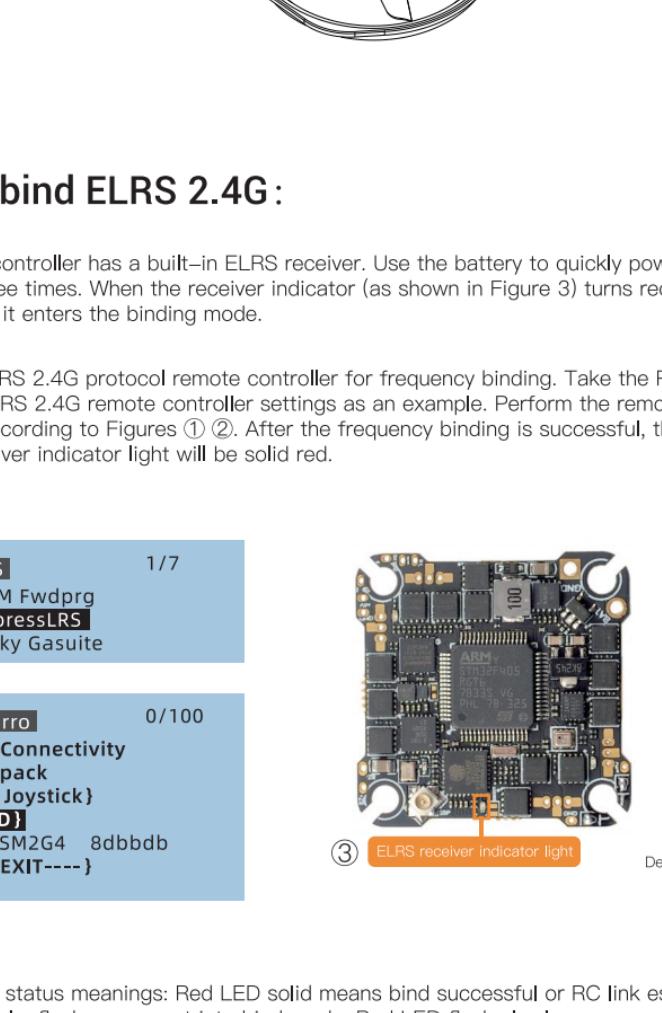


GOFILM 20

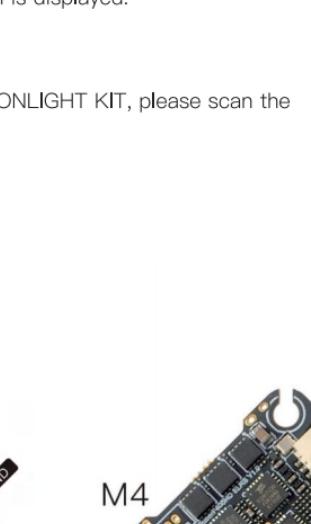
QUICKSTART GUIDE

V1.2



How to bind ELRS 2.4G:

- 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 twice quickly, it enters the binding mode.
- 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.



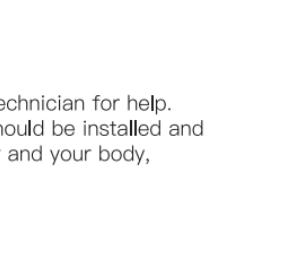
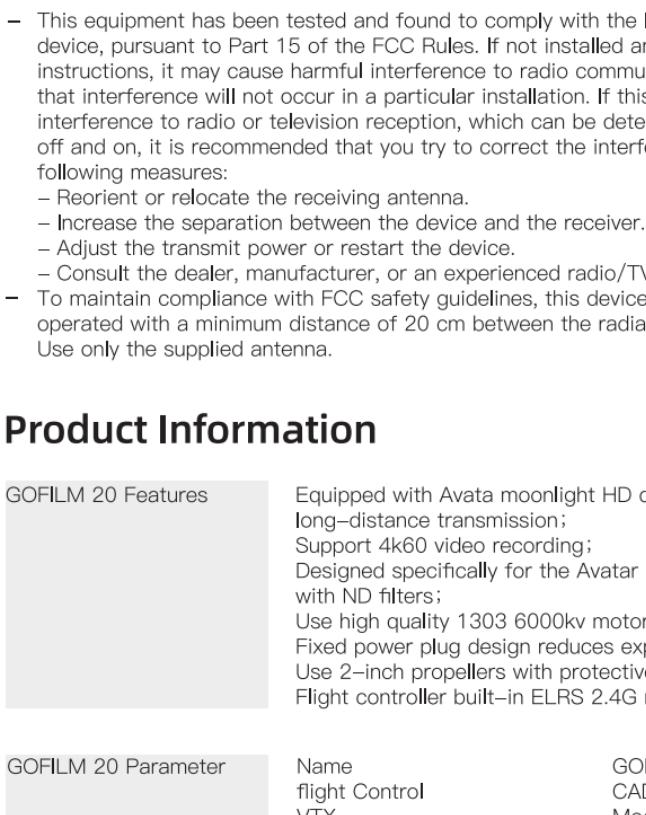
Default firmware version:
ExpressLRS V3.0.1

