

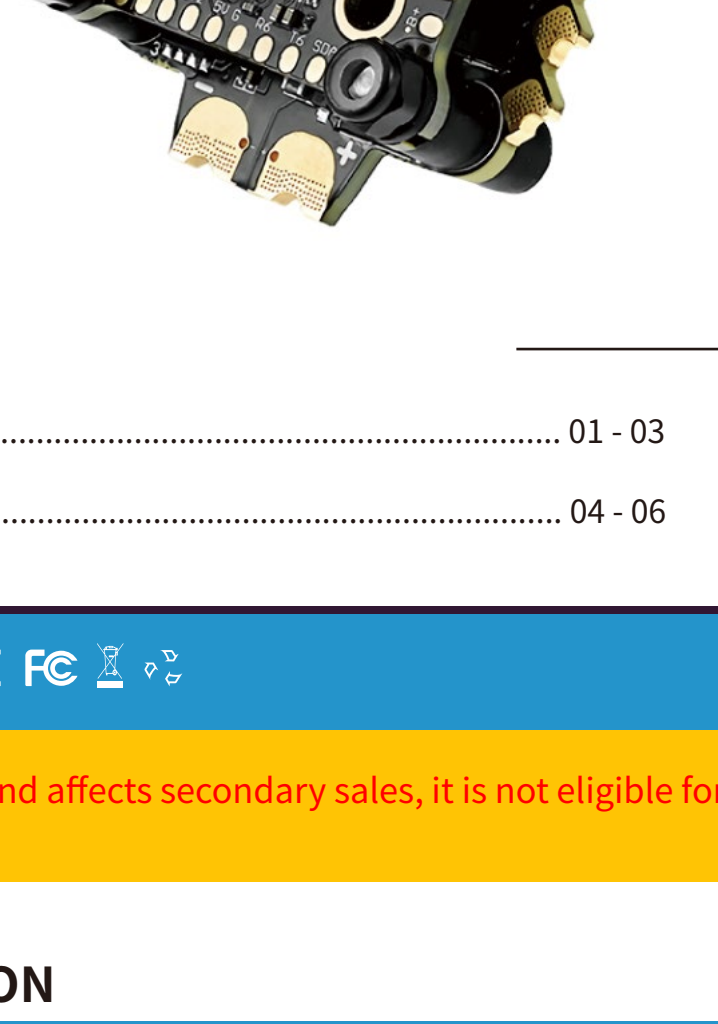
SEQUIRE H743 V2 & E70 G2

飞塔

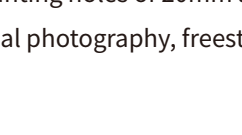
FC & ESC For FPV Drones Racing Freestyle

感谢您购买本产品!请您在使用前仔细阅读说明书,严格遵守规定的操作说明,使用者需具备一定电子基础和良好的焊接技术,错误的使用可能造成人身伤害和设备损坏,我们不承担任何使用本产品或擅自对产品进行改造而引起的任何责任,包括但不限于对附带损失或间接损失的赔偿责任。

Thanks for buying this product! Please read the instructions carefully before use and strictly abide by the specified operating instructions. Users must have a certain electronic foundation and good welding skills. Wrong use may cause personal injury and equipment damage. We do not assume any liability arising from the use of this product or unauthorized modifications to the product, including but not limited to liability for incidental or indirect losses.



1. English instruction manual	01 - 03
2. 中文说明书	04 - 06



Note: Once this product is activated and affects secondary sales, it is not eligible for a 7-day return without reason

1 PRODUCT DESCRIPTION

* SEQUIRE H743 V2 FC

- Equipped with a high-performance STM32H743 processor, the operation frequency is up to 480MHz, offering rapid control response.
- Adopts ICM-42688-P gyroscope, this FC realizes precise gesture sensing and stable control, improving the reliability of the system.
- SEQUIRE H743 has an onboard barometer, OSD, and 16MB large capacity black box, which effectively records the flight data.
- Reserve 6 UARTS to meet the needs of most devices.
- It can control up to 8 motors, easily constructing X8.
- Equipped with a plug-in connector and dual BEC outputs, the FC provides independent 10V voltage, allowing the DJI O3 and analog VTX to plug in for use directly.
- Supports wide voltage input of 4-8S Lipo, mounting holes of 20mm and 30.5mm. Mini design, suitable for various types of racks like racing, aerial photography, freestyle, etc.

* E70 G2 4IN1 ESC

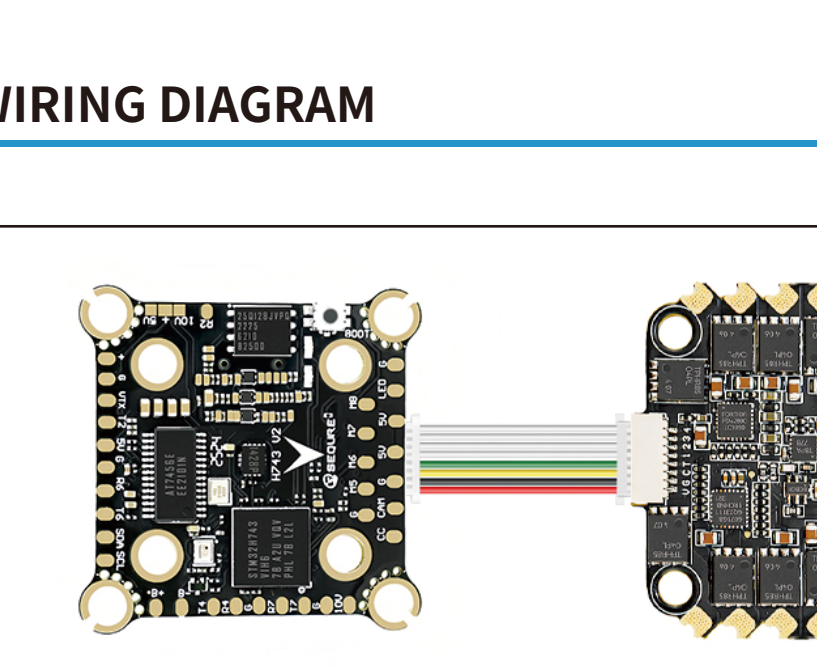
- STM32G071 high-performance processor, using BLHeli_32 | AM32 firmware, 2-8S wide voltage input, single-channel continuous current 70A, peak current up to 150A.
- Built-in galvanometer, supports telemetry return, and updates motor speed, temperature, current and other data in real time.
- High-quality high-power MOSFET, ultra-high efficiency conversion, reducing losses and extending flight time.
- High copper thickness multi-layer PCB design increases over-current capability, efficient heat dissipation performance, and is not afraid of load pressure.
- Precise switch interval time control, speeding up the response speed of the ESC, smooth control, and delicate feel.
- PWM frequency supports 16KHz-128KHz, and excellent circuit design to solve the out-of-step problem.
- Innovative design, oblique surface soldering pad, motor wiring layout is more beautiful and safe, while reducing welding difficulty.
- 30.5*30.5mm installation hole spacing design, compact structure, adaptable to various types of racks, easy to install.

