GOFILM 20 QUICKSTART GUIDE

V1.2

The flight controller has a built-in ELRS receiver. Use the battery to quickly power up the Gofilm 20 three times. When the receiver indicator (as shown in Figure 3) turns red and flashes

1/7

How to bind ELRS 2.4G:

- twice quickly, it enters the binding mode. 2. Use the ELRS 2.4G protocol remote controller for frequency binding. Take the Radiomaster ZORRO ELRS 2.4G remote controller settings as an example. Perform the remote controller settings according to Figures ① ②. After the frequency binding is successful, the flight control
- ELRS receiver indicator light will be solid red.



TOOLS

{BLE Joystick}
{BIND} 2.1 ISM2G4 8dbbdb {----EXIT--} Note:



Default firmware version: ExpressLRS V3.0.1

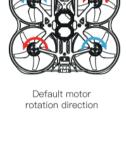
1

ARM & Mode: After the binding is successful, use FC to connect to the Betafight, and enter the Modes tab. Try to toggle the corresponding switch for each function, You move the Yellow cursor of the corresponding aux channel of the switch, the corresponding function will be turned on when

you move to the set range.

AUX1 ❤ Add Range





2. Short press the moonlight kit and goggles linking buttons respectively, when the moonlight kit

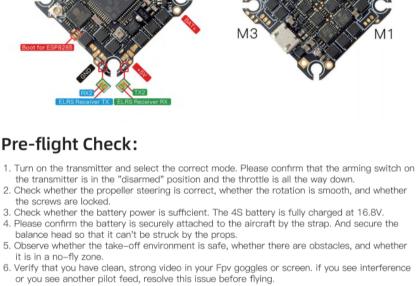
sound on the goggles stops and the screen is displayed.

• • • For more information on how to use the MOONLIGHT KIT, please scan the QR code to view the electronic manual.

enters the pairing state The VTX LED turns red, and the goggles end is a Dl... Dl... Dl... 3. After the link is successful, the indicator light on the VTX LED turns solid green, the beeping



Flight control wiring:



CAUTION!

Experience is required before handling this product. FCC Warning This device complies with Part 15 of the FCC Rules. Operation is subject to the following two

(1) This device should be used away from public areas and should not interfere with public wireless facilities or other wireless devices,
(2) This device may receive radio interference, which may cause malfunction or damage to the device. It is necessary to stay away from the environment where radio interference occurs. Users of modified or cracked versions or unlicensed amateur bands may be subject to penalties

This product is NOT a toy, thus it is not suited for children under 14 years of age.

Improper adjustments and operation will result in crashes and damage to the item.

for violating local laws or regulations. - This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. If not installed and used in accordance with the

Minors should be accompanied by an adult when operating. Warnings listed in the instructions must be read carefully.

- instructions, it may cause harmful interference to radio communications. There is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, it is recommended that you try to correct the interference by one or more of the following measures: Reorient or relocate the receiving antenna.
 Increase the separation between the device and the receiver.
- Product Information GOFILM 20 Features Equipped with Avata moonlight HD digital VTX, 1080p low-latency

Designed specifically for the Avatar moonlight and can be fitted with ND filters;

GOFILM 20

Moonlight Kit

STM32F405RGT6

FLRS V3.0 UART 20A 4-IN-1

2~4S Lipo/Lihv

JST0.8*6(USB); microSD Card Slot; IPEX-1 Starlight sensor

Max 160

SRRC: <20dBm; MIC: <25dBm JST1.0*4(power cable);

ICM42688

BMP280

8MBp

94mm 1303 6000KV

CADX-CADDXF4_AIO_ELRS

long-distance transmission; Support 4k60 video recording;

Motor Propeller Weight

GOFILM 20 Parameter

VTX Parameters

CADDXFPV Support email: support@caddxfpv.com

Battery Interface Flight Control Parameters GYRO and IMU Barometer

ESC

Blackbox

Support Power

I/O Interface

Sensor

FOV

Name

flight Control VTX

Motor Diagonal

Moonlight Kit Model AvatarMoonlight_Sky_X.X.X 5.725-5.850 GHz Firmware Name Communication Frequency FCC: <30dBm; CE: <14dBm; Transmitter Power (EIRP)

Gyro flow Power Consumption Memory Card Type

Canvas mode Average delay 22ms 2 (IPEX)



conditions:

- Adjust the transmit power or restart the device. Consult the dealer, manufacturer, or an experienced radio/TV technician for help. To maintain compliance with FCC safety guidelines, this device should be installed and operated with a minimum distance of 20 cm between the radiator and your body, Use only the supplied antenna.
- Use high quality 1303 6000kv motor with strong power; Fixed power plug design reduces exposed wires Use 2-inch propellers with protective rings for safer flight; Flight controller built-in ELRS 2.4G receiver.

HQProp T2×2×3 115±5g Size 133×123×39mm Maximum Hover Time 4S650mAh & About 5 min 30s Remote Control Receiver ELRS 2.4G XT30

ExpressLRS Receiver

Mounting hole Distance Firmware Target 25.5×25.5mm BETAFLIGHTF4

> 1080p@100/60fps; 720p@60fps 150Mbps MP4 (H.264) Support Support Support 7.4V-25.2V

F2.1 Aperture Rolling shutter Shutter 100-25600 4K@30/60fps; 2.7K@30/60fps; ISO Recording Resolution Max Mbps Video Format 3D DNR Built-in EIS Wide Power Input

