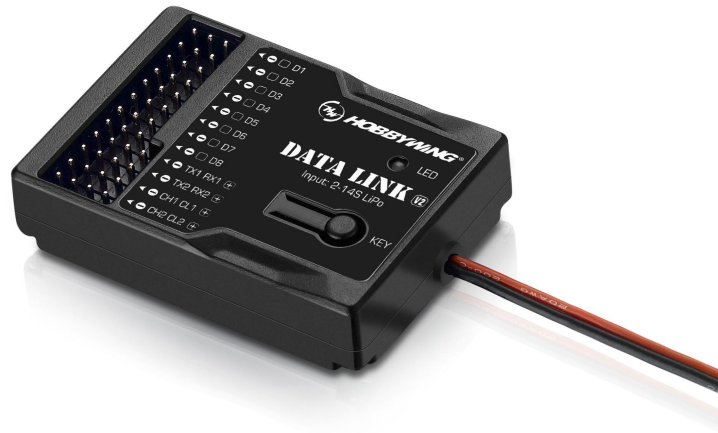




DataLink ID Setting and Rotation/LED Color Changing

## ESC CAN Function Guidance

Tools:

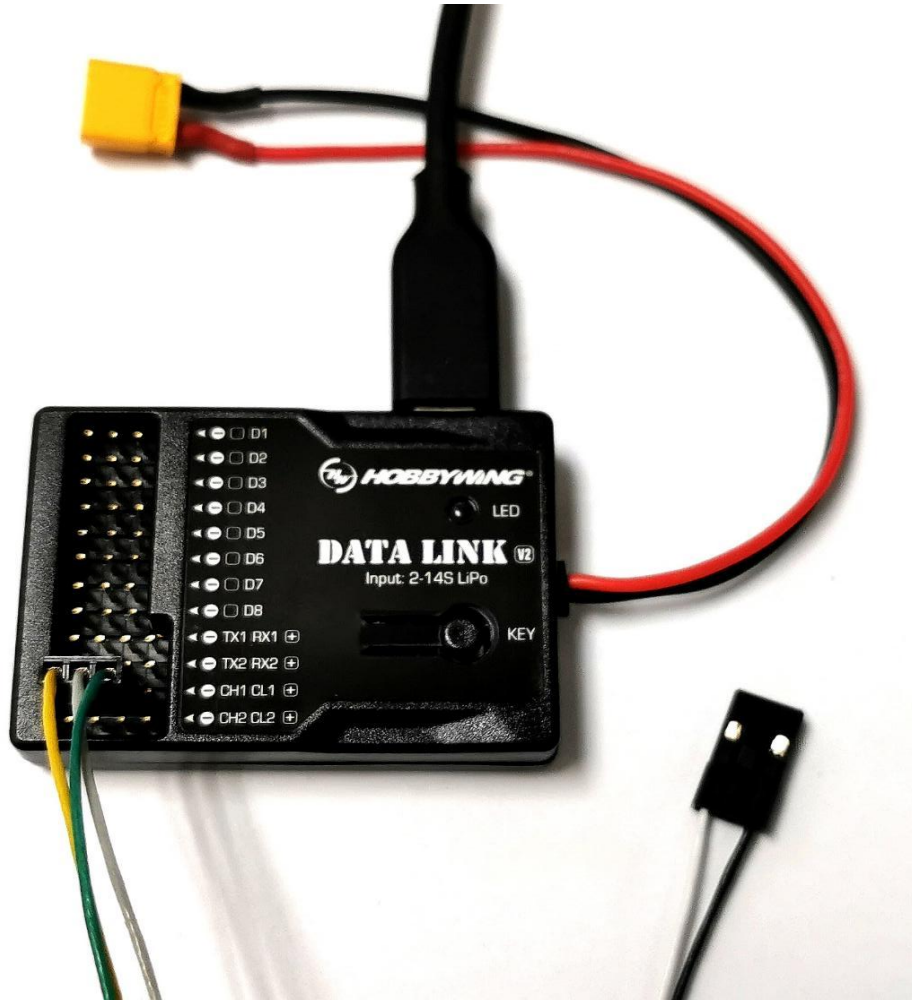


Datalink V2



Type-C Cable

Wiring:



#### TIPS:

1. Datalink only needs USB power supply.
2. Independent power supply is required to ESC in the parameter changing progress. For details, see the following article.
3. Plug the CAN cable in the “-CH1 CL1 +” port.
4. The yellow wire is GND, the gray is CH, and the green wire is CL. No need to connect the positive.
5. If the LED light flashes **red**, it is abnormal. Please upgrade the firmware of DataLink box or contact the after-sales service.