2 PRODUCT PARAMETERS

Module Name	SEQUIRE H743 V2
MCU	STM32H743
Gyro	ICM-42688-P
Barometer	BMP280/DPS310/DPS368
OSD Chip	ATT456E
Black Box	16MB
Firmware	SEQUIREH7
Input Voltage	4-8S Lipo
BEC Output	5V/2.5A, 10V/2A
UARTS	6
Control Motors	M1-M8
LED	Support WS2812 LED Strip
Buzzer	Support
ESC Telemetry	RX8
USB	Type-C
Mounting Hole	20x20mm, Φ4mm 30.5x30.5mm, Φ4mm
Dimensions	36.5*36.5*6mm
Weight	7.3g

Model	E70 G2
Processor	STM32G071
PWM Frequency	16KHz-128KHz
Working Voltage	2-8S Lipo
Continuous Current	70A
Peak Current	150A
Support Protocol	Dshot600/300/150, Oneshot, Multishot, PWM
Firmware Version	AM32 BLHeli_32
Telemetry Return	Support
Galvanometer	YES
BEC	NO
Mounting Hole Spacing	30.5x30.5mm, Φ4mm/M3
Product Size	45.5*42.5*6mm
Product Weight	17.5g

3 SIZE AND WEIGHT

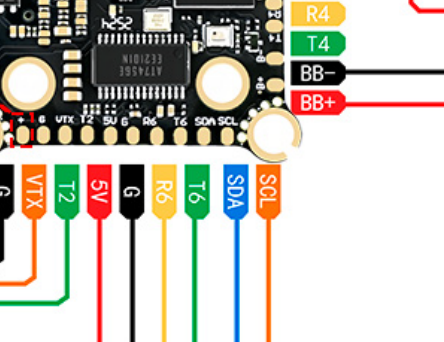


Weight: 31.7g

SEQUIRE H743 V2 & E70 G2

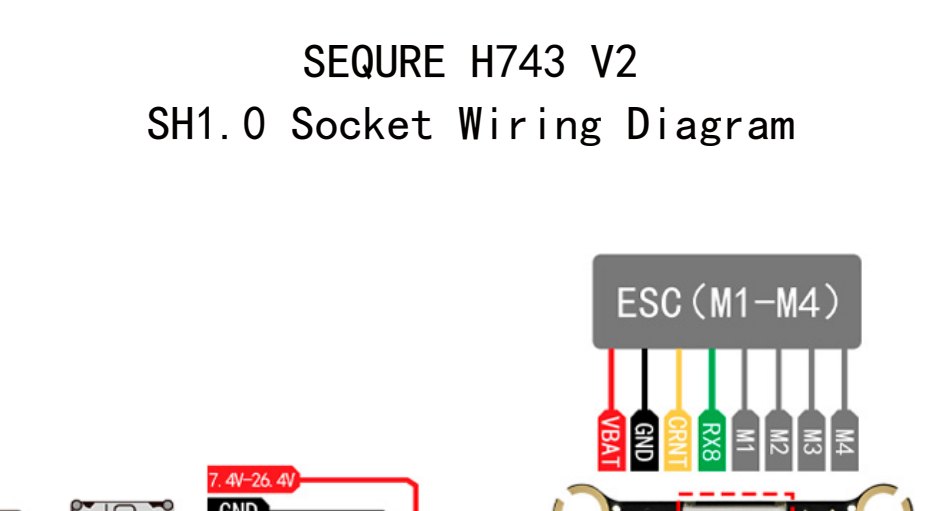
4 INSTALL

Note: Please ensure to follow the officially designated correct installation method, otherwise any malfunctions caused by installation issues will not be covered under warranty.



