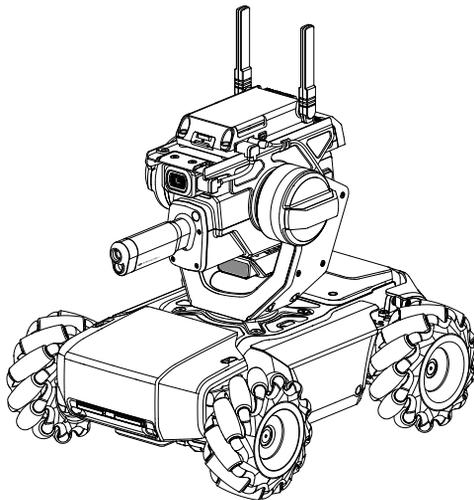


ROBOMASTER S1

快速入门指南

v1.4



简介

RoboMaster™ S1 是一款基于 DJI™ RoboMaster 比赛打造的教育机器人。可敏捷移动的麦克纳姆轮全向底盘、灵活转动的云台和稳定低延时的图传系统，给用户带来身临其境的 FPV 操控驾驶和实弹射击体验。

S1 支持 Scratch 和 Python 编程，用户可通过项目式阶梯教程逐步掌握编程理论和机器人系统知识。

S1 具备单机驾驶和多人竞技模式，包含多种玩法。用户可使用安装有 RoboMaster App 的移动设备、手柄、键盘鼠标等控制机器人。

下载 RoboMaster App 和观看教学视频



RoboMaster App



教学视频

使用移动设备在软件商店或扫描二维码下载并安装 RoboMaster App。

在 App 首页进入“指引”页面或访问 DJI 官方网站 <https://www.dji.com/robomaster-s1/video> 获取安装视频，配合本文的安装说明，完成安装。观看其他教学视频了解使用方法。



- RoboMaster App 要求使用 iOS 10.0.2 及以上系统或 Android 5.0 及以上系统。
- 用户亦可使用计算机从 DJI 官网下载 Windows 版本的 RoboMaster 软件，从而通过键盘鼠标控制机器人。 https://www.dji.com/robomaster_app



安装完成后，需使用 RoboMaster App 激活机器人。激活时请确保移动设备可以接入互联网。

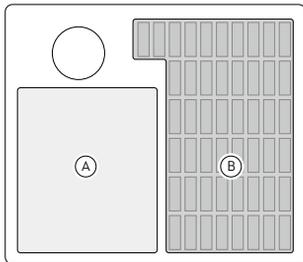
技术规格

结构		智能电池	
整机尺寸	320 × 240 × 270 mm (长 × 宽 × 高)	容量	2400 mAh
重量	约 3.3 kg	充电电压	12.6 V
智能中控		电池类型	LiPo 3S
工作频段	2.4 GHz, 5.8 GHz, 5.1 GHz (仅限室内使用)	能量	25.92 Wh

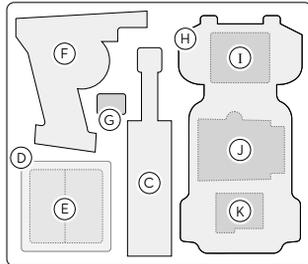
物品清单

使用本产品之前，请检查产品包装内是否包含以下所有物品。若有缺失，请联系 DJI 或您的代理商。

第一层:



第二层:



A



文档
· 快速入门指南
· 免责声明和安全概要



×7

视觉标签

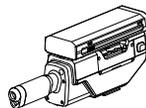
B



×48 (+2)*

B1
麦轮辘子

C



×1

C1
发射器 (含弹仓)

D



×4

D1
M35081 无刷电机电调

E



×4

E1
减震圈支架

E2



×1

E2
瓶装水晶弹

F



×1

F1
云台

G



×1

G1
相机

H



×1

H1
前桥上盖

H2



×1

H2
前桥臂

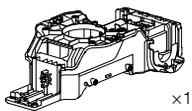
H3



×1

H3
底盘上盖
出厂时已与中框扣合。

* (+x) 表示包装内包含此物品备用件的数量为 x。



×1

H4
底盘中框 (含智能电池)



×1

H5
底盘仓盖
出厂时已与中框扣合。

I



×4

I1
击打检测模块

J



×1

J1
智能中控

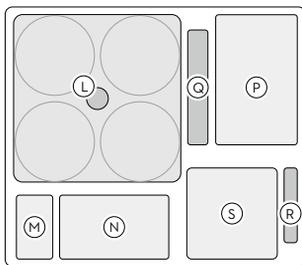
K



×1

K1
扬声器

第三层:



L



×2

L1
左旋内轮毂



×2

L2
左旋外轮毂



×2

L3
右旋内轮毂



×2

L4
右旋外轮毂



×4

L5
麦轮减震圈



×4

L6
电机座



×1

L7
螺丝刀柄

M



×1

M1
充电器

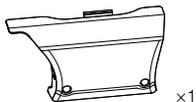
N



x1

N1

底盘左装甲



x1

N2

底盘右装甲



x1

N3

充电器 AC 线
实物根据地区有所不同。

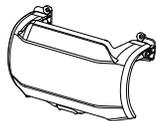
P



x1

P1

底盘前装甲



x1

P2

底盘后装甲



x1

P3

护目镜

Q

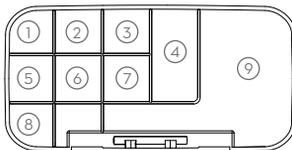


x1

Q1

螺丝盒

螺丝盒内包含以下物品:



