

Payne Arduino DIY Remote Control Transmitter Manual

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Overview:

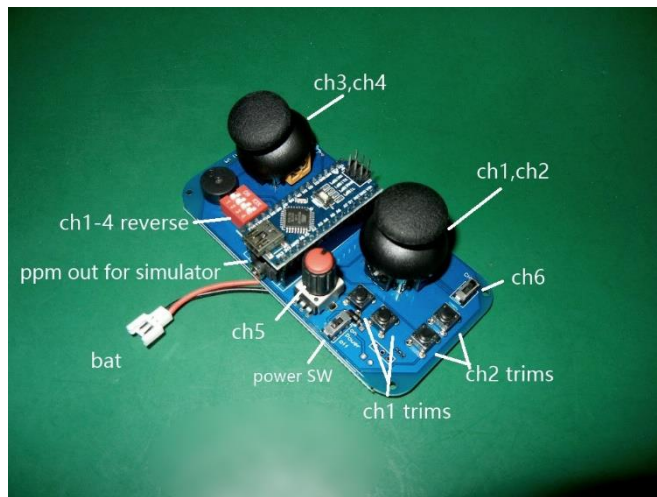
“Payne DIY Remote Control Transmitter” is designed by Payne Pan as for learning and simple DIY. Now it evolves Version 4, V4 based on Arduino Nano, Nano have usb-ttl chip on board , so It is more convenient for uploading firmware, V4 use 1S Li-Po as battery instead of using 4 AAA batteries; and more features are added

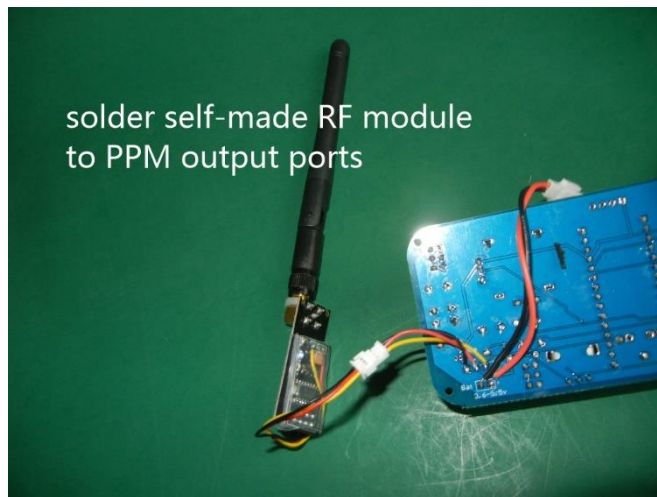
- Reset settings
- Calibrate sticks
- Adjust limits for 1-4 channels

Payne Open Source RC only output PPM, and it has no RF module, you can use other Tx module or self-made one (such as “Multi Protocol TX” module)

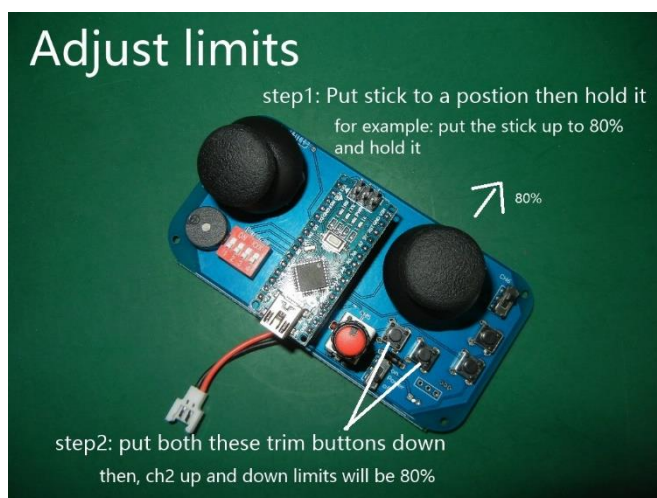
Since it is for study, no license, nor warranty granted.

Open the source in Arduino IDE, chose board "Arduino Pro or Pro min". processor as "ATmega 328p(5v,16M)",then you can compile and upload the firmware. Hope you enjoy it!





