



上课啦

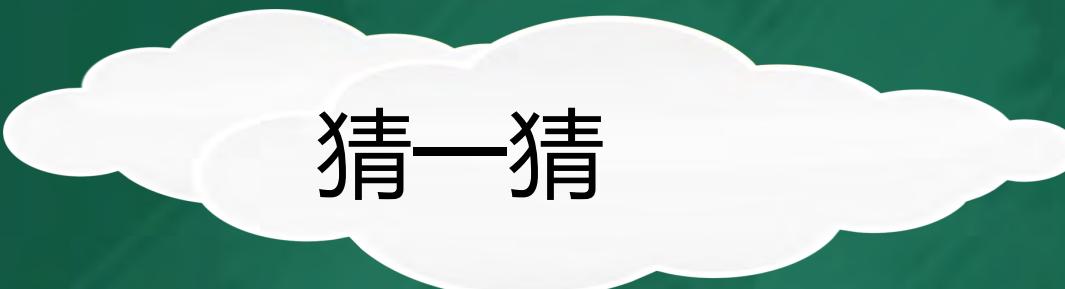
遥控赛车

让孩子们亲自体验



课堂导入





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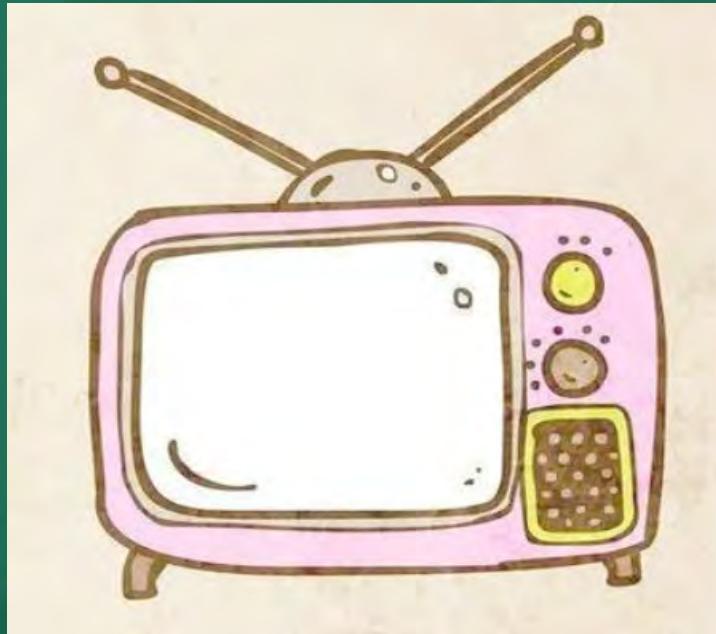




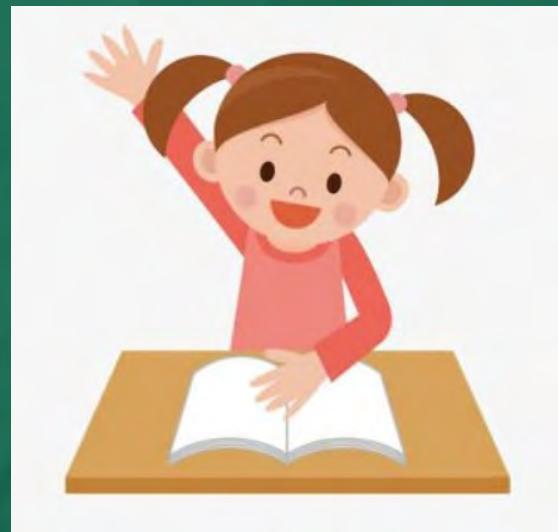
车



同学们，我们如何打开电视机的呢？

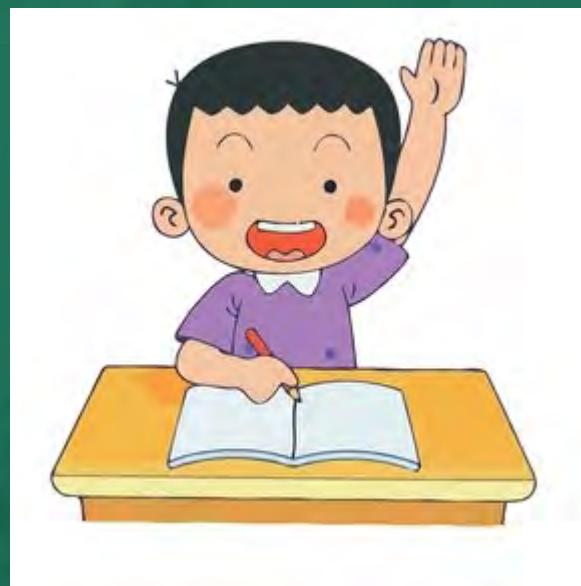
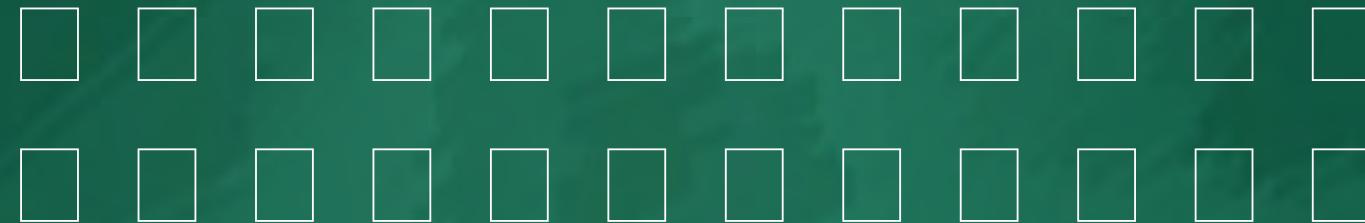


遥控器的原理是什么呢？



红外电遥控器和无线电遥控器的区别是什么呢？





我会说

:

遥控赛车





⑥



这节课让我们一起做

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小实验吧



实验步骤





1

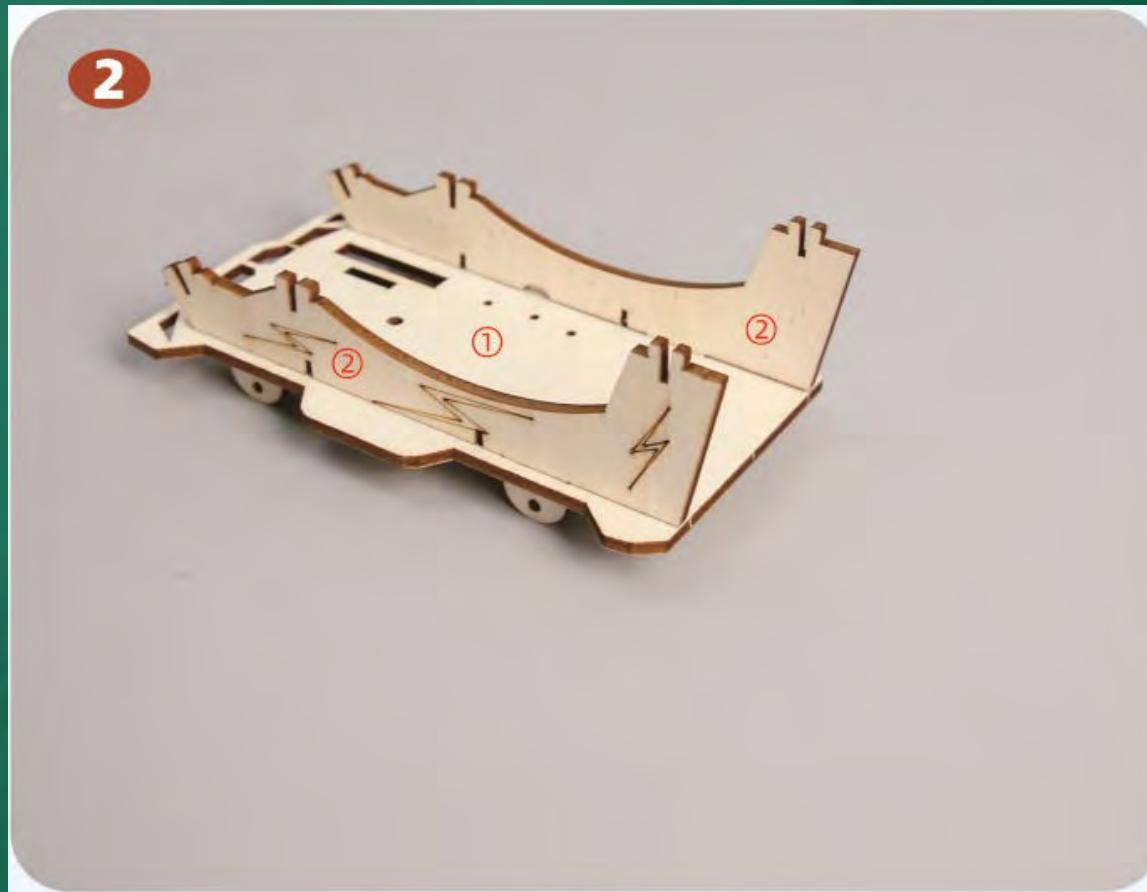
认识材料

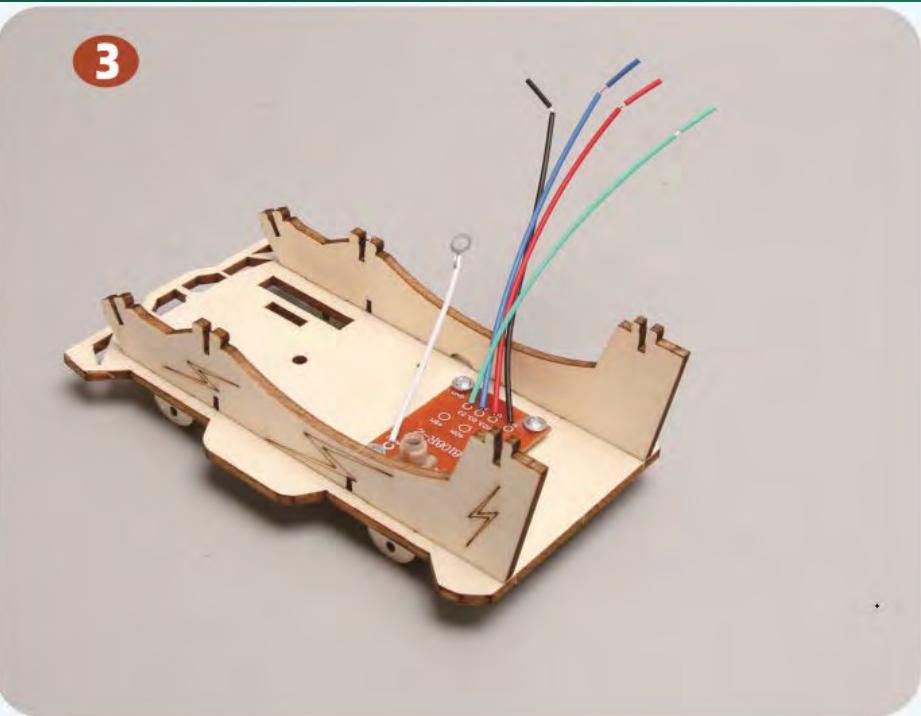




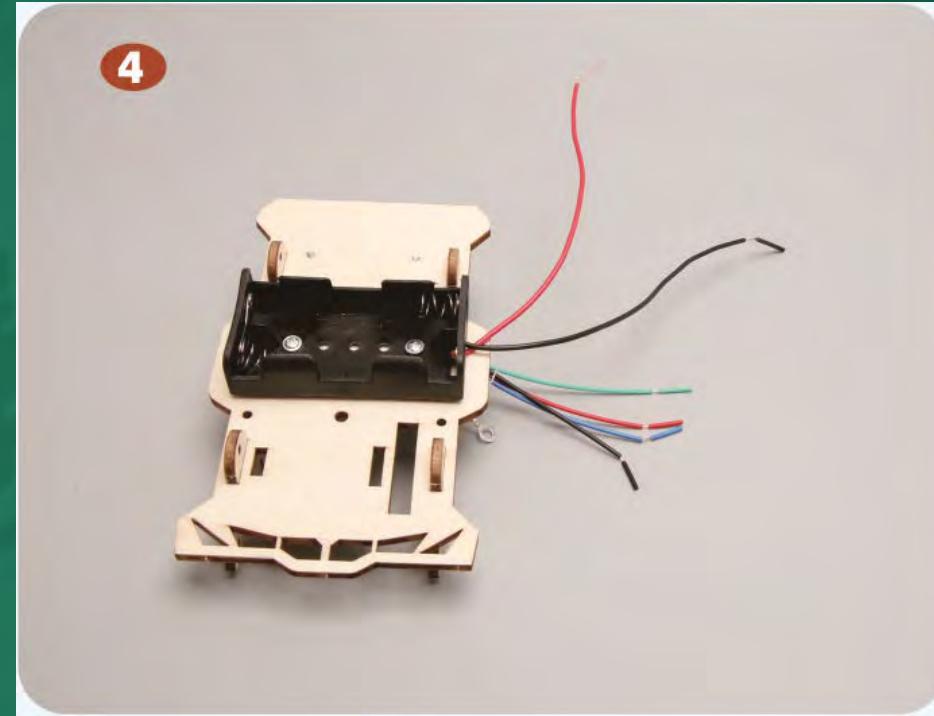
2