x1

① 缓冲胶垫



x10 (+2)*

② T3 螺丝



x2 (+1)*

③ M3-B 螺丝



x60 (+4)*

④ M3-A 螺丝



x21 (+2)*

⑤ T2 螺丝



x4 (+1)*

⑥ M4-B 螺丝



x4 (+1)*

⑦ M4-A 螺丝



x2

⑧ 缓冲胶圈



x1

⑨ 螺丝刀头

* (+x) 表示包装内包含此物品备用件的数量为 x。

R



x1

R1

运动控制器

S



x1

S1

X 型轴盖



x1

S2

固线器



x1

S3

麦轮装配盒



x1

S4

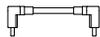
润滑脂



x1

S5

美纹胶带



x1

S6

相机连接线



35 cm

x1

S7

数据线



23 cm

x2

S8



12 cm

x4

S9

安装准备



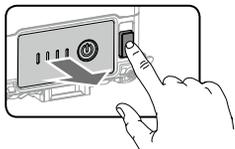
安装时请佩戴护目镜，以防零件损伤眼睛。

1. 准备水晶弹

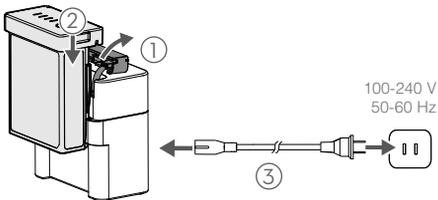


安装前，参考水晶弹瓶身的描述泡发适量水晶弹。

2. 充电

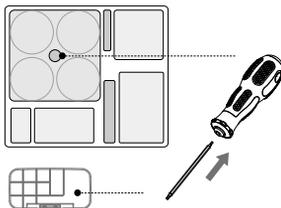


首次使用时，需要对电池进行充电以唤醒电池。



完全充满约需 1 小时 30 分钟

3. 准备螺丝刀



包装内附带螺丝刀柄及刀头，刀头为双头，小头适用于 T2 螺丝，大头适用于其余螺丝。安装时请根据所使用的螺丝选择刀头。

4. 图例



表示安装步骤中所需的配件及其规格型号、数量。例如，此图表示需要 6 颗型号为 M3-A 的螺丝。



表示安装步骤中的图示为机器人的底部视图。



表示所需配件在螺丝盒中的位置。

5. 连线规则

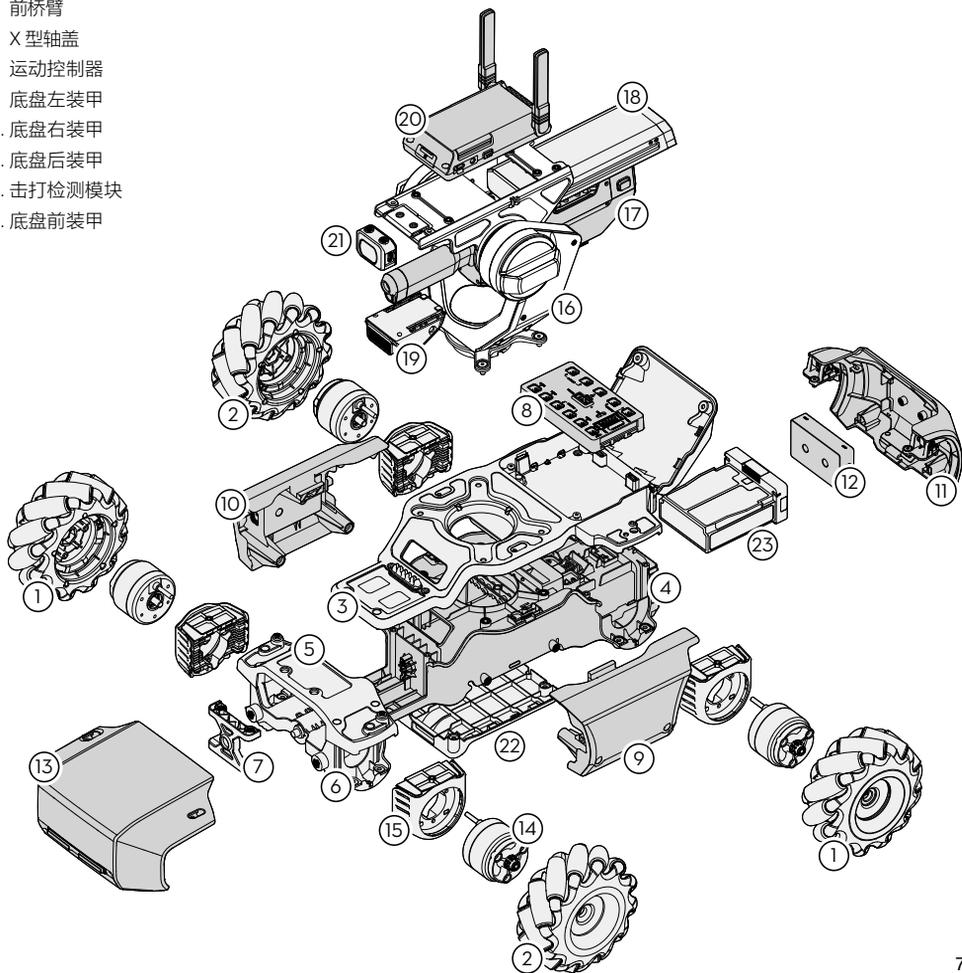
黑色线连接到黑色接口，橙色线连接到橙色接口。



请按照规范进行连线和走线，避免压坏连接线。

部件介绍

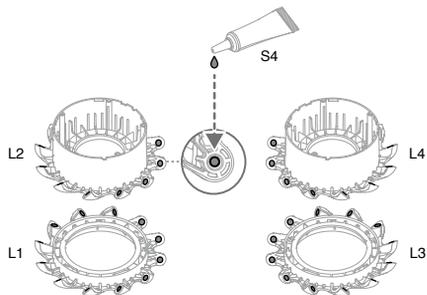
- | | | |
|------------|-------------------|----------|
| 1. 左旋麦克纳姆轮 | 14. M3508I 无刷电机电调 | 19. 扬声器 |
| 2. 右旋麦克纳姆轮 | 15. 电机座 | 20. 智能中控 |
| 3. 底盘上盖 | 16. 云台 | 21. 相机 |
| 4. 底盘中框 | 17. 发射器 | 22. 底盘仓盖 |
| 5. 前桥上盖 | 18. 弹仓 | 23. 智能电池 |
| 6. 前桥臂 | | |
| 7. X型轴盖 | | |
| 8. 运动控制器 | | |
| 9. 底盘左装甲 | | |
| 10. 底盘右装甲 | | |
| 11. 底盘后装甲 | | |
| 12. 击打检测模块 | | |
| 13. 底盘前装甲 | | |



