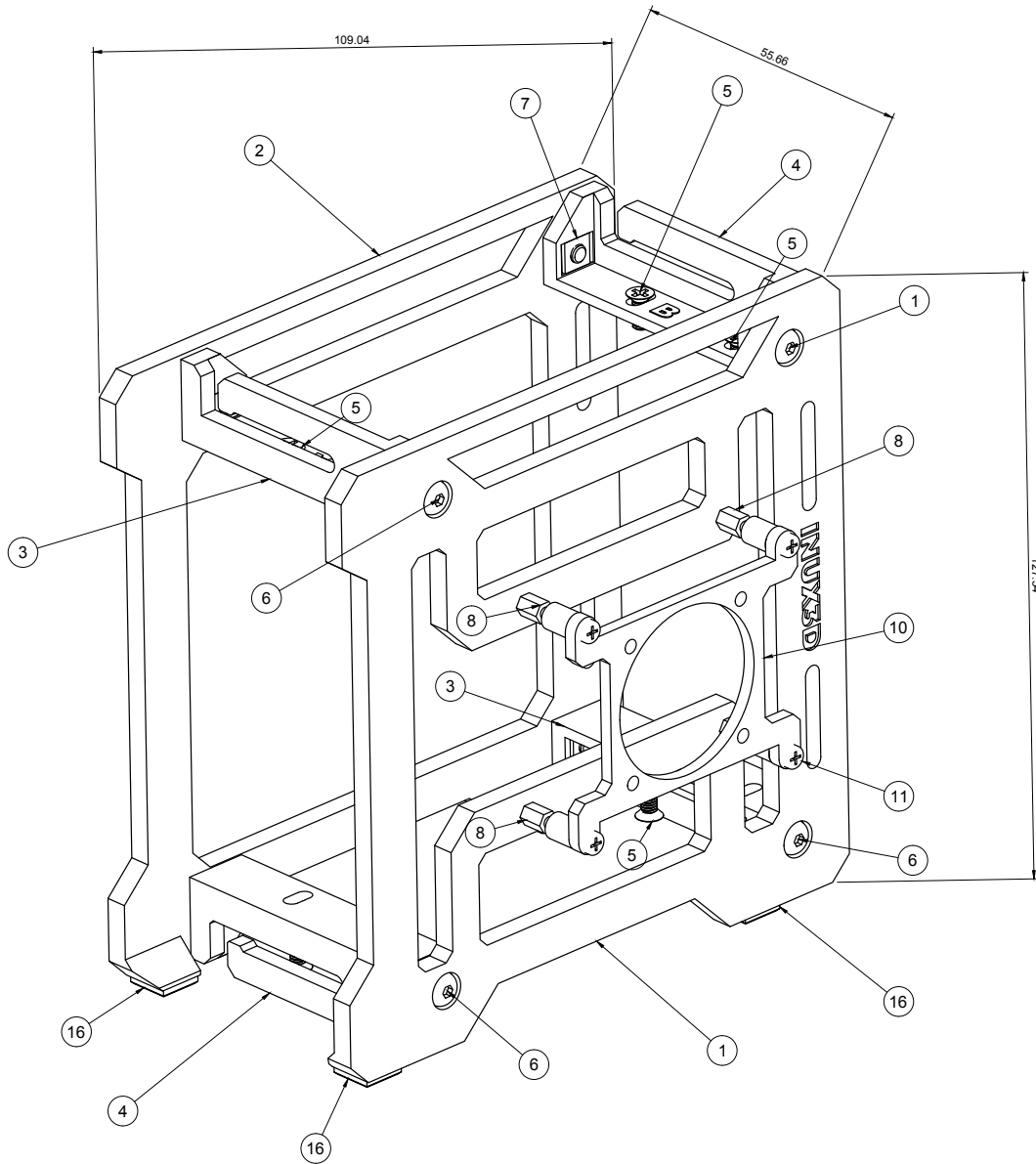


TERRAPI EXTREME DUO - TPXDUO

Assembly Instructions



Biodegradable according
to DIN EN ISO 14855 **MADE IN EU**

Parts of this product were produced with an additive manufacturing process. Minor surface imperfections do not affect the overall product functionality.

