多旋翼飞行控制器
用户手册

感谢您使用本产品！本产品功率强大，错误的使用可能导致人身伤害和设备损坏，强烈建议您在使用设备前仔细阅读本说明书并保存，严格遵守规定的操作程序。我们不承担因使用本产品或擅自对产品进行改造所引起的任何责任，包括但不限于对附带损失或间接损失的赔偿责任。
我们有权在不经通知的情况下变更产品设计、外观、性能及使用要求。

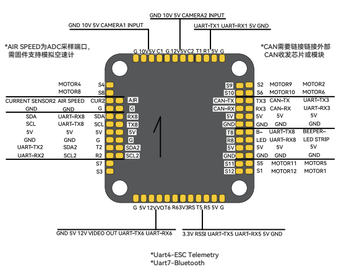
主要特性

飞控型号：PACER H743
飞控固件：STM32H743
统一目标文件：TMTR-TMOTORH743
主控：STM32H743
陀螺仪：MPU6000
稳压电源：5V2A&10V2A
串口：8串口
视频字符叠加：AT7456E&HD
黑匣子：16MB
接口：TYPE-C

产品规格

型　号	输入电压	典型应用	安装孔位	重　量	尺　寸 mm
PACER H743	12-27V (3-6S)	170-450 多旋翼	30.5*30.5 /φ4mm		38*38*6

端口示意图及接线图



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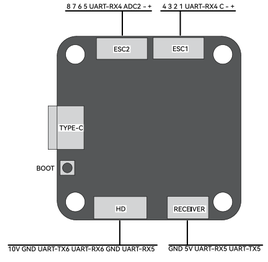

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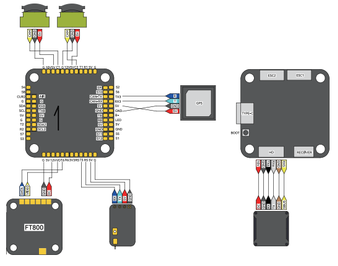


注意事项

1. 务必刷写名称一致的固件以及统一配置文件，否则飞控部分功能将无法使用；
2. SBUS接收机适用于所有UART-RX
3. 陀螺仪上方尽量远离线材、磁性材料和射频元器件，否则会造成陀螺仪运行异常；
4. 无论任何时候都要注意极性，供电之前一定要反复检查
5. 请确保所有电线和链接部件绝缘良好，避免短路造成产品损坏；
6. 请避免在潮湿、高温等恶劣环境下使用产品，避免造成产品损坏；
7. 如需更多消息，请联系T-MOTOR售后或技术支持。

微信扫一扫
添加 TMOTOR HOBBY 售后

MULTI-ROTOR AIRCRAFT FLIGHT CONTROLLER USER MANUAL

We appreciate your choice of our product. This device is extremely powerful and improper handling may lead to personal injury or equipment damage. It is essential to thoroughly read and retain this manual for future reference. Strict adherence to the provided operationalguidelines is strongly recommended. Please be aware that any deviations from these guidelines or unauthorized product modifications will absolve us of liability, including potential incidental or consequential losses.
We reserve the right to modify the design, appearance, performance specifications, and usage requirements of our products without prior notice.

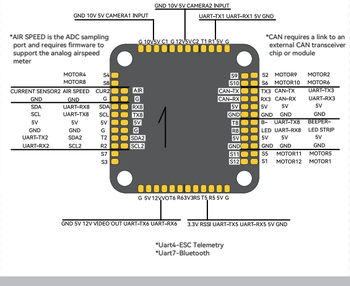
MAIN FEATURES

Model: PACER H743
Firmware: STM32H743
Unified targer file: TMTR-TMOTORH743
MCU: STM32H743
GYRO: MPU6000
BEC: 5V2A&10V2A
UARTS: 8 sets
OSD: AT7456E&HD
FLASH: 16MB
USB: TYPE-C

SPECIFICATIONS

Model	Input voltage	Typical application	Mounting hole	Weight	Dimensions mm
PACER H743	12-27V (3-6S)	170-450 multi-rotor	30.5*30.5 /φ4mm		38*38*6

PORT SCHEMATIC & WIRING DIAGRAM



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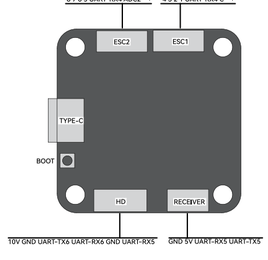

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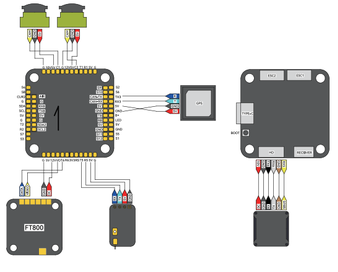

PRECAUTIONS

1. Before updating FW, it's essential to select the correct firmware for this specific board to enable all flight control functions. Flashing an incorrect target may result in limited functionality.
2. The SBUS receiver can be used with all UART-RX.
3. For cleanest gyroscope performance, maintain a significant distance between the gyroscope and wires, magnetic materials, and radio frequency components.
4. Double-check the polarity before powering on.
5. Ensure proper insulation of all wiring and connections to prevent damage from short circuits.
6. Avoid operation in adverse conditions such as high humidity and extreme temperatures to prevent product damage.
7. For additional information, please contact T-MOTOR's after-sales or technical support, fpvservice@tmotor.com.