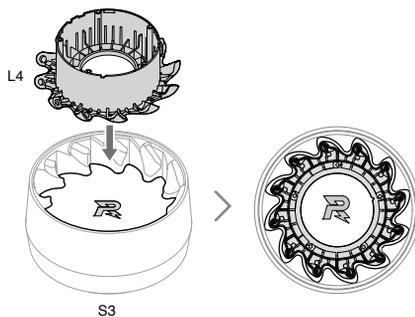
安装说明

安装所需的各个部件可根据编号在物品清单标示的对应位置中找到。

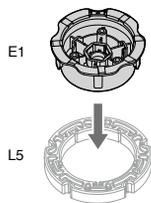
1



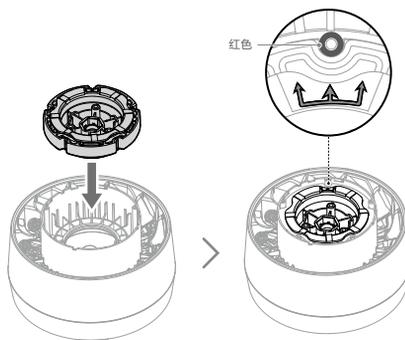
2



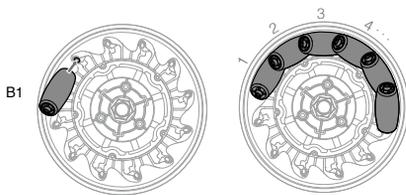
3



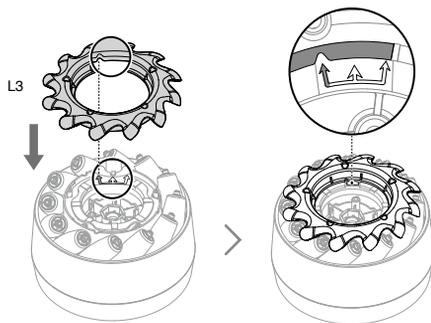
4



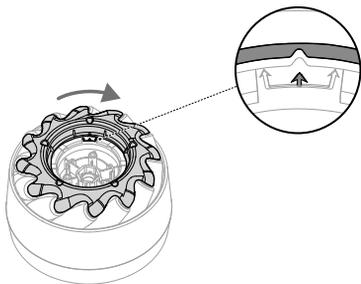
5



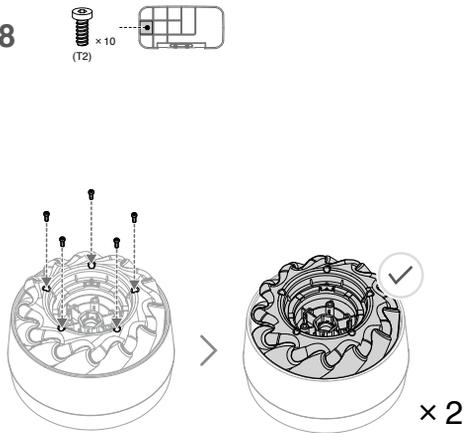
6



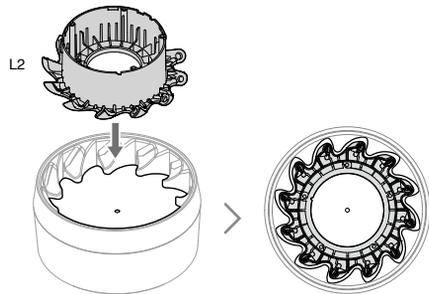
7



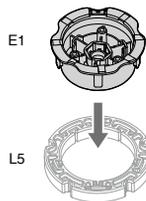
8



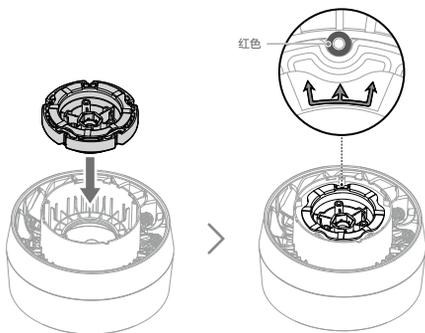
9



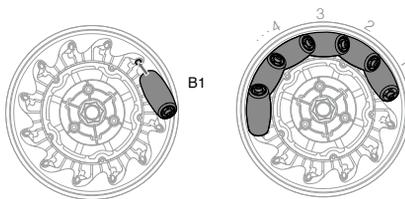
10



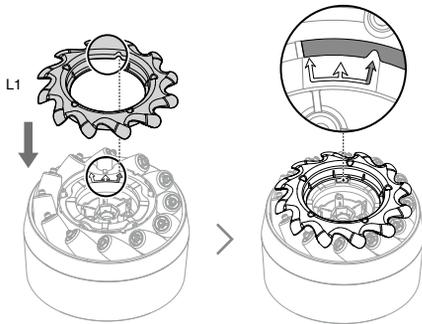
11



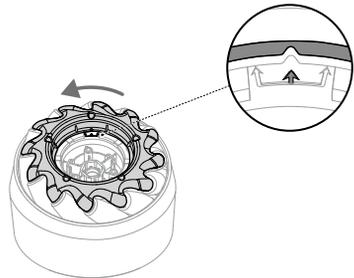
12



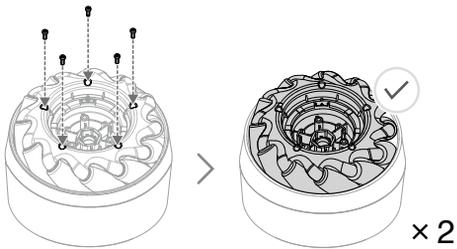
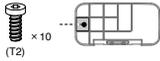
13