Software:



The screenshot shows a Windows File Explorer window with the following table of contents:

名称	修改日期	类型	大小
AutoSave	2022/5/17 13:54	文件夹	
Lib	2022/3/4 16:49	文件夹	
Log	2022/1/19 14:59	文件夹	
MSVCR100	2022/4/19 10:43	文件夹	
AIRCRAFT_ESC_settings.db3	2022/3/4 16:47	DB3 文件	112 KB
AIRCRAFT_ESC_version_control	2022/3/4 16:48	配置设置	7 KB
<b>DataLink</b>	<b>2020/7/10 15:28</b>	<b>应用程序</b>	<b>2,811 KB</b>
DataLink.exe.config	2019/8/20 14:34	CONFIG 文件	2 KB
DataLink.pdb	2020/7/16 14:21	PDB 文件	1,144 KB
LCD_settings.db3	2020/7/29 13:20	DB3 文件	4,444 KB
LCD_version_control	2022/3/17 9:52	配置设置	2 KB
msvcr100.dll	2009/8/24 10:15	应用程序扩展	744 KB
Newtonsoft.Json	2019/4/22 0:57	XML 文档	543 KB
System.Data.SQLite	2019/6/8 16:50	XML 文档	1,064 KB
UART_D.DAT	2018/8/17 17:50	DAT 文件	2 KB
UART_L.DAT	2018/8/9 15:41	DAT 文件	10 KB
version_control	2020/7/28 11:26	XML 文档	1 KB

The 'DataLink' file is highlighted with a red box, and a red arrow points to it from the right side of the window.

**DataLink** USB 串口

固件更新 | CAN调参 | UART调参

更新信息 数据库版本: 2023-05-10

2025-02-20 14:42:47:499 : 系统时间: 2025-2-20 14:42:47  
2025-02-20 14:42:47:500 : 日期相同, 无需同步

类型

- Uart->ESC
- CAN->ESC
- CAN
- Uart->ESC(FAST)
- CAN->ESC(FAST)
- DataLink

316软件版本 2. 如果不是, 点击这里

**LINK-01.2.16-SC**

1. 确认DataLink盒子的固件版本是否为 LINK-01.2.16-SC

1. Check if the firmware version of DataLink V2 is LINK-01.2.16-SC

设备类型: HW-DATALINK

硬件版本: HW316\_YT1\_V1.3

固件版本: LINK-01.2.16-SC

可用版本

- LINK-01.2.16-SC
- CAN\_TEST\_ESC\_0.1
- FAST-C V001
- FAST-U V001
- PWM TOOLS V1.11
- LINK-01.1.06-C
- LINK-01.1.06-U
- LINK-01.2.07-U
- LINK-01.2.07-C
- LINK-01.2.16-C
- LINK-01.2.16-SC**

3. 选择LINK-01.2.16-SC, 点击下方的“更新”