Standard installation method

5 WIRING DIAGRAM

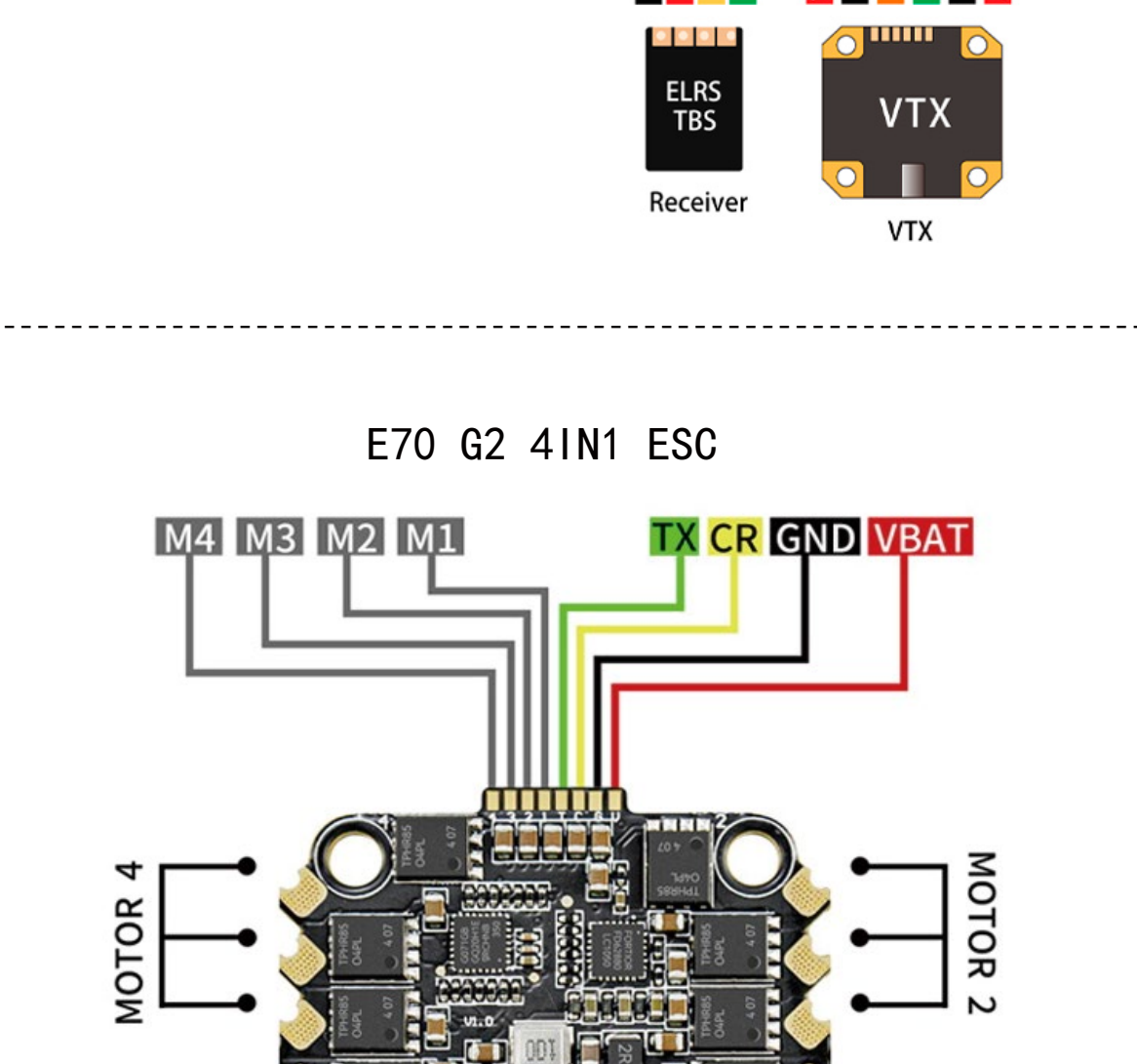


SEQUIRE H743 V2

E70 G2

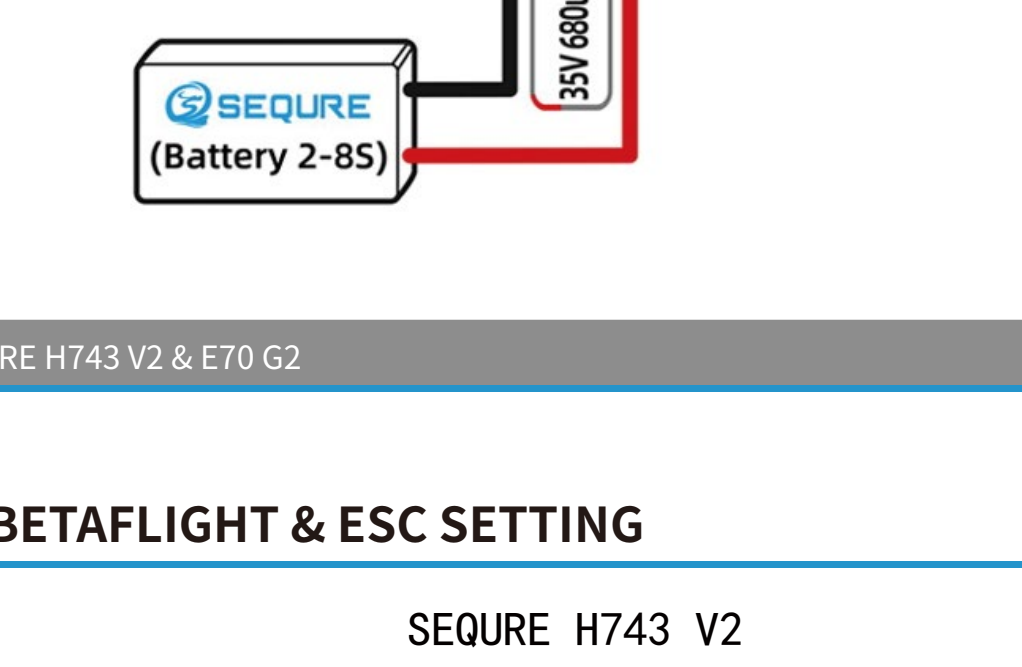
SEQUIRE H743 V2

Pad Wiring Diagram

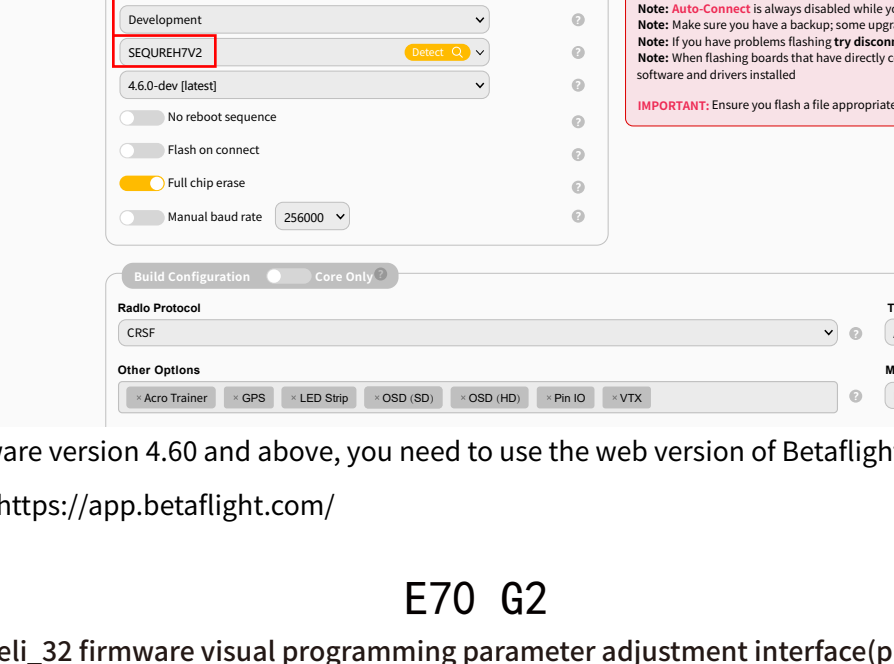


SEQUIRE H743 V2

SH1.0 Socket Wiring Diagram



E70 G2 4IN1 ESC

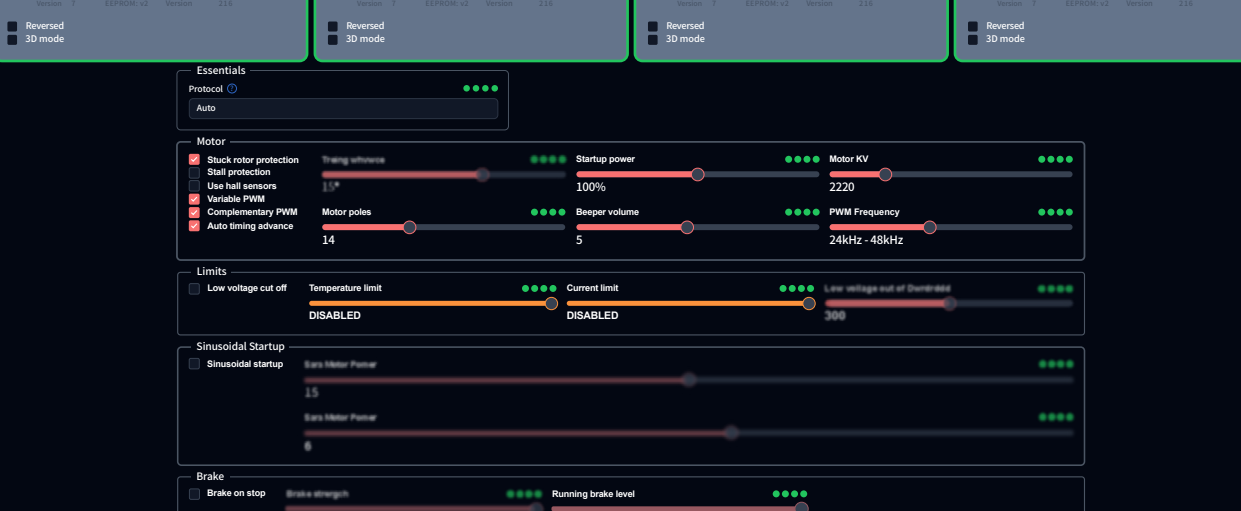


SEQUIRE H743 V2 & E70 G2

6 BETAFLIGHT & ESC SETTING

SEQUIRE H743 V2

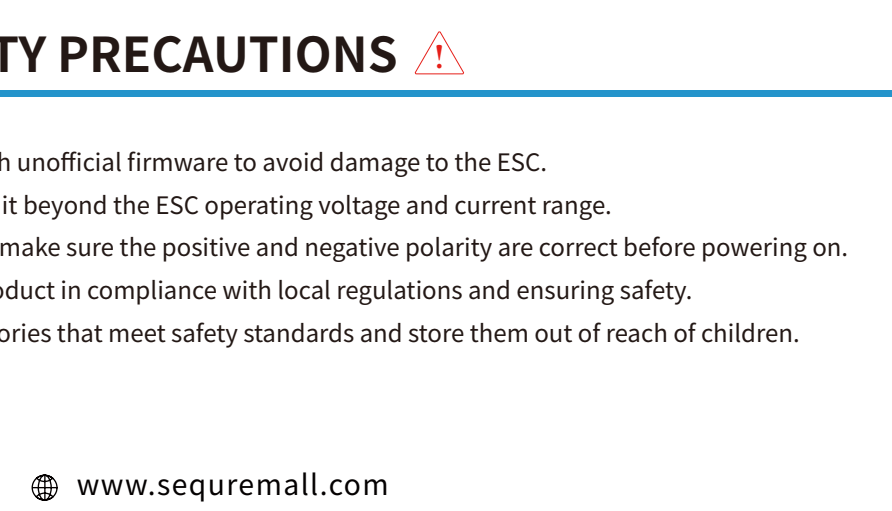
► Updated firmware version of FC



For firmware version 4.60 and above, you need to use the web version of Betaflight Configurator. Website: <https://app.betaflight.com/>

E70 G2

► BLHeli_32 firmware visual programming parameter adjustment interface(pre-release)



AM32 firmware visual programming parameter adjustment interface
Website: am32.ca

7 WARRANTY TERMS

- For those performance faults caused by non-human factors within 3 months from the date of purchase, we provide repair & maintenance service for free. After 3 months, no labor fee will be charged for repairs. If you would like to replace parts, you must pay for the cost.