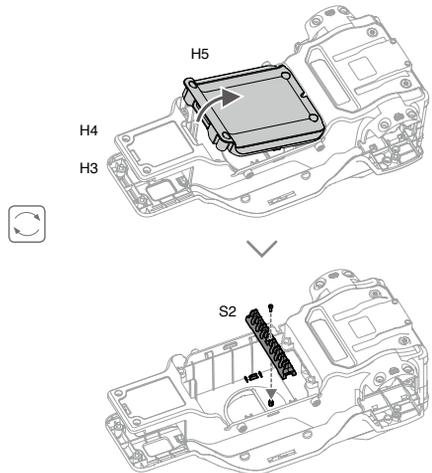
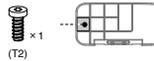
14



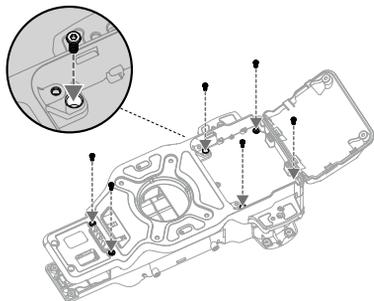
15



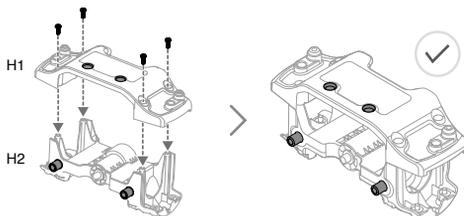
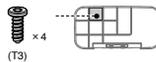
16



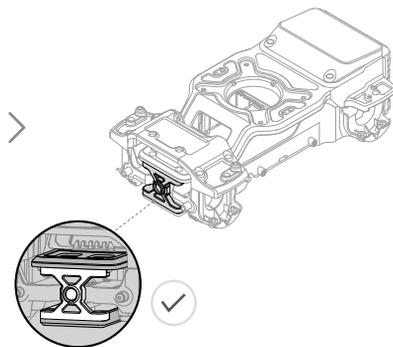
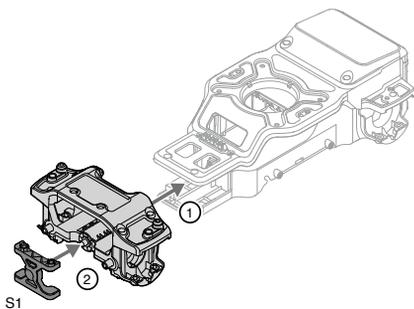
17



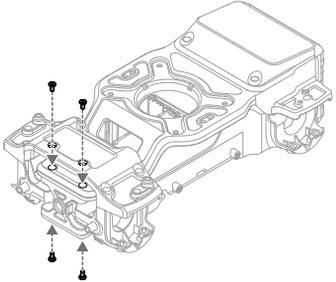
18



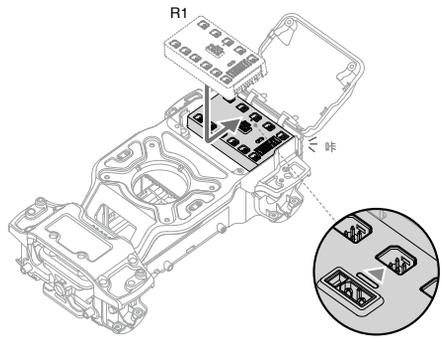
19



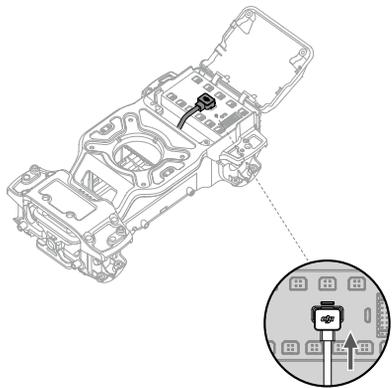
20



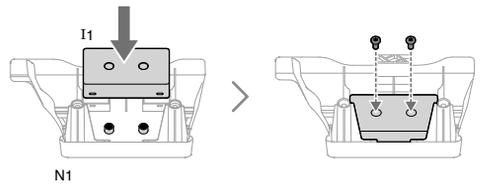
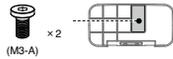
21



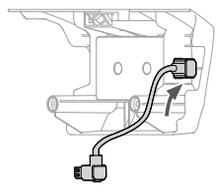
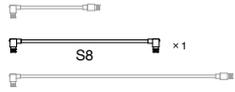
22



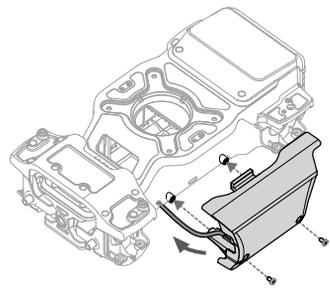
23



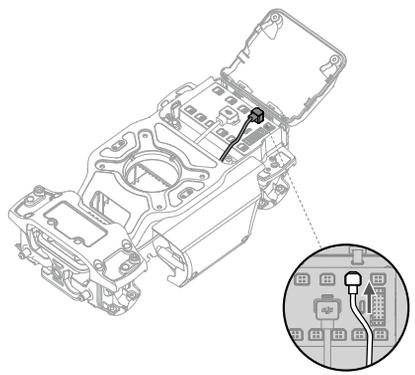
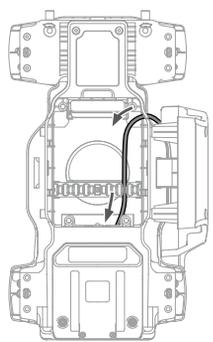
24



