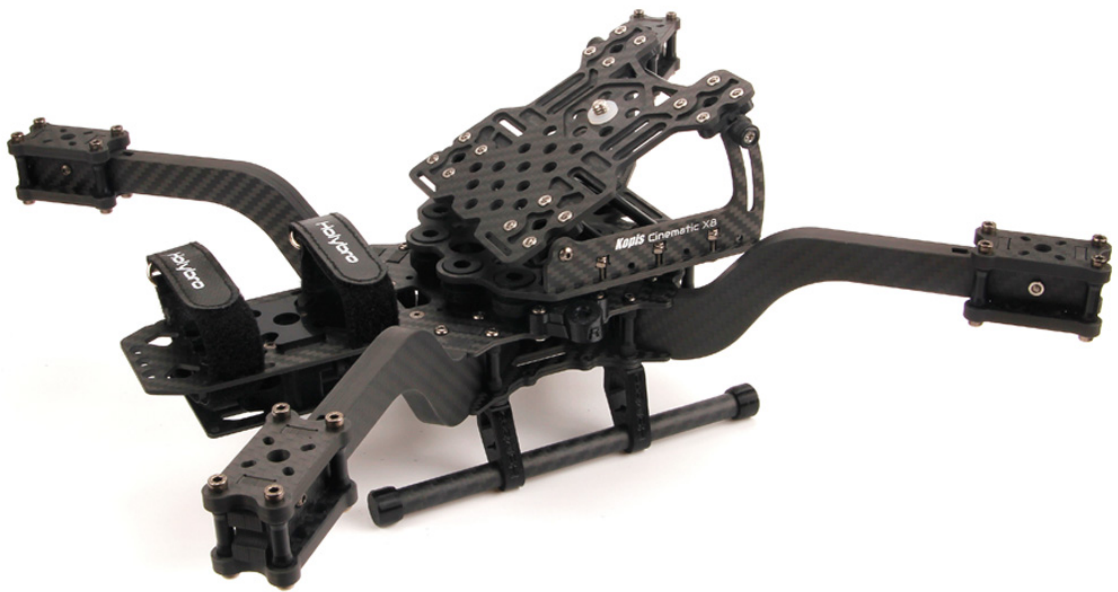


#30088

***Kopis* Cinematic X8**

Frame Kit



User Manual & Installation Guide

v1.0

Holybro kopis cinematic X8 is a powerful and heavy-duty model designed for professionals. With a full carbon fiber frame which provides a good shock absorption performance, Kopis Cinematic X8 offers a perfect platform with adjustable installation angle available from 0 to 25 °. for both SLR and HD cameras such as Comodo; zcam-e2; Sony a7s3 and Panasonic S5, etc. With redundant configurations of ESC and motor supported, best performance and security are both ensured. DJI FPV air unit digital VTx system installation seat has been reserved.

Two pieces of 5mm carbon fiber arms provide reliable structural support for this powerful quad. We also have new vesion Holybro KAKUTE F7 V1.5, KAKUTE F7 HDV,KAKUTE F7 Mini V3 which are compatible with X8.

Features:

- Wheelbase: 396mm
- Arm: 16mm wide x 10mm thick (with 5mm thick carbon fiber boards overlaid)
- Landing gear: TPU bracket combined with 10 mm carbon fiber tube
- Compatible with DJI AIR UNIT&CADDX Vista HD digital VTx
- Compatible with multiple mounting holes specs : 30.5x30.5mm & 20x20mm
- Professional camera installation supported: Comodo, zcam-e2, Sony a7s3, Panasonic S5
- Camera platform shock absorption structrue with 10 silicone damping balls
- Spacing between top and bottom plates: 22mm
- Camera platform elevation: 0 ~ 25 ° Adjustable
- Propeller size: 7 "
- Frame weight: 640g

Recommended equipments:

FC: KAKUTE F7 V1.5 / KAKUTE F7 HDV / KAKUTE F7 Mini V3

ESC: Tekko32 F3 4in1 45A ESC / Tekko32 F4 4in1 45A ESC / Tekko32 F3 Metal 4in1 65A ESC

VTx: DJI FPV Air Unit / CADDX Vista Kit

Motor: 2806 KV1300~1500

Propeller: 7040

Battery: LiPo cells 3~6S

Includes:

1x Kopis Cinematic x8 Kit

KAKUTE FC Modification Instruction for Octo x8 Multirotor Frame

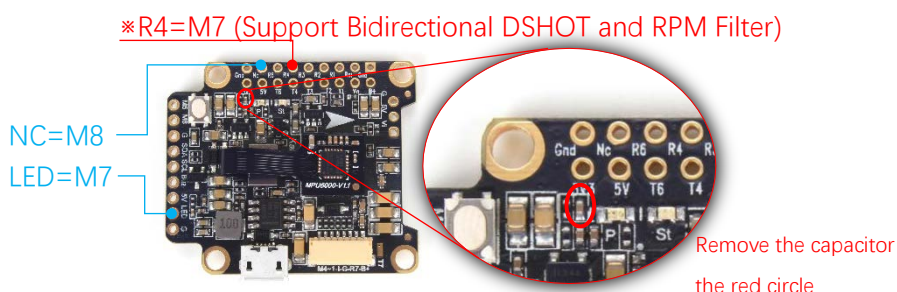
To enable Kakute F7 flight controller to have 8x PWM Motor Output for Octo x8 Multirotor Frame, please follow the instruction below:

Step 1.

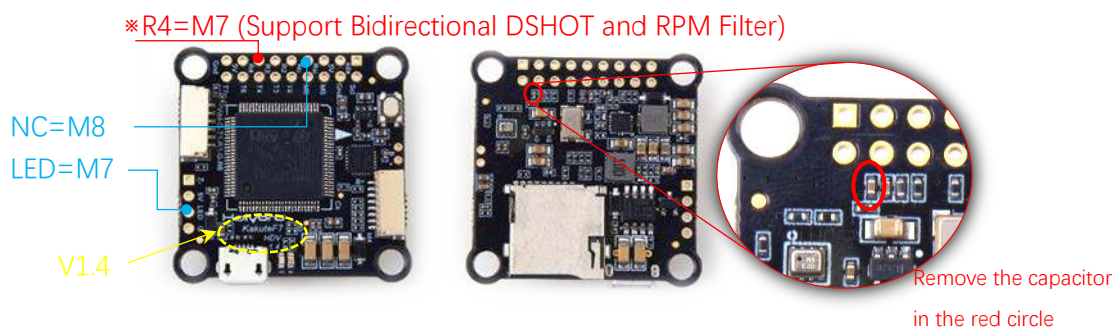
Remove the capacitor in the red circle marked in the pictures below according to your Kakute F7 model.

Please note that you have the options to connect M7 to R4 or LED pads. Connecting to R4 pad will allow Bidirectional DSHOT and RPM Filter support, but you will lose UART4 RX.

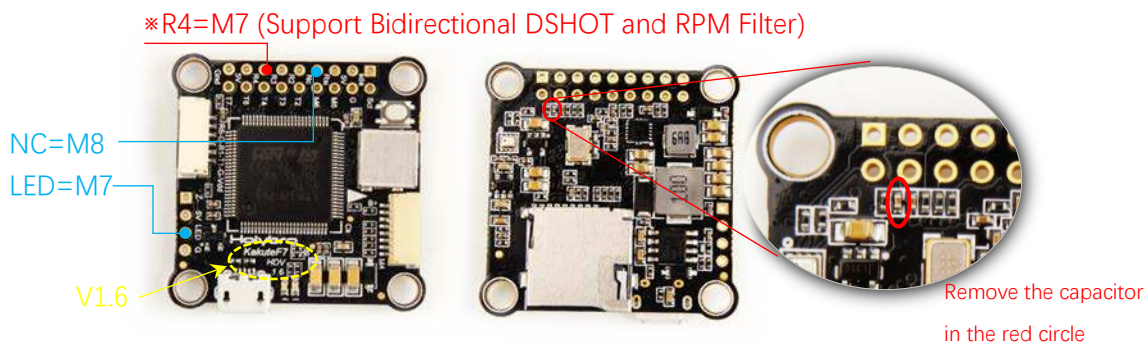
KAKUTE F7 V1.5



KAKUTE F7 HDV V1.4



KAKUTE F7 HDV V1.6



Step2 option A – Follow this step only if M7 is soldered onto LED & M8 is soldered onto NC