> camera Size VTX Size VTX Installation hole Distance Weight OSD Latency Antenna

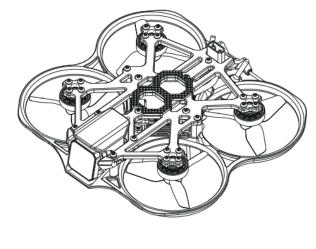




GOFILM 20

快速入门指南

V1.2



飞控板载 ELRS 2.4G 接收机,使用电池给 Gofilm 20 快速通电 3 次,当接收机 指示灯(如图③)变为红灯快闪两次时为进入对频模式。

指示灯为红灯常亮。

01 DSM Fwdp 02 ExpressLRS

如何对频 ELRS 2.4G:

- 2. 使用 ELRS 2.4G 协议遥控器进行对频,以 Radiomaster ZORRO ELRS 2.4G 遥控器设置为例,根据图 ① ② 进行遥控器设置,对频成功后飞控 ELRS 接收机
- 1 1/7 TOOLS

2 0/100 RM Zorro >WiFi Connectivity >Backpack {BLE Joystick}

(BIND) 3.2.1 ISM2G4 8dbbdb {----EXIT----} 接收机指示灯状态:



尝试拨动遥控器各功能开关, 当黄色光标

解锁开关:

从"关闭"更改为"打开"

ARM 添加范围



对频成功后,连接 Betaflight 地面站,进入模式选项,尝试拨 移动到设定范围就会开机相对应的功能,设置完成后点击保存。



2. 等待设备启机后,分别短按 Moonlight Kit 和眼镜端对频按钮,当进入配对状态时, VTX 指示灯

更多 MOONLIGHT KIT 产品信息请扫描二维码查看电子说明书。

变为红色, 眼镜端发出滴... 滴... 滴...蜂鸣器提示。

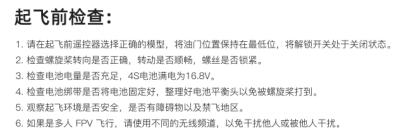
飞控接线定义:

M4

M3

3. 对频成功后, VTX 指示灯变为绿色常亮, 眼镜端蜂鸣器停止并显示图传画面。





本产品由精密部件组成,并非玩具,因此不适合14岁以下的少年或儿童使用,未成年操作时应有

本品操作者对其行为全权负责,务必选择合适的环境操作遥控模型,所选环境需远离公共道路、

FCC 警告 本设备符合 FCC 规则第 15 部分的规定。操作须遵守以下两个条件: (1) 本设备应远离公共区域 使用,不得干扰公共无线设施或其他无线设备;(2) 本设备可能会受到无线电干扰,这可能会导致

密集人群、电缆、无线电塔等

成年人陪同。

注意!

警告:本设备已通过测试,符合 FCC 规则第 15 部分对 B 类数字设备的限制。如果不按照说明 进行安装和使用,可能会对无线电通信造成有害干扰。无法保证在特定安装中不会发生干扰。 如果本设备确实对无线电或电视接收造成有害干扰 (可通过关闭和打开设备来确定), 建议您尝

使用修改版或破解版或未经许可的业余频段的用户可能会因违反当地法律或法规而受到处罚。

参数规格

型号

图传

电机对角距离

遥控接收机

GYRO and IMU

电池接口

图传型号

固件名字

通信频率

发射功率 (EIRP)

MCU

未能以安全的方式操作或维护本产品可能会导致人身伤害或财产损失。

设备故障或损坏,必须远离发生无线电干扰的环境。

试诵讨以下一种或多种措施来纠正干扰: - 重新调整或重新放置接收天线。 - 增加设备与接收器之间的距离。 - 调整发射功率或重启设备。

电机 1303 6000KV HQProp T2×2×3 螺旋桨 115±5g 重量 133×123×39mm 尺寸 最长悬停时间 4S650mAh & 约5分30秒

Barometer ExpressLRS receiver ELRS V3.0 UART ESC 20A 4-IN-1 8MBp Blackbox Support Power 2~4S Lipo/Lihv Mounting hole Distance 25.5x25.5mm Firmware target BETAFLIGHTF4

> SRRC: <20dBm; MIC: <25dBm JST1.0*4(电源线); JST0.8*6(USB) microSD 卡槽; IPEX-1 接口 星光级传感器 传感器 FOV Max 160 光圈 F2.1 电子快门 卷帘快门 100-25600 4K@30/60fps; 2.7K@30/60fps; 1080p@100/60fps; 720p@60fps 录制分辨率 150Mbps

MP4 (H.264) 3D 降噪 支持 陀螺仪数据 支持 支持 7.4V-25.2V 12V@1.4A, 8V@2.2A U3 microSD卡, Max 256 G 19.6mm×19mm×24mm 15.3mm×34.5mm×34.5mm 20×20mm/25×25mm (M2) 38.5g (不含天线) Canvas mode 平均延时 22ms 端到端延时

GOFILM 20 参数

も控参数

GOFILM 20 产品特点 搭载 Avatar moonlight 高清数字图传,1080p 低延迟远距离传输, 支持 4k60 视频录制; 专为 Avatar moonlight 设计的机架,可以使用高品质 1303 6000kv 电机动力强劲; 可以安装 ND 滤镜; 机架固定插头设计, 减少裸露电线更美观;

飞行更安全;

CADX-CADDXF4_AIO_ELRS

405RGT6

AvatarMoonlight_Sky_X.X.X 5.725-5.850 GHz

FCC: <30dBm; CE: <14dBm;

GOFILM 20

Moonlight Kit

ELRS 2.4G

ICM42688

Moonlight Kit

BMP280

XT30

94mm

使用2英寸螺旋桨搭配保护圈,

%控内置 ELRS 2.4G 接收机

图传参数

CADDXFPV 技术支持

email: support@caddxfpv.com

最大码率 视频格式

内置电子防抖 宽电源输入 功耗 支持存储卡类型 相机尺寸 图传尺寸 图传安装孔距 重量 OSD

天线

2 (IPEX)