

NexRadio DCS Gimbal Installation Guide

NexRadio DCS Gimbal Installation Guide

RadioMaster TX16S MKII

UART4 supports the digital gimbal protocol by default.

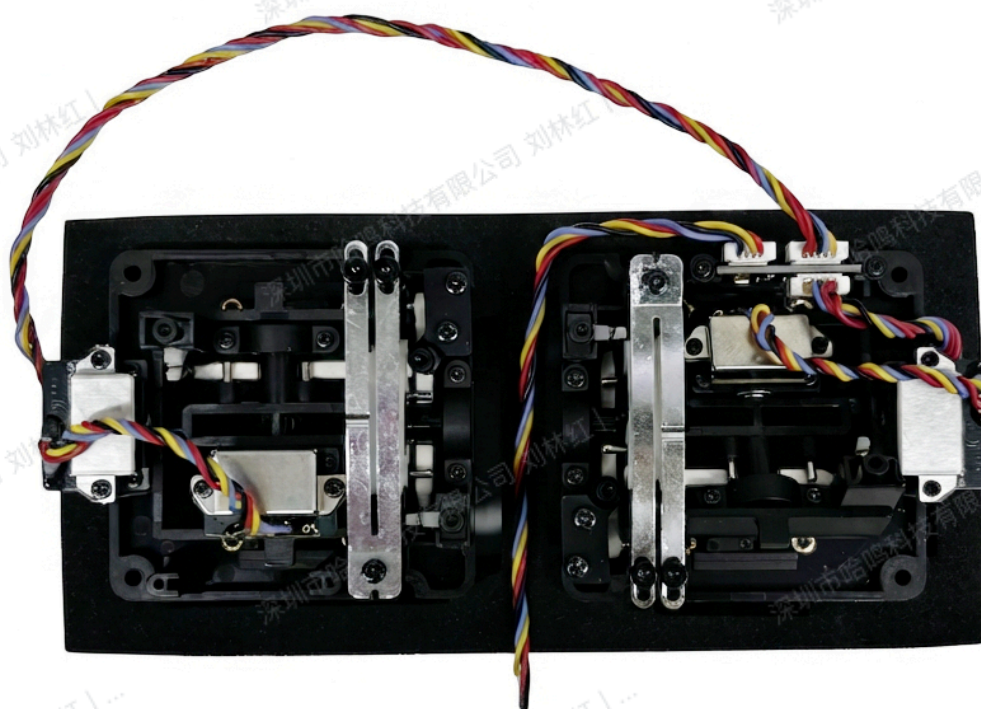
1. Replace the Cable A with the included 160mm 5-pin double-ended cable with SH1.0 connectors.



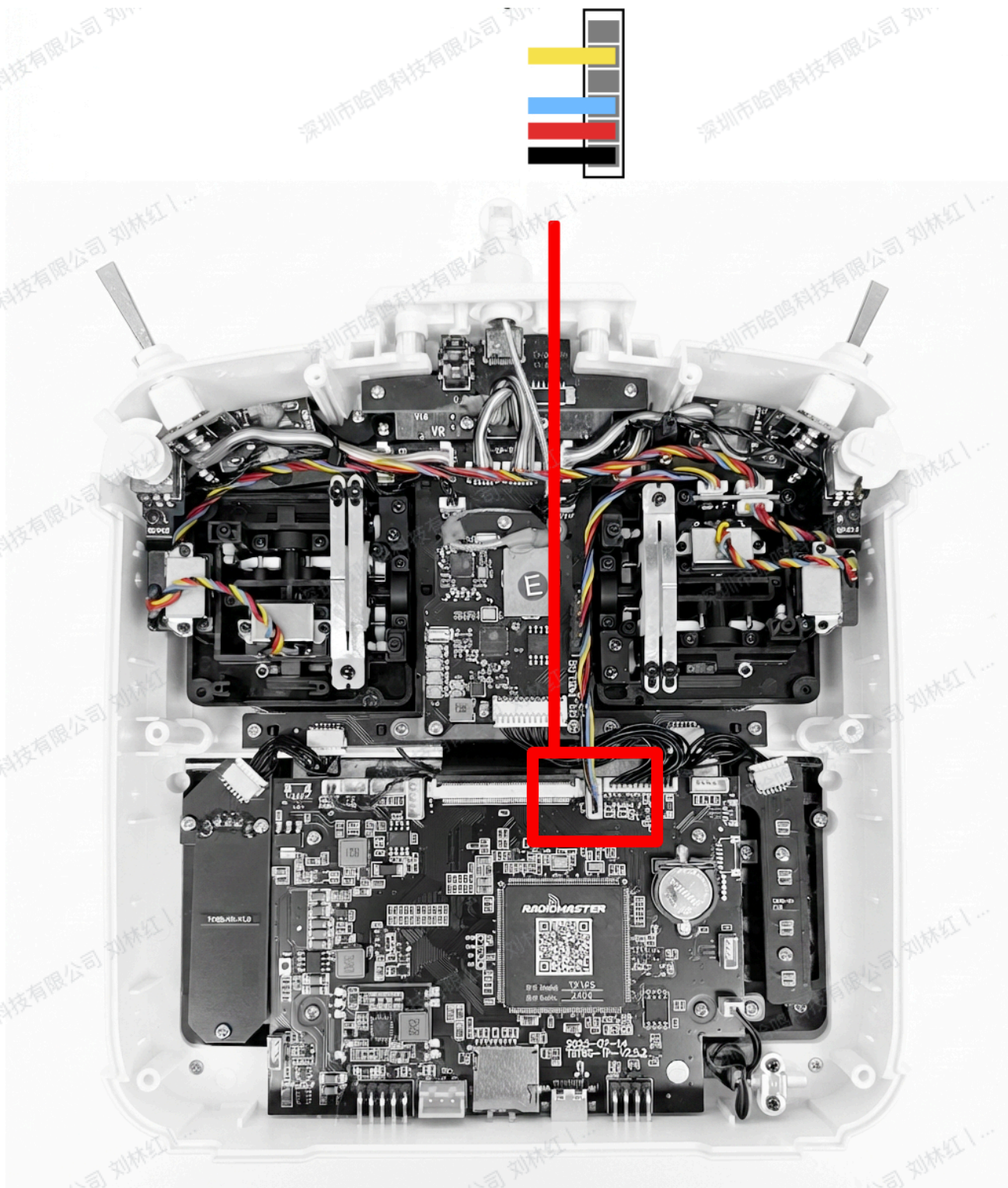
2. Replace the Cable B with the included 95mm double-ended adapter cable (SH1.0 4-pin to SH1.25 6-pin). Arrange the wires according to the pinout shown below.



3. The 4-pin connector of the cable that replaced Cable B should be inserted into the gimbal. Insert the cables in the direction shown below, and please set your gimbals in that direction to install them into your transmitter.