如图将两个2号板与1号板组合
并用7mm螺丝固定



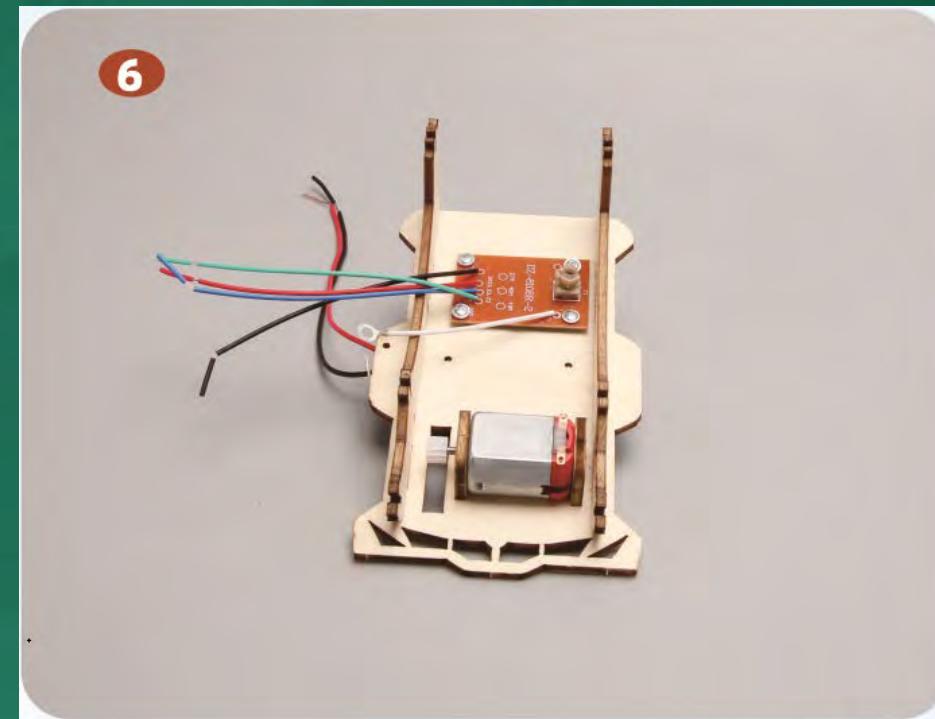
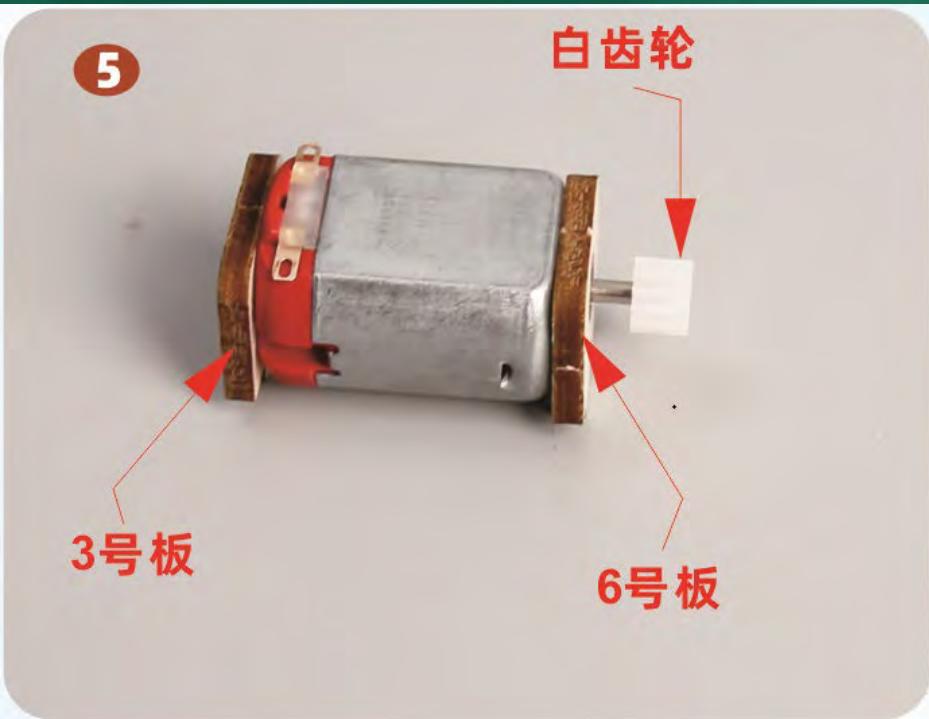


如图将遥控模板A用
7mm螺丝固定在1号
板上



如图电池盒用4mm的螺
丝固定在步骤3的底部



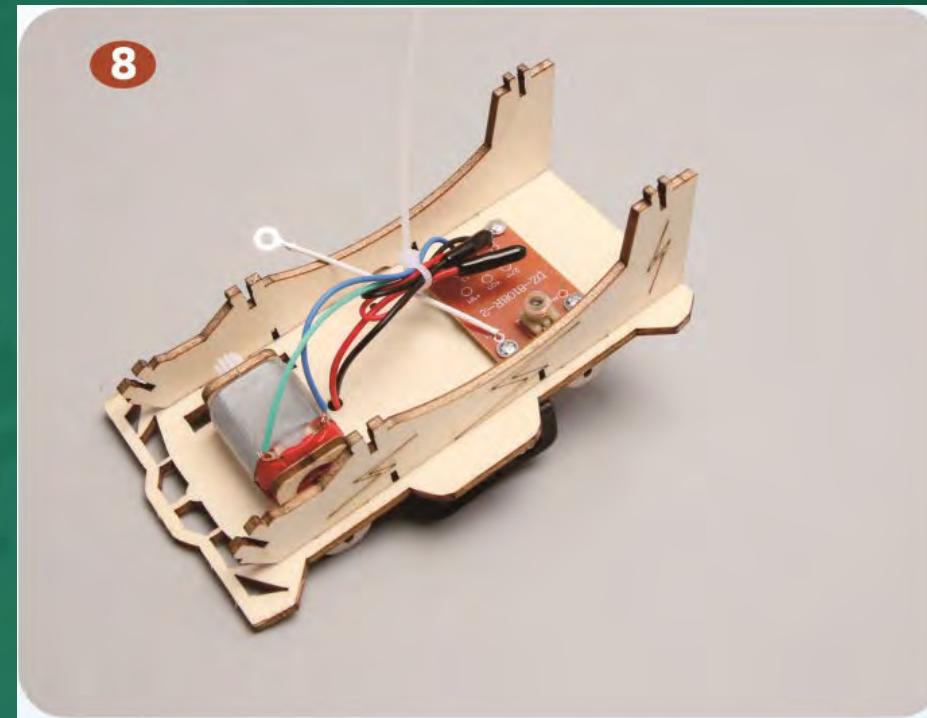
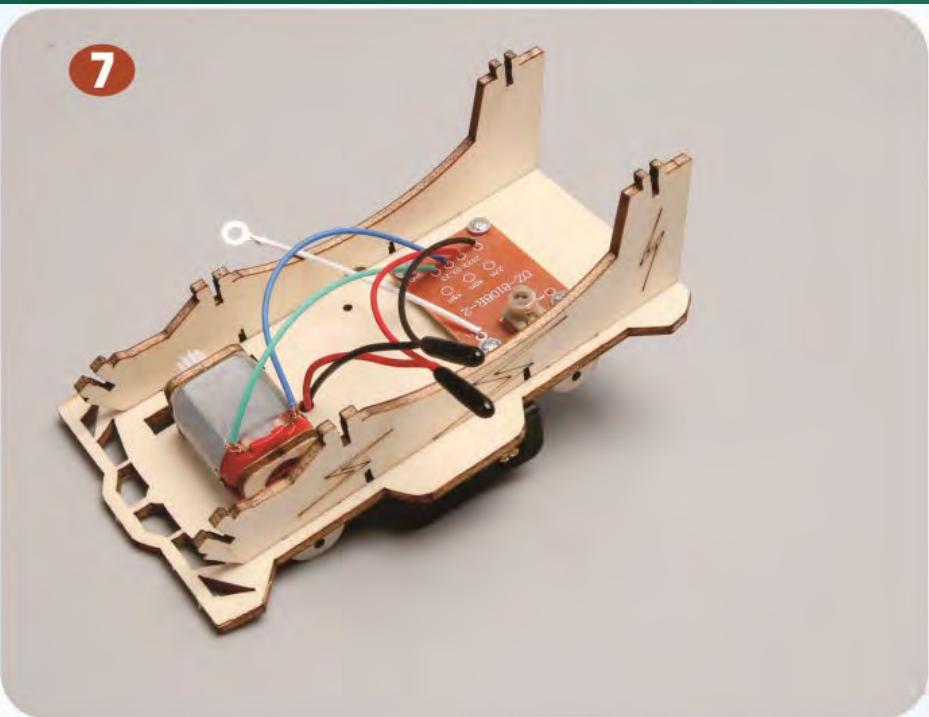