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ORANGE - BLACK



BLACK

TERRAPI EXTREME DUO

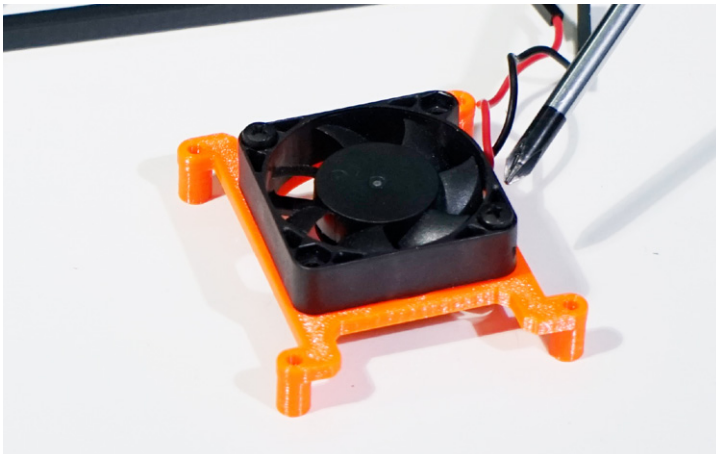
Assembly Instructions Page 2 of 11



On a clear flat surface, lay out all of your parts to assist in the identification of parts and assembly processes

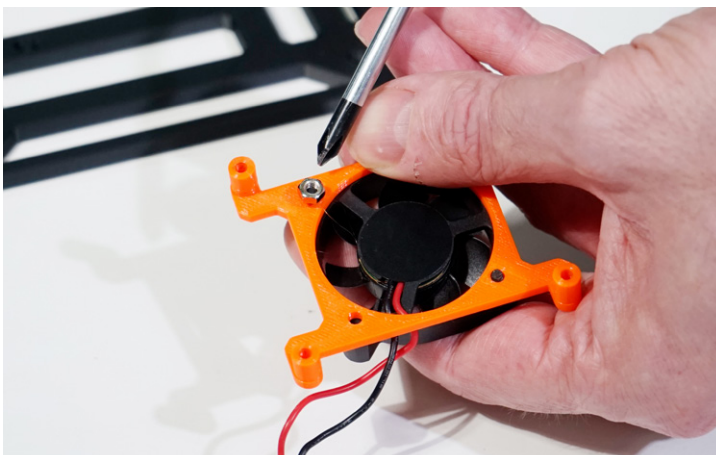


Position the fan over the Fan HAT (Part 10)



Place one of the bolts from the small plastic bag containing the fan into one corner of the fan and through the Fan HAT

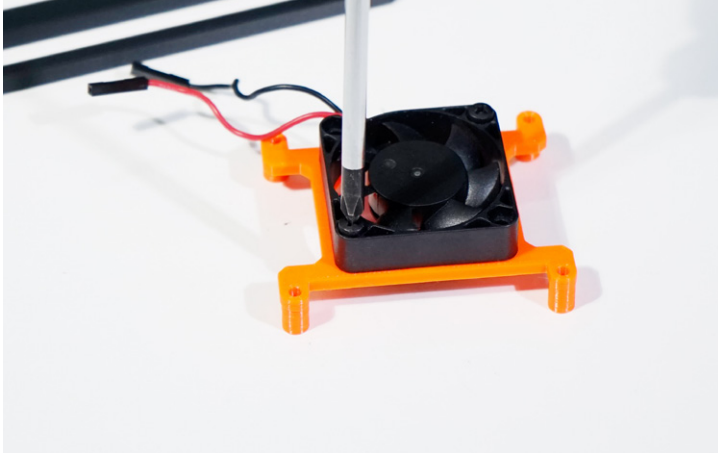
Note the position of the power cables. This is important later



