

产品介绍 Introduction

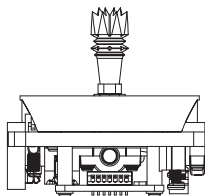
FS-HZCZ03-ADJ 是一款采用全新三轴霍尔磁感应技术，配以金属质感的非接触式传感可调机械角度的摇杆总成座，可自由调节左右手及油门是否回中，适配 M3 操作铝柄。

The FS-HZCZ03-ADJ is a Hall Gimbals assembly with a new three-axis Hall magnetic sensing technology and a non-contact sensing adjustable mechanical angle with metal texture. You can choose to control it by the left or right hands and whether the accelerator returns to the center. The FS-HZCZ03-ADJ also compatibles to the M3 aluminum operating handle.

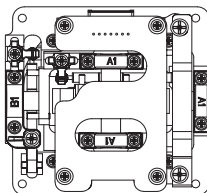
概览 Overview

FS-HZCZ03-ADJ 由 SPI 组件以及 USART 组件组成。

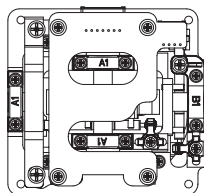
The FS-HZCZ03-ADJ is composed of the SPI components and the USART components.



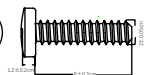
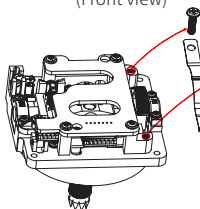
正视图
(Front view)



SPI 背板
(The SPI Backplane)

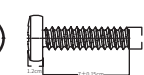


USART 背板
(The USART Backplane)



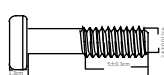
圆头十字螺丝 ①

Round head Phillips screw ①



圆头十字螺丝 ②

Round head Phillips screw ②



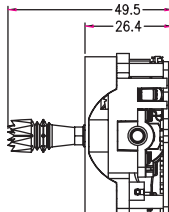
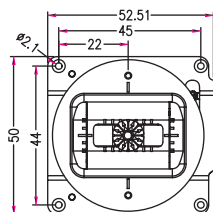
半牙螺丝

Half-threaded screw

- FS-HZCZ03-ADJ 出厂附赠一个带凹槽的油门弹片，用户可根据实际需求进行更换，跟换示意图如上图所示；
- FS-HZCZ03-ADJ 出厂附赠圆头十字螺丝 ① 8 枚，用于将总成座和遥控器连成一体，对二者进行加固；圆头十字螺丝 ② 1 枚，用于有弹簧位置的螺丝替换；半牙螺丝 2 枚，用于安装油门卡片位置处螺丝的替换。
- The FS-HZCZ03-ADJ comes with throttle shrapnel with grooves, which can be replaced according to the actual needs of the user. The replacement diagram is shown in the picture above.
- FS-HZCZ03-ADJ comes with 8 round head Phillips screws used to connect the assembly seat and Round head Phillips screw the remote control and reinforce them; 1 round head Phillips screw used to replace the screw in the spring position; and 2 half-threaded screws used to replace those in the position where the accelerator clamping piece is mounted.

规格 specification

单位: mm

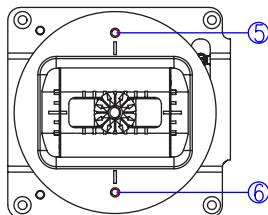
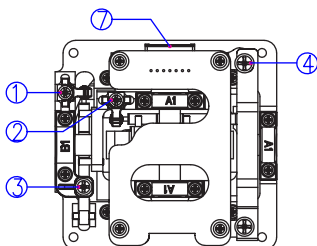


产品规格 Product specification

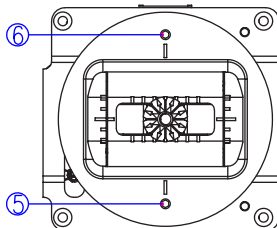
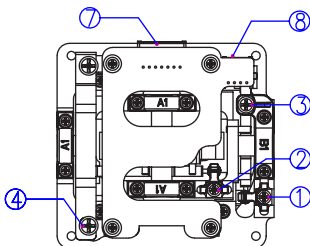
- 产品型号: FS-HZCZ03-ADJ
- 产品名称: 霍尔摇杆总成座
- 传感类型: 霍尔
- 工作电压: DC 3.3V
- 分辨率: 4096
- 线性度: 0.5us
- 机械行程可调范围: 38°—54°
- 温度范围: -10°C—60°C
- 尺寸: 53*50*26.5mm
- 重量: 71g (单个)
- Product Model: FS-HZCZ03-ADJ
- Product Name: : Hall Gimbal
- Sensor Type: Hall
- Working Voltage: DC 3.3V
- Resolution: 4096
- Linearity: 0.5us
- Adjustable range of mechanical stroke: 38°—54°
- Humidity Limit: -10°C—60°C
- Dimensions: 53*50*26.5mm
- Weight: 71g (Single)