如图将3号板6号板白齿
轮与马达组合(注意先装6
号板后装白齿轮)



如图安装马达并用4mm
螺丝固定



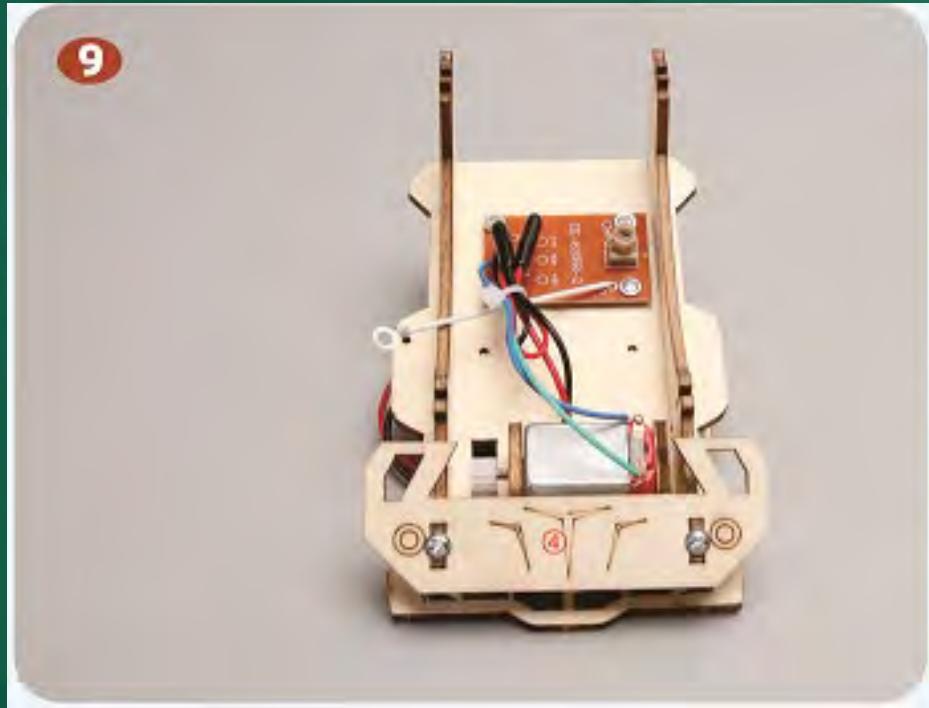


如图将导线链接并用热
缩管隔 离

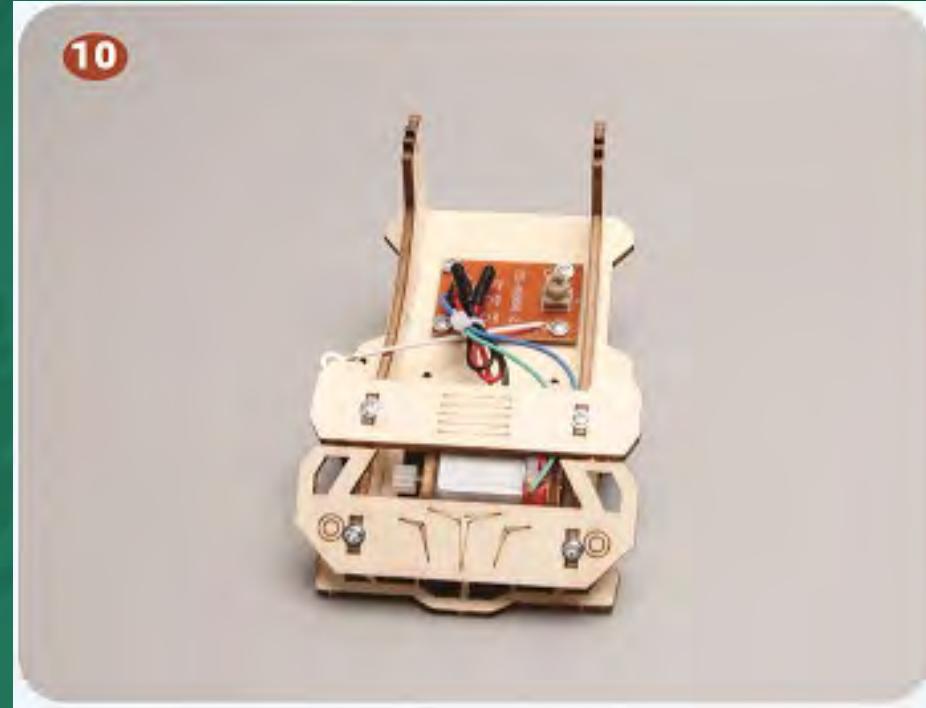


如图用扎带整理好导线



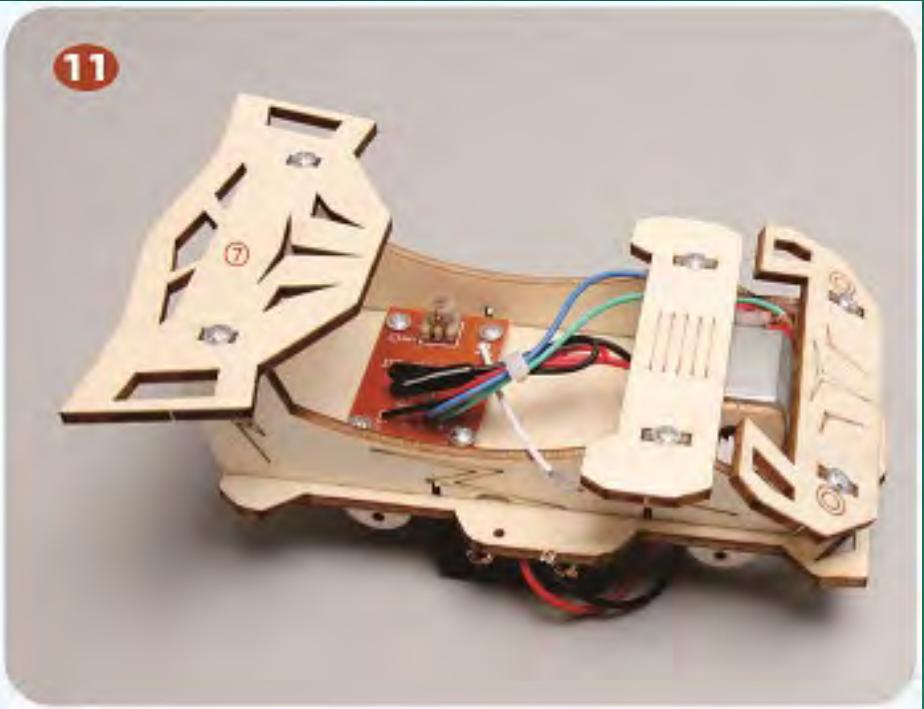


如图将4号板与步骤8
组合并用7mm螺丝固定