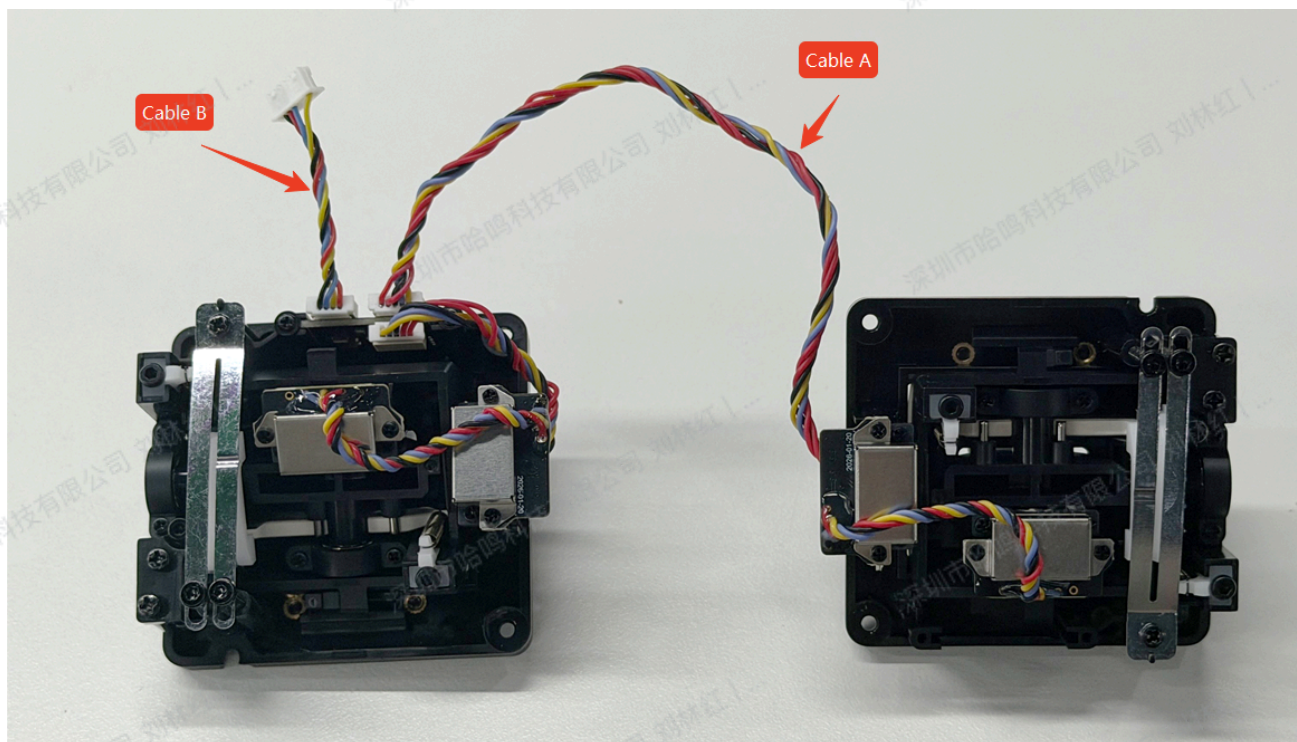
4. Connect the gimbals to the transmitter in the position and pinout shown below.



RadioMaster TX15

No firmware update is required; the gimbals work once connected.

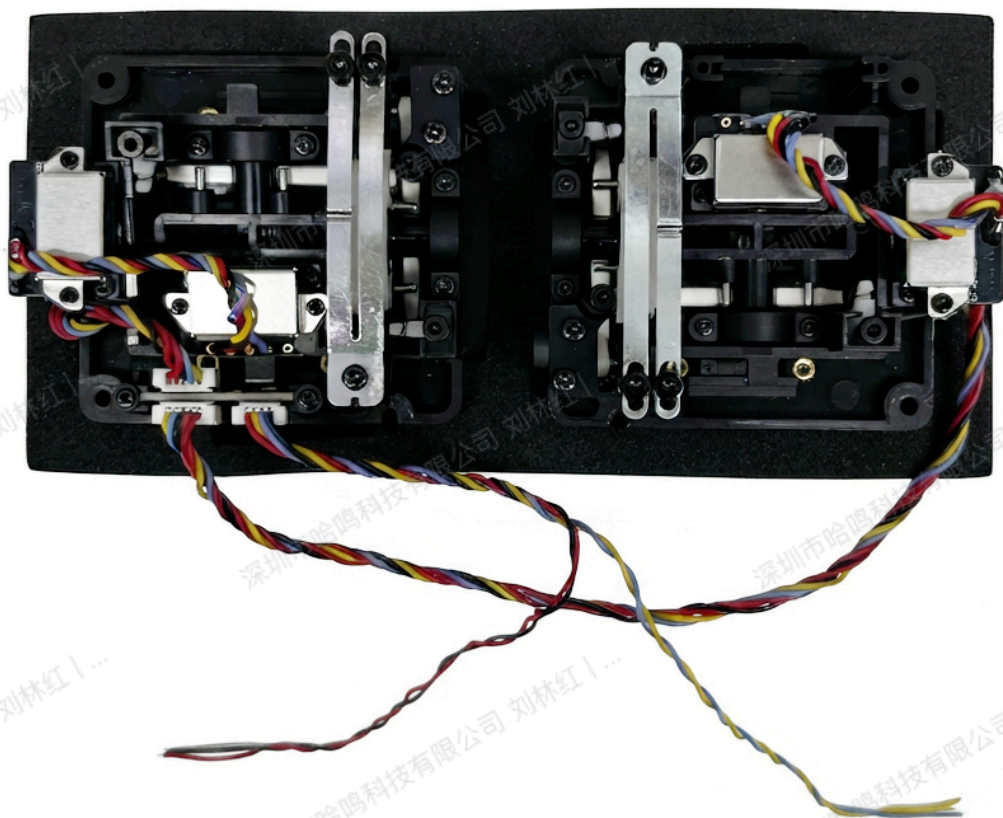
1. Replace the Cable A with the included 160mm 5-pin double-ended cable with SH1.0 connectors.