- All man-made damage, faults caused by self disassembly & improper use, and all consumables like soldering tips are not covered by the warranty.

8 SAFETY PRECAUTIONS

- Please do not flash unofficial firmware to avoid damage to the ESC.
- Please do not use it beyond the ESC operating voltage and current range.
- Please check and make sure the positive and negative polarity are correct before powering on.
- Please use the product in compliance with local regulations and ensuring safety.
- Please use accessories that meet safety standards and store them out of reach of children.

www.sequiremall.com

info@sequiremall.com

SEQUIRE H743 V2 & E70 G2

1 产品描述

* SEQUIRE H743 V2飞控

- STM32H743高性能处理器, 运行频率高达480MHz, 控制响应迅速。
- ICM-42688-P 陀螺仪, 实现精准的姿态感知和稳定控制, 提高系统可靠性。
- 板载气压计, OSD, 16MB大容量黑匣子, 有效记录飞行数据。
- 预留6组串口, 满足大部分设备使用。
- 最多支持控制8个电机, 轻松构造X8。
- 配备直插式连接座, 双BEC输出, 提供独立的10V支持DJI O3和模拟图传直插使用。
- 支持宽电压输入4-8S Lipo, 20mm和30.5mm安装孔位, 小型化设计, 适配多种类型机架, 竞速, 航拍, 花飞等。