Flip the fan and Fan HAT over and position a fan nut over the bolt and attach the nut to the protruding bolt

TERRAPI EXTREME DUO

Assembly Instructions Page 3 of 11



Flip the assembly over and tighten the bolt and nut

Repeat for each of the fan corners

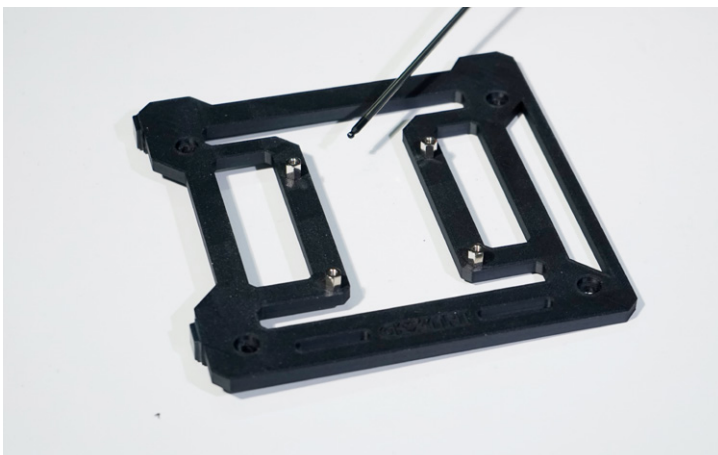


Locate the M2.5 nut recesses on the INSIDE of the RIGHT side plate (Part 1)

Press fit the 4 x M2.5 nuts (Part 9) into the recesses. You may need to hold each nut in place as you insert the standoffs in the next step



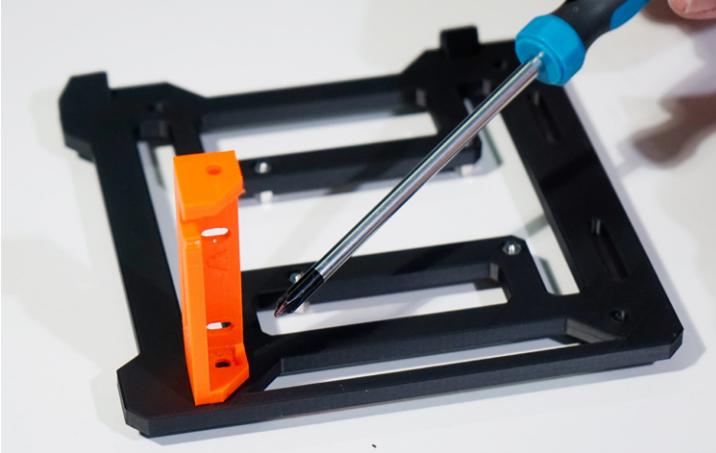
Flip over the RIGHT side plate and screw an M2.5 x 6mm standoff / spacer (Part 8) through the side plate into the M2.5 nut on the other side



Repeat for each of the remaining standoffs

TERRAPI EXTREME DUO

Assembly Instructions Page 4 of 11



Flip over the side plate so the standoffs are facing down.

Position an A Clip (Part 3) in the TOP FRONT corner of the side plate

There is an 'A' visible on the part



Place a Square Nut (Part 7) into the square recess of the A Clip.

Insert an M4x8 bolt (Part 6) from the outside of the side plate, through the A Clip and screw into the Square Nut

*Square Nut colour may differ based on availability



Loosely tighten the bolt into the Square Nut.

You will fully tighten these bolts once your drives are in place



You should end up with something like this example

TERRAPI EXTREME DUO

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Position a B Clip (Part 4) in the TOP REAR corner of the side plate

There is a 'B' visible on the part
The two screw holes of both A and B should now be facing each other



Insert an M4x8 bolt (Part 6) from the outside of the side plate, through the B Clip and into the Square Nut

Place a Square Nut (Part 7) into the square recess of the B Clip.