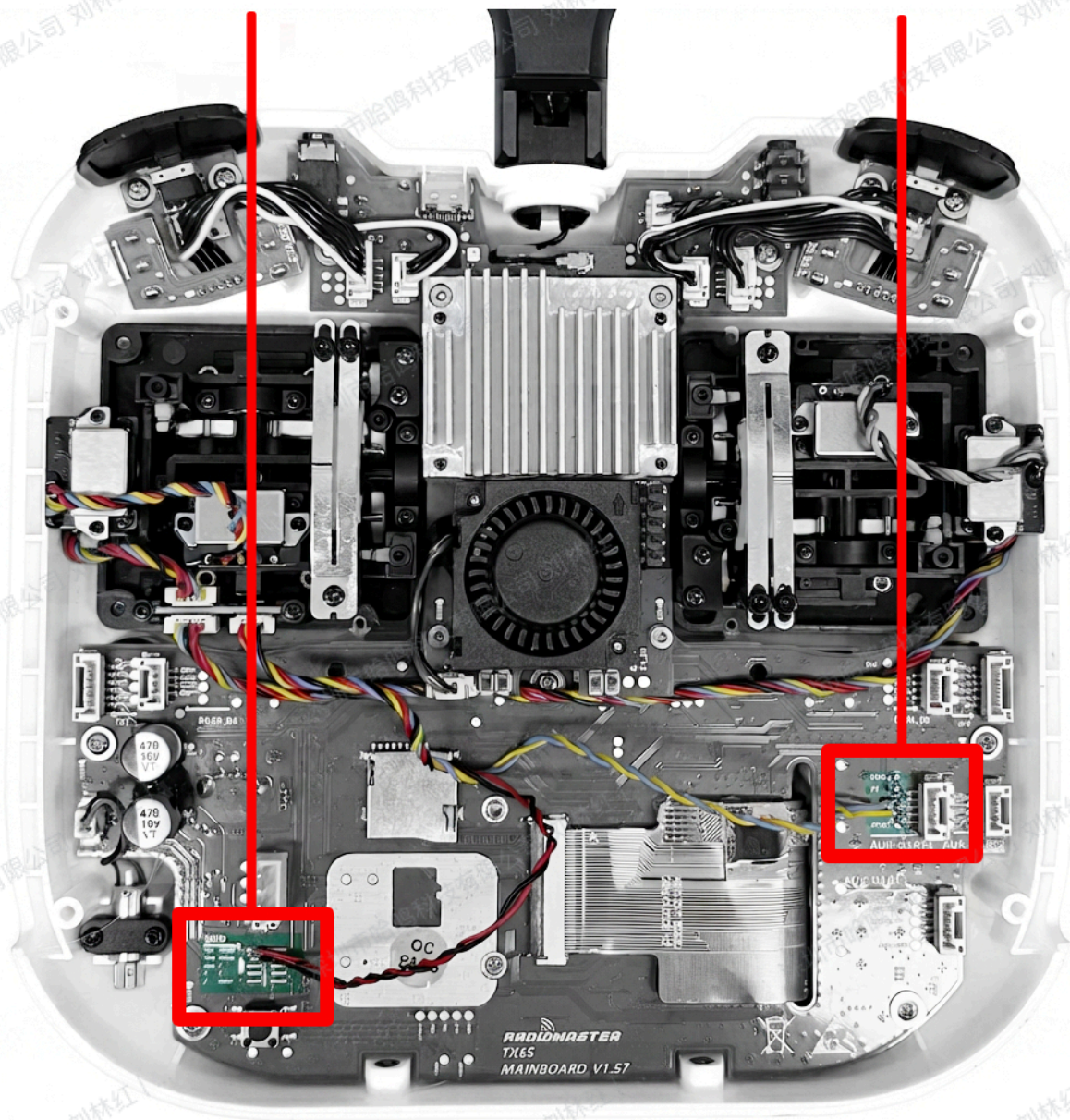
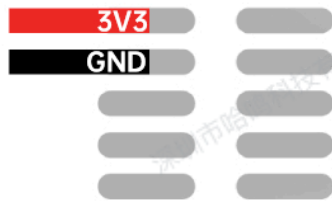
2. Replace the Cable B with the 145mm 4-pin single-ended cable, which has a SH1.0 connector.



3. Insert the cables in the direction shown below, and please set your gimbals in that direction to install them into your transmitter.



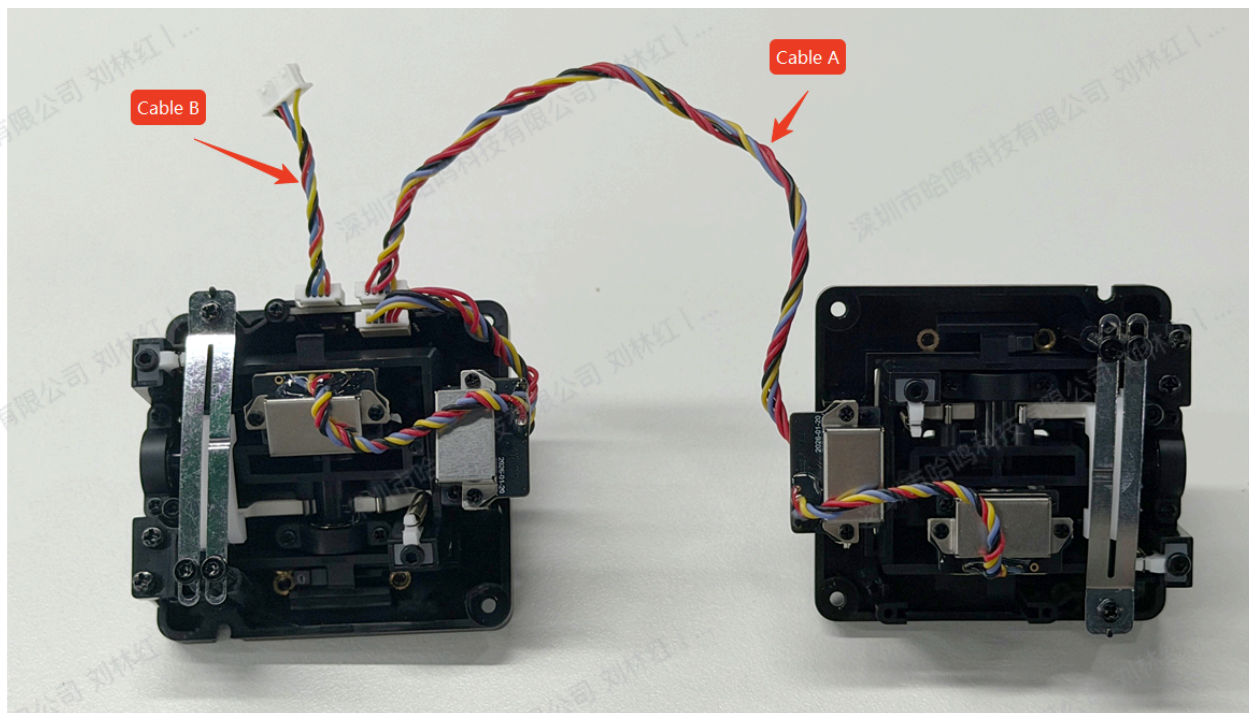
4. Solder the gimbals to the transmitter in the positions and pinout shown below.



RadioMaster BOXER

EdgeTX firmware higher than version 2.9.0 supports the NexRadio DCS Gimbals by default.

