SatNOGS

SatNOGS Ground Station v2 Electronics Assembly
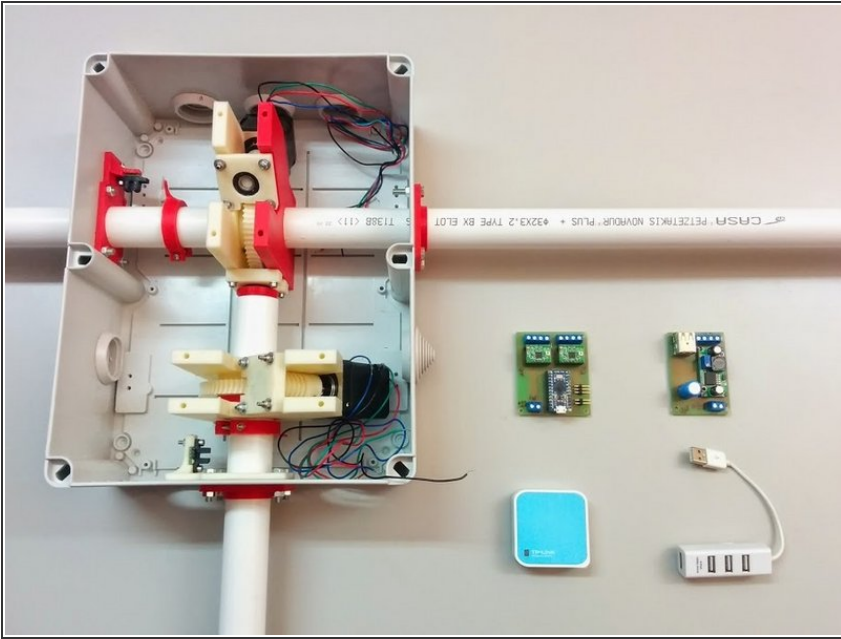
Written By: Pierros Papadeas

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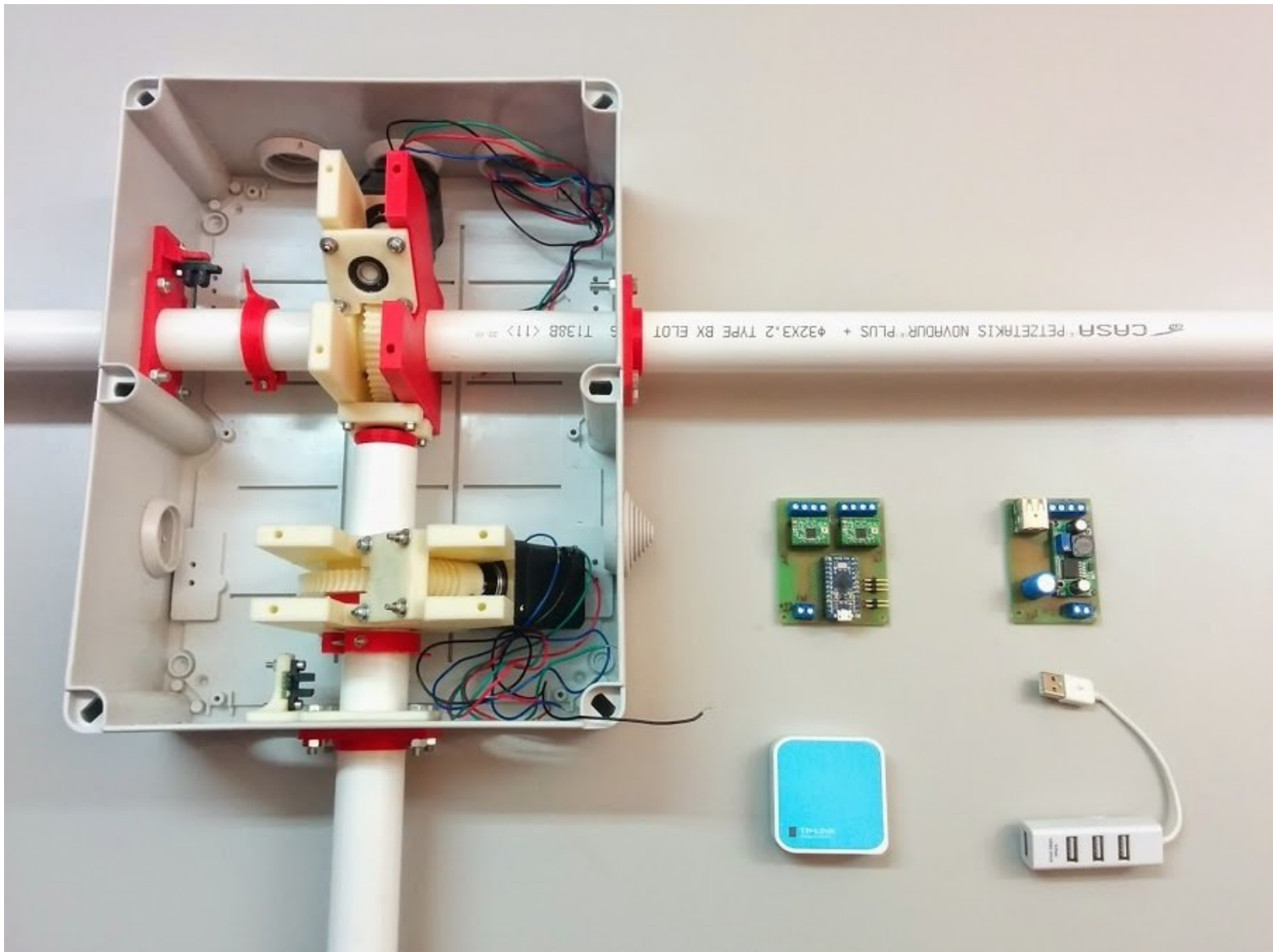
INTRODUCTION