* E70 G2电调

- STM32G071高性能处理器, 使用BLHeli_32 | AM32 固件, 2-8S宽电压输入, 单路持续电流70A, 峰值电流高达150A。
- 内置电流计, 支持遥测回传, 实时更新电机转速, 温度, 电流等数据。
- 优质的高功率MOSFET, 超高的效率转换, 降低损耗, 延长飞行时间。
- 高铜厚多层PCB设计, 增大过流能力, 高效的散热性能, 无惧负载压力。
- 精准开关间隔时间控制, 加快电调的响应速度, 控制流畅, 手感细腻。
- PWM频率支持16KHz-128KHz, 优异的电路设计, 解决失步问题。
- 创新设计, 斜向面焊盘, 电机走线布局更加美观安全, 同时降低焊接难度。
- 30.5*30.5mm 安装孔距设计, 结构紧凑, 适配多种类型机架, 装机无压力。

2 产品参数

产品名称	SEQUIRE H743 V2
处理器	STM32H743
陀螺仪	ICM-42688-P
气压计	BMP280/DPS310/DPS368
OSD芯片	AT7456E
黑匣子	16MB
固件	SEQUIREH7
输入电压	4-8S Lipo
BEC输出	5V/2.5A, 10V/2A
串口	6个
电机控制	M1-M8
LED	1路2812编程LED
蜂鸣器	支持
电调遥测	RX8
USB	Type-C
安装孔距	20x20mm, Φ4mm 30.5x30.5mm, Φ4mm
产品尺寸	36.5*36.5*6mm
产品重量	7.3g

型号名称	E70 G2
处理器	STM32G071
PWM频率	16KHz-128KHz
工作电压	2-8S Lipo
持续电流	70A
峰值电流	150A
支持协议	Dshot600/300/150, Oneshot, Multishot, PWM
固件版本	AM32 BLHeli_32
遥测回传	支持
电流计	YES
BEC	NO
安装孔距	30.5x30.5mm, Φ4mm/M3
产品尺寸	45.5*42.5*6mm
产品重量	17.5g