1. Replace the Cable A with the included 160mm 5-pin double-ended cable with SH1.0 connectors.

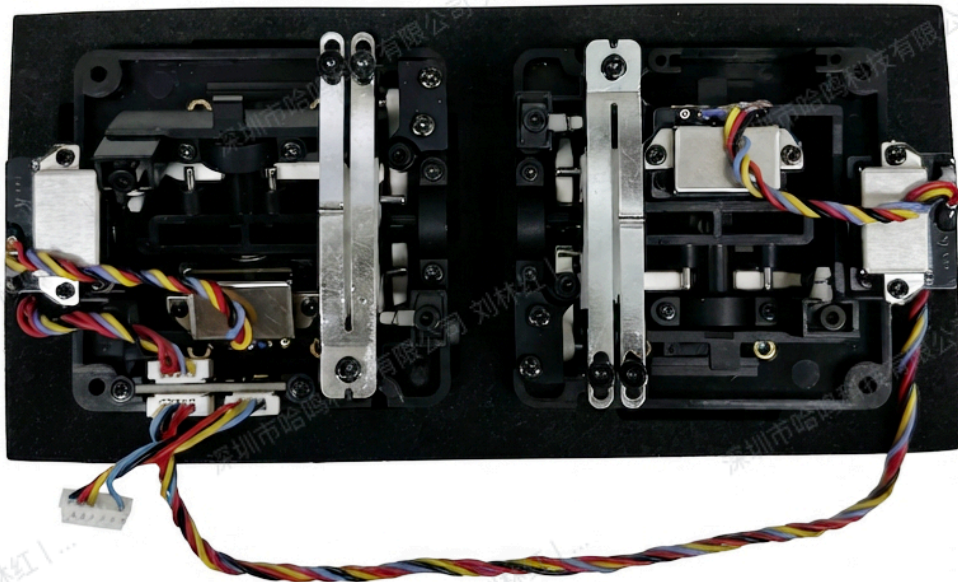


2. Reorder the wires at the SH1.25 6-pin connector of Cable B according to the pinout shown below.

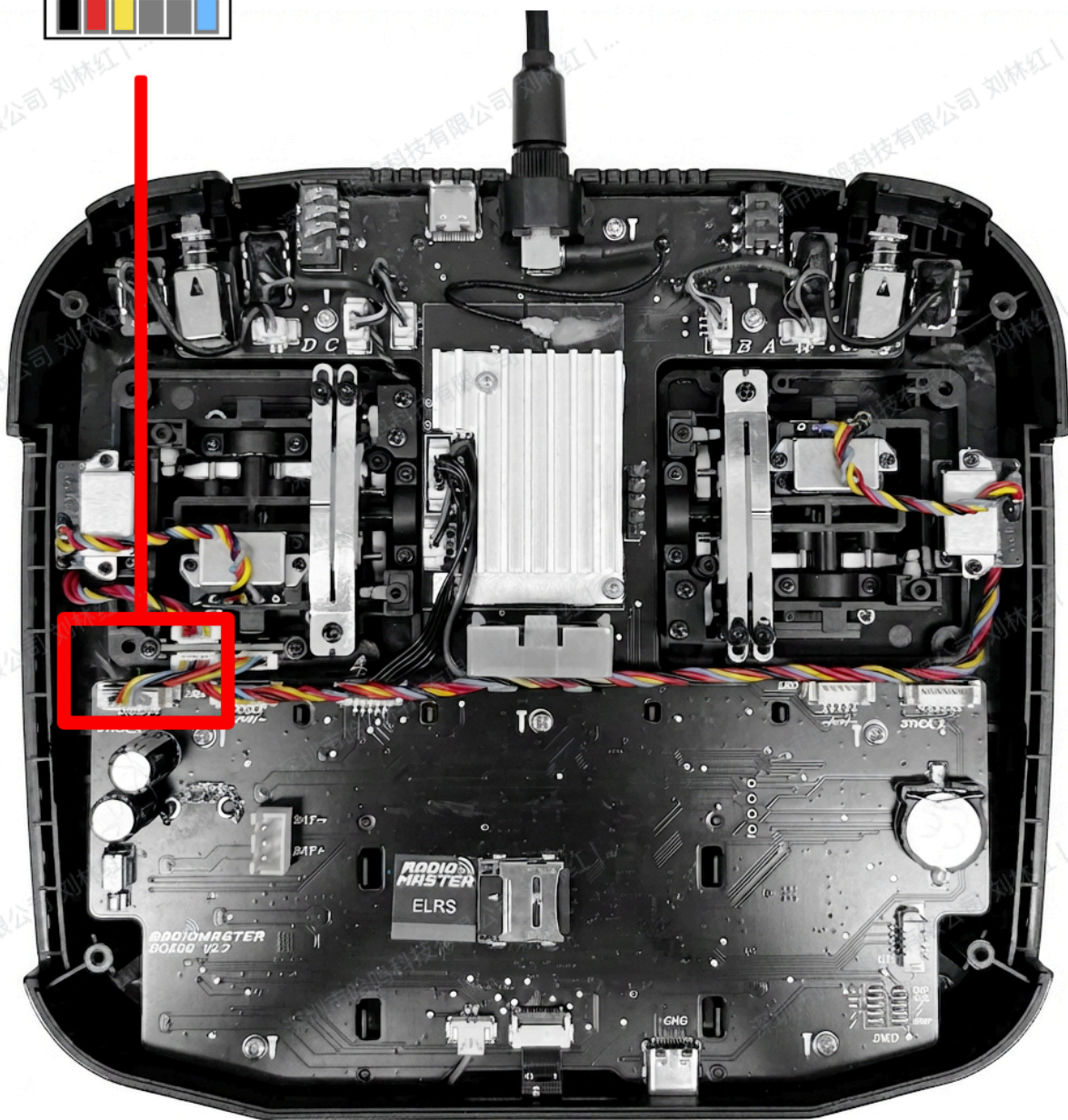




3. Insert the cables in the direction shown below, and please set your gimbals in that direction to install them into your transmitter.



4. Connect the gimbals to the transmitter in the positions and pinout shown below.



5. If the EdgeTX firmware is less than V2.9.0, please power off the transmitter, push both trim buttons inward, and simultaneously hold the power button to turn it on.



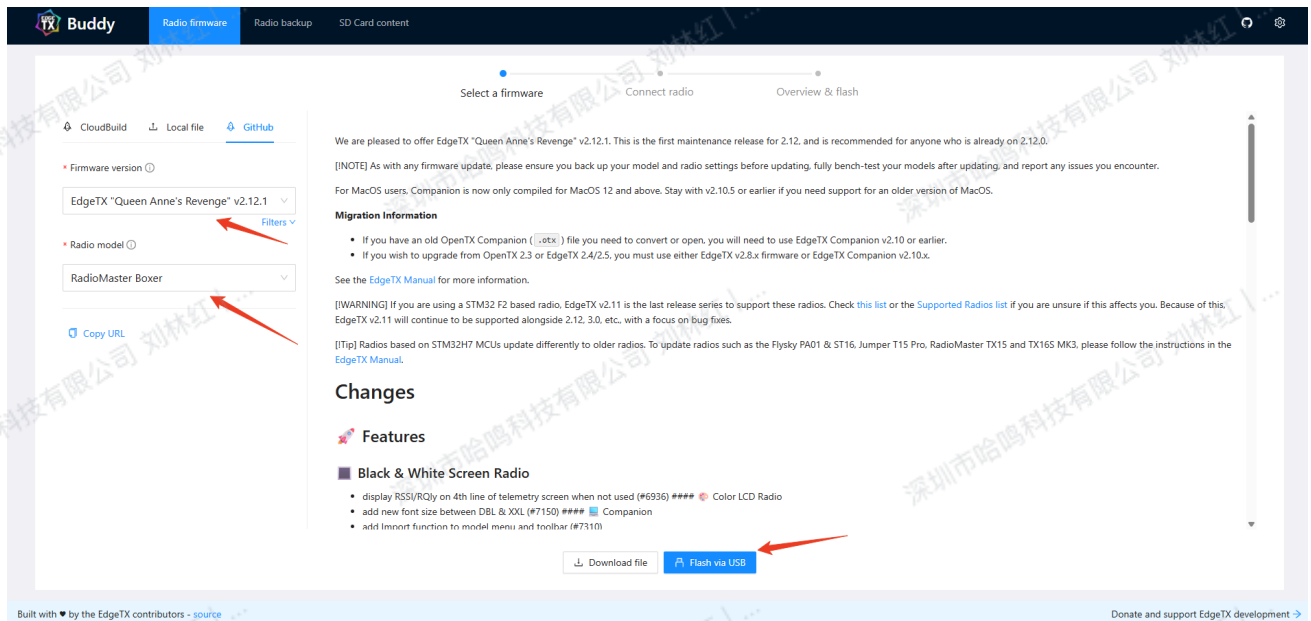
6. Connect the transmitter to a computer with a data cable, using the top USB port.