To feel the world, feel the creatures,feel internal .CN:为了更好的了解世界，了解他人，了解自己。
"见天地，见众生，见自己"

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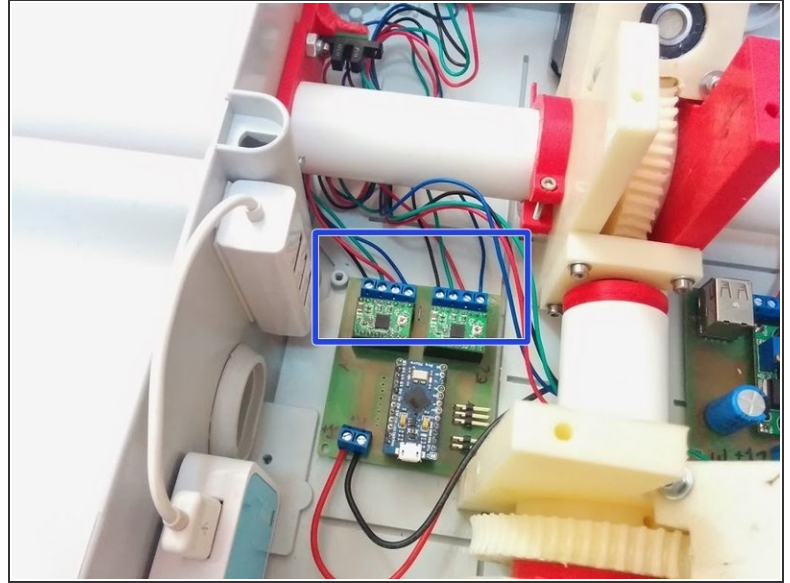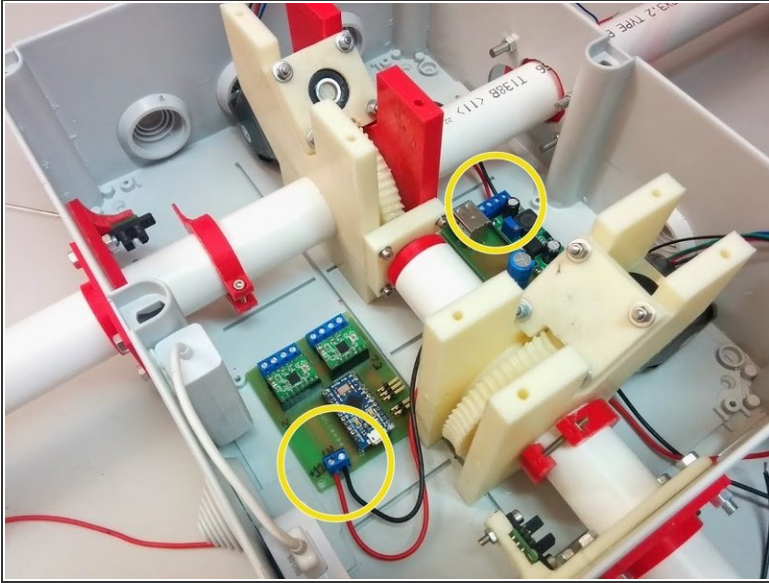## Step 1 — SatNOGS Ground Station v2 Electronics Assembly

