

1. Use this software to perform firmware upgrade and setting up flight parameters in the Rabbit FC board.

## 2. Software Installation and Operations

a. Extract all the zip files. Depending on your system, run Setup(32bit) or Setup(64bit).exe and disable any firewall protection.

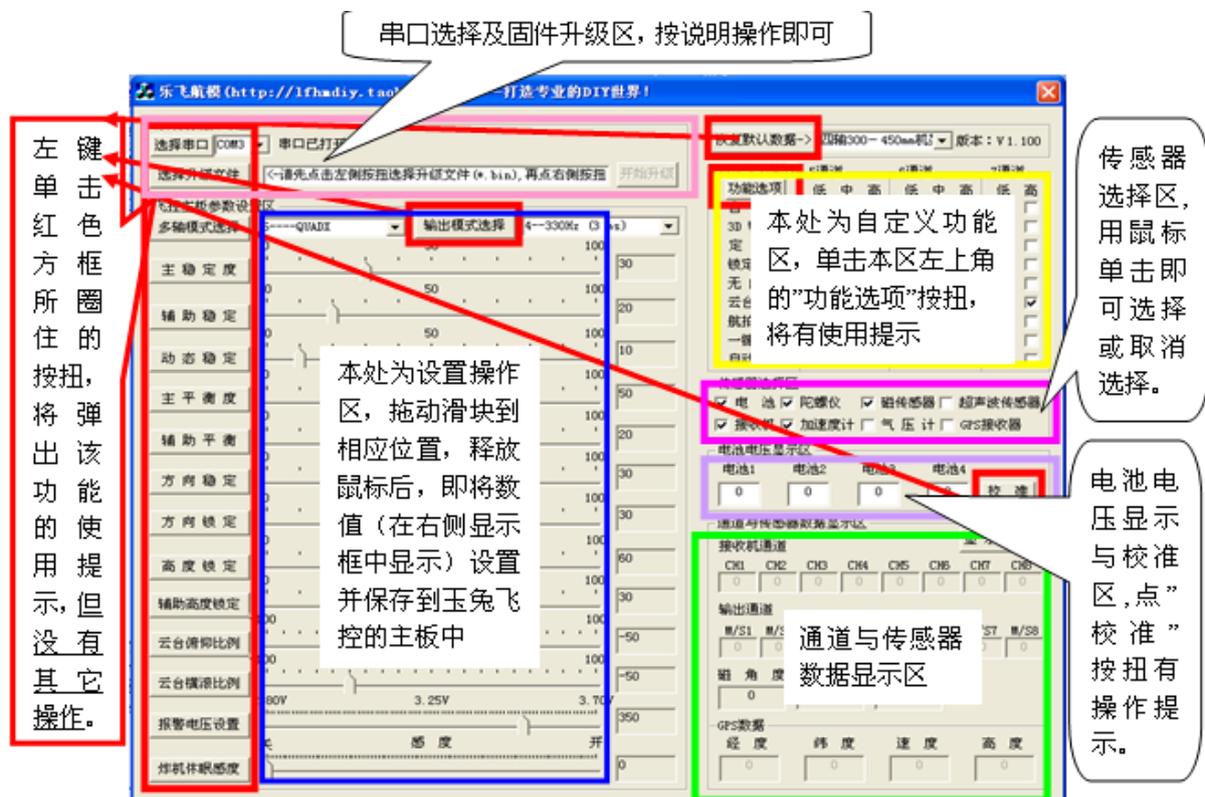
b. Make sure both lfhm120110English.exe and mscomm32.ocx are located in the same folder.  
Run lfhm120110English.exe

## 3. GUI

a. On most control button, single click will bring up an help dialog box

b. You can refresh the parameter data by performing a COM Port selection.

c. Every time you perform a change in parameter setting, the parameter will be written into the FC board at once.



#### \* COM Port

The default COM port is "Com3". Should an "Invalid Com Port" dialog box pop out, simply press "Confirm" to bypass the warning. After the program has started up, try to select other Com ports until you find the one that is able to load data from the FC board. That com port will be registered into the software and will be used in the next starting up.

#### \* Firmware upgrade

Click "select update file" button and select the appropriate upgrade ".bin" file. Press "Upgrade" to start the firmware upgrade. (DO NOT interrupt the upgrade process once it has been started, otherwise it will damage both the original and the new firmware making the FC board impaired.)

#### \* Flight control board parameters setting

According to your requirement, set your desired parameter value by dragging on the corresponding slide bar. The target value will be shown up in value box on the right hand side. The value will be written to the FC board at once.

The value shown in the "Alarm Voltage" are factored by 100. That is 3.5V will be displayed as 350.

Setting up the flight parameters is a tedious and technical process. Failure to set up properly will severely affect the flight performance and should be done carefully to meet your flight requirements.

#### 4. Custom options

You can map any FC function to the specific channels in your Transmitter. Just check the appropriate L,M,H box against the function you want. You can also check more than one box for a particular function so that it will be engaged whenever the appropriate position is set in your Transmitter.

If you don't check any box for a particular function then the function will never be engaged and not be used.

#### 5. Sensor Selection

You have to check all the sensors that you want to use during the flight otherwise that sensor in the FC board will not be activated.

#### 6. Battery voltage display and calibration

### Battery voltage display

Make sure to connect the battery to the FC board before starting up the program in order to read in the voltage value. Or you can perform a data refresh by selecting the Com port once.

### Battery voltage calibration

Should you want to re-calibrate the displayed voltage, key in your value as read in your voltmeter in the value box (in 100 factor) and press the Calibrate button.

## 7. Channel / Sensor Data Area

Pressing the Display Data button will read in the real time data value from the receiver channels and various sensors from the FC board. All other functions in the program will be disabled for the moment so as not to mess up the data read in process. You can press the button again to stop the data read-in and return to normal operations.

## 8. Restore factory default parameter values

You can restore the FC board to the factory default by performing a "Multi Axis Mode" selection and all the value will be restored to factory default.

The PCtools software will be upgraded along with future Rabbit FC board firmware. Further functions will be added to incorporate the "Battery Companion" product from the same factory. It is our mission to provide more DIY features in our products and we are eager to listen to your valuable comments/suggestion in order to improve and providing better products in the future.