

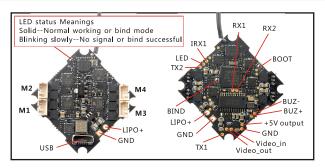
Specifications	
Brand Name: Eachine	
Item Name: Cinecan 85mm 4K Cinewhoop	
Wheelbase: 85mm	-
Size: 115mm*115mm*55mm	
Weight: 63.5g(without battery)	
Weight:89g(with Original 3s 300mah Lipo battery)	

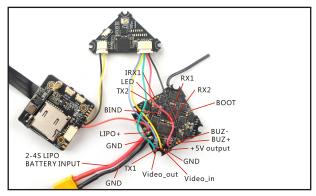
Package includes

Item Name	Qty
Cinecan 85mm Frame	1
Option1: Crazybee F4FR V3.0 PRO FC built-in Frsky NON-EU RX	
Option2: Crazybee F4FS V3.0 PRO FC built-in Flysky RX	1
Option3: Crazybee F4 V3.0 with external TBS Crossfire Nano RX	1
Option4: Crazybee F4 V3.0 PRO FC no RX verion	
1103 KV7000 motor	4
2" propeller(4cw+4ccw)	1
Caddx Tarsier	1
5.8G 40ch 25mw-200mw VTX	1
3S 11.4v 300mah 30C/60C battery	1
Propeller disassemble tool	1
Screwdriver	1

* ND Filter UV Lens not include

Flight controller connection diagram





Binding procedure

1. Powering the Cinecan then the red LED at the bottom of the flight controller will blinking slowly. And then press and hold the bind button for 2 seconds, the red led will getting to be solid, this indicate the receiver is in bind mode.



Another simple way to bind with the Frsky transmitter is: Plug the usb and go to the CLI command tab in the betaflight configurator, then type "bind_rx_spi", the receiver will getting into bind mode, and then make your Frsky transmitter to bind mode.



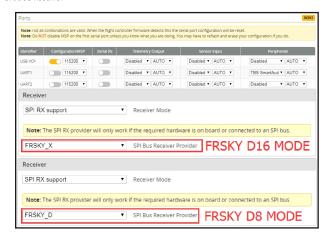
2. Turn on your Frsky Taranis transmitter, and move to BIND OPTION from SETUP MENU, Choose receiver mode D16 or D8 according to your Betaflight receiver configuration (Frsky_X = D16 mode, Frsky_D=D8 mode)



3.ENT [Bind] to binding with the Cinecan, the red LED at the bottom of the flight controller will blinking slowly on the flight controller, this indicate binding successfully, and then exist binding mode of your Frsky transmitter, the red LED at the bottom of the flight controller will getting to be solid again, this indicate working normal.

Receiver configuration

Please set Receiver mode to be SPI RX Support from the Configuration tab of the Betaflight Configurator, then select FRSKY_X Provider for FRSKY D16 MODE or Select FRSKY_D Provider for FRSKY D8 MODE, don't enable Serial RX since the CRAZYBEE Flight controller is integrated SPI BUS Receiver



Arm/Disarm the Motor

 $1. The \ Default\ Arm/Disarm\ switch for \ Cinecan\ is\ AUX1 (Channel\ 5), and\ you\ can\ also\ customize\ it\ with\ Betaflight\ Configurator.$



2.Turn on the Frsky transmitter (Use X9D+ as an example) and move to the MIXER interface, Set "SA" or "SB" switch etc. for Ch5 to ARM/DISARM the motor.

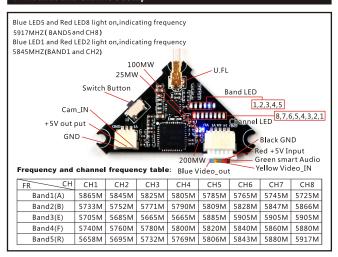


3. The default channel map for Cinecan Frsky version is TAER1234, please make sure your transmitter is matched, otherwise it will can't be armed. Toggle the AUX1 Switch , the Green LED on the flight controller will getting to be solid, this indicates the motor was armed. And also you can found "Armed" displayed on your FPV Goggles or the FPV Monitor. Please make sure keep the Cinecan level before arming. Be careful and enjoy your flight now!