*Square Nut colour may differ based on availability



While holding the Square Nut and B Clip in place, loosely tighten the M4 bolt into the Square Nut

You will fully tighten these bolts once your drives are in place



You will now position the second A Clip DIAGONALLY OPPOSITE from the original A Clip

Place and attach to the Square nut as before

TERRAPI EXTREME DUO

Assembly Instructions Page 6 of 11



You will now position the second B Clip **DIAGONALLY OPPOSITE** from the original B Clip

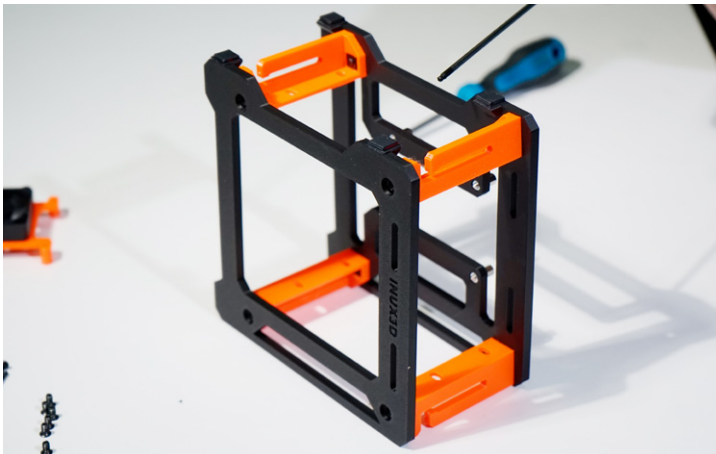
Place and attach to the Square nut as before



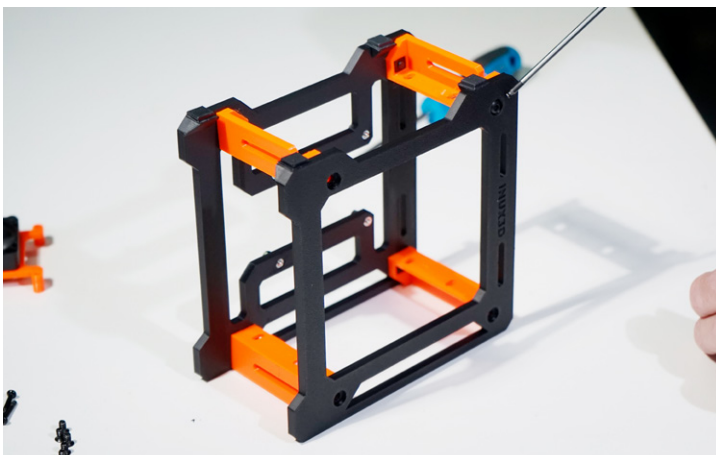
Your assembly will now look something like this. The feet are facing upwrads

Ensure all bolt holes in The A / B Clips are facing up and down

Ensure all cable management slots open **AWAY** from the attached side plate



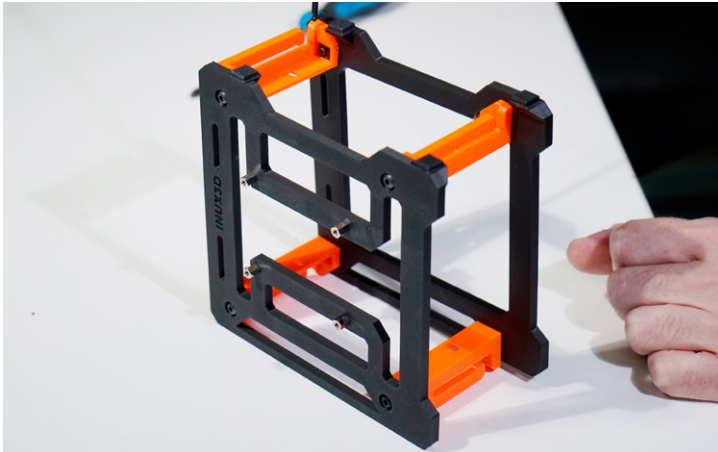
Position the **LEFT** side panel (Part 2) so that the feet match the orientation of the **RIGHT** side panel