7. Please re-flash the firmware that is higher than V2.9.0. You can flash the firmware on the website directly or download it to flash on your computer.

If online flashing is unavailable, download the firmware, copy it to your transmitter's "FIRMWARE" folder, and flash it offline.

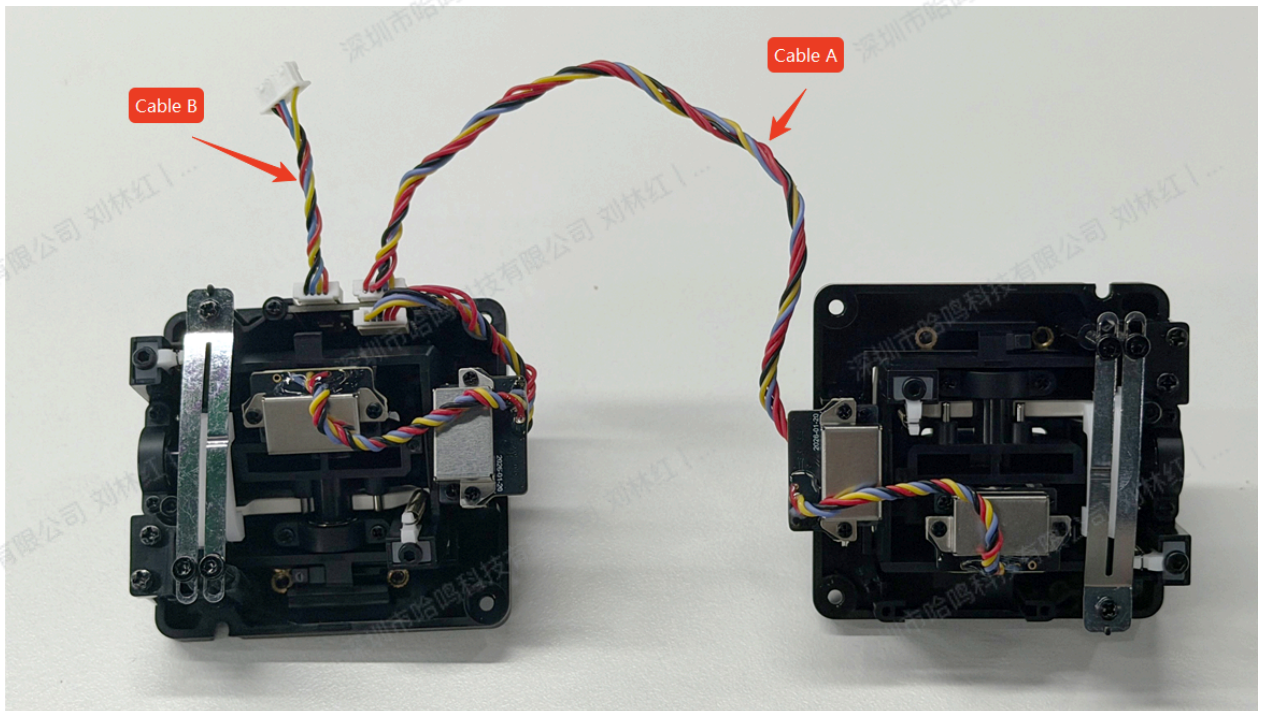
[https://buddy.edgetx.org/#/flash?
version=v2.12.1&source=releases&target=boxer&deviceId=376133823535](https://buddy.edgetx.org/#/flash?version=v2.12.1&source=releases&target=boxer&deviceId=376133823535)



8. Disconnect your transmitter from computer. Select the "Write Firmware" and click the firmware you download, then long-press to active the firmware.