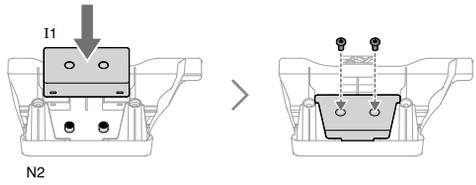
25



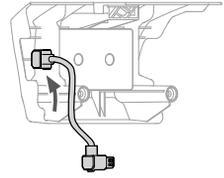
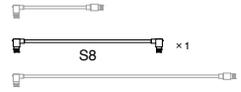
26



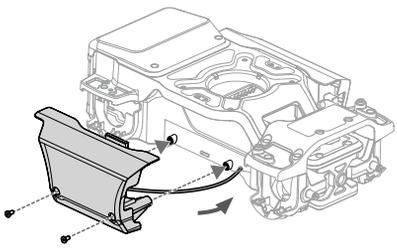
27



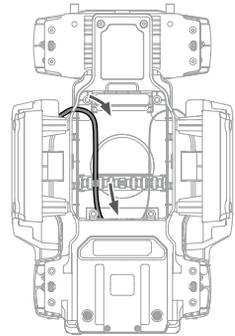
28



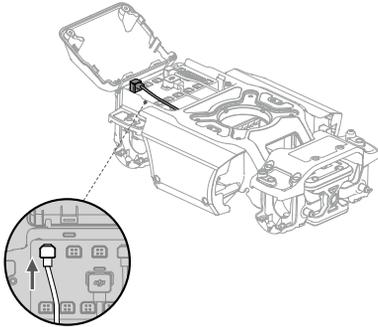
29



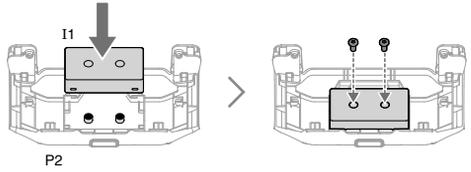
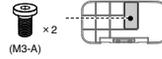
30



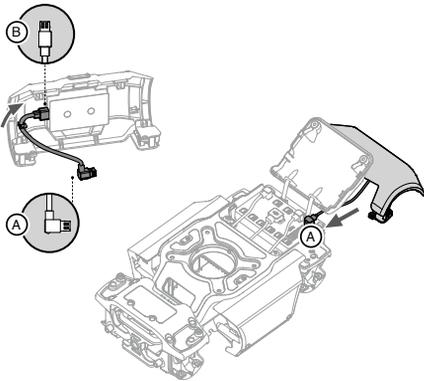
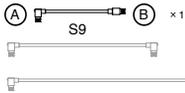
31



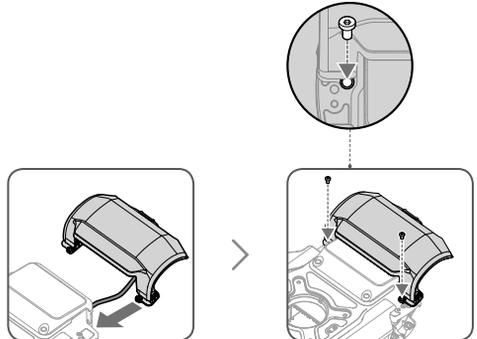
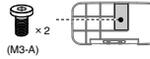
32



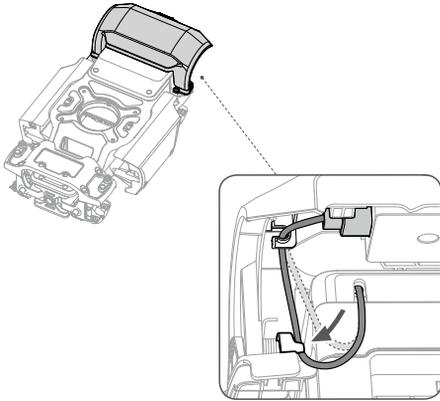
33



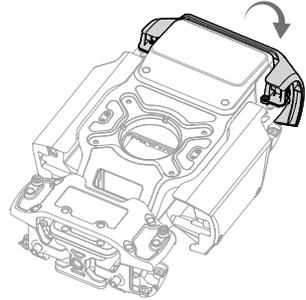
34



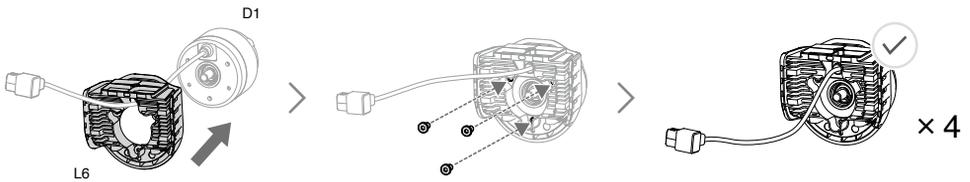
35



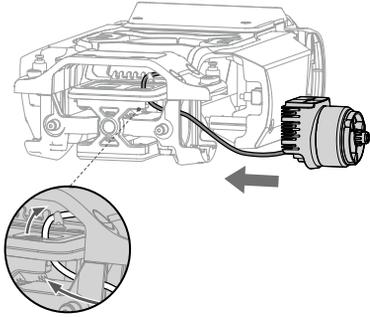
36



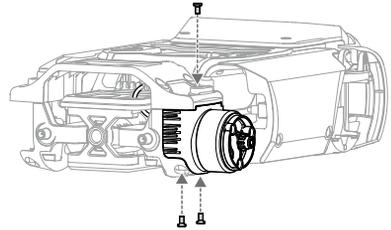
37



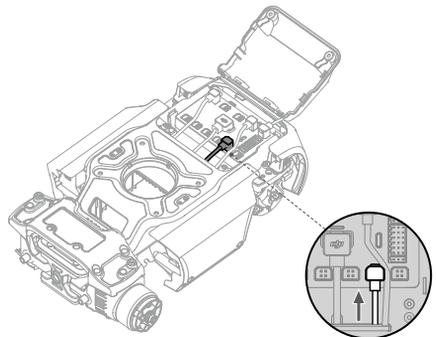
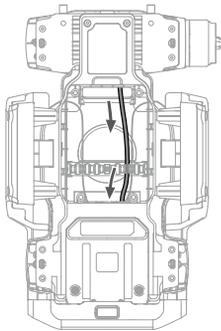
38