3 尺寸重量



SEQUIRE H743 V2 & E70 G2

4

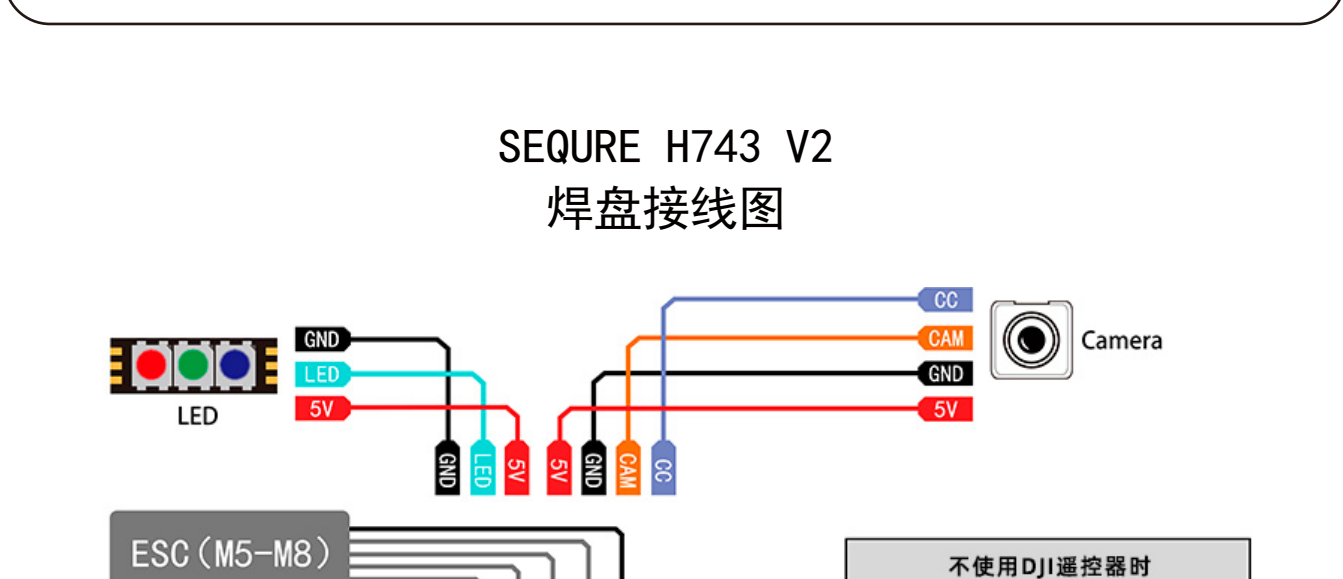
4 安装

注: 请一定按照官方指定正确的安装方式安装, 否则由安装问题引起的故障不在保修范围内。

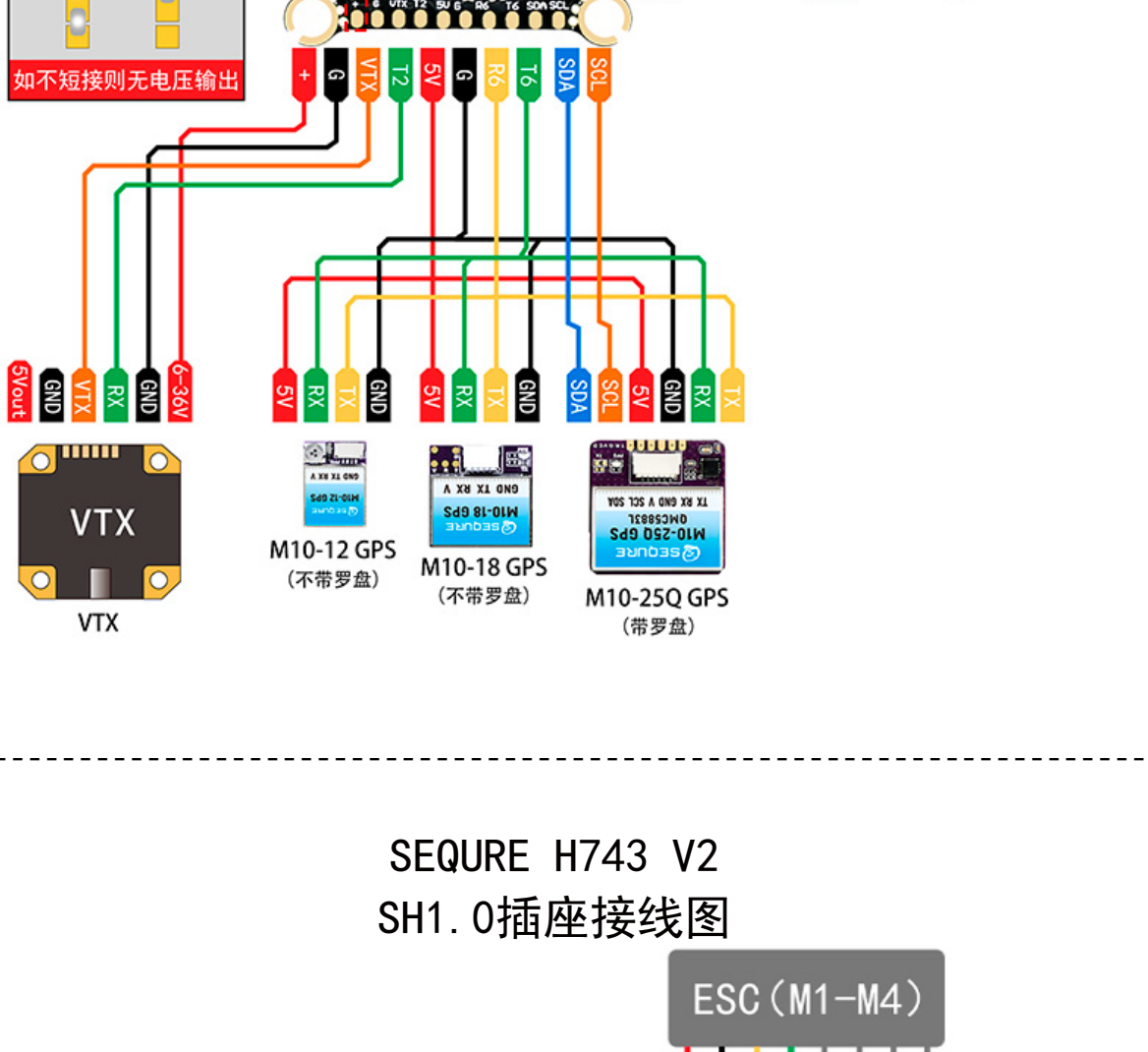


标准安装方式

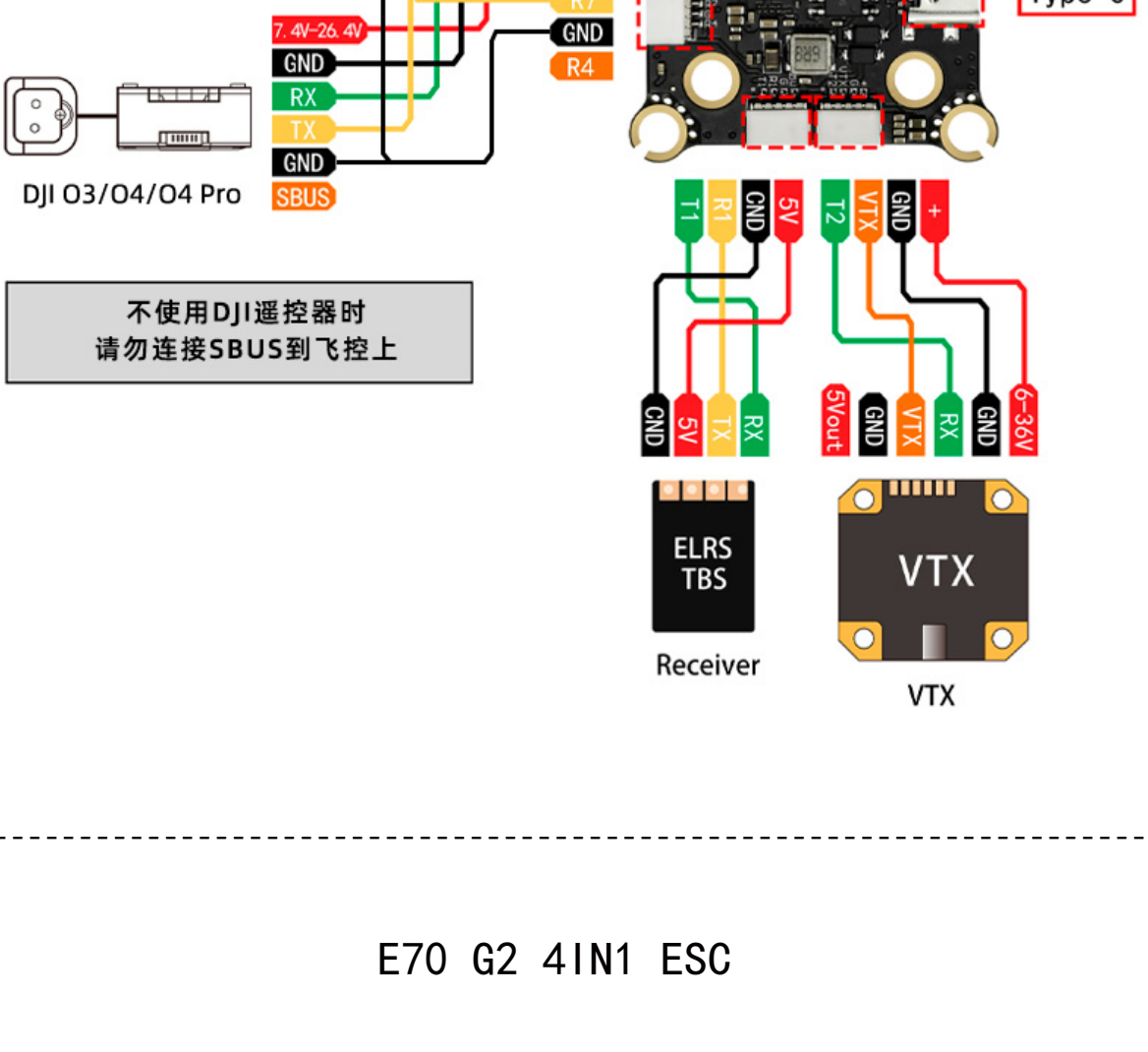
5 接线图



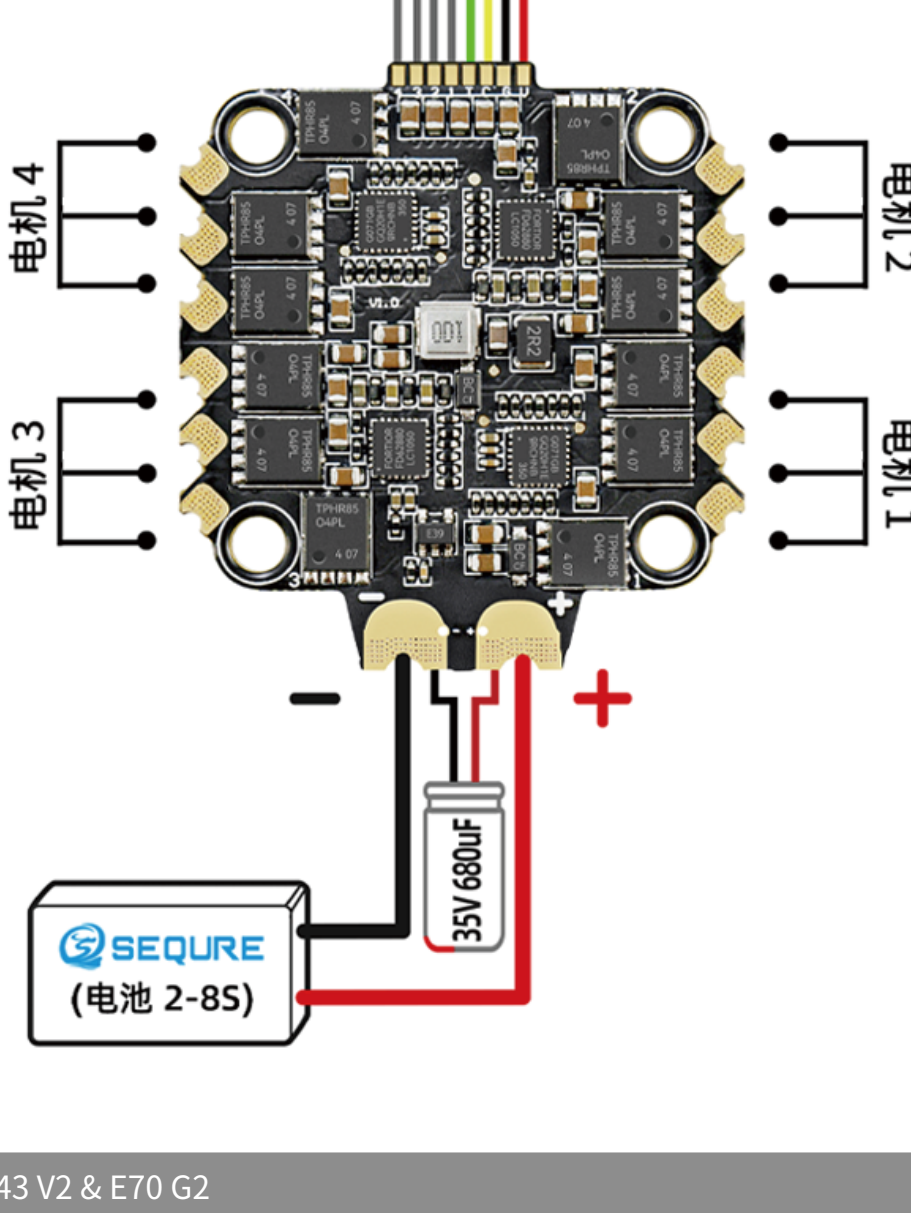
SEQUIRE H743 V2
焊盘接线图



SEQUIRE H743 V2
SH1.0插座接线图



E70 G2 4IN1 ESC