Special functions

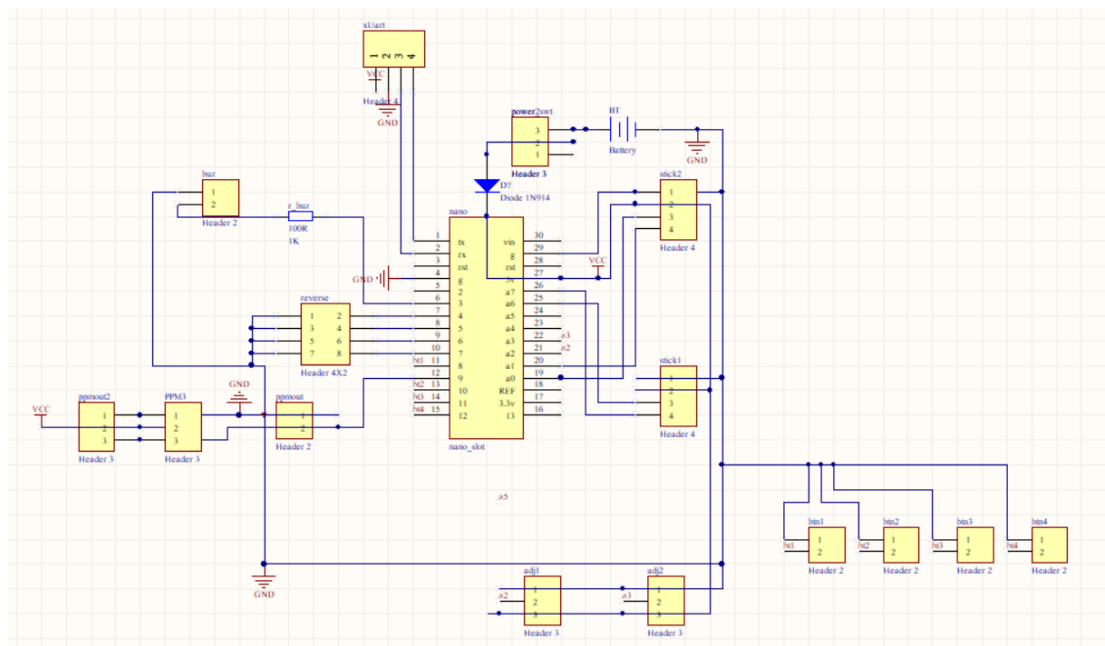


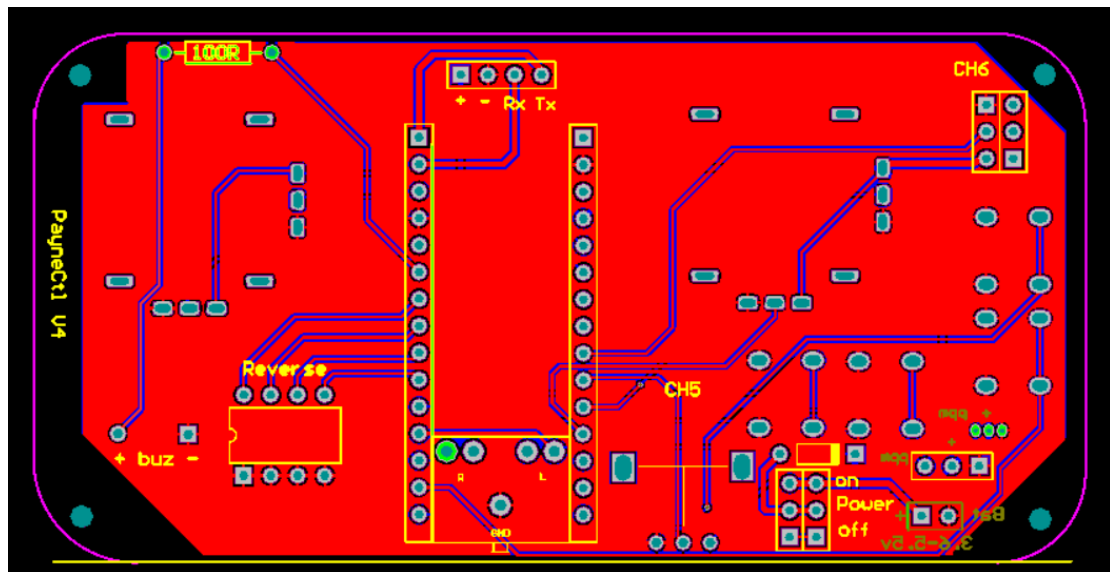
Reset Settings



Put these three button down in the same time
settings will be reset

Sch and PCB





Source

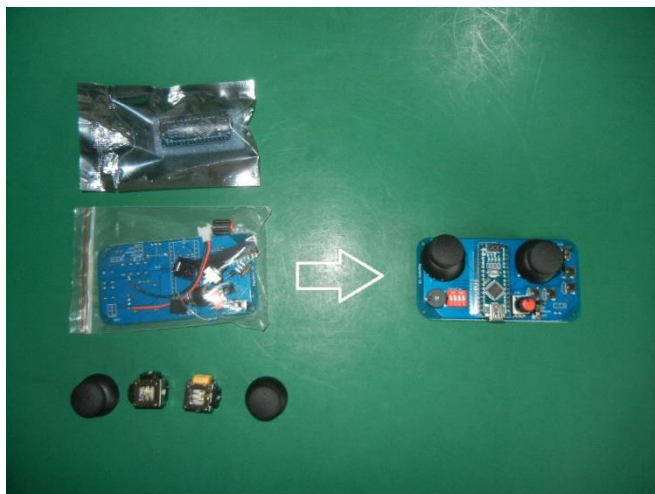
attached below



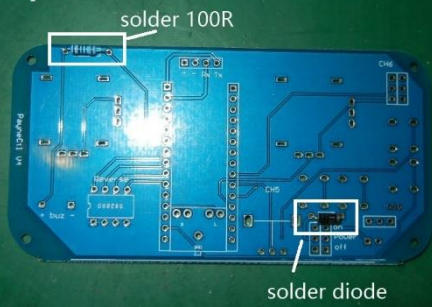
source.zip

Solder helps

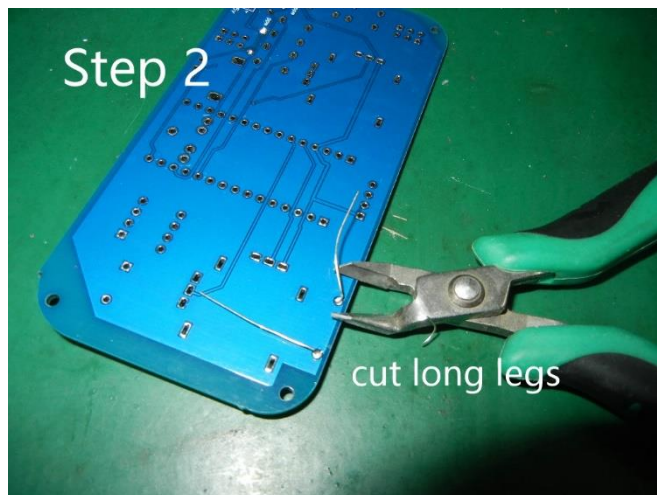
