

## SBus Settings and Change Control Method

### 1. How to use USB to TTL cable to connect gimbal series port? ( All tests should be performed when gimbal power on )

- 1) Find a cable of USB to TTL, connect USB port to computer and a port number will be recognized on computer device manager.
- 2) For the TTL end (Red 5V, Black GND, White RXD, Green TXD), RX, TX and GND are required when connecting the gimbal
- 3) Connection method: Wire GND ----- Gimbal GND  
Wire TX ----- TX silk printed on the gimbal controller Z-3D  
Wire RX ----- RX silk printed on the gimbal controller Z-3D

As picture:

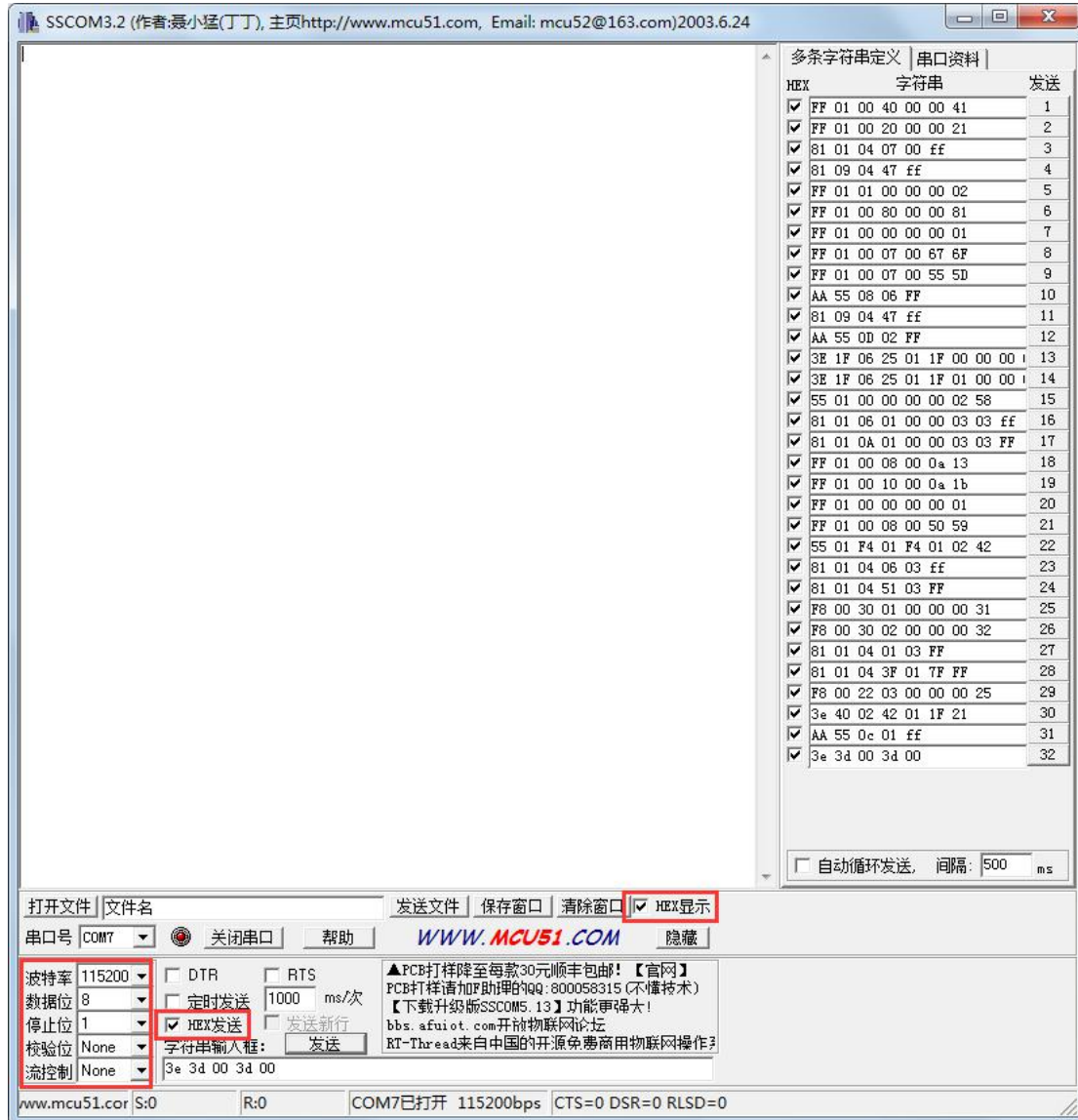


USB to TTL cable

## 2. Software setting and test:

### 1) Software setting:

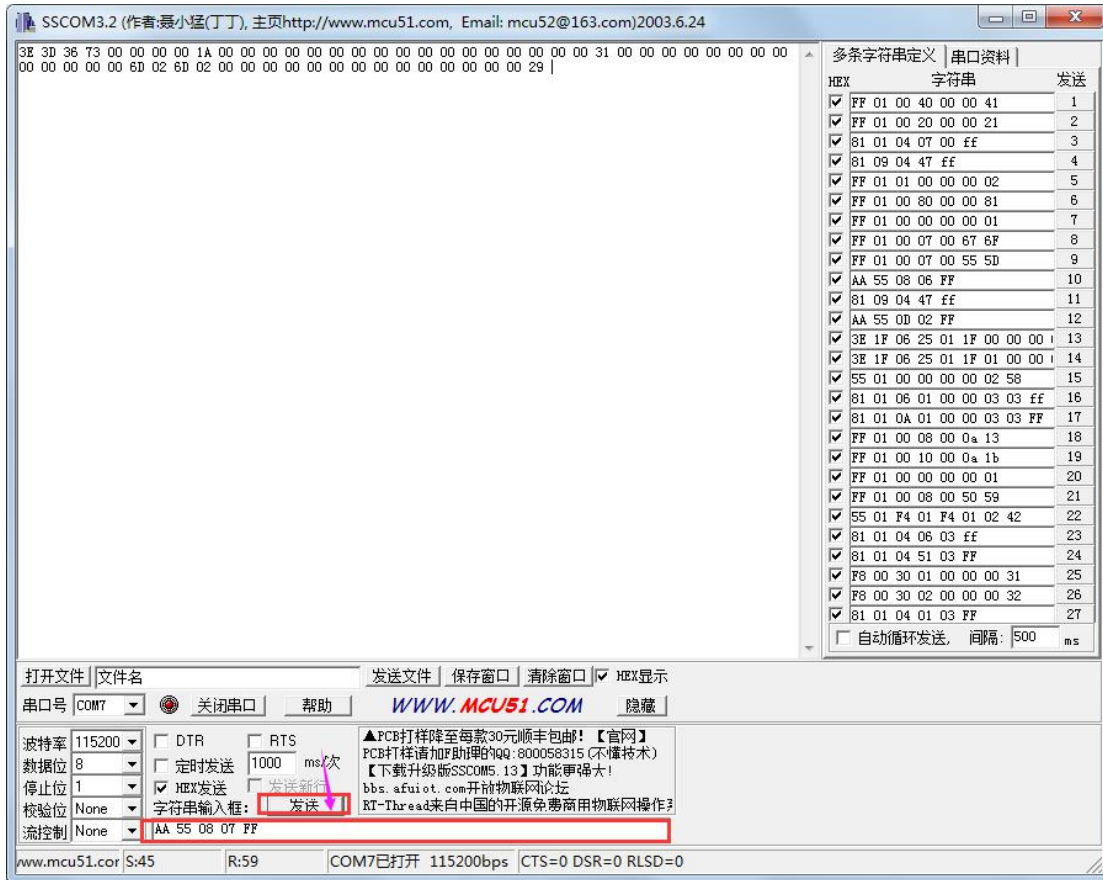
Baud rate: 115200 or 9600. Data bit: 8. Stop bit: 1. Checksum: None. Click: HEX sent and HEX display.