RadioMaster TX16S MK3

1. Replace the Cable A with the included 160mm 5-pin double-ended cable with SH1.0 connectors.

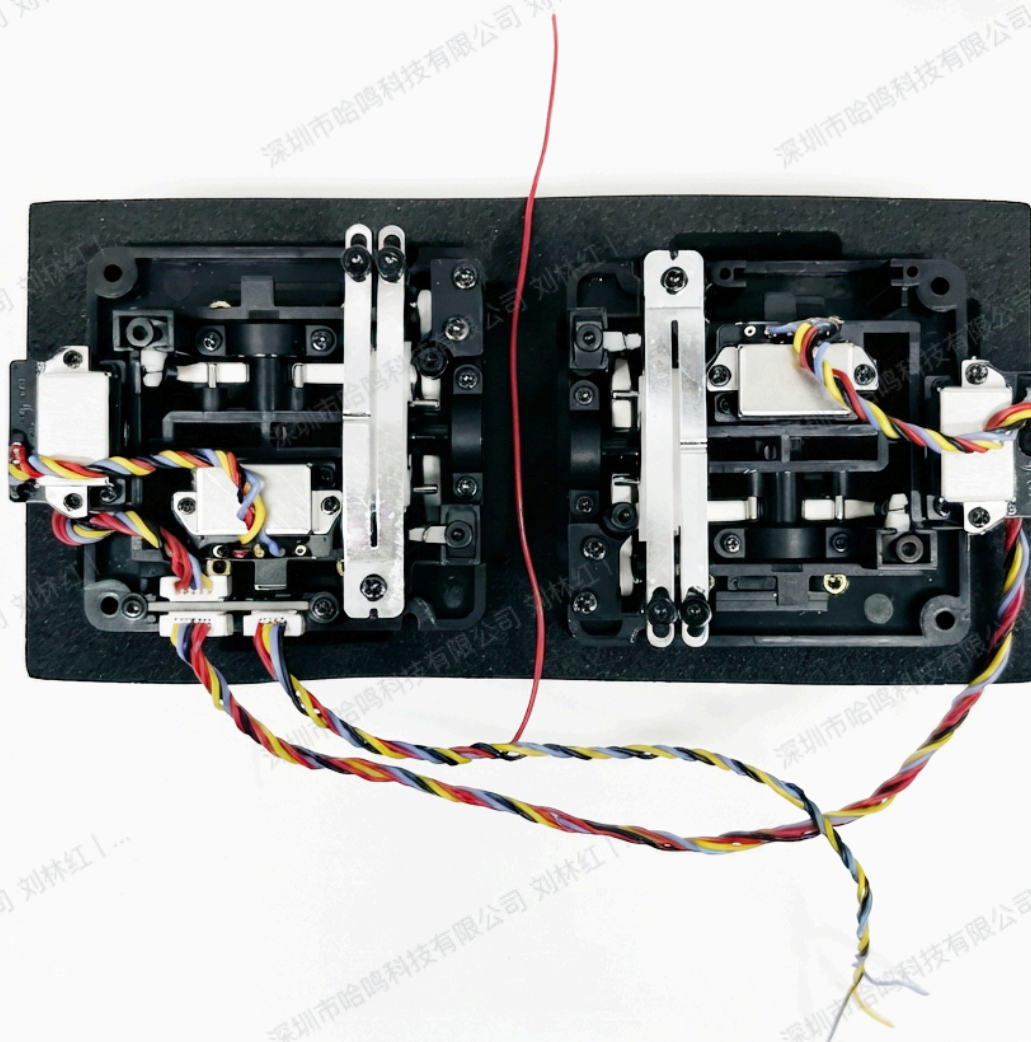




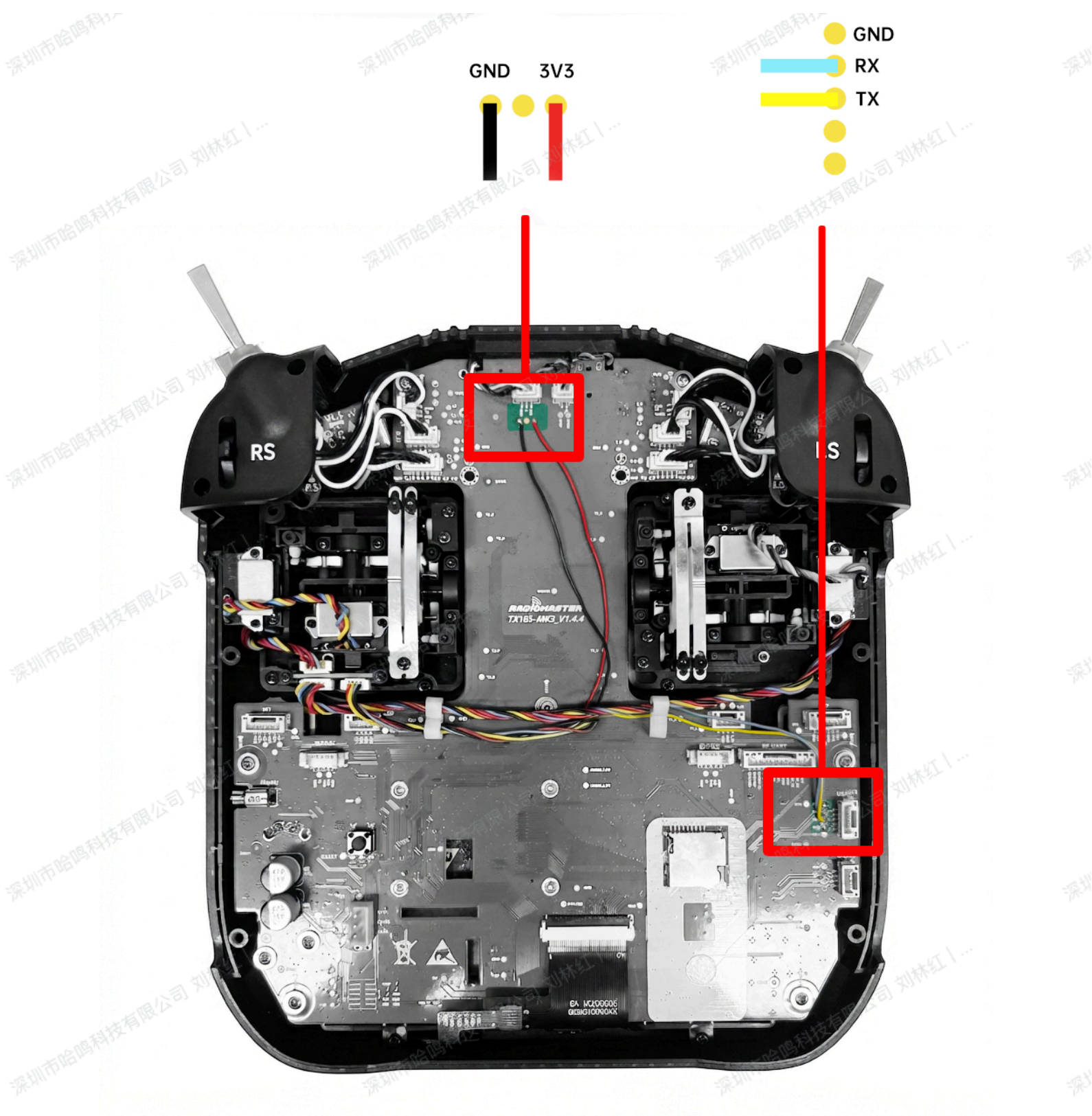
2. Replace the Cable B with the 145mm 4-pin single-ended cable, which has a SH1.0 connector.



3. Insert the cables in the direction shown below, and please set your gimbals in that direction to install them into your transmitter.