3. Choose LINK-01.2.16-SC, click "更新" below to execute the firmware upgrade

V2.0.5 连接状态: ● 通讯状态: ●

# 1. ID setting (only one ESC can be connected to DataLink box)



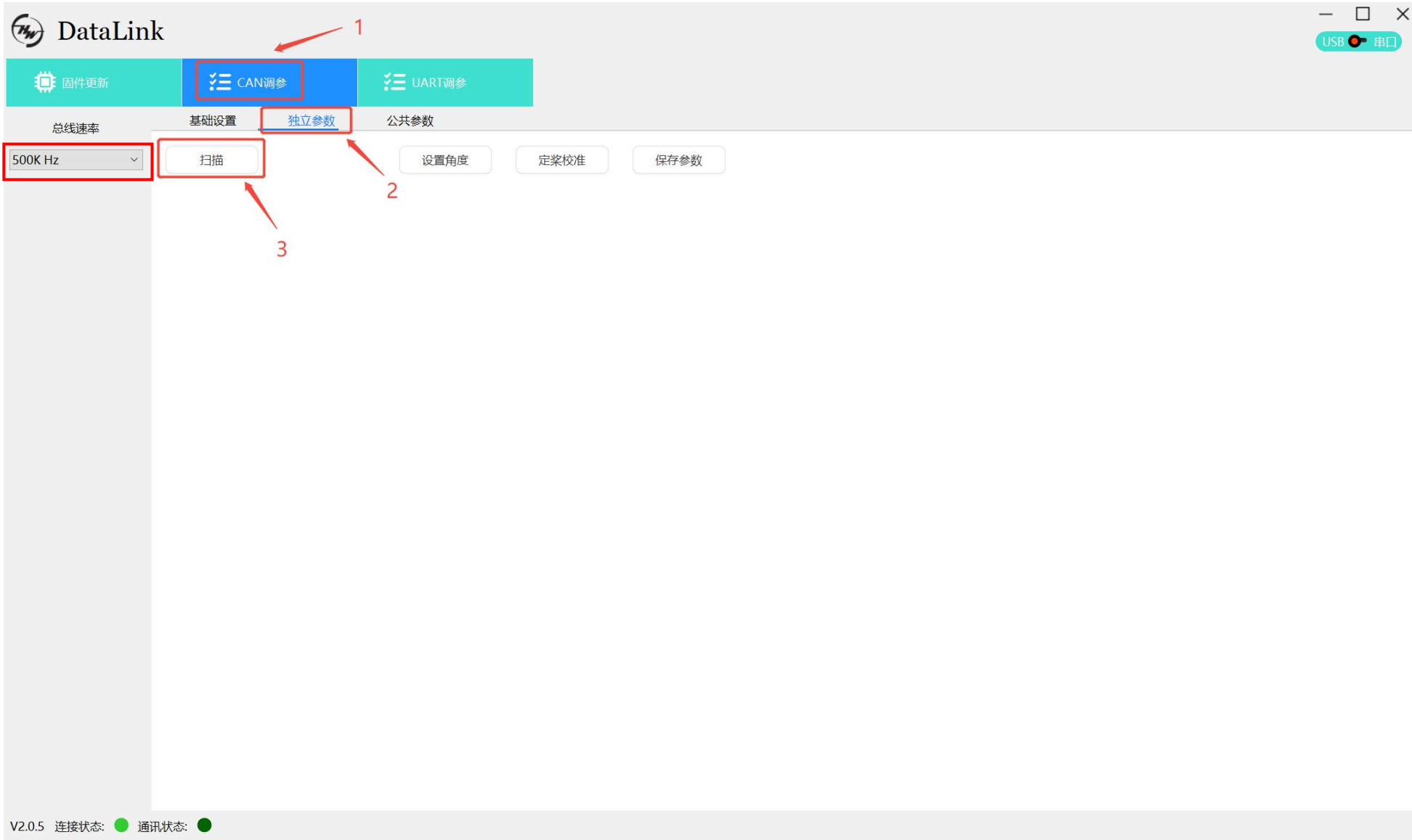
Notice:

1. For the first time use, the baud rate of ESC is default **500K Hz**. If changed, set as the real baud rate of ESC.
2. It is recommend to set the Node ID and Throttle ID the same for one ESC. For example, for one ESC, the Node ID is 2, and Throttle ID is 2.

The screenshot shows the DataLink software interface. At the top, there are tabs for 'CAN调参' and 'UART调参'. Below that, there are sections for '基础设置', '独立参数', and '公共参数'. A red box highlights the '500K Hz' baud rate setting (labeled 2) and the 'ID及油门通道' section (labeled 3). The 'ID' and '油门通道' fields are both set to '1'. A '温馨提示' dialog box is shown at the bottom, indicating 'ID&油门通道设置成功' (labeled 5).