调节说明 Adjustment instructions

SPI:



USART:



- ①: 调节摇杆总成纵向摇杆弹力;
- ②: 调节摇杆总成横向摇杆弹力;
- ③: 调节摇杆总成摇杆是否回中;
- ④: 调节摇杆总成纵向摇杆摩擦力;
- ⑤、⑥: 调节摇杆总成纵向摇杆角度大小;
- ⑦: 连接摇杆总成 SPI/USART 组件的接口;
- ⑧: 通道数据输出接口。
- ①: Gimbal stick vertical tension adjustment
- ②: Gimbal stick horizontal tension adjustment
- ③: Gimbal stick centering adjustment
- ④: Throttle stick drag resistance adjustment
- ⑤、⑥: Gimbal stick vertical travel adjustment
- ⑦: SPI/USART connection interface
- ⑧: Channel data output interface

注:

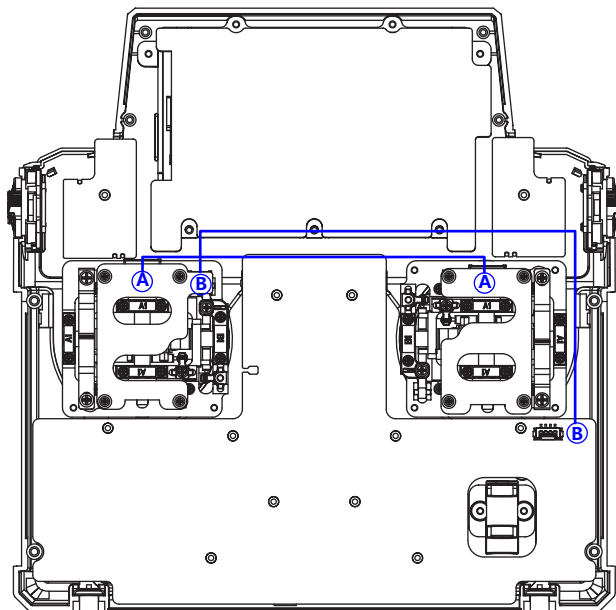
1. 拧动螺丝时请勿过度调节, 防止螺丝脱落;
2. 首次使用时请通过发射机对霍尔摇杆总成座进行校准, 校准方法请查看所使用的发射机说明书;

Note:

1. Do not over adjusting the screw, to prevent it from falling off;
2. For the first use, please calibrate the Hall Gimbals through the transmitter; please refer to the transmitter manual about calibration method.

安装说明 installation instructions

总成座与 PL18 安装示意图 (Diagram of the assembly base and PL18 installation) :



A-A: 总成座 USART 和 SPI 连接;

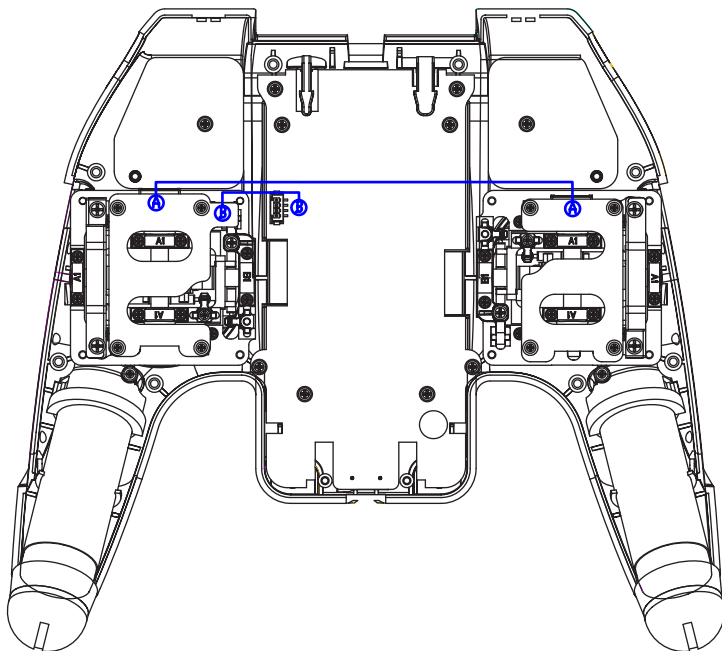
B-B: 连接总成座 USART 和发射机主板;

A-A: Assemble the seat USART and the SPI connection;

B-B: Connect the assembly base USART and the transmitter main board;

安装说明 installation instructions

总成座与 NV14 安装示意图 (Diagram of the assembly base and NV14 installation:):



A-A: 总成座 USART 和 SPI 连接;

B-B: 连接总成座 USART 和发射机主板;

A-A: Assemble the seat USART and the SPI connection;

B-B: Connect the assembly base USART and the transmitter main board;