EACHINE

E010S PRO

1、产品明细

涵道空机架（含避震垫圈）	1PCS
机架	1PCS
F3-FLYSKY（集成飞控）	1PCS
5.8G Cmos 800Tvl 40CH 25MW 镜头图传	1PCS
6*15 电机	4PCS
桨叶 4片装	2PCS
3.7V 240mAh 45C 锂电池	1PCS
USB直充电头	1PCS
拆桨器	1PCS
电源插头	1PCS
包装彩盒（含说明书）	1PCS

2、飞控说明

一：可通用遥控器

1、可选择加装FS二代协议高频头。

2、可通用所有FS二代协议遥控器。

二：飞控设置

打开飞控地面站Betaflight（地面站必须选择10.0.0最新版本），连接飞控→选择Configuration→RX模式设置为SPI RX→接收机设置为 SPI RX support，A7105_FLYSKY。(此项出厂已设置好如果对不上频可检查此项)

V2版本飞控集成了Betaflight原生OSD和气压计，可以在Betaflight地面站进行设置。气压计打开方式：Configuration→Barometer；Modes→BARO可以进行气压计定高设置；同时可以在SENSORE页面打开Barometer，查看气压计传感器曲线；OSD打开方式：Configuration→OSD；

三、接收机对频

一定要把遥控器的AFHDS2A模式设置成ON。设置AFHDS2A方法 ，在遥控器菜单中的SYSTEM->RX Setup->AFHDS->OK->AFHDS 2A ->ON->OK即可设置成功。

1、遥控器按住bind按钮开机，遥控进入绑定模式

2、按住飞控bind按钮，给飞控通电（未绑定时蓝色LED灯常亮），此时遥控器界面显示RX BIND OK，然后遥控自动进入主界面，飞控蓝色LED灯开始闪烁，绑定成功。

重要提示：由于本飞控还未上传到Betaflight官方github上面，因此目前只能由以下网址下载更新本飞控固件，固件版本请从 http://www.mediafire.com/folder/hm8r8p4nc8d0b/LEMON_F3 下载，我们保证固件随时跟betaflight同步更新。

四：解锁飞行

1、在完成FLYSKY的遥控器对频、并在betaflight调参界面中校准遥控器的通道、正反向、舵量行程、指定飞行模式后既可以试飞了。

注：请将接收机天线和图传天线垂直摆放，将最大化的增加控制和图像距离。

2、油门解锁：油门摇杆最低，方向摇杆最右，飞控板上绿色LED常亮即可解除锁定，此时推油门即可起飞。

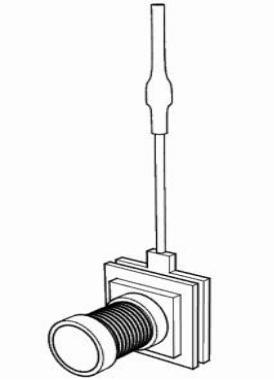
3、油门锁定：油门摇杆最低，方向摇杆最左，飞控板上绿色LED熄灭或者闪烁，此时油门在锁定状态。

4、F3 飞控 支持Betaflight平台，可通过Micro-USB进行固件升级和调参，调参界面有Betaflight-Configuration

注：也可以通过Betafight调参软件中设定其它空闲通道，利用遥控器的开关进行锁定和解锁。

3、FPV CAMERA

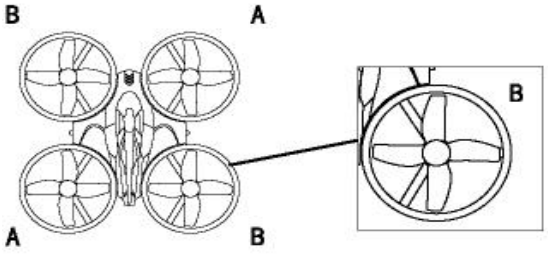
5.8G 40CH AIO FPV CAMERA

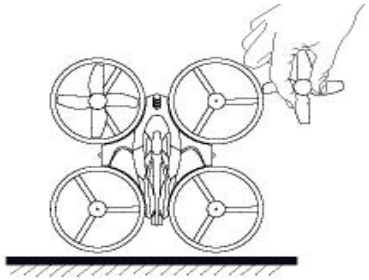


相机和图传发射器一体机
FOV150°，3.8g，40ch
按键功能：
短时间按键（1秒或少于一秒）：更改通道 1-8
长时间按键（大于1.5秒）：改变波段 A-B-E-F-R
更长时间按键（大于3秒钟）：改变系统制式 NTSC/PAL
NTSC或者PAL（可选；蓝色指示灯开=NTSC；蓝色指示灯关=PAL）

频率列表 (MHZ)	Band A : 5865,5845,5825,5805,5785,5765,5745,5725
	Band B : 5733,5752,5771,5790,5809,5828,5847,5866
	Band E : 5705,5685,5665,5645,5885,5905,5925,5945
	Band F : 5740,5760,5780,5800,5820,5840,5860,5880
	Band R : 5658,5695,5732,5769,5806,5843,5880,5917

4、注意事项





1、飞行器的风叶安装有位置要求，风叶码必须与机架码相同，A与B相对应，否则无法起飞，编码如图示。

2、安装风叶：捏住风叶的小帽子，对准马达轴按下去，注意不能变形。

Five: Unlock The Aircraft

EACHINE

E010S PRO

1、parts list

serves frame (containing shock absorber rings)	1PCS
enclosure	1PCS
F3-FLYSKY (Integrated Flight Control)	1PCS
5.8G Cmos 800Tvl 40CH 25MW FPV Camera	1PCS
6*15 motor	4PCS
propeller 4pieces	2PCS
3.7V 240mAh 45C lithium battery	1PCS
USB direct charging head	1PCS
Spanners	1PCS
Attaching plug	1PCS
Color box packing (specifications)	1PCS

2、 Flight Control

One. Universal Remote Controller

1、Must table to the FS-2nd generation protocol transmitter module.