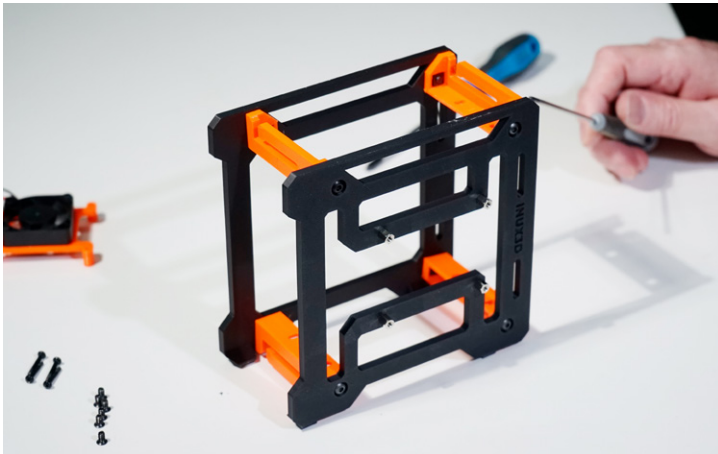
Position an M4x8mm bolt (Part 6) through the **LEFT** side panel and through an end of one of the A or B Clips

TERRAPI EXTREME DUO

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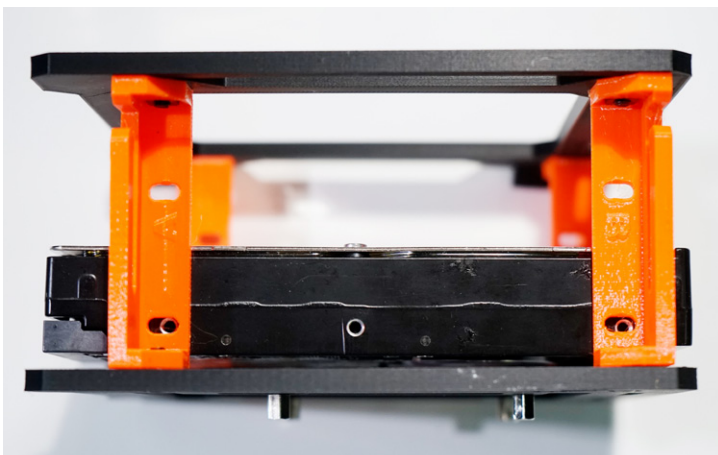
Place a Square Nut (Part 7) over then end of the protruding bolt and loosely tighten the bolt



Repeat for each of the remaining corners so that either side panel are loosely connected to the A / B Clips



*The INUX3D logo designates the REAR of the construction
Insert one of your 3.5" HDD's from the FRONT of the TPXDuo with the HDD ports also facing the FRONT



Slide the first HDD so that the holes for the HDD Screws (Part 5) line up between the HDD and the TPXDuo frame

TERRAPI EXTREME DUO

Assembly Instructions Page 8 of 11



Screw in an HDD Screw (Part 5) into both the FRONT and REAR HDD screw holes

Don't fully tighten yet

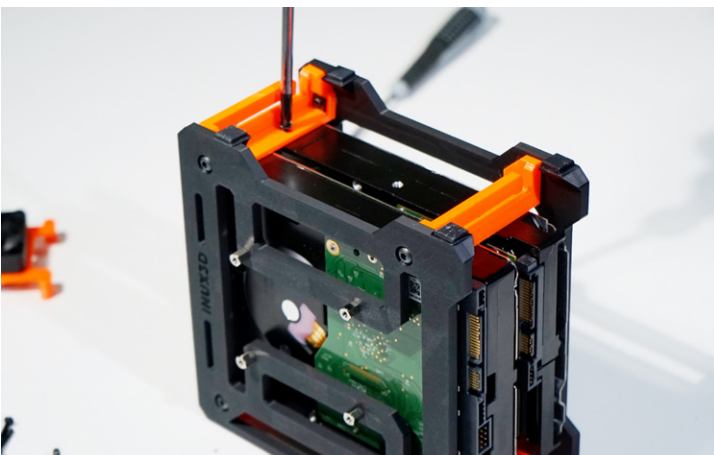
The HDD screw colour may be different in your kit



