SNRM44 大功率遥控说明书

概述：本款16通道2.4GHZ遥控器+接收板套装，可控制6个马达正反转。使用前遥控套装需要先对频(本款为自动搜索对频模式），遥控器和接收板配对好后，就可以一对一 进行遥控操作,可以多套遥控器同时使用而不受互相干扰，简单的说，就是你如果把2套以上的遥控套装DIY到某个设备（例如玩具车、机器人），就可以同时操作,而不会有任何干扰。

一、套装配件清单:遥控器1个，接收主板1片，小螺丝刀1把，说明书1份，

二、参数说明

1、遥控器工作电压：DC3V（注意：遥控器发射板安装2节1.5V的普通电池，尽量不要使用南孚，金霸王，双鹿强碱性及充电池 ，以免在开机瞬间由于电力过强而烧坏电路板控制芯片。

2、接收主板工作输入电压范围：DC 6V-15V （可以使用电压范围内的任何电源设备，建议使用6V-12V 4.5AH以上的电瓶做电源）

3、接收主板工作输出电压电流：输出电压=输入电压，7路输出/每单路输出最大持续工作电流5A。

4、接收板尺寸：8.8CM*4.8CM

5、实测遥控距离：接收板裸露，天线竖起离地高度10厘米，宽敞地面实测最远遥控距离30-50米，遥控船时，受水面水波和地水面高度落差影响，遥控距离会缩半.

三、操作说明

1、对频方法，打开遥控器开关，再接通接收板的电源，遥控器的指示灯闪烁，就是自动对频状态了,闪到不闪了就表示对频完成 ，一般10秒内即自动对频完成；然后就可以开始使用了，按下各自的按钮，就能控制接收主板相对应电路输出电压。

2、对频成功后接收板带自动记忆功能，一般下次使用无需再对频；遥控器无对频记忆功能，如果遥控器的开关关掉（断电）再重新开，就会出现断频的情况，就需要重新按照上述步骤重新对频！所以操作过程中尽量不要关掉遥控器的开关。

四、接线说明

1、接收板供电电源需为直流电压DC 6V-15V，主板供电接口的V+端接电源正极，V-端接电源负极。请认准电源正负极，不可接反，接反即烧板！

2、M1为第1路输出，M2为第2路输出，M3为第3路输出，M4为第4路输出，M5为第5路输出，M6为第6路输出，M1-M6输出接正反转电机马达，接线不用区分正负极，如电机马达运作时，正反转方向颠倒了的话，请把电机的2根线反接就可以重新调节好转向；M7为第7路输出，接LED灯，需认准正负极，+为输出正极，-为输出负极。

3、SP+和SP-为挖掘机仿真音效喇叭（无配送）预留焊线端，如需要此功能，请自行选配8欧0.25瓦的小喇叭，接上导线焊上即可。

4、ANT为高频短波接收天线，垂直（竖起了）安装，不能延长，接长会影响接收距离。

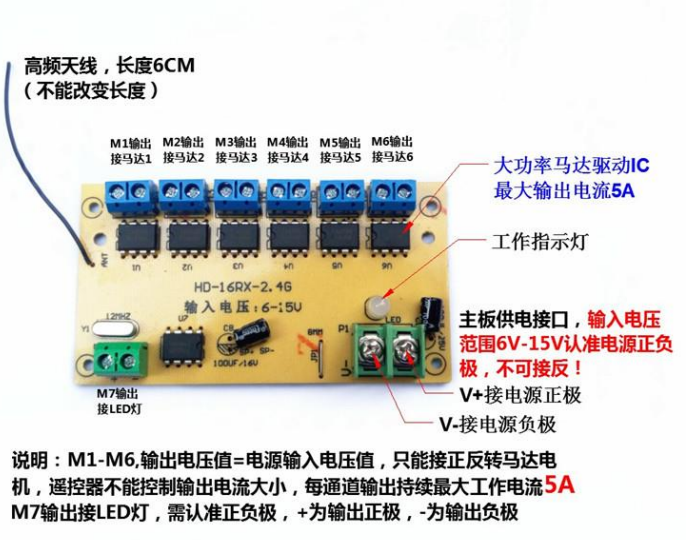
五、提示

接收板单路输出最大持续工作电流为5A。一般接工作负载电流小于5A的马达，大马达请慎用！接收板带不动，马达不能转或转得很慢时，就不能硬按着遥控器让它转！马达堵转时电流大，容易烧坏驱动IC！