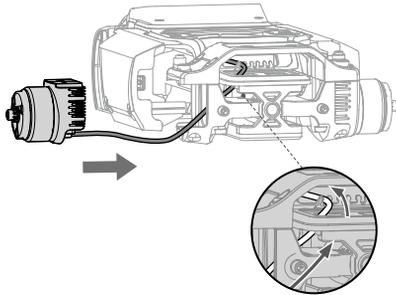
39



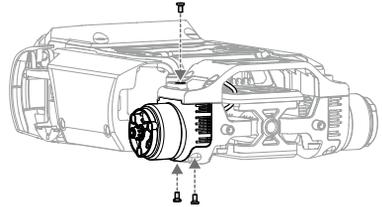
40



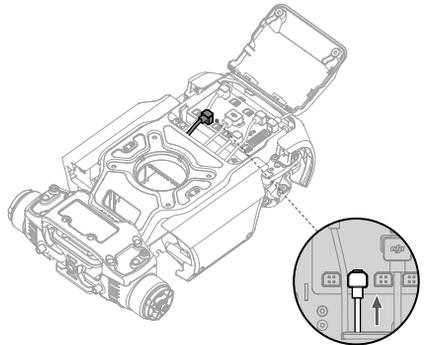
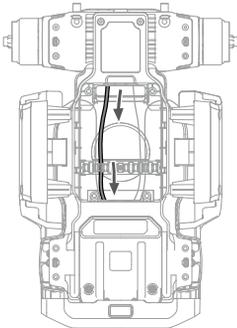
41



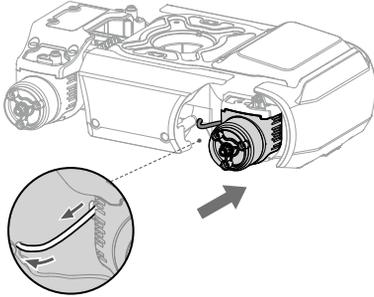
42



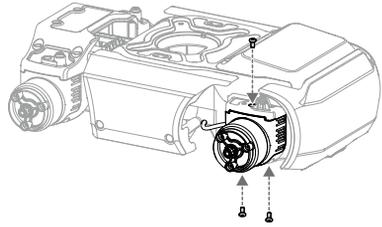
43



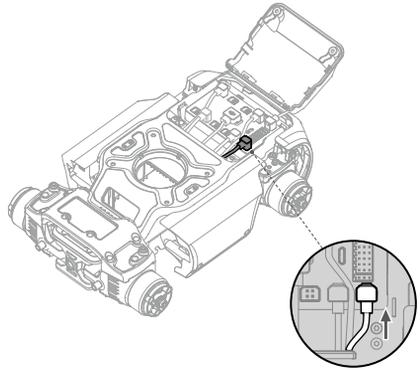
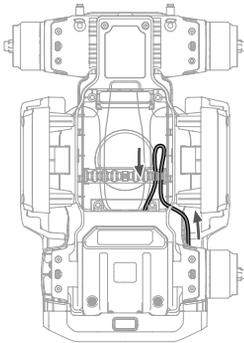
44



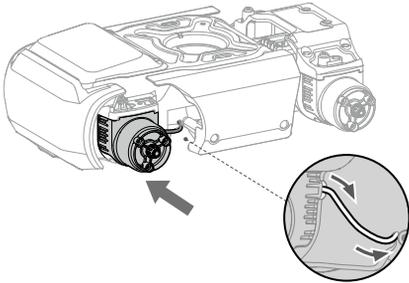
45



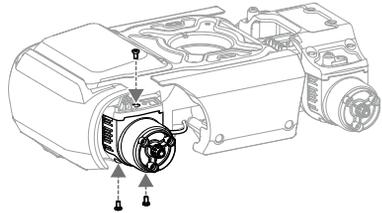
46



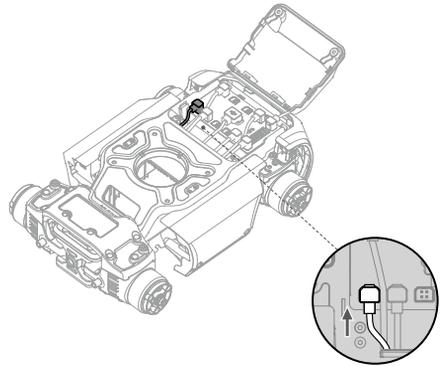
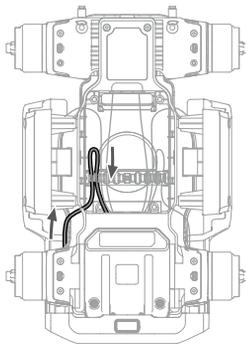
47



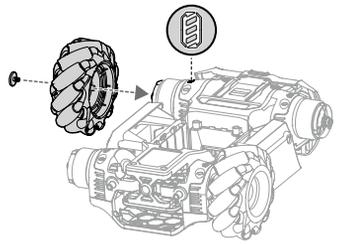
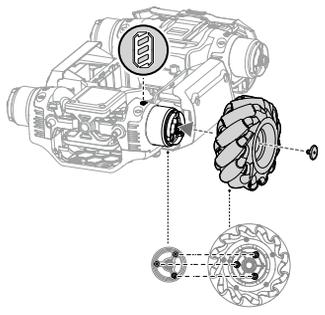
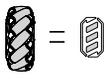
48