VTX Bands and Channels setup



There are 3 ways to switch the vtx channels:

1.Long press the switch button to change the Band of the VTX, shorter press the switch button to change the channels of the VTX.

 $({\sf Can't \ save \ , it \ will \ lost \ the \ channel \ while \ re-power \ for \ the \ Cinecan \ since \ the \ Smartaudio \ funciton \ enalbed)}$

2.Go to Betaflight CLI ,type the command:

115200 🔻

Set vtx_band=3

Set vtx_channel=1

Set vtx_freq=5705

save

Notes: The vtx_freq should match the vtx_band and vtx_channle as the VTX Channel list shows. For example, if you set vtx_freq=5732, you should set vtx_band=5 and vtx_channel=3

Disabled ▼ AUTO ▼

3. Enable Smartaudio for UART1, then move the stick of the transmitter (THR MID+YAW LEFT + PITCH LIP) to enter OSD Menu. Enter to Features, then enter to VTX SA to set VTX Rand and change

	+ PIIC	n OP) to enter OS	D Menu,	enter to reatures, then	, then enter to VIX 3A to set VIX band and channe				
1	Identifier	Configuration/MSP	Serial Rx	Telemetry Output	Sensor Input	Peripherals			

Disabled ▼ AUTO ▼

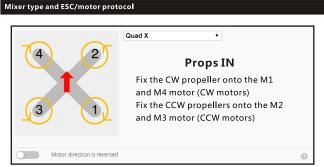
2

5



CONFIG

BACK





Default PID setting

	Proportionalntegral		Derivative Feedfo		rwa	rdRC Rate	Super Rate		Max Vel [deg/s]	RC Expo		
Basic/Acro												0
ROLL	50	\$	45	\$	27 🛊	60	\$	1.00 \$	0.75	\$	800	0.23 🛊
PITCH	50	\$	50	\$	30 \$	60	\$)	0.75	\$	800	5
YAW	72	\$	55	\$	0 \$	100	\$	1.00 🖨	0.70	\$	667	0.00 🛊

ESC Check and Flash firmware

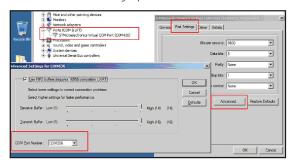
1.Download New release Blhelisuite from:

https://www.mediafire.com/folder/dx6kfaasyo24l/BLHeliSuite

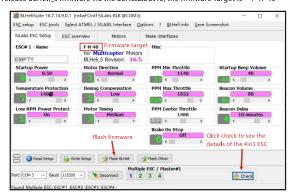
2.Plug the usb and connect the flight controller to computer



3.Open the Device Manager of your computer, find the Ports, please make sure the Com port Serial Number is under 255, otherwise it will can't connect to the BLHELISUITE. You can change the port serial number like the bellowing step:



4.Open the BLHELISUITE, Select SILABS BLHeli Bootloader (Cleanflight) from the third tab on the top side. Then Select the right Serial com port and Click connect. You can also Flash the new release BLHeli_s firmware via the BLHEILISUITE, the firmware Target is "F-H-40"



Flight controller firmware update

1.Install latest STM32 Virtual COM Port Driver

http://www.st.com/web/en/catalog/tools/PF257938

2.Install STM BOOTLOAD Driver (STM Device in DFU MODE)

3.Open Betaflight configurator and choose firmware target "CrazybeeF4FR" , then select the firmware version

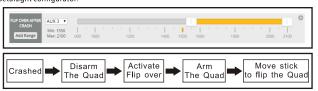
4.There are 2 ways to get in DFU Mode: 1). solder the boot pad and then plug USB to computer 2). loading betaflight firmware and hit "flash", then it will getting into DFU Mode automatically. 5.Open Zadiq tools to replace the drivers from STM32 Bootloader to WINUSB Driver.

6. Reconnect the flight controller to the computer after replace driver done, and open Betaflight Configurator, loading firmware and flash.



"Flip over after crash" procedure

Set one channel of your radio transmitter to activate the Flip over function in the Mode tab of Betaflight configurator.



Notes:

1. Add external Sbus RX, Disable SPI RX---Connect SBUS wire to the IRX1 pad ---Enable Serial RX for UART1---Choose serial based receiver and Sbus protocol

2. Add external Crossfire rx , use TX2 RX2 port