Note:

Receiver LED status meanings: Red LED solid means bind successful or RC link established; Red LED double-flash means get into bind mode; Red LED flash slowly means no RC signal input from TX module; Red LED continuous flash fast means ExpressLRS wifi enabled; Red LED tri-flash means model mismatch need to change model match from "off" to "on".

ARM & Mode:

After the binding is successful, use FC to connect to the Betaflight, 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.



Default motor rotation direction

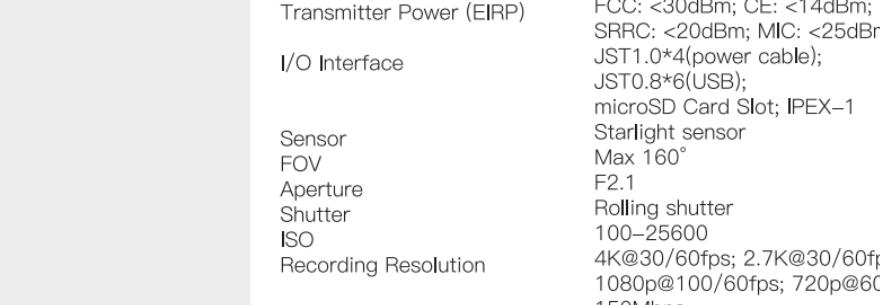
How to bind VTX:

- Connect the moonlight kit and the power of the goggles.
- Short press the moonlight kit and goggles linking buttons respectively, when the moonlight kit enters the pairing state The VTX LED turns red, and the goggles end is a DI... DI... DI...
- After the link is successful, the indicator light on the VTX LED turns solid green, the beeping 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.



Flight control wiring:



Pre-flight Check:

- Turn on the transmitter and select the correct mode. Please confirm that the arming switch on the transmitter is in the "disarmed" position and the throttle is all the way down.

2. Check whether the propeller steering is correct, whether the rotation is smooth, and whether the screws are locked.

3. Check whether the battery power is sufficient. The 4S battery is fully charged at 16.8V.

4. Please confirm the battery is securely attached to the aircraft by the strap. And secure the balance head so that it can't be struck by the props.

5. Observe whether the take-off environment is safe, whether there are obstacles, and whether it is in a no-fly zone.

6. Verify that you have clean, strong video in your Fpv goggles or screen. if you see interference or you see another pilot feed, resolve this issue before flying.

CAUTION!

- This product is NOT a toy, thus it is not suited for children under 14 years of age. Minors should be accompanied by an adult when operating.
- Warnings listed in the instructions must be read carefully.
- Improper adjustments and operation will result in crashes and damage to the item.
- 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 conditions:

(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 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 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.

- 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.

Product Information

GOFILM 20 Features

Equipped with Avata moonlight HD digital VTX, 1080p low-latency long-distance transmission;

Support 4k60 video recording;

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

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.