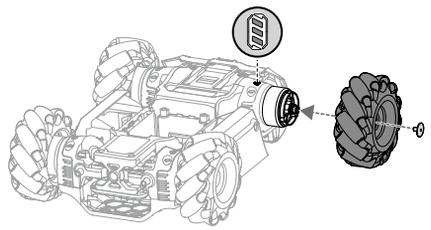
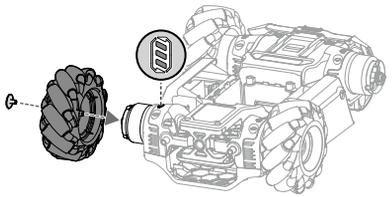
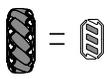
49



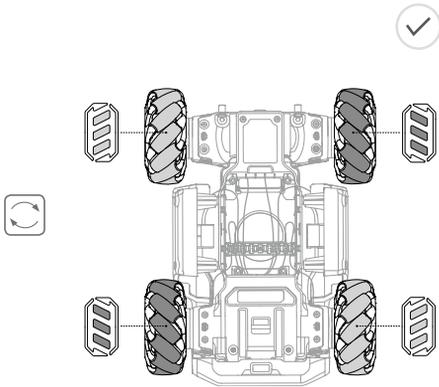
50



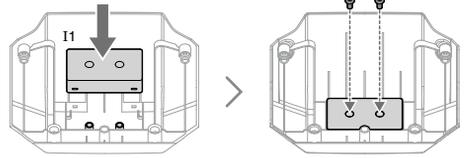
51



52

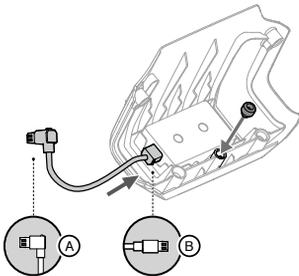


53

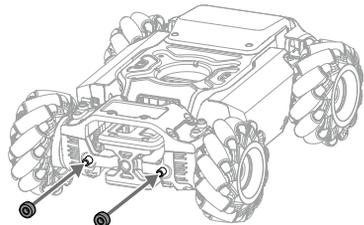


P1

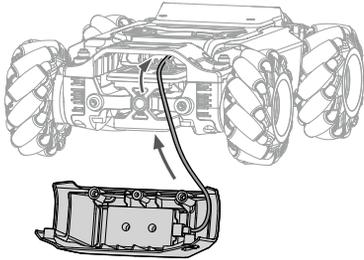
54



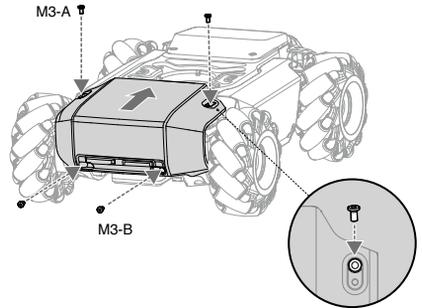
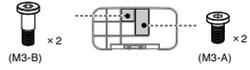
55



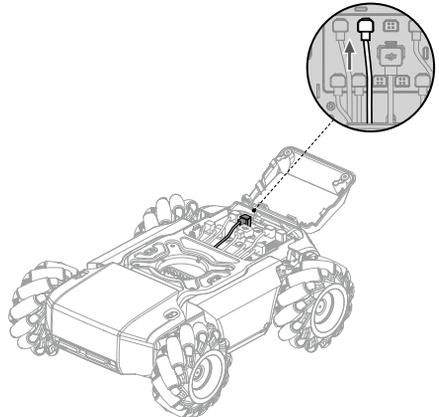
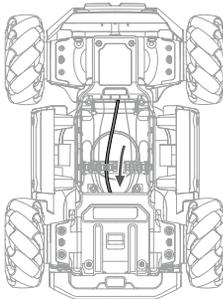
56



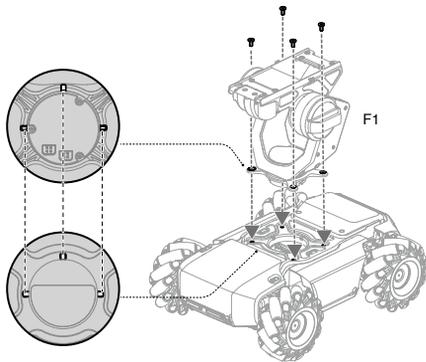
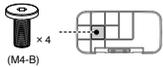
57



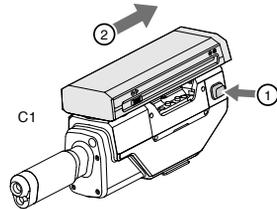
58



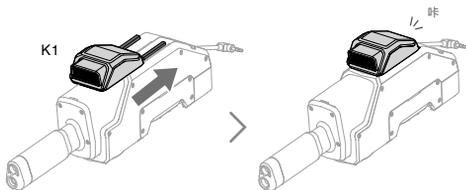
59



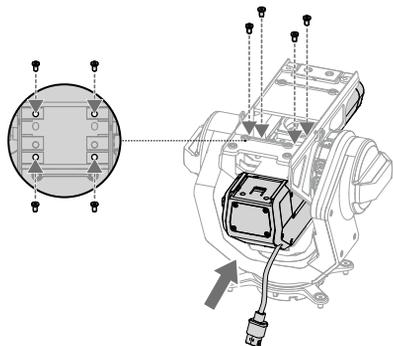
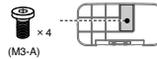
60



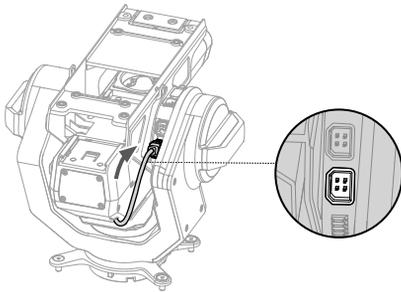
61



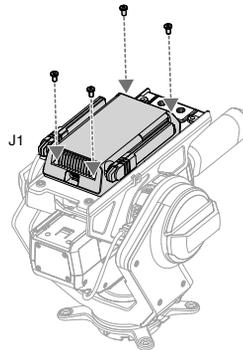
62



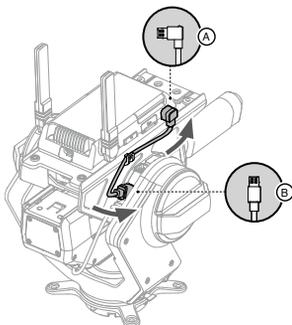
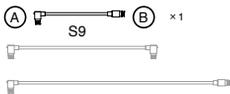
63