Node ID      Throttle ID

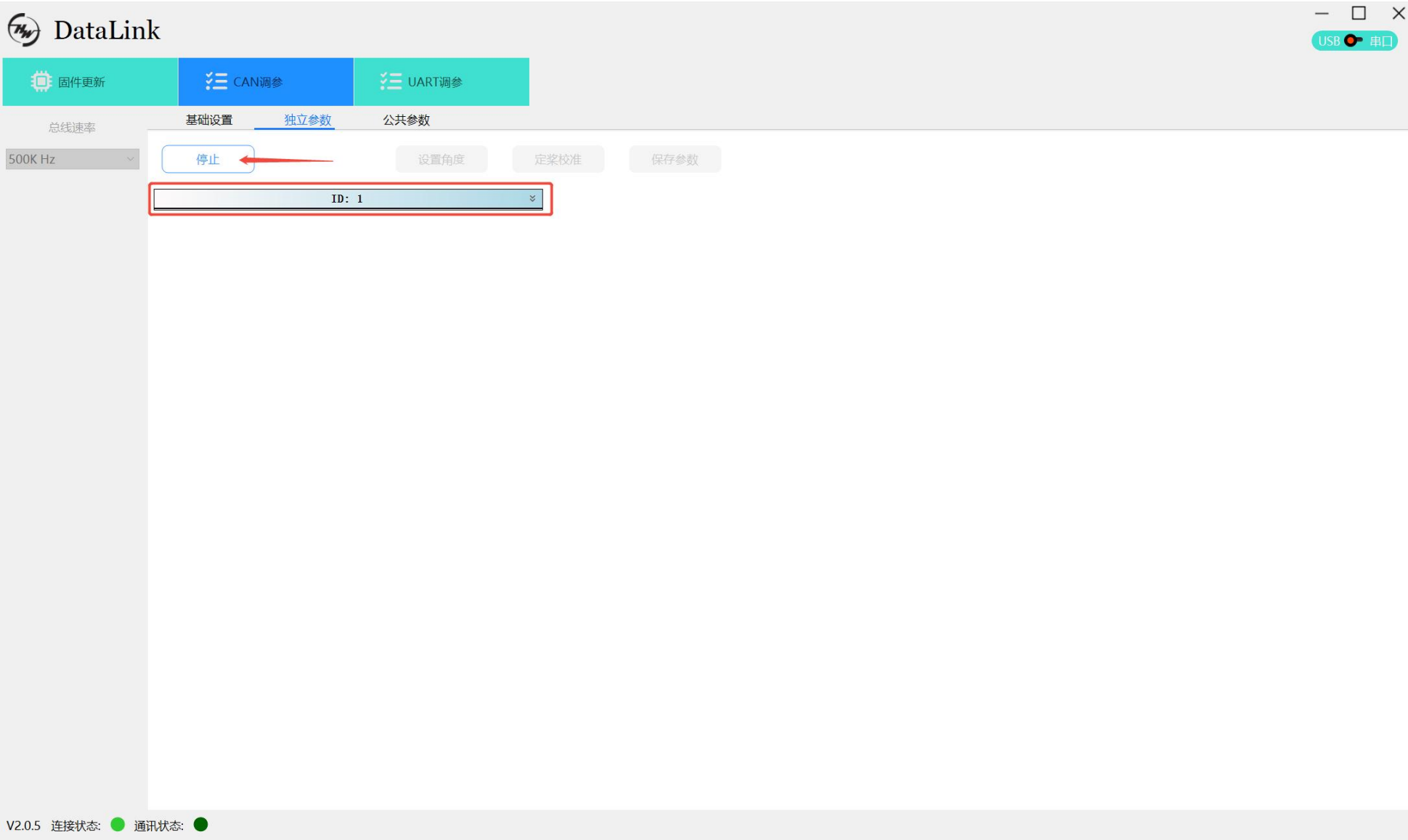
## 2. Changing LED color, changing motor direction (only one ESC can be connected to DataLink box)



Notice:

1. For the first time use, the baud rate of ESC is default **500K Hz**. If changed, set as the real baud rate of ESC.

## 2. Changing LED color, changing motor direction (only one ESC can be connected to DataLink box)



Notice:

1. When the ESC ID shows, click to stop scanning.

## 2. Changing LED color, changing motor direction (only one ESC can be connected to DataLink box)



The screenshot shows the DataLink software interface with the following elements:

- Buttons:** 扫描 (Scan), 设置角度 (Set Angle), 定桨校准 (Blade Calibration), 保存参数 (Save Parameters).
- Parameters:**
  - 定桨角度 (Blade Angle): 3277
  - LED灯色 (LED Color): Radio buttons for R (Red), G (Green, selected), and B (Blue).
  - LED闪烁频率 (LED Flash Frequency): 不闪烁 (No Flash).
  - 电机转向 (Motor Direction): Radio buttons for CW (Clockwise, selected) and CCW (Counter-clockwise).
- Annotations:**
  - A red box highlights the "保存参数" button with the text "完成参数改动后点击以保存" (Click to save after parameter changes).
  - A red arrow points to the "保存参数" button with the text "After finish changing, click to save".
  - A red arrow points to the LED color selection area with the text "Changing LED color".
  - A red arrow points to the motor direction selection area with the text "Changing motor direction".

Notice:  
1. Click to show the drop-down list and parameters.

	R	G	B
Red	✓	✗	✗
Green	✗	✓	✗
Blue	✗	✗	✓
White	✓	✓	✓
Purple	✓	✗	✓

Regular RGB combinations

## 2. Changing LED color, changing motor direction (only one ESC can be connected to DataLink box)



温馨提示  
参数保存成功, 重新上电后将载入参数!

取消 确定

Click to confirm

V2.0.5 连接状态: ● 通讯状态: ●

Notice:

1. After repowering the ESC, the changing will take effect.