11-2017

***H501SS Firmware Updates***

***H501SS firmware files***

FC-1.1.41 (firmware for flight control board)

RX-2.1.29 (firmware for H501SS receiving board only)

***Controllers firmware files***

TX-4.2.28 (standard controller H901A)

TX-1.1.16 (advanced controller H906A)

***CHANGE LOG:***

**H501A-FC-V1.1.41**

**H501SS-RX-2.1.29**

1. Add the feature to set the orbiting point when the orbit mode feature is engaged. In normal orbit mode the drones point of focus is on transmitter by long pressing the “video” button on the standard transmitter or “down arrow” button on the advanced transmitter. With this new feature, you can change the orbiting location and diameter.

To do this first hover the drone in desired location (new focus point), long press the “up” button on the advanced transmitter or “photo” button on the standard transmitter. The distance value displayed on the transmitter will change from green to red, the distance value will reset to “0”. The drones position is now the orbiting focus point. Use the elevator stick “up or down only” to set the orbit diameter. Don’t move the elevator stick left and right or it will exit the orbiting mode feature. After distance is set, long press the "down" button on the advanced transmitter or “video” button on standard transmitter to engage your custom orbit location and diameter. While in this orbit mode you can adjust wider or smaller diameters and change your altitude during flight.

When you finish and exit orbit mode the distance value will reset to the correct distance value between controller and drone.

2. Add the feature when the drone is not on a flat surface, tilted 20 degrees or above, the motors will not start.

3. Improved the follow me issues "exiting immediately when you engage it”

4. Stability

**H906A-TX-V1.1.16 Advanced**

**H901A-TX-V4.2.28 Standard**

1. Added the function/ability to work with the new feature giving you the ability to adjust/change your orbit point.

***Important Note!***

Reports of the issue where the distance value jumps from correct value to a high value for a split second have not been fixed yet in this firmware update. Mostly it seems to still exsist in the H501SS with Standard controller. We are aware of this problem and working on fixing it in the next firmware update. It does not effect any performance, feature or operation of the drone that will cause you any problem. It is just a glitch that is also present in the previous version and is perfectly safe to use. Thank you for your patients!

***H501SS firmware installation changes***

If your H501SS came stock with firmware version V2.1.16 and FC-1.1.29 then try using FC Tool V3 to upgrade.

If your H501SS came stock with firmware version V2.1.16 and FC-1.1.31 or later firmware versions then try using FC H501A Tool to upgrade.

When installing your new firmware please check carefully that you are using the right firmware for FC, RX and TX. Check the versions of firmware carefully to make sure you are installing S firmware to the H501S and SS firmware to the H501SS.

Check and double check the firmware file name and type on the tools interface before clicking install!

If you get an error message during upgrade using the FC H501A upgrade tool simply clear the error message and click upgrade again. Also**:** Click “Read Version” in the install tool to confirm the upgrade of the FC and RX firmware was successfully installed and done correctly.

After every firmware upgrade: Be sure to do the following.

1. Bind

2. Stick Calibration

3. Horizontal Calibration

4. Rotational Calibration

***Notes:***

Important!!! Do not try to mix the RX firmware between the S and SS! The receiving board for the H501SS and H501S are two completely different receiving boards. The RX firmware will not function if they are mixed. Use the correct firmware stated above for your model.

Make sure you read and understand the installation information in the H501SS firmware installation changes section above about the two different firmware install tools. The FC version 3 tool is the one you use for the S and for the SS if it came with the versions specified above. The new FC H501A tool is for the SS only and is used for the SS if it came with the versions specified above.

***Web Links for Downloading new firmware:***

<https://www.dropbox.com/s/05evabrij645sj2/H501SS-Firmware-Update-09-2017%20%281%29.zip?dl=0>

***Upgrading tutorial videos:***

https://www.youtube.com/watch?v=hk9Cgg-qP0M&t=7s