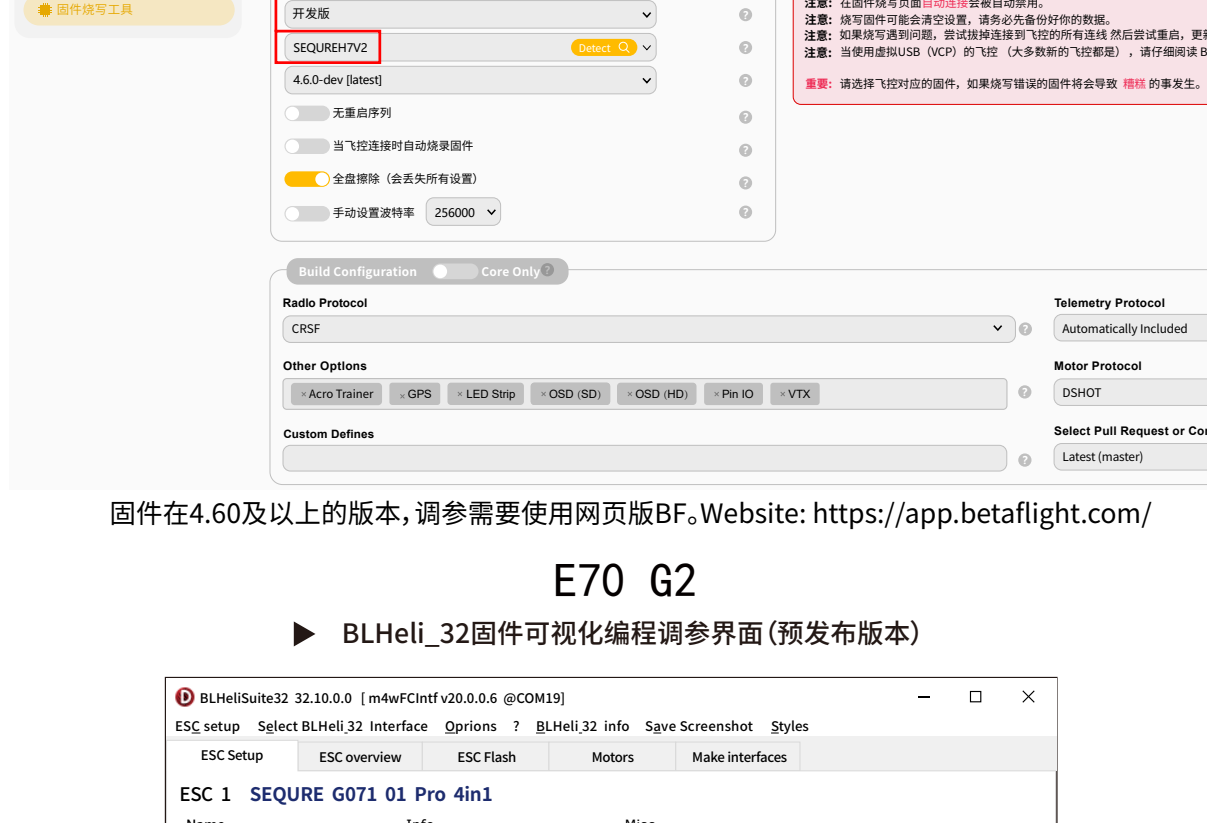
SEQUIRE H743 V2 & E70 G2

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6 地面站

SEQUIRE H743 V2

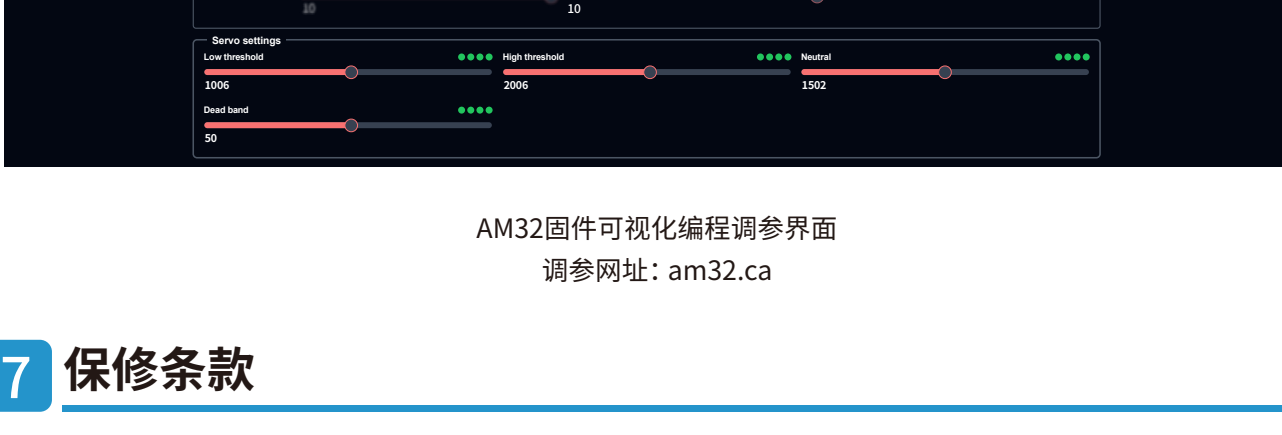
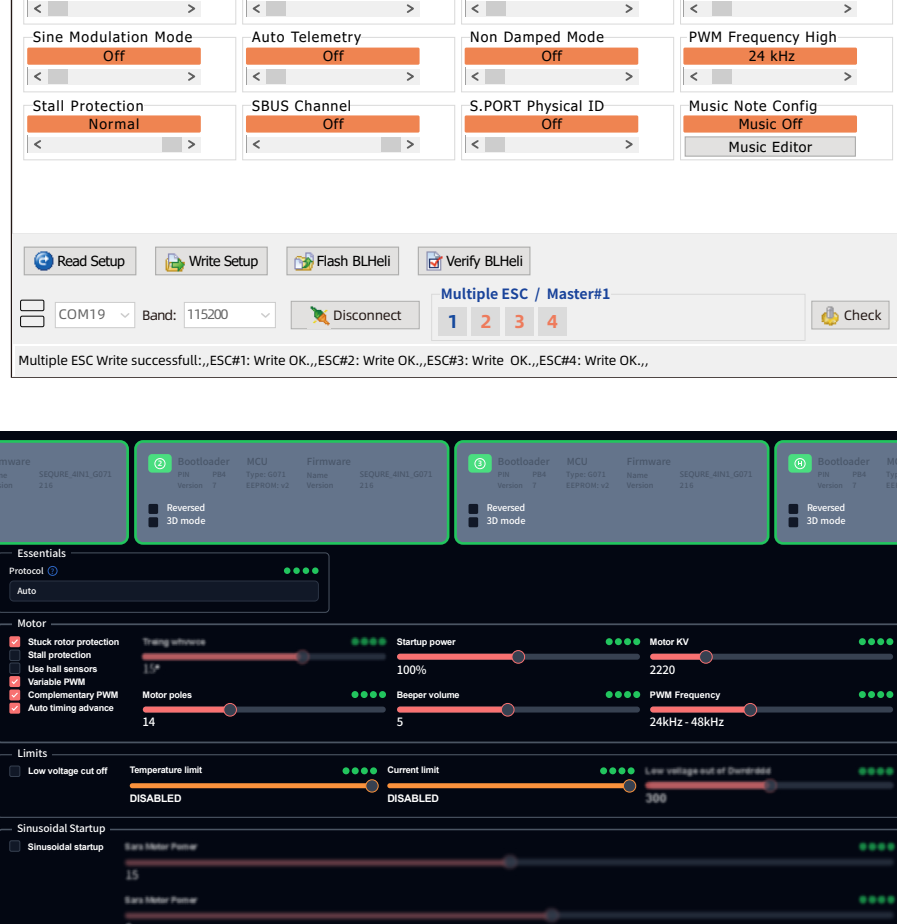
► 飞控更新固件版本



固件在4.60及以下的版本, 调参需要使用网页版BF.Website: <https://app.betaflight.com/>

E70 G2

► BLHeli_32固件可视化编程调参界面(预发布版本)



AM32固件可视化编程调参界面

调参网址: am32.ca

7 保修条款

- (1)自购机之日起3个月内出现非人为因素造成的性能故障, 厂家提供免费维修服务.3个月, 修理不收取人工费, 若更换配件, 费用需用户承担。
- (2)一切人为损坏, 自行拆机, 使用不当造成的故障, 不在保修范围。

8 安全须知

- 请勿刷写非官方指定的固件, 以免损坏电调。
- 请勿超过ESC工作电压, 电流范围使用。
- 请供电前检查并确保正负极性无误, 才能通电使用。
- 请在符合当地法规和确保安全情况下使用产品。
- 请使用符合安全标准的配件, 存放在儿童不容易接触的地方。



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6