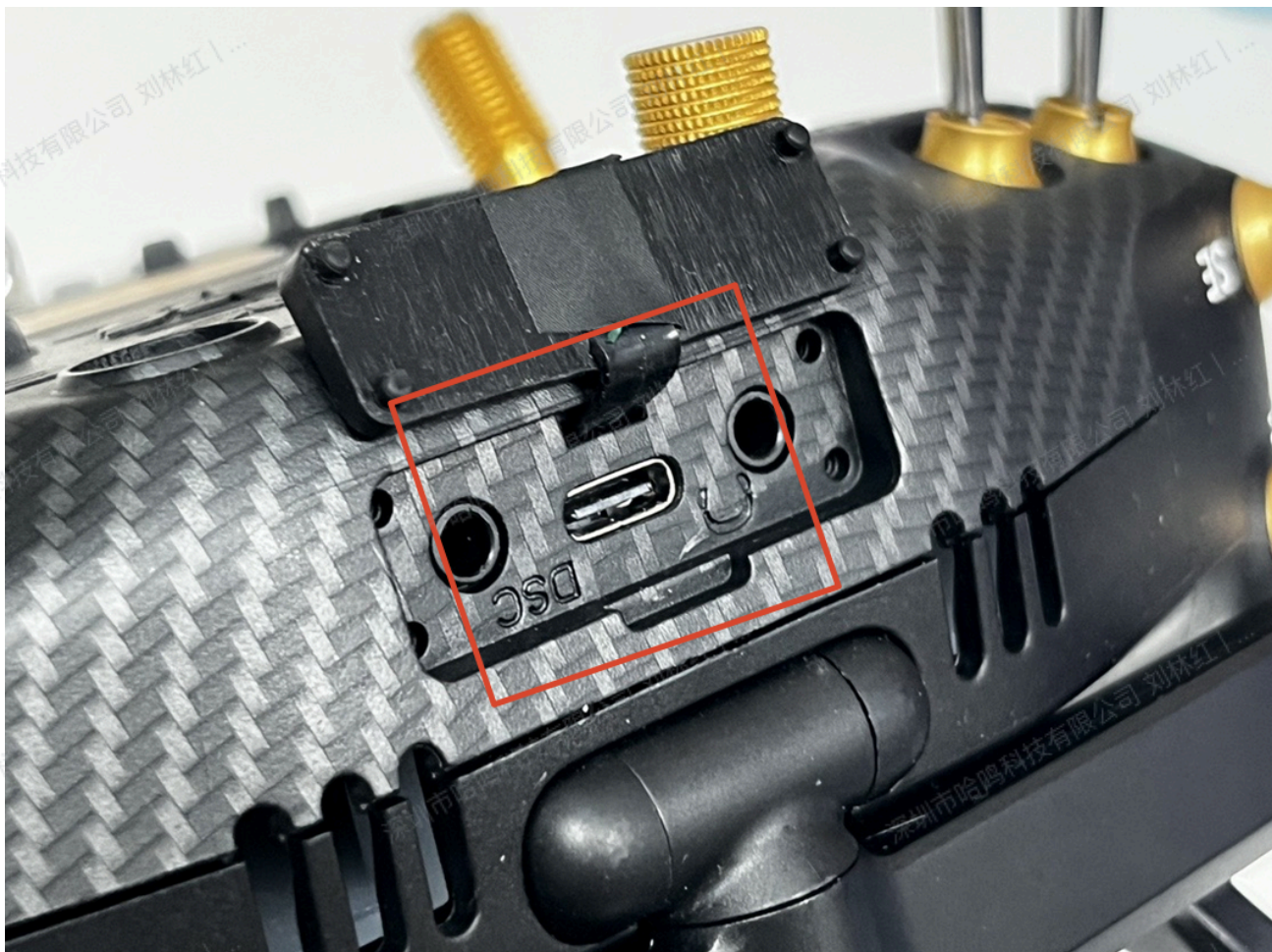
4. Solder the gimbals to the transmitter in the positions and pinout shown below.



5. Power off the radio. Push Switch 3 and Switch 4 inward, and simultaneously hold the power button to turn it on.



6. Connect the radio to a computer with a data cable and select the drive named "EDGE_TX_UF2".



7. Copy the firmware file into "EDGETX_UF2". Once the file transfer is complete, the firmware update will be finished automatically.

Download link:

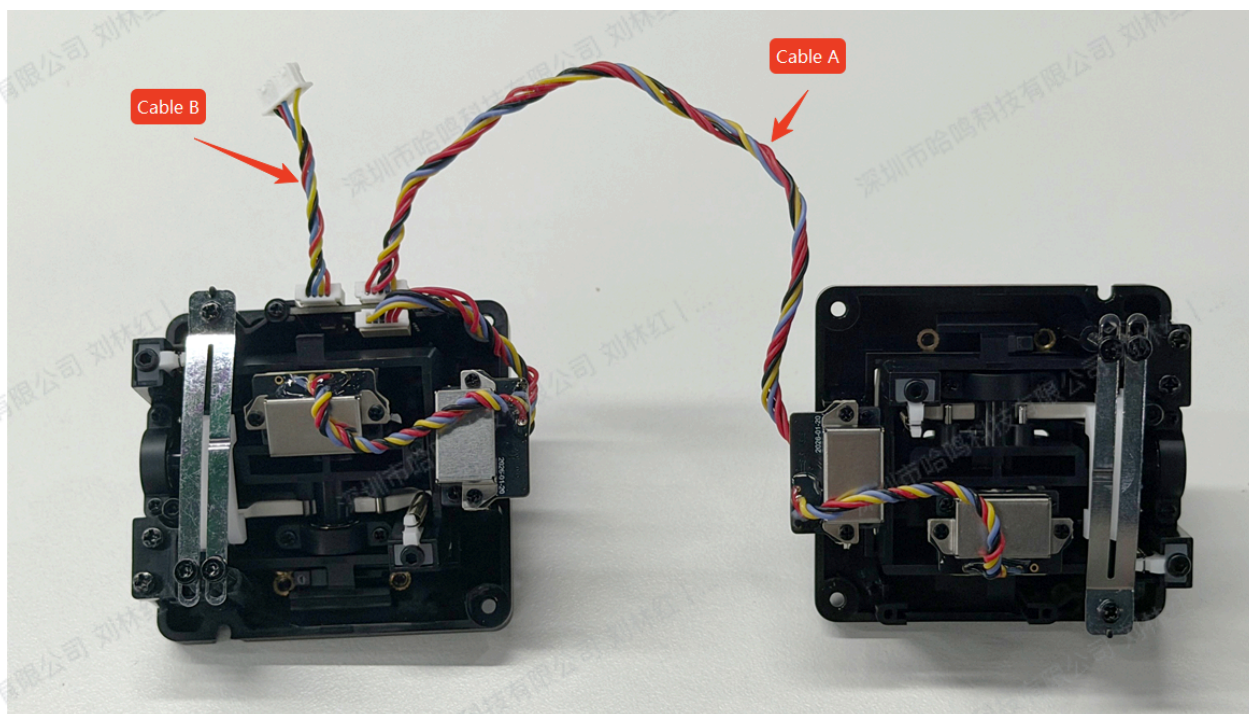
https://betafpvsupport.zendesk.com/knowledge/editor/01M1N3ME74A42HPXGVQM01KCE5/en-us?brand_id=900001891703



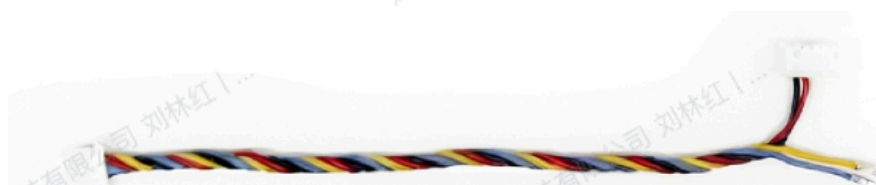
tx16smk3_CN_FLYSKY_GIMBAL_2.12.uf2
4.3MB