Go to Betaflight CLI and type in the following:

```
resource LED_STRIP 1 NONE
resource MOTOR 7 D12
resource MOTOR 8 B03
timer B03 AF1
dma pin B03 0
save
```

Step2 option B – Follow this step only if M7 is soldered onto R4 & M8 solder onto NC

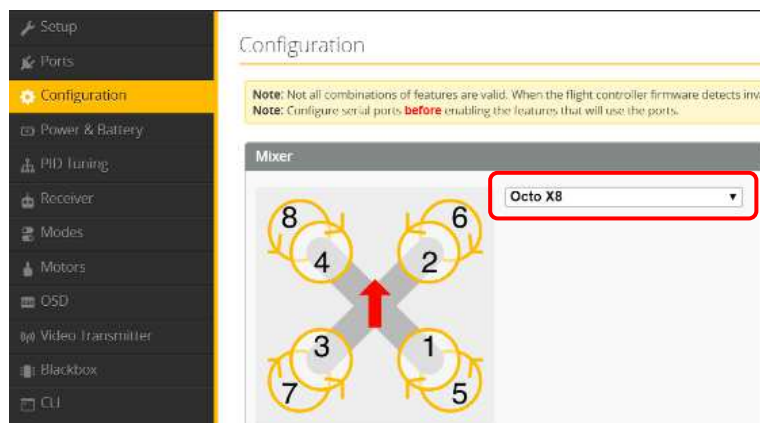
Bidirectional DSHOT and RPM Filter supported. Note that this will disable UART4 RX.

Go to Betaflight CLI and type in the following:

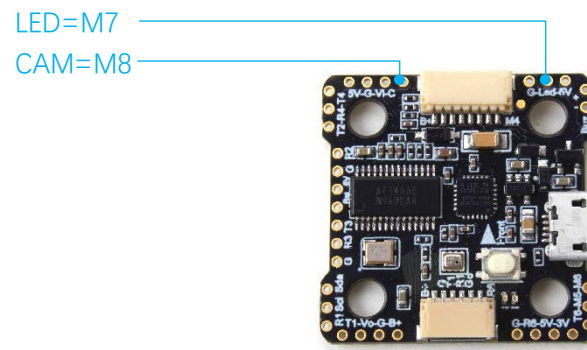
```
resource CAMERA_CONTROL 1 NONE
resource SERIAL_RX 4 NONE
resource MOTOR 7 A01
resource MOTOR 8 B03
timer A01 AF2
timer B03 AF1
dma pin A01 0
dma pin B03 0
save
```

Step 3.

Go to Betaflight Configuration tab and select “Octo X8” under “Mixer”.



KAKUTE F7 Mini V3



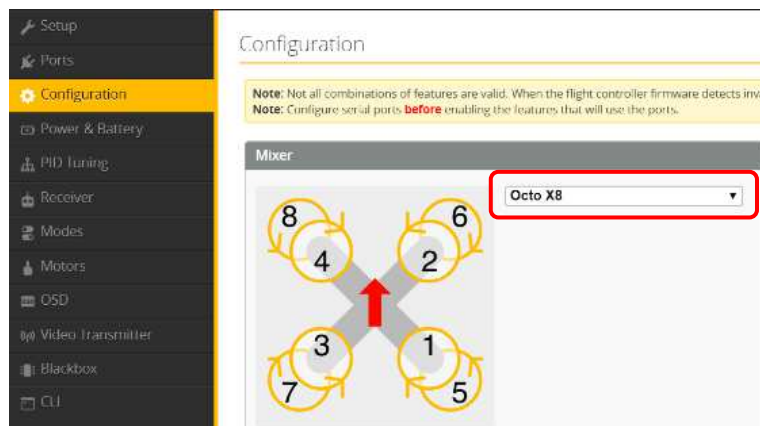
Step 1

Go to Betaflight CLI and type in the following:

```
resource LED_STRIP 1 NONE  
resource CAMERA_CONTROL 1 NONE  
resource MOTOR 7 A08  
resource MOTOR 8 B03  
save
```

Step 2.

Go to Betaflight Configuration tab and select "Octo X8" under "Mixer".



Wiring diagram

