

EASY GUIDE



STEP 1: COMPONENTS CHECK

15 pieces in total:

7 x RESISTORS



1 x RED BOARD (PCB)



3 x SWITCHES



1 x USB CONNECTOR



3 x R/Y/G LIGHTS



STEP 2: SOLDER RESISTORS

- Bend resistor leads to suit holes
- Insert all 7 resistors on board in correct location (R1 to R7):

R1: brown, black, orange



R2: red, black, orange



R3: orange, white, orange



R4: brown, black, orange



R5: green, blue, black



R6: yellow, violet, black



R7: yellow, violet, black



- Flip board and solder all resistor leads
- Trim off excess leads with cutters

STEP 3: SWITCHES & LIGHTS

- Insert 3 switches to align with holes in board – they only fit one way
- Insert 3 lights in correct order: long leg towards top of board, short leg in bottom hole (closest to HiTech logo)
- Flip board and solder all pins
- Trim off excess light legs with cutters

STEP 4: USB CONNECTOR

- Insert USB connector at J1 (left top)
- Flip board and solder two big lugs and then the four small pins, making sure not to bridge any pins with solder

STEP 5: QUALITY CHECK

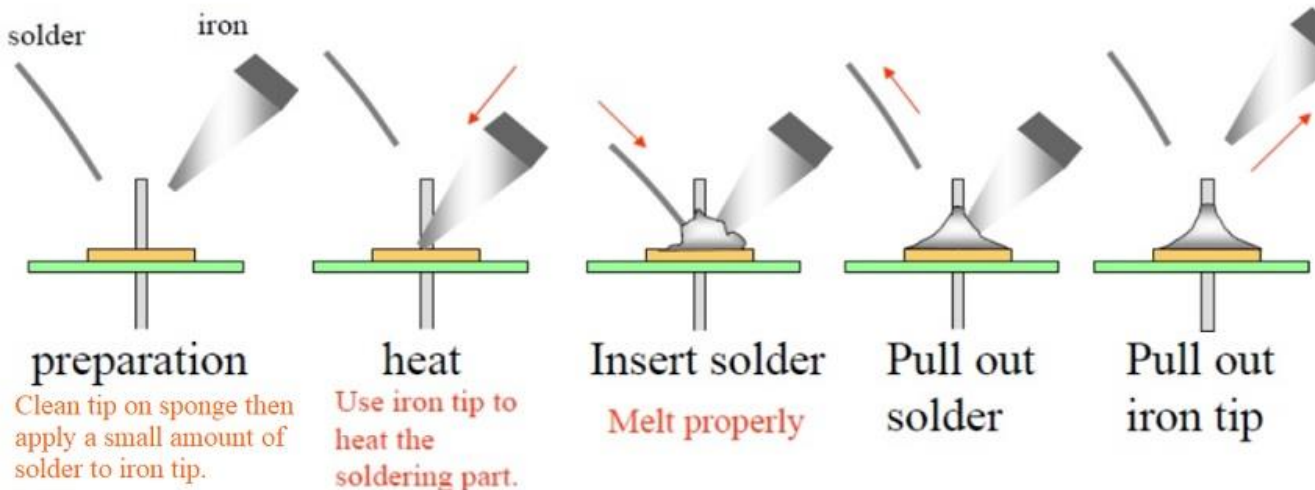
- Check for incompletely soldered joints
- Check for bridged joints
- Remove excess solder using solder wick, and resolder

YOU HAVE

FINISHED SOLDERING !!!

WOOHOO !!!

- Take board to programming station!



NOTE:

Solder will not alloy if the parts and solder are not fully heated.

The soldering iron is not just to heat and melt the solder, but to heat the part being soldered.