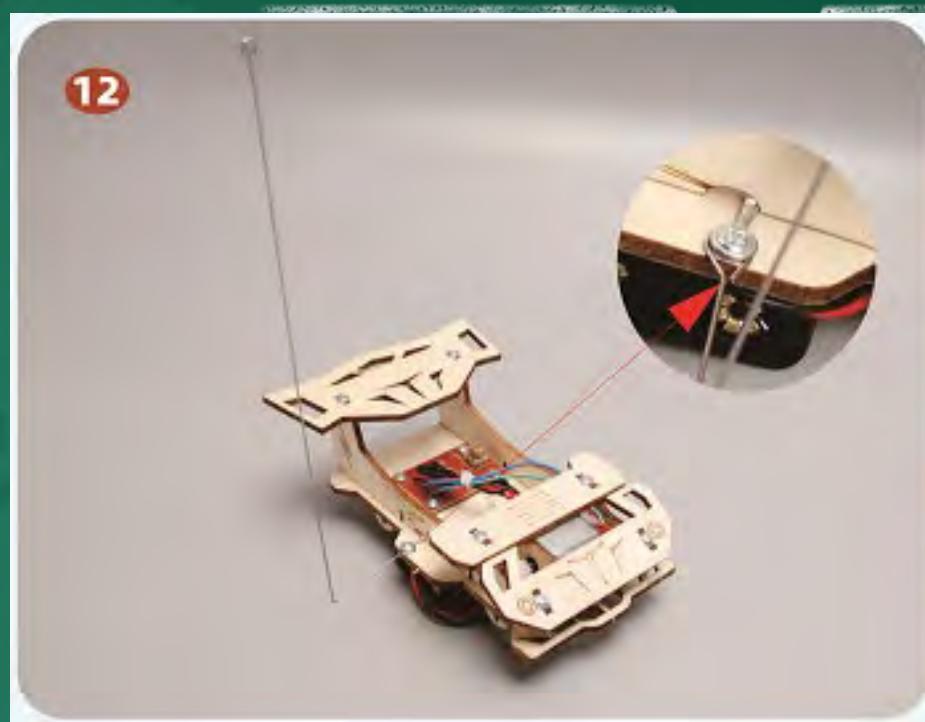


如图将5号板与步骤9组
合并用7mm螺丝固定





如图将7号板与步骤10组
合并用7mm螺丝固定



如图将天线1固定在1号
板指定位置





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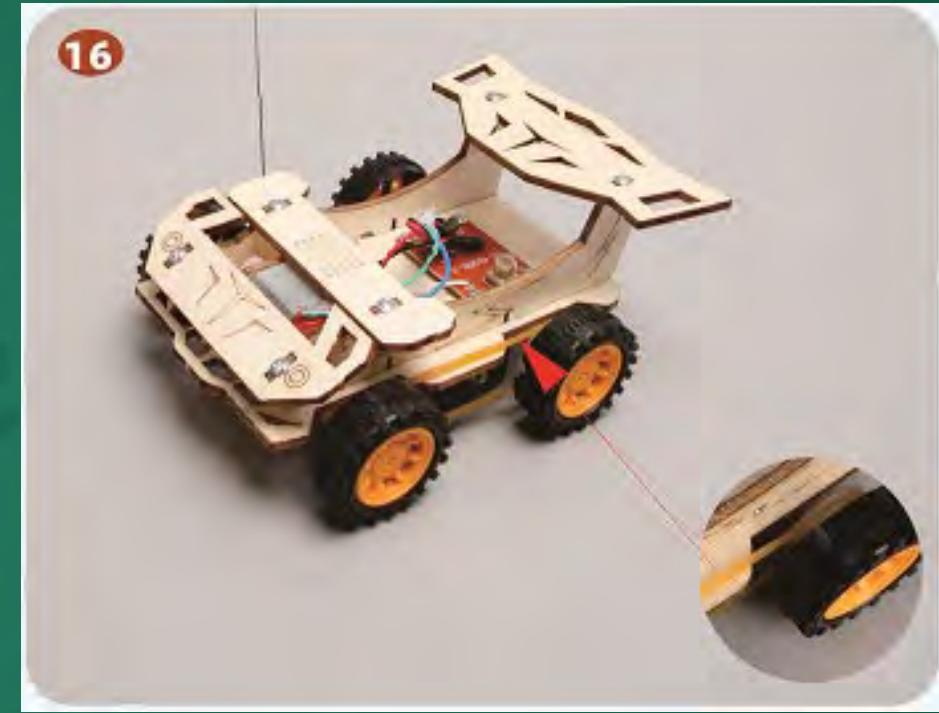
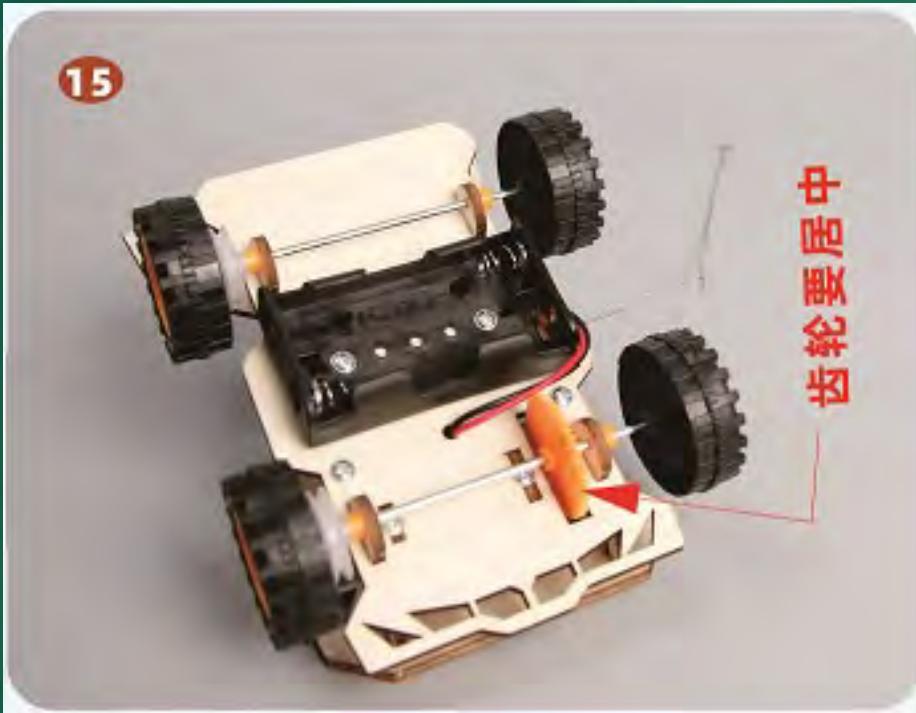
如图将轮子组合



