

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

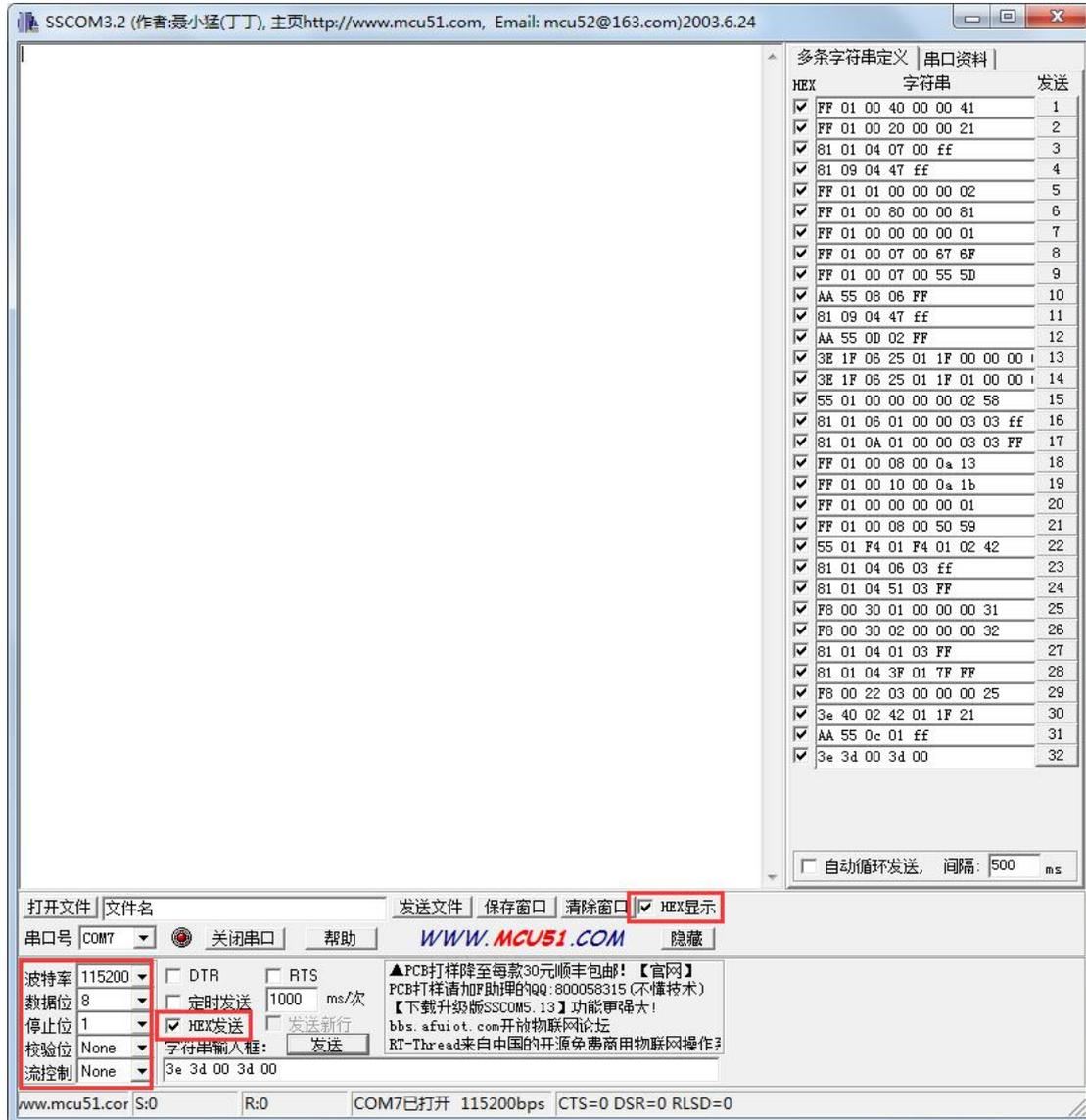
As picture:



2. Software setting and test:

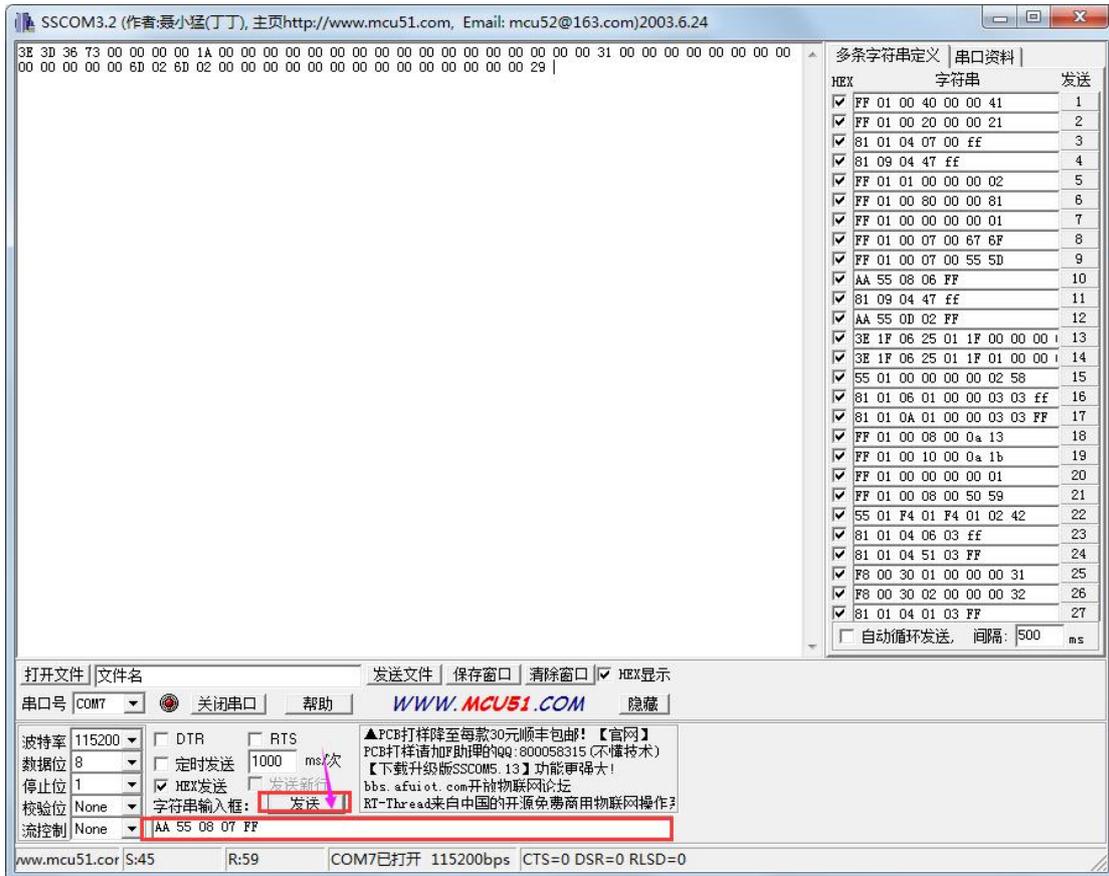
1) Software setting:

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

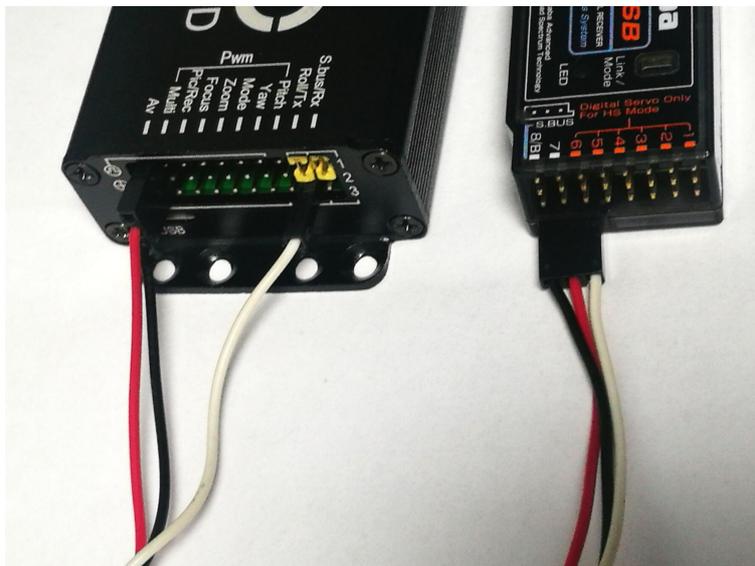
Send: AA 55 08 07 FF, NO software feedback, then restart gimbal



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

3. SBus wiring diagram

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



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 115200 as baud rate on the serial port software. Then click send: AA 55 08 06 ff. As shown :

