STICK4
4INCH TOOTHPICK FPV DRONE
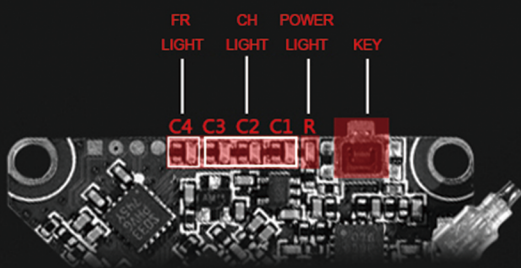
INSTRUCTIONS

Brand Name	AURORA RC	Drone Name	STICK4
Flight Controller	F411 AIO 30A Upgrade firmware version:MATEKF411	ESC	BLHELI S 30A (built-in)
Motor	T-MOTOR F1507 2700KV	Propeller	Gemfan Flash 4032-3
Camera	CADDX.US Turbo EOS2	VTX	25-50-100-200-400mW 40CH

FLIGHT CONTROLLER F411 AIO 30A

Camera
LED Strip
Beeper

Receiver
SBUS IBUS, DSM at BF
Software