Now insert the second HDD, align the screw holes between the A / B Clips and the HDD



Loosely tighten the remaining 2 screws and you should have an assembly that looks like this from the TOP



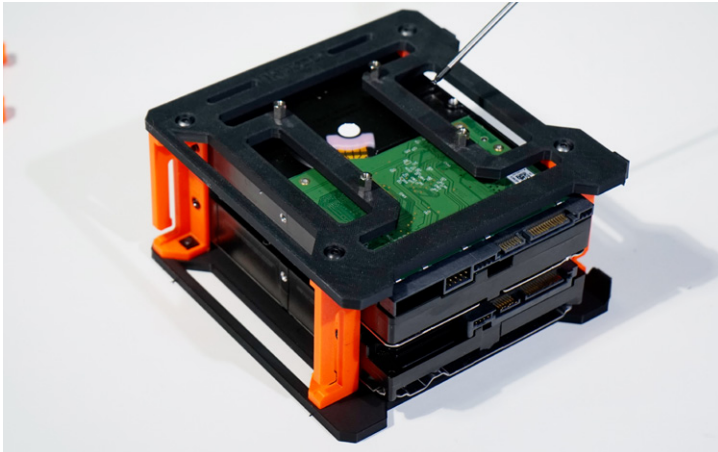
Flip the entire assembly over so that the feet are now pointing upwards

Insert and tighten the 4 HDD screws through the A / B Clips and into the HDD

You can now flip the assembly and tighten the other 4 screws

TERRAPI EXTREME DUO

Assembly Instructions Page 9 of 11



To install your Raspberry Pi, lay the assembly on the LEFT side so that the metal standoffs are facing upward and the HDD connections are facing you



Roughly position the RPi as pictured and prepare to affix the supplied heat sinks to the RPi



Affix the heat sinks on the RPi BEFORE attaching the Fan HAT (Part 10)



Place the Fan HAT and fan assembly over the RPi.

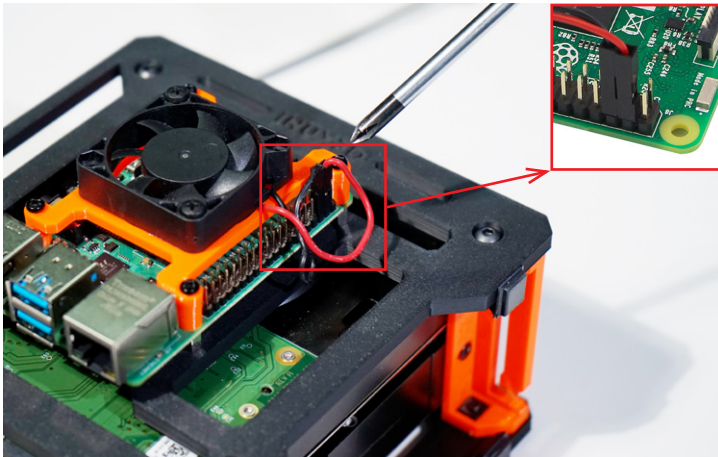
Line up the holes with the standoffs under the RPi and insert and loosely tighten an M2.5x16 (Part 11) into one of the corners

TERRAPI EXTREME DUO

Assembly Instructions Page 10 of 11



Insert and tighten all M2.5x16 screws to secure the Fan HAT assembly and the RPi to the TPXDuo



Connect the Fan to GPIO Pins 4 and 6 on the RPi

Double check these BEFORE powering anything on



Install the 4 rubber feet (Part 16) as shown



Connect the SATA adaptors
Depending on which USB -> SATA adaptors you purchase, they may look different than the one in the diagram.