Open the ground station Betaflight (Ensure the ground station has been updated to the latest version 10.0.0), go to Flight Control-Configuration, set up the RX mode to SPI RX, and set up the receiver mode to SPI RX Support, A7105_FLYSKY.

(This has been already set by factory. If the pairing has failed, please check this setting.)

Three. Receiver Pairing

Four: Flight Control Settings

The V2 version of the flight controller integrates the Betaflight native OSD and barometer and can be setup on the Betaflight ground station.Barometer opening method: Configuration → Barometer， Modes → BARO can be set barometric pressure setting;At the same time, Barometer can be opened on the SENSORE page to view barometric sensor curves.OSD open mode: Configuration→OSD

Turn the AFHDS2A mode on the remote controller to ON. Open the remote control menu and go to SYSTEM->RX Setup->AFHDS->OK->AFHDS 2A ->ON->OK as to complete the settings of AFHDS2A.

1、Hold the bind button on the remote controller to turn it on and enter bind mode.

2、 Hold the bind button on the flight controller and power on the flight controller (Blue light turns solid when it is unbound). After the remote control interface prompts with RX BIND OK, it would automatically enter the main interface and the flight controller’ s blue light starts to flash, indicating the binding has been successful.

IMPORTANT: Since the firmware of this flight controller has not been uploaded to the Github page of Betaflight website, please download the firmware from this link: http://www.mediafire.com/folder/hm8r8p4nc8d0b/LEMON_F3. The firmware will be synchronously updated with Betaflight.

Five: Unlock The Aircraft

1. After the paring of the FLSKY remote controller is completed, please go to the Betaflight configuration interface and calibrate the RC channels, forward and backward, rudder volume and the flight mode before flying.

ATTENTION: Please place the receiver antenna upright to the image transmission antenna so as to enhance control and increase image distance to the most extent

2、Unlock the throttle: Toggle the throttle joystick to the lowest and the rudder joystick to the right most. When the green LED light on the flight control board turns solid, the throttle has been successfully unlocked. Toggle the throttle joystick to control the drone to take off.

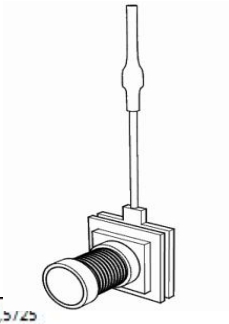
3、Lock the throttle: Toggle the throttle joystick to the lowest and the rudder joystick to the left most. When the green LED light on the flight control board disappears or starts to flash, the throttle has been locked.

ATTENTION: Alternatively, set up other RC channels through the configuration software on Betaflight and operate the control board to lock or unlock the aircraft.

4、F3 flight controller supports Betaflight. It is able to upgrade firmware or manage configuration through Micro-USB. When it is configured, the settings can be customized in Betaflight-Configuration.

3、FPV CAMERA

5.8G 40CH AIO FPV CAMERA



FPV tuned light camera come with video transmitter and clover leaf antenna

FOV150°，3.8g，40ch with RaceBand

Button Function：

Short press (Apr.1 sec or less) ：change channels 1-8

Long press (More than 1.5 sec) ：change bands A-B-E-F-R

Long+press (More than 3 sec) ：Change NTSC/PAL System

*NTSC or PAL (selectable ; Blue LED on=NTSC ; Blue LED off=PAL) *

Frequency channel list(MHZ)	Band A : 5865,5845,5825,5805,5785,5765,5745,5725
	Band B : 5733,5752,5771,5790,5809,5828,5847,5866
	Band E : 5705,5685,5665,5645,5885,5905,5925,5945
	Band F : 5740,5760,5780,5800,5820,5840,5860,5880
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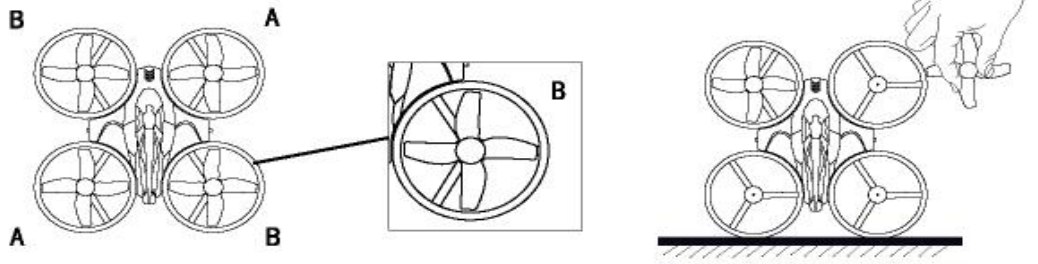

1、The blades shalled to desingnated location,Blade A/B shall be installed to Location A/B on body.Or the quadcopter may have problems.

2、Hold the head to aim at the motor axis and press down to lock.Be careful not to damage or deformthe blades.