GOFILM 20 Parameter

Name

flight Control

MCU

GYRO and IMU

Barometer

ExpressLRS Receiver

ESC

Blackbox

Support Power

Mounting hole Distance

Firmware Target

Flight Control Parameters

Model

Firmware Name

Communication Frequency

Transmitter Power (EIRP)

I/O Interface

Sensor

FOV

Aperture

Shutter

ISO

Recording Resolution

Max Mbps

Video Format

3D DNR

Gyro flow

Built-in EIS

Wide Power Input

Power Consumption

Memory Card Type

camera Size

VTX Size

VTX Installation hole Distance

Weight

OSD

Latency

Antenna

VTX Parameters

Moonlight Kit

AvatarMoonlight_Sky_X.X.X

5.725-5.850 GHz

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

SRRC: <20dBm; MIC: <25dBm

JST1.0*4(power cable);

JST0.8*6(USB);

microSD Card Slot; IPEX-1

Starlight sensor

Max 160°

F2.1

Rolling shutter

100-25600

4K@30/60fps; 2.7K@30/60fps;

1080p@100/60fps; 720p@60fps

150Mbps

MP4 (H.264)

Support

Support

Support

7.4V-25.2V

12V@1.4A, 8V@2.2A

U3 microSD, Max 256G

19.6mmx19mmx24mm

15.3mmx34.5mmx34.5mm

20x20mm/25x25mm (M2)

38.5g (Antenna not included)

Canvas mode

Average delay 22ms

2 (IPEX)

CADDXFV Support

This content is subject to change.

email: support@caddxfpv.com

Download the latest version from

<https://www.caddxfpv.com>

GOFLIM 20

快速入门指南

V1.2



如何对频 ELRS 2.4G:

1. 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。
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①② 进行遥控器设置，对频成功后飞控 ELRS 接收机指示灯为红灯常亮。

①
TOOLS
01 DSM Fwdprg
02 ExpressLRS
03 Frsky Gasuite
1/7

②
RM Zorro
>WiFi Connectivity
>Backpack
{BLE Joystick}
{BIND}
3.2.1 ISM2G4 8dbbdb
{---EXIT---} 0/100

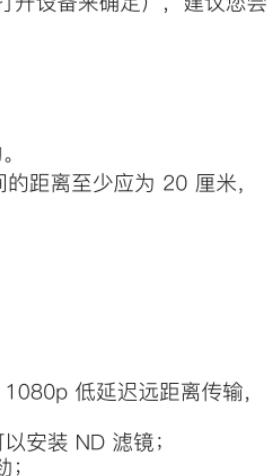


接收机指示灯状态：

红色 LED 常亮表示绑定成功或 RC 链接已建立；红色 LED 双闪表示进入绑定模式；
红色 LED 慢闪表示 TX 模块没有 RC 信号输入；红色 LED 连续快速闪烁表示 ExpressLRS wifi 已启用；红色 LED 三闪表示模型不匹配，需要将 Model Match 从“关闭”更改为“打开”。

解锁开关：

对频成功后，连接 Betaflight 地面站，进入模式选项，尝试拨动遥控器各功能开关，当黄色光标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。



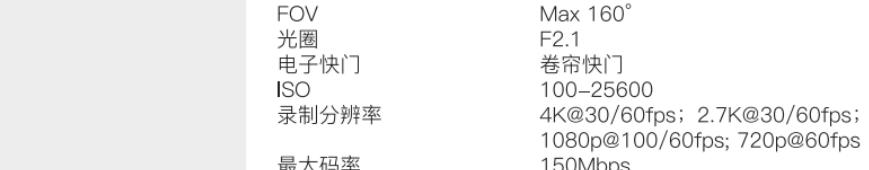
默认电机转向

如何对频 VTX:

1. 连接 Moonlight Kit 和眼镜端电源。
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 指示灯变为红色，眼镜端发出滴... 滴... 滴...蜂鸣器提示。
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。



飞控接线定义：



更多 MOONLIGHT KIT 产品信息请扫描二维码查看电子说明书。



注意！

- 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，未成年操作时应有成年人陪同。
 - 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。
 - 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、密集人群、电缆、无线电塔等。
- 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，这可能会导致设备故障或损坏，必须远离发生无线电干扰的环境。
- 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），建议您尝试通过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。
 - 咨询经销商、制造商或经验丰富的无线电/电视技术人员寻求帮助。
- 为了符合 FCC 安全准则，安装和操作此设备时，辐射器和身体之间的距离至少应为 20 厘米，仅使用随附的天线。



CADDXPV 技术支持

email: support@caddxfpv.com