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如图安装赛车后轮

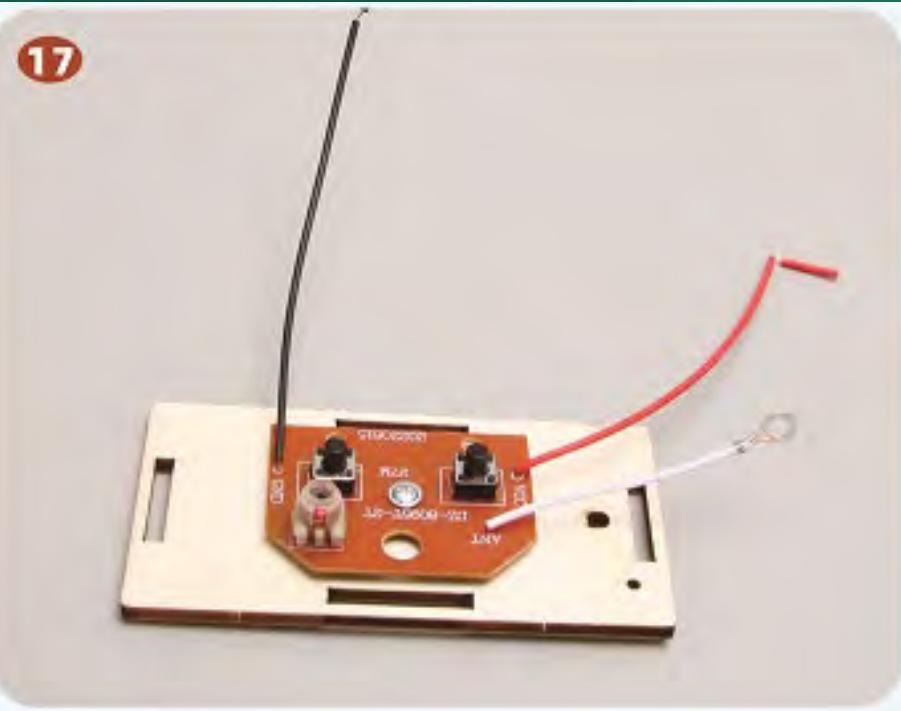




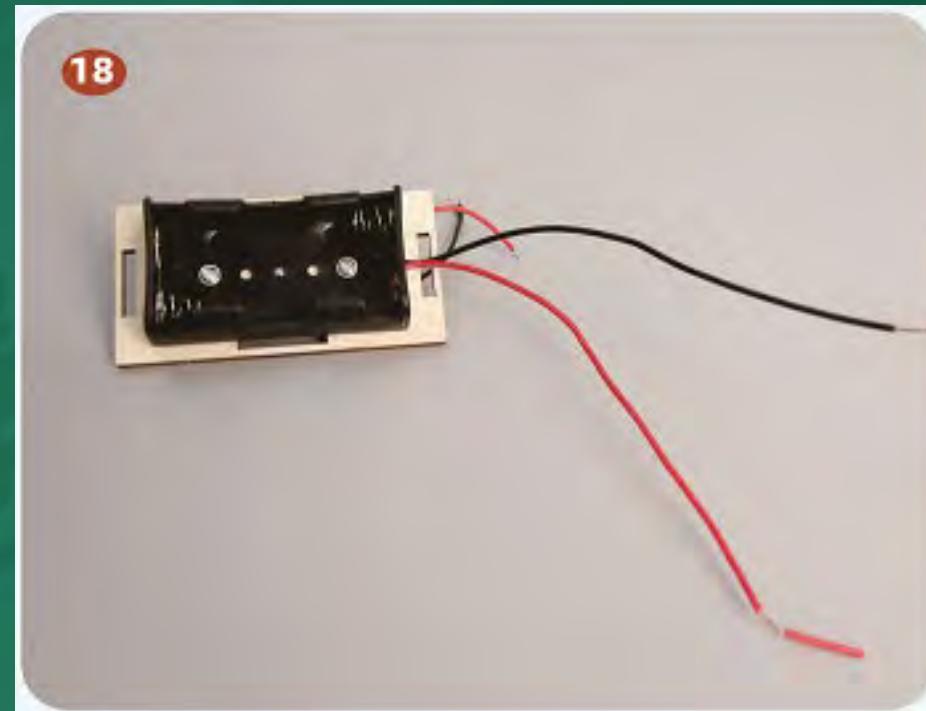
如图安装赛车前轮

如图将皮筋装在皮带
轮上(车身完成)