3) Change the baud rate of gimbal

Send: AA 55 08 07 FF, NO software feedback, then restart gimbal



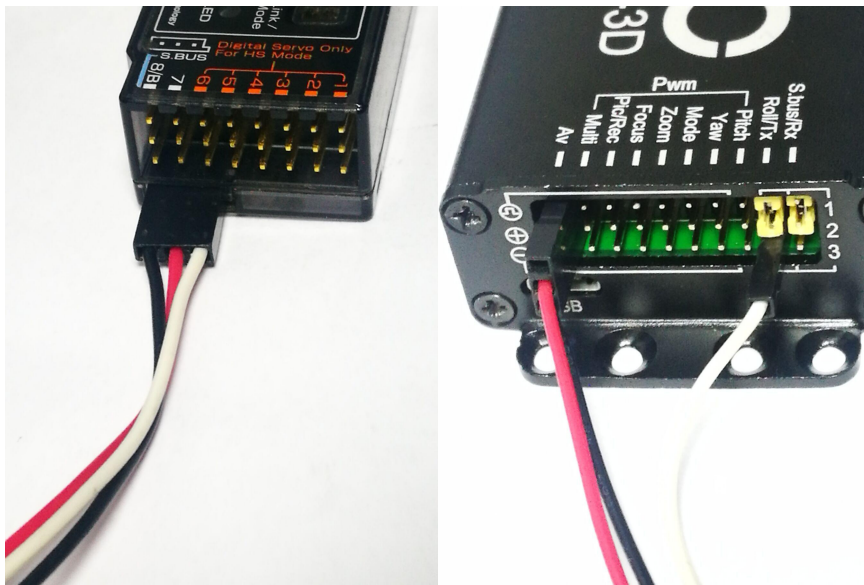
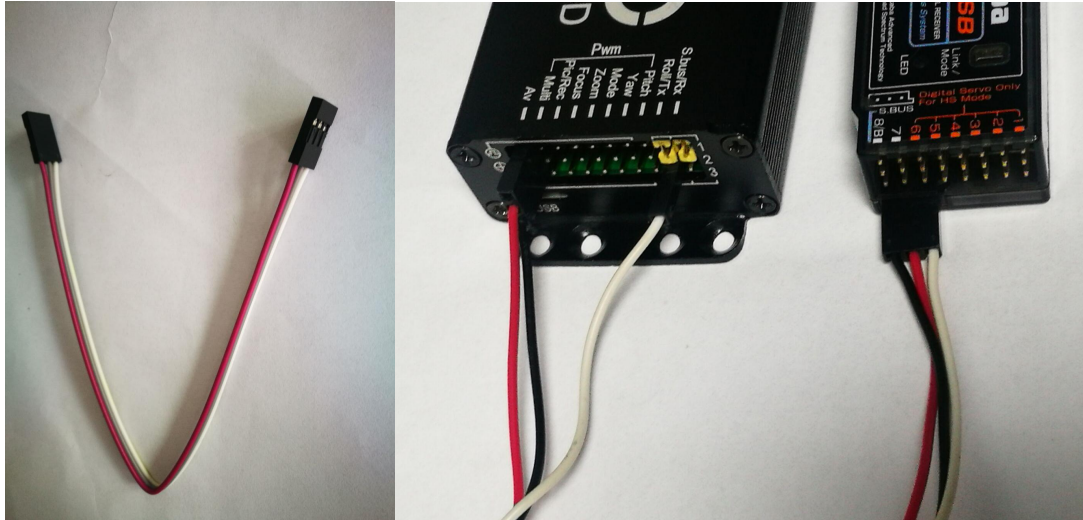
4) Then resend: 3e 3d 00 3d 00, no feedback, means SBus set is finished.

### 3. SBus wiring diagram

Use a 3-PIN DUPONT cable to connect the two part, connect as below

*Notice: The GND of Sbus signal should connect to the GND of PWM control box*

Sbus Default channels and functions
Ch1-----yaw
Ch2-----pitch
Ch3-----mode
Ch4-----zoom
Ch5-----focus
Ch6-----pic/rec
Ch7-----multi



**4. Cancel the SBus control, restore the PWM or Serial port control**

- 1) When gimbal is controlled by Subs, If send gimbal query command: 3e 3d 00 3d 00, no feedback command display.
- 2) Unplug a jump cap as shown (The yellow part in the red box is one jump cap)



3) Input 1115200 as baud rate on the serial port software. Then click send: AA 55 08 06 ff.  
As shown :