- **Electronics Assembly** You will need: CN: 电路组装

  - The SatNOGS v2 Mechanical Ground Station Assembly. CN: SatNOGS v2 的地面基站机械部分组装

  - TP-Link WR703N

  - SatNOGS PCB. CN: 印刷电路板部分，下同

  - SatNOGS PSU PCB

  - A 4 port USB hub. CN：4端口的 USB hub

  - 2 USB micro cables. CN: 2条USB 迷你连接线

  - One double wire for 12V to SatNOGS PCB

Step 2
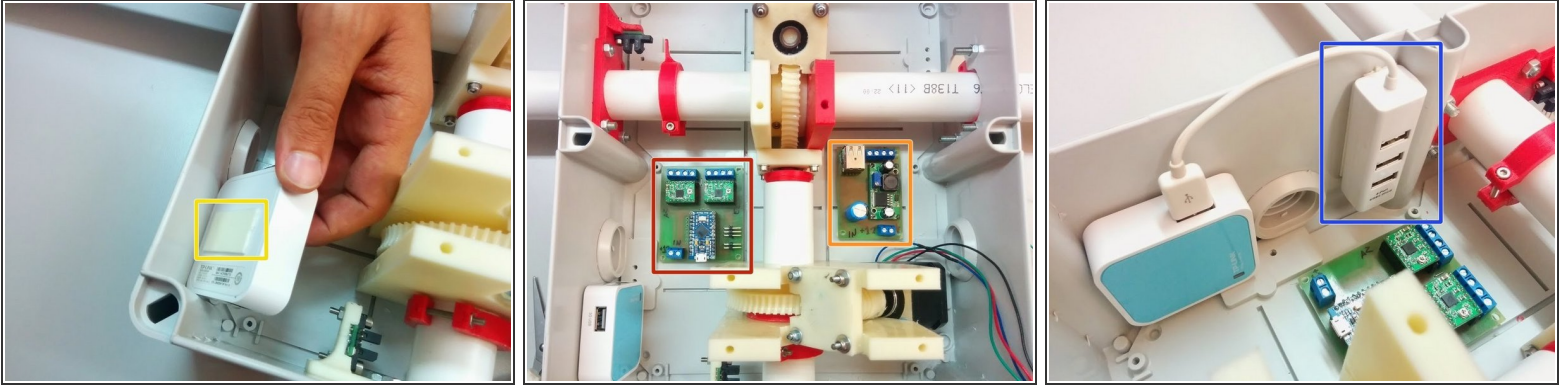
- Using double sided foam tape, place the TP Link on the side as shown. CN:用发泡双面胶把TP Link路由器粘贴在一侧

- Place SatNOGS PCB as shown (with foam tape).CN:把发泡双面胶带及PCB板放在图示位置

- Place SatNOGS PSU PCB as shown (with foam tape).CN:同上

- Stick with foam tape and connect the USB hub as shown.CN:按图示粘贴及连接USB hub

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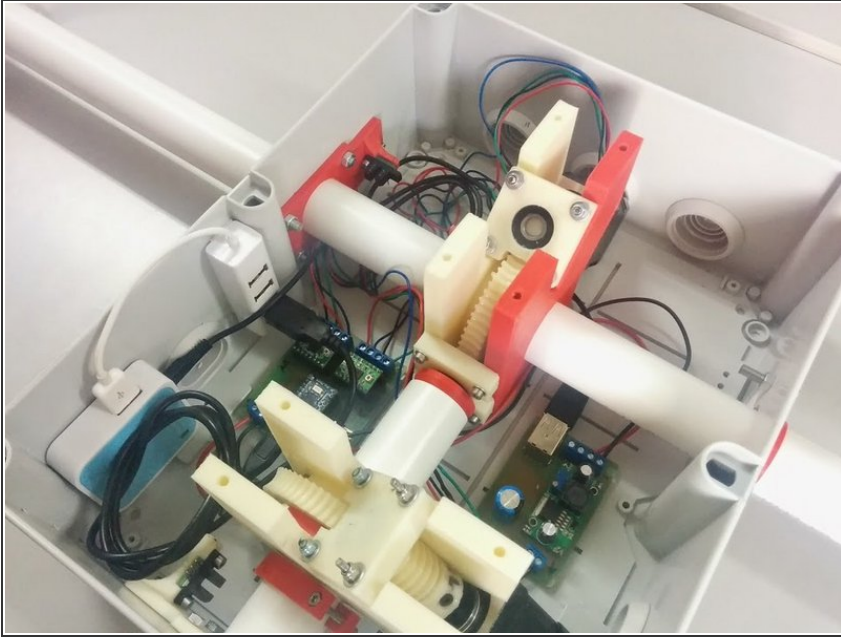© 2021 satnogs.dozuki.com/ Page 4 of 6

Step 3

- Wires are next:

  - Connect 12V from PSU PCB to PCB using two wires as shown.CN:把两块PCB板的12V电源线(红色)和地线(黑色)接好

  - Connect Stepper motor wires as shown.CN:把步进电机的导线如图示接好

  - (i) Refer to Stepper motor documentation for specifics on colors of wires.CN:如果花花绿绿的线分不清请看详细文档——步进电机部分

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Step 4

- You will need 2 USB micro cables.CN:需要两个迷你USB线

  - One USB micro cable should start from the PSU PCB and end to TP-Link (for power supply).CN:其中一条从PSU板子连到TP Link，用于供电

  - The other USB Micro cable should start from the USB Hub and end to the Arduino Micro (for data connection).CN:另外一条从USB hub到迷你Arduino的板子，用于数据传输

- You have now finished all electronics setup of your Ground Station.CN:现在你已经完成了电路部分的组装

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