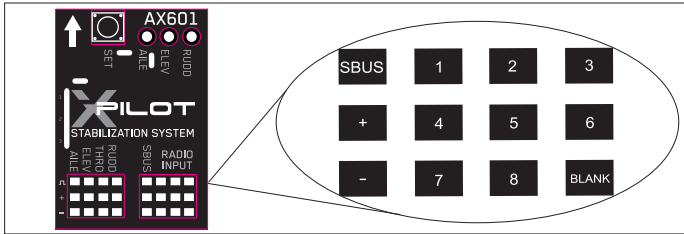


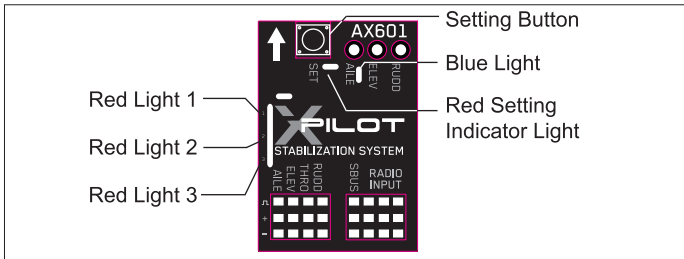
### SETUP INSTRUCTION

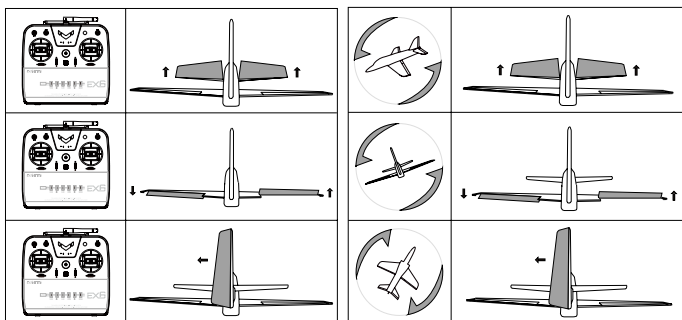


1. Before using APS(Auto Pilot System), you should adjust your vehicle to proper status following below steps:
  - a. Connect servo to receiver(paired by colors).
  - b. Calibrate servo direction and all surfaces to central position while transmitter sticks and servo is in neutral position.
2. Connect cables with APS board Radio Input plugs and receiver refering below instruction(CH as Channel):
 

CH 1 - Throttle	CH 5 - Manual/Auto Mode Switch
CH 2 - Aileron	CH 6 - Reserved
CH 3 - Pitch	CH 7 - Reserved
CH 4 - Yaw	CH 8 - Reserved
CH R - Aile Servo	CH T - ESC
CH P - Pitch Servo	CH Y - Yaw Servo

### STICKS AND SERVOS ENDPOINT CHECKING





Each time before using APS on a vehicle, you must check and make sure its endpoint and reaction are correct on ground. Follow below steps to do the setting:

1. Holding the Setting button and connect battery of receiver. The Red indicator light will react according to action of the Setting button.
2. Blue light beside "AILE" will be on -- Release the Setting button -- Red light 1 on -- Enter sticks endpoint calibration mode -- Gradually move stickers to max position then to min position, to calibrate endpoint.

3. After finished, hold the Setting button for 3 seconds until Red light 1 off and Red light 2 on, to enter servo direction checking and horizontal calibration mode.

4. Observe to ensure the transmitter setting and servo surface reaction are all correct under auto pilot status.

**NOTICE:** You should keep the tail horizontally with fuselage to ensure it can fly in horizontal level in the air.

5. Move two stickers to right down corner position -- Red light 1,2,3 on -- System will save settings after 7 seconds -- Red lights off and Blue light will blink -- means setting saved.

**NOTICE:** Keep your vehicle still when system is saving settings.

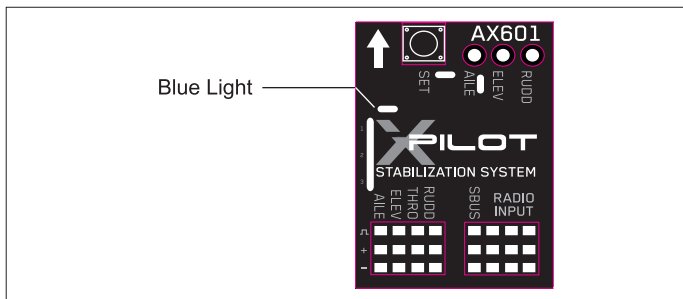
6. Now you can replug the receiver battery to enter normal start mode.

## POWER ON THE SYSTEM

Each time when you power on the system to normal work mode, the system will automatically in lock with a Blue light flashing besides the airplane symbol.

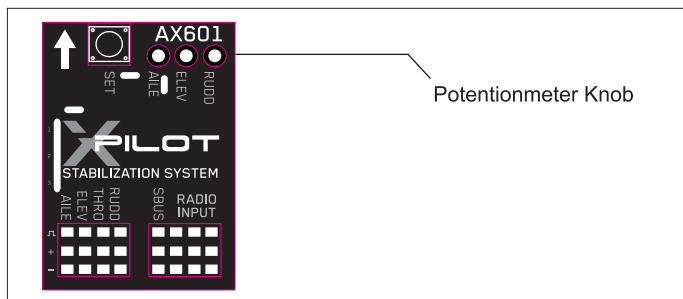
Follow below steps to unlock the system:

1. Keep your vehicle stay still.
2. Keep transmitter stickers at neutral.



3. Keep throttle at lowest position.
4. The Blue light beside at left side will turn to solid, which means system is unlock.

## POTENTIOMETER ADJUSTMENT



Potentionmeter allows you to adjust servo reaction feeling. To adjust the potentionmeter, turn it counter-clockwise to min direction, turn it clockwise to max direction.

## CHECK BEFORE FLIGHT

Place your vehicle in neutral position to check if the gyro is working fine. Then swing you vehicle to check if all servo surfacess react correctly. At last, move stickers(except throttle channel) to see if all servo surfacess react correctly.

## **TAKE OFF**

When APS is under auto control mode, it will keep vehicle horizontal leading not able to lift up. Thus during taking off process, you should keep holding pitch channel up(pitch sticker in lowest position).

## **CHANNEL 5 INSTUCTION**

Channel 5 is to switch APS between mannual and auto mode. It includes 3 levels:

1. Lowest volumn -- auto control -- low servo rate
2. Middle volumn -- auto control -- high servo rate
3. Highest volumn -- manual control -- use your sticks to control servo rate

Which means normally Channel 5 should be defined on a three-way switch.

## **SBUS SETTING**

When both sbus signal and receiver signal input at the same time, system will automatically block receiver signal and only listen to sbus signal.

# **VOLANTEX** RC

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