六、保修条款

1、由于电路板是特殊商品，个人DIY的不稳定操作性，接收板不接受退换货和售后；

2、自购买之日起3个月内，接收板只要不是烧坏的其它任何问题 ，本店可以提供1次免费维修，需联系本店客服并登记申请维修！来回邮费AA制，各自承担寄付！



说明：M1-M6,输出电压值=电源输入电压值，只能接正反转马达电机，遥控器不能控制输出电流大小，每通道输出持续最大工作电流5A
M7输出接LED灯，需认准正负极，+为输出正极，-为输出负极

SNRM44 high power remote control manual

Generous: This 16-channel 2.4GHZ remote control + receiver board can control 6 motors forward and reverse. Before using the remote control kit, you need to first frequency (automatic search frequency). After the remote control and the receiver board are paired, you can remotely operate one-to-one. You can use multiple remote controllers at the same time without interference. if you DIY two or more remote control kits to a device (such as a toy car or robot), you can operate at the same time without any interference.

list of accessories: 1 remote control, 1 motherboard, 1 small screwdriver, 1 manual,

detail：

1. Remote control working voltage: DC3V (Note: The remote control transmitter board is equipped with two AA 1.5V batteries. Try not to use Nanfu, Duracell, Shuanglu strong alkaline and rechargeable batteries, to avoid excessive power during the booting moment. And burn out the board control chip.

2, motherboard working input voltage range: DC 6V-15V (can use any power supply within the voltage range, it is recommended to use 6V-12V 4.5AH or more battery for power)

3. Receiver output voltage and current of the main board: output voltage = input voltage, 7 output / maximum continuous working current of 5A per single output.

4, receiving board size: 8.8CM * 4.8CM

5. remote control distance: the antenna is 10 cm away from the ground, and the remote control distance is 30-50 meters. When the remote control ship is affected by the water surface and the ground level, the remote control distance will be reduced by half. .

operating instructions

1. For the frequency method, turn on the remote control switch, and then turn on the power of the receiving board. The indicator light of the remote control flashes, which is the automatic frequency status. If the flash does not flash, it means the frequency is completed, usually within 10 seconds. The frequency is completed; then you can start using it, and press the respective buttons to control the output voltage of the corresponding circuit of the receiving board.

2. After the frequency is successful, the receiving board has an automatic memory function. Generally, there is no need to use the frequency again for the next time. The remote control has no frequency memory function. If the switch of the remote control is turned off (power off) and then re-opened, the frequency will be broken. In the case, you need to re-align the frequency according to the above steps! Therefore, try not to turn off the remote control switch during operation.

wiring instructions

1. The power supply of the receiving board needs to be DC voltage DC 6V-15V. The V+ terminal of the main board power supply interface is connected to the positive pole of the power supply, and the V-terminal is connected to the negative pole of the power supply. Please look for the positive and negative poles of the power supply, do not reverse the connection, and then burn the board!

2. if the direction of reversal is reversed, please reverse the steering by reconnecting the 2 wires of the motor; M7 is LED lights, need to look for positive and negative, + is the output positive, - is the output negative.

3. SP+ and SP- reserve the wire end for the excavator simulation sound effect speaker (no distribution). If you need this function, please choose the small speaker with 8 ohms and 0.25 watts, and connect the wire to the wire.

4, ANT is a high-frequency short-wave receiving antenna, installed vertically (erected), can not be extended, the length will affect the receiving distance.

tips

The maximum continuous operating current of the single output of the receiving board is 5A. Generally, the motor with a working load current of less than 5A should be used with caution. When the receiving board does not move, the motor can't turn or turn very slowly, you can't press the remote control to let it turn! When the motor is blocked, the current is large, and it is easy to burn out the driver IC!