

## A3S3 Release Notes

---

**Date:** 2022-01-15

**Firmware Version:** V2.7

**Data Version:** V2.0

---

### What's New?

- Change the decision condition of rx signal lost, the gyro will enter rx timeout state only when there are no input signals detected on all three channels of Aileron, Elevator and Rudder.
- Change the effective pulse width range of PWM input capture channels to 500-2500uS, the gyro will ignore the inputs and the servos will hold their last positions if the signals exceed the limits.
- Change the PWM pulse width limit to 800-2220uS for all output channels.

### Notes:

- Download the newest integrated software *A3 Configurator* to complete the update.
- This update will not change the current configuration of the gyro, however, it is recommended that you confirm the settings after update.
- The *Program Card FW V4.0* or *Program Card X FW V1.0* can continue to be used without any update.
- The *A3 Super 3 User Manual V2.0* also applies to F/W V2.7.

## A3S3 Release Notes

---

**Date:** 2021-08-06  
**Firmware Version:** V2.6  
**Data Version:** V2.0

---

### What's New?

Fixed some known issues in V2.5.

### Notes:

- Download the newest integrated software *A3 Configurator* to complete the update.
- This update will not change the current configuration of the gyro, however, it is recommended that you confirm the settings after update.
- The *Program Card FW V4.0* or *Program Card X FW V1.0* can continue to be used without any update.
- The *A3 Super 3 User Manual V2.0* also applies to FW V2.6.

## A3S3 Release Notes

---

**Date:** 2021-04-10  
**Firmware Version:** V2.5  
**Data Version:** V2.0

---

### What's New?

- Algorithm improved to fix the bug of unexpected diving problem when flying in Auto-level or Trainer Mode under some circumstance. For best performance, a more accurate gyro calibration is required in the new version. Keep the airplane stationary after power on and wait for the initialization to complete. The LED will stay solid blue if a slight movement is detected and the calibration will not start until you stop moving the airplane, however, making the airplane level is not required during the initialization.
- Fail safe function added for channel [A2] and [E2]. When [A2] or [E2] is used as a pass-through channel, the servo will always move to its initial position of calibrated at power on when receiver signals can no longer be received, however, for safety, always set the fail safe functions on your radio.
- Fixed some other known issues.

### Notes:

- Download the newest integrated software *A3 Configurator* to complete the update.
- This update will not change the current configuration of the gyro, however, it is recommended that you confirm the settings after update.
- The *Program Card FW V4.0* or *Program Card X FW V1.0* can continue to be used without any update.
- The *A3 Super 3 User Manual V2.0* also applies to F/W V2.5.

## A3S3 Release Notes

---

**Date:** 2019-06-23

**Firmware Version:** V2.2

**Data Version:** V2.0

---

### What's New?

- Fixed some other known issues.

### Notes:

- Use the *Firmware Update Utility* to complete the update.
- This update will not change the current configuration of the gyro, however, it is recommended that you confirm the settings after update.
- The *Program Card FW V4.0* and *A3S3 Config Utility V2.0* can continue to be used without any update.
- The *A3 Super 3 User Manual V2.0* also applies to F/W V2.2.

## A3S3 Release Notes

---

**Date:** 2019-03-03

**Firmware Version:** V2.1

**Data Version:** V2.0

---

### What's New?

- Software digital filter improved to get a better vibration resistance of the gyro.
- Attitude algorithm further optimized to obtain more reliable results of the attitude of the plane in various flight conditions. It is recommended to apply this update if you are using the Auto-Level mode or Trainer mode.

### Notes:

- Use the *Firmware Update Utility* to complete the update.
- This update will not change the current configuration of the gyro, however, it is recommended that you confirm the settings after update.
- The *Program Card FW V4.0* and *A3S3 Config Utility V2.0* can continue to be used without any update.
- The *A3 Super 3 User Manual V2.0* also applies to F/W V2.1.

## A3S3 Release Notes

---

**Date:** 2018-06-15  
**Firmware Version:** V2.0  
**Data Version:** V2.0

---

### What's New?

- Stick Reverse, Rate and Expo removed.
- Control algorithms improved and default gain level enhanced to get much more precise reaction and larger correction of the gyro.
- Fixed the bug of recovery from inverted flight to level when operating in auto level mode.
- Rotation Rate based control mode added to achieve a constant and precise rolling of the plane.
- User defined mode added to allow you to specify different flight mode on each axis separately.
- Response gain renamed to *Gain Drop Curve* and provides 5 levels of drop curve type for different control behavior.
- Wi-Fi module support added to allow you set up the gyro using a smart phone in the future.

### Notes:

- Use the *Firmware Update Utility* to complete the update.
- This update will not change the current configuration of the gyro, however, it is recommended that you confirm the settings after update.
- The new version has enlarged the default gain level, you might need to turn it back a little after update.
- To support F/W V2.0, the programming card must be upgraded to F/W V4.0 at the same time.
- To use F/W V2.0, please download and install the newest *A3S3 Config Utility V2.0*.
- Please read the *A3 Super 3 User Manual V2.0* carefully before use.