01-2018

***H501A Firmware Updates***

***H501A firmware files***

FC-1.1.41 (firmware for flight control board)

RX-1.1.43 (firmware for 501A receiver board only)

TX-1.1.16 H906A (Advanced Transmitter)

TX-4.2.33 H901A (Standard Transmitter)

***CHANGE LOG:***

**H501A-FC-V1.1.41**

**H501A-RX-V1.1.43**

1. Add the feature for TX only 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.

1. Add the feature to allow you to adjust the diameter and altitude while the orbit mode feature is engaged using the app by moving the elevator stick up or down and the throttle stick up and down.

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

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

5. Stability

6. Improved connection problem when connected to the App and transmitter at the same time.

7. Improved the distance value display issues where the value would jump when connected to the transmitter.

8. Improved 2.4 GHz range when connected to the transmitter.

9. Improved Camera quality if installed with camera firmware version H501A\_IT\_V1.1.10

10. Improved functionality when connected to Hubsan watch model HT006.

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

**H901A-TX-V4.2.33 Standard**

1. Added the function/ability to work with the new feature giving you the ability to adjust/change your orbit point.
2. Improved the distance value display issues.

***H501A firmware installation***

Use FC H501A Tool to upgrade.

When installing your new firmware please check carefully that you are using the right firmware for your H501A.

For the H501A the new firmware FC and RX both look similar. Example: 1.1.XX

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 FC tool after you installs the FC and RX to confirm the upgrade 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 or try to install the RX firmware from the the S and SS to the H501A! The RX firmware will not function if they are mixed. Us the correct firmware stated above for the H501A.

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

<https://www.dropbox.com/s/b0d7b1hqse44y7r/H501A%20Firmware%20Update%2001-2018.zip?dl=0>

***Upgrading tutorial videos:***

**H501A** <https://www.youtube.com/watch?v=DqQ4HSYlH0U&t=205s>