HelloRadio V16

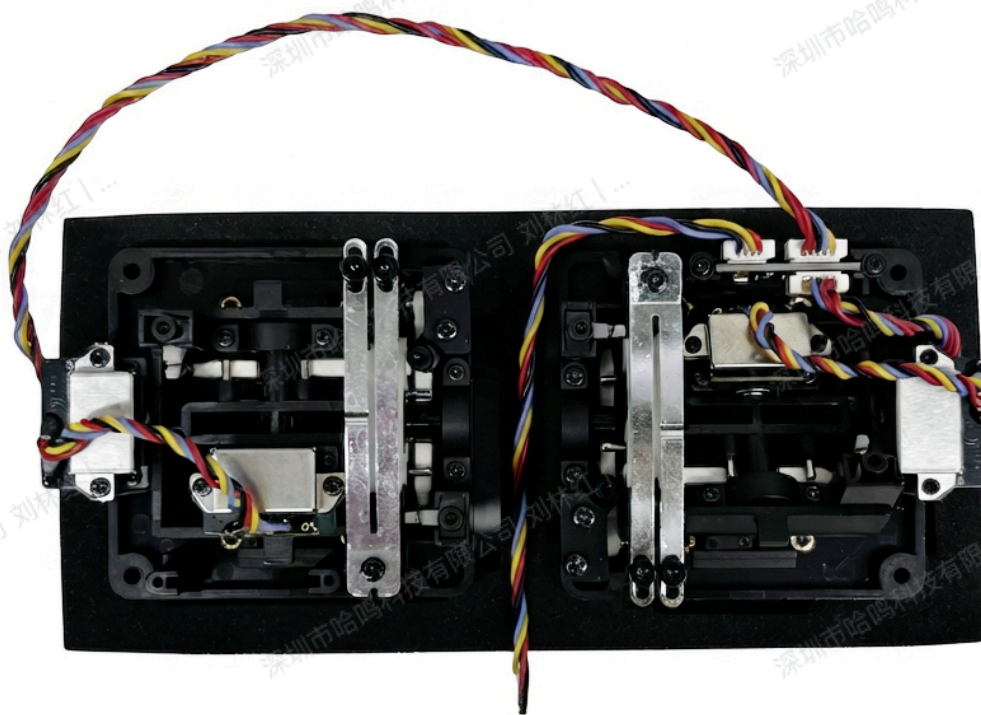
1. Replace the Cable A with the included 160mm 5-pin double-ended cable with SH1.0 connectors.



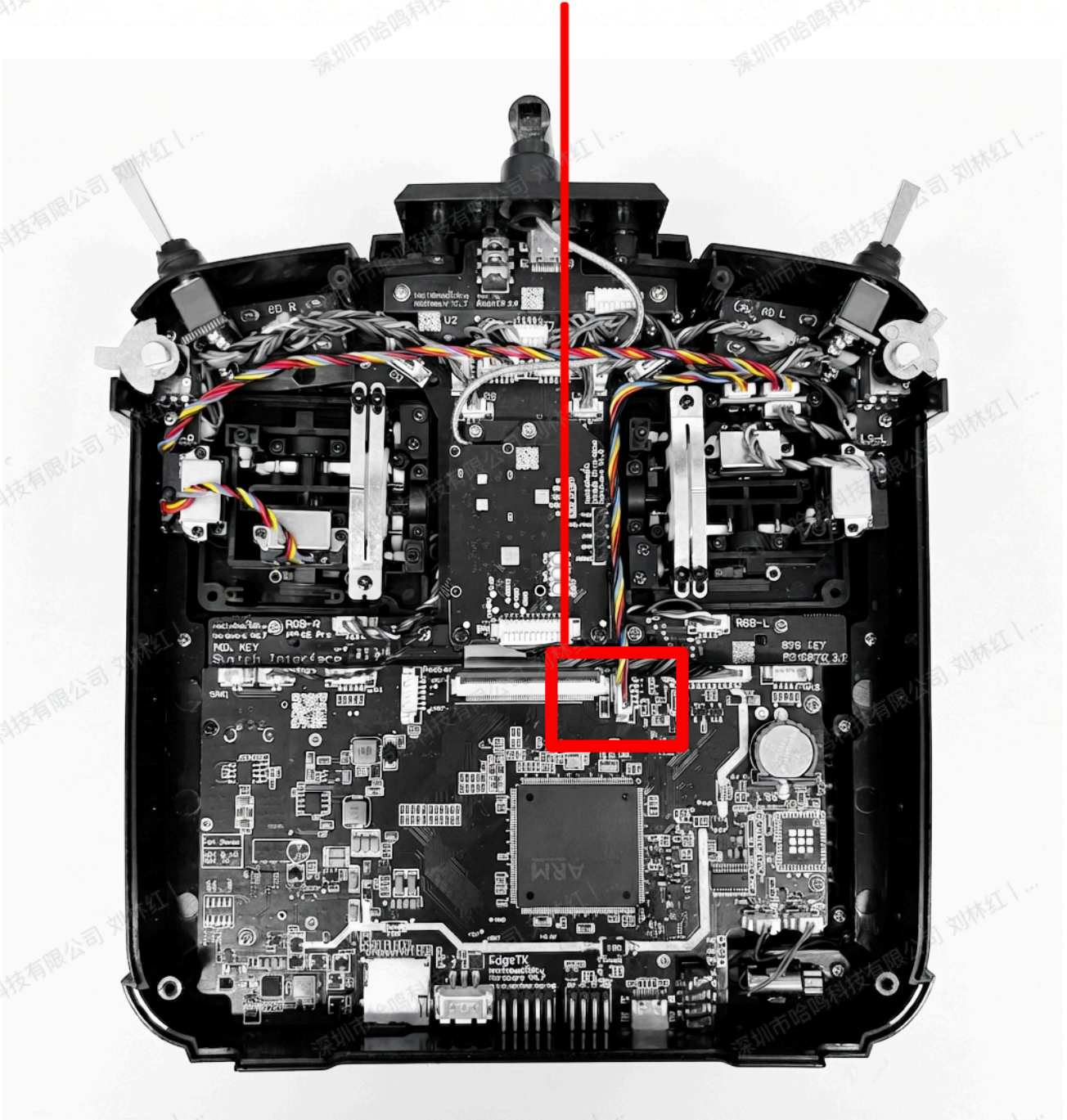
2. Replace the Cable B with the included 95mm 4-pin double-ended adapter cable (SH1.0 4-pin to SH1.25 6-pin). Arrange the wires of SH1.25 6-pin connector according to the pinout shown below.



3. Insert the cables in the direction shown below, and please set your gimbals in that direction to install them into your transmitter.



4. Connect the gimbals to the transmitter in the positions and pinout shown below.



5. Connect the radio to a computer with a data cable and select "USB storage".



6. Copy the firmware to the radio's "FIRMWARE" folder.

Download link:

https://betafpvsupport.zendesk.com/knowledge/editor/01M1N3ME74A42HPXGVQM01KCE5/en-us?brand_id=900001891703



V16-firmware-2.10.1-092301-CN.bin

2.0MB

7. Disconnect the radio from the computer.

8. Power off the radio. Push Switch T4 and Switch T1 inward, and simultaneously hold the power button to turn it on.



9. Select the firmware copied from the computer to complete firmware flashing.