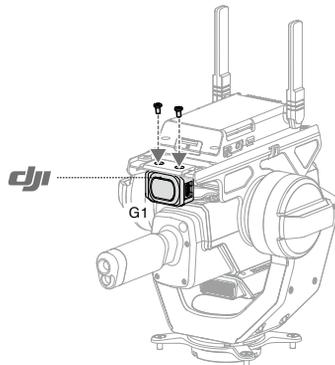
64



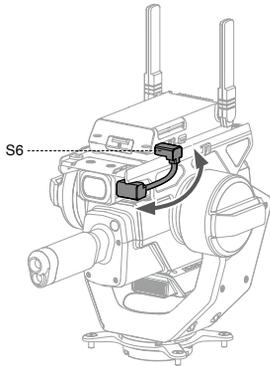
65



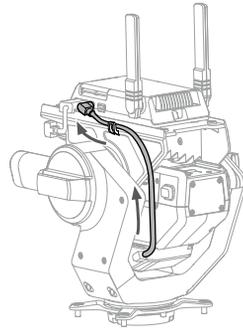
66



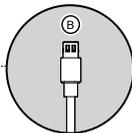
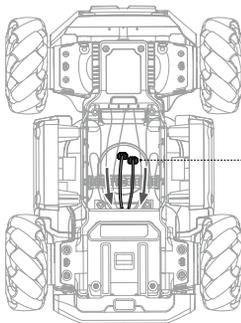
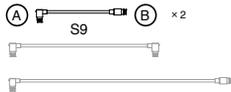
67



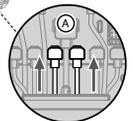
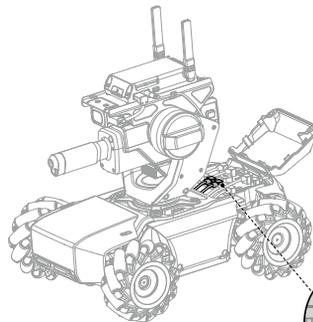
68



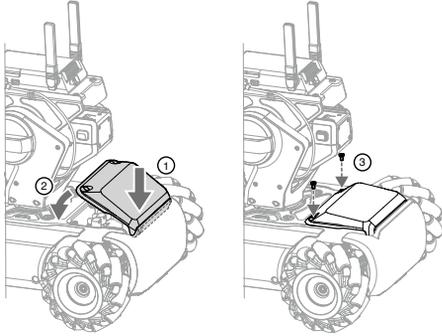
69



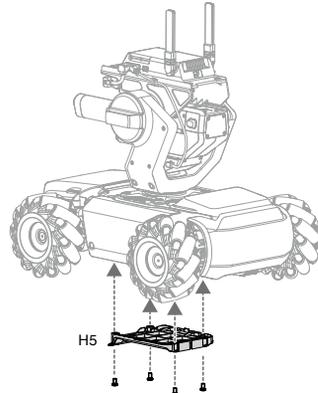
70



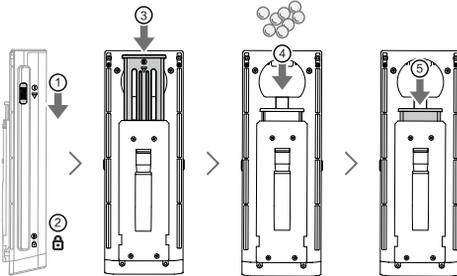
71



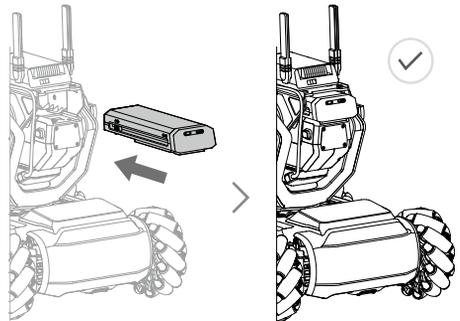
72



73

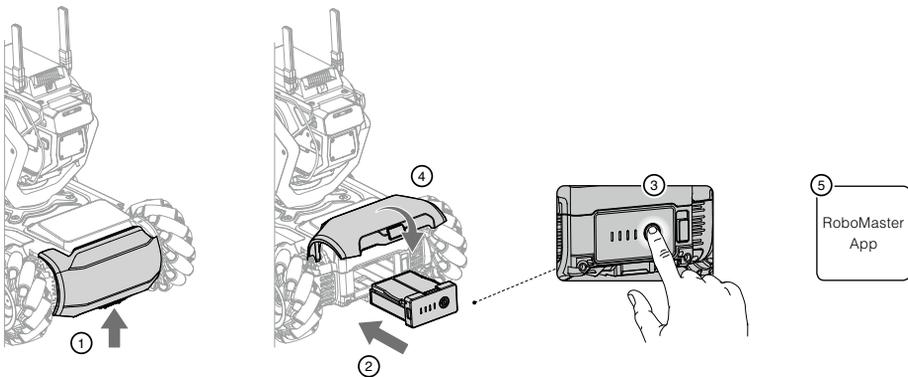


74



开启并激活 S1

安装智能电池至 S1，长按智能电池的电源按钮开启 S1，然后连接至 App 进行激活。



内容如有更新，恕不另行通知。
了解产品详细信息，请访问 DJI 官网产品页面。

<https://www.dji.com/robomaster-s1>

ROBOMASTER S1

www.dji.com



100DRBGS02CN