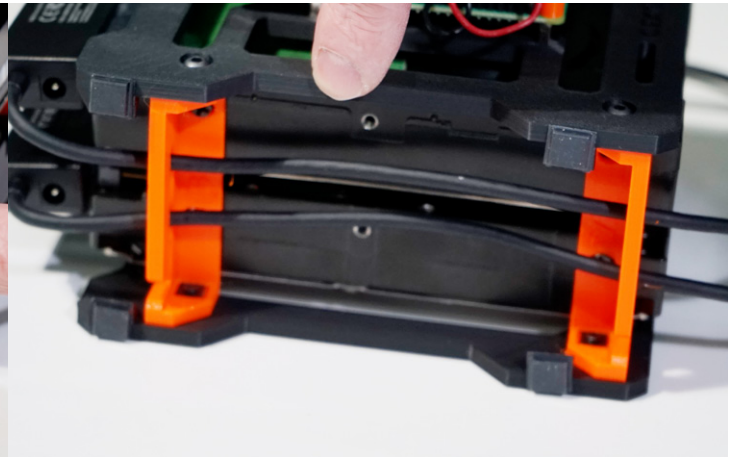
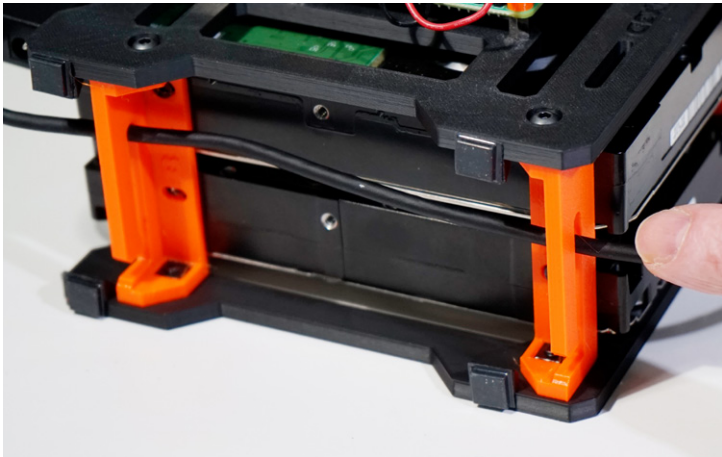
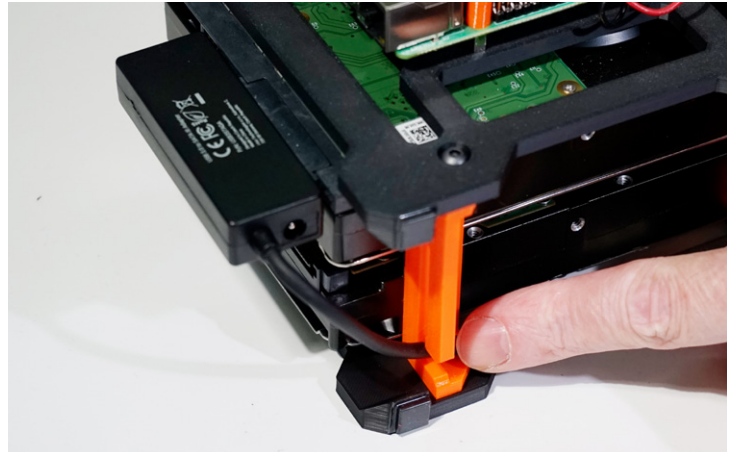
Ensure you have purchased POWERED SATA connections for any 3.5" HDD

TERRAPI EXTREME DUO

Assembly Instructions Page 11 of 11

Route both SATA cables through the A / B clips as shown in the following images and attach to the USB 3 ports of your RPi

Depending on which power supplies you purchased, you can route those through the A / B Clips too



Congratulations you've successfully completed the TerraPi Extreme Duo build

If required, tidy up any cables with zip ties or Velcro