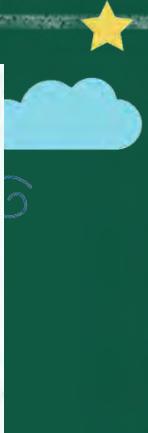


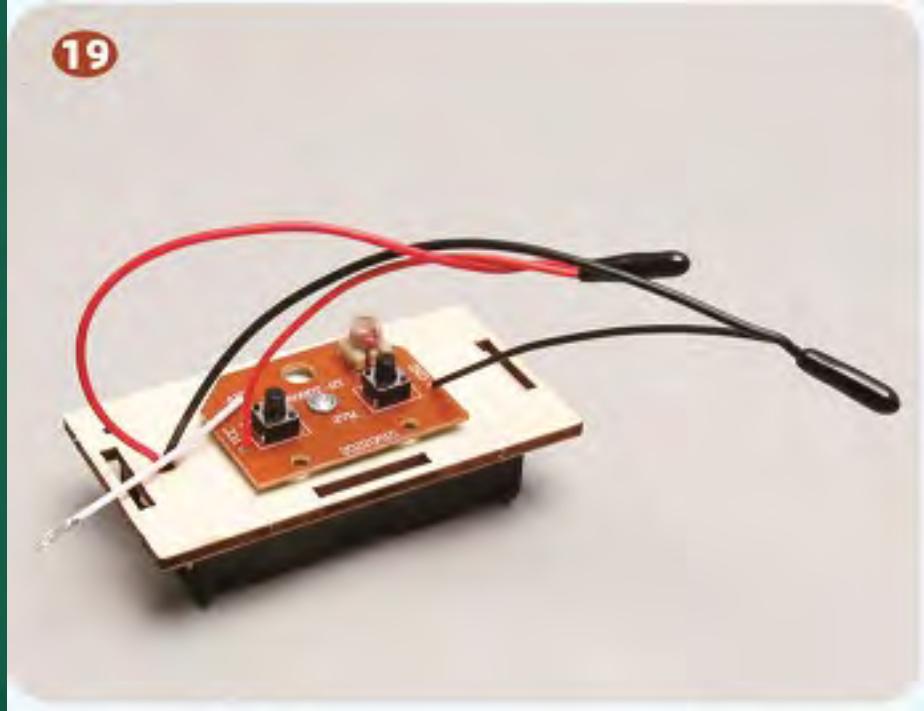


如图将遥控模板B与7号板组合并用7mm螺丝固定

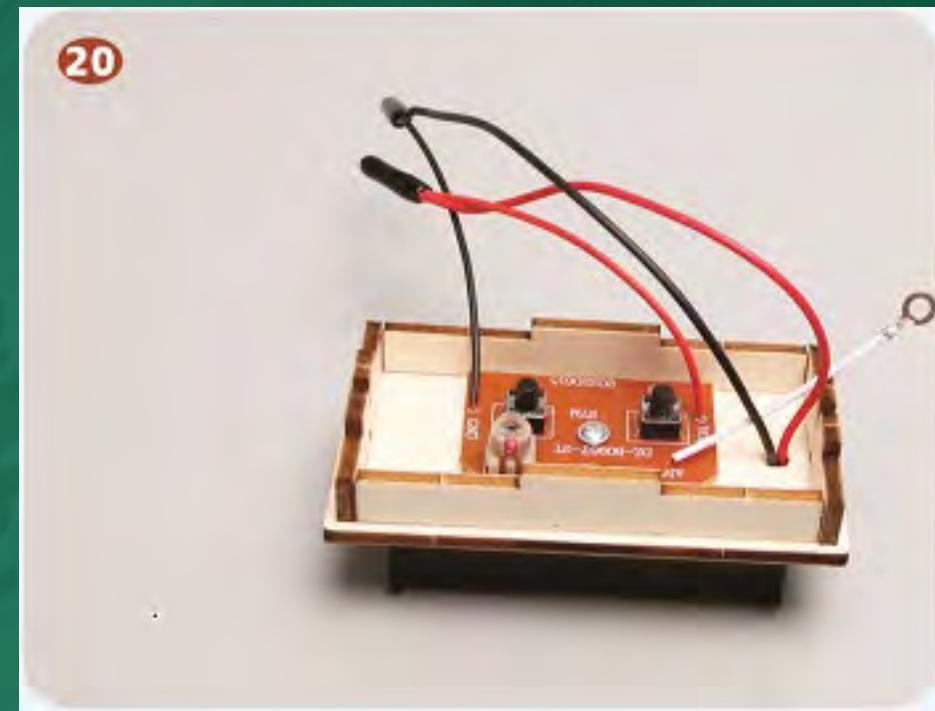


如图将电池盒装在步骤17的反面并用4mm螺丝固定





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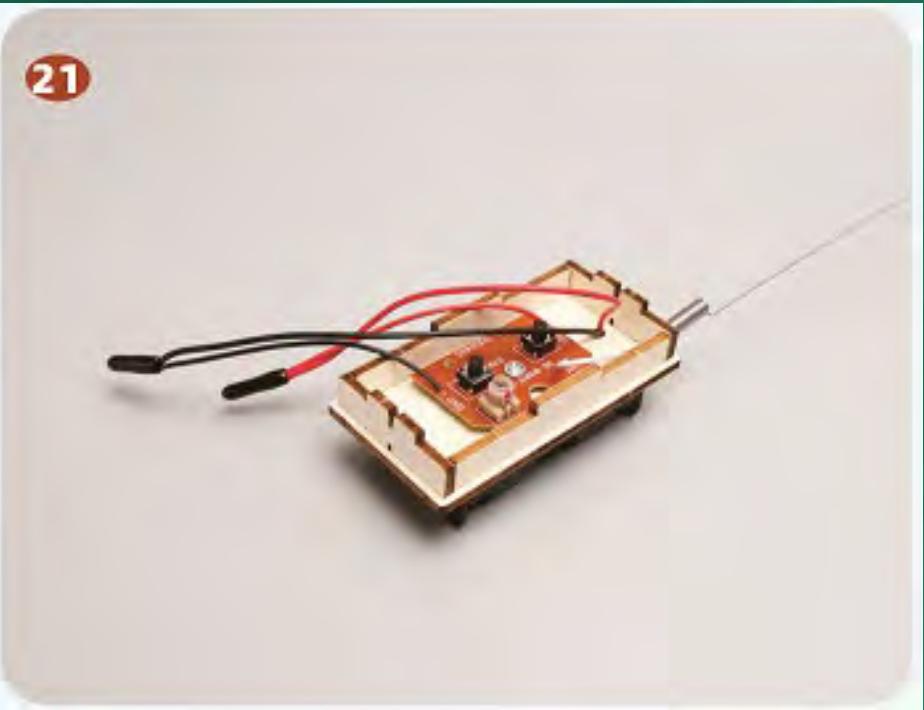
20



如图将电池盒导线与
遥控模板B连接并用热
缩管隔离

如图安装两个10号板
和两个11号板





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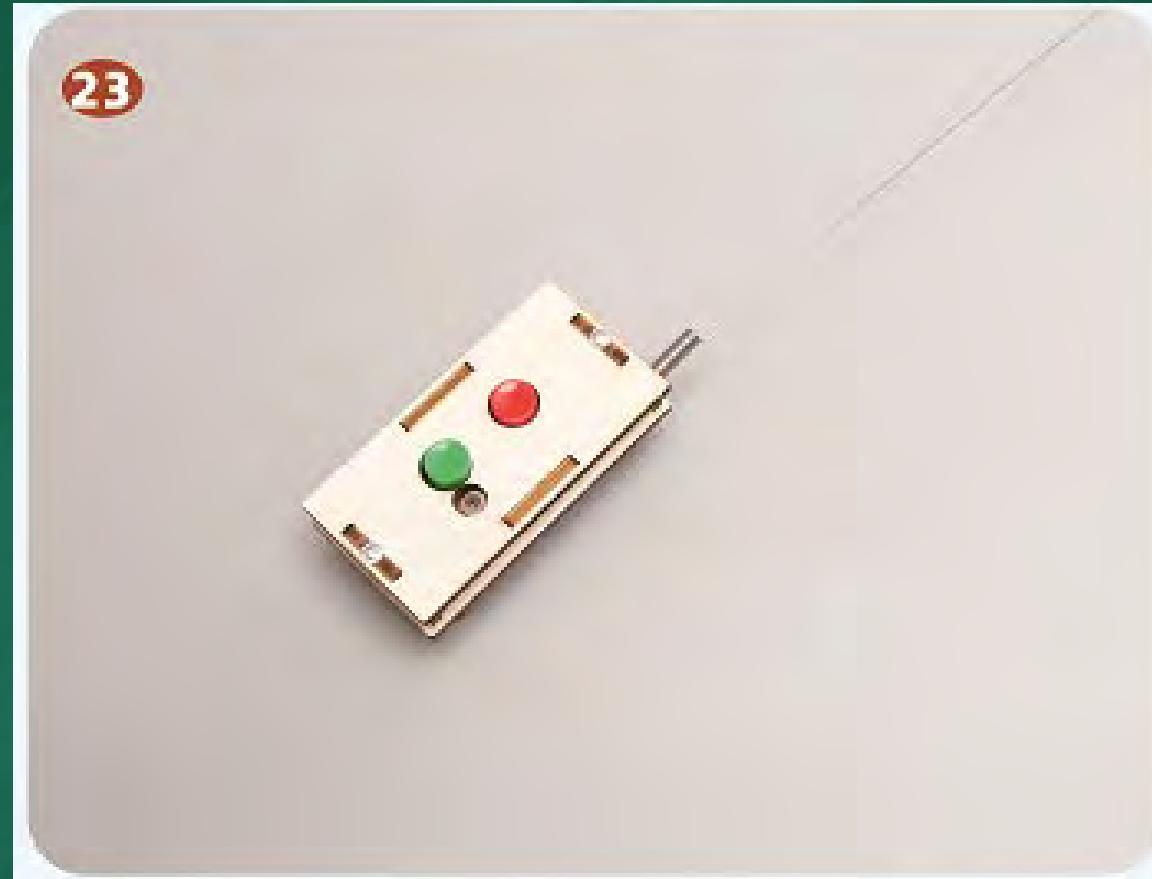
6

如图安装天线2用
4mm螺丝固定



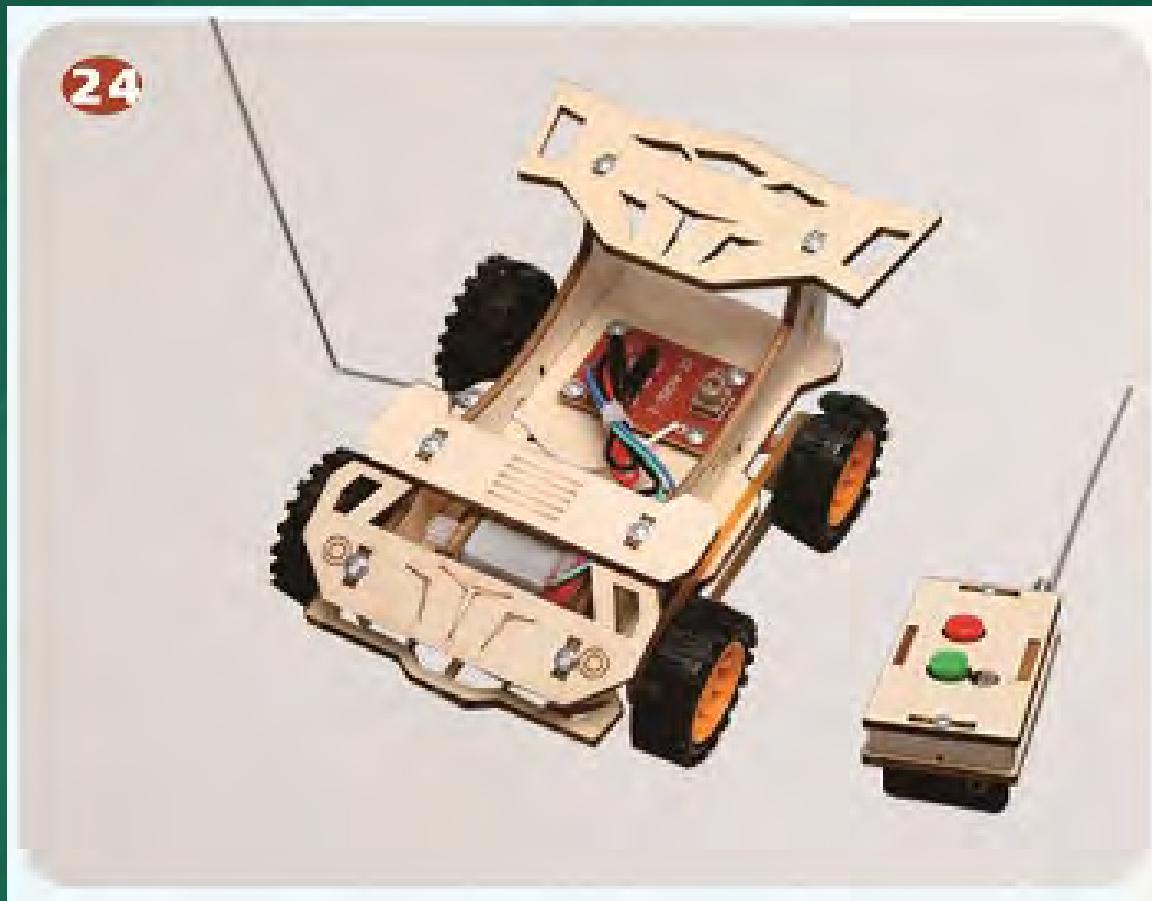
如图将9号板与步骤21
组合并用4mm固定





如图安装红色绿色按钮
(遥控器完成)





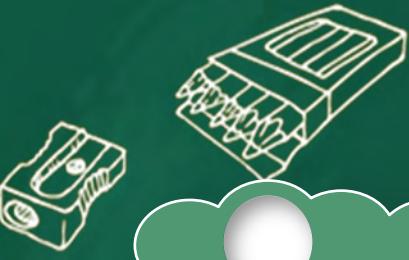
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产品组装完成



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实验小原理



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无线遥控是指实现对被控目标的非接触遥远控制，遥控系统一般由发射器和接收器两部分组成。无线电发射部分一般由一个能产生等幅震荡的高频载频振荡器和一个产生低频调制信号的低频振荡器组成。

