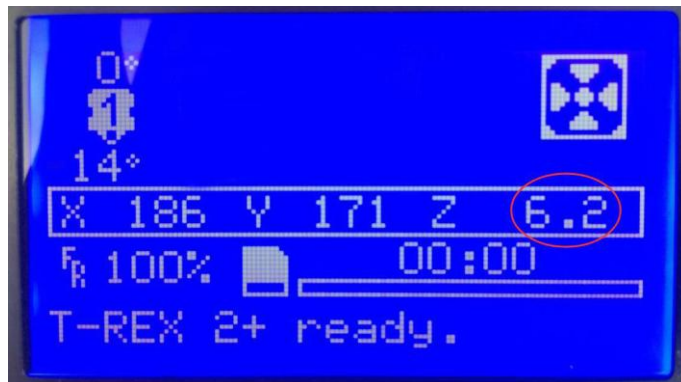


Raptor adopts 36 point bi-linear mesh bed leveling, much more precise than ordinary auto bed leveling. Before leveling, you need to set the Z offset according to below steps first:

Choose "Prepare" -> "Auto home"

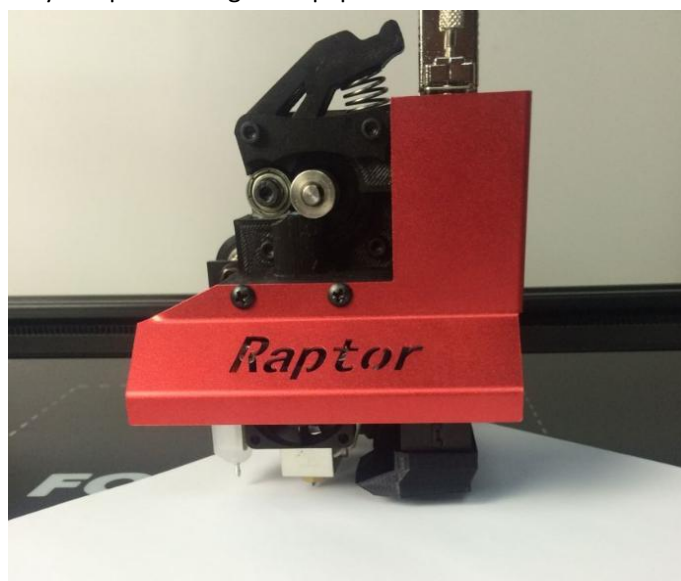


Now you can see the Z axis coordinate, please remember that value as Z1.



Then choose "Prepare" -> "Move axis" -> "Move Z" -> "Move 0.1mm".

Put an A4 paper between nozzle and bed, rotate knob anticlockwise to move down Z axis until it only can pass through one paper.



Then you can see the current Z axis coordinate, remember that value as Z2.

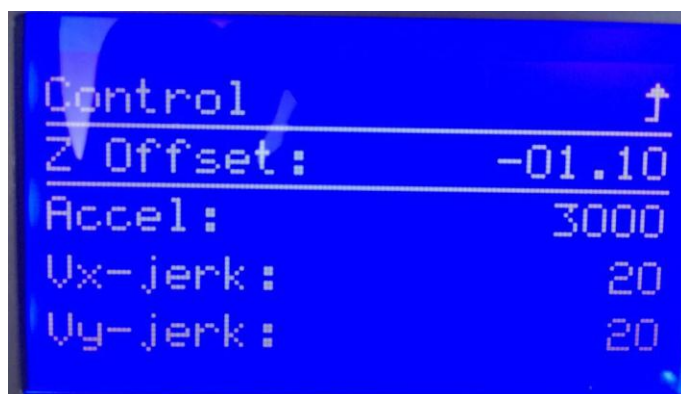


Finally calculate the Z offset by below formula:

$Z \text{ offset} = -(Z1 - 5 - Z2)$  5 is a safety value for Z axis lift up

So here Z offset should be  $-(6.2 - 5 - 0.1) = -1.1$

Then choose "Control" -> "Motion" -> "Z Offset", set the Z offset as the value you calculated by above formula.



And save the Z offset by choose "Control" -> "Store memory".



If it's saved successfully, you'll hear a beep sound. After restart printer, the Z offset will be still the value you set.

Then choose "Move axis" -> "Move Z" -> "Move 1mm", and lift up Z axis 5mm around by rotate knob clockwise.