DIY Is interesting magic



Step 1



Step 2



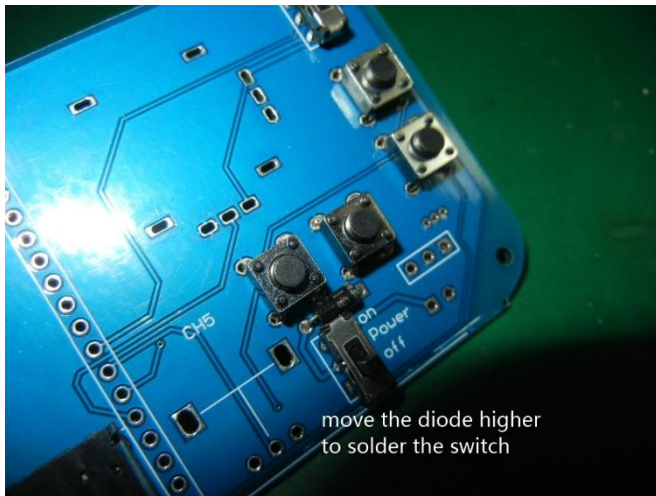
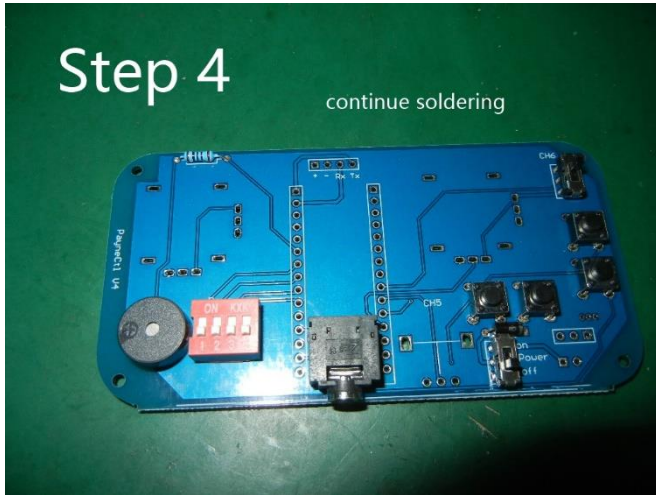
Step 3

Solder other lower parts

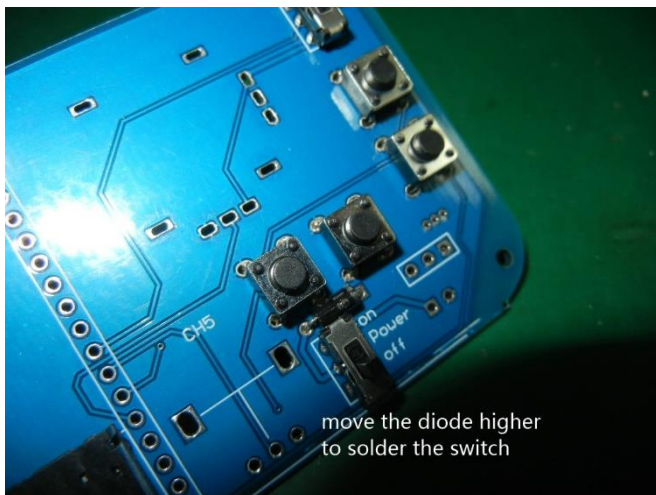


Step 4

continue soldering



move the diode higher
to solder the switch



move the diode higher
to solder the switch

Step 5

solder the highest parts



Step 6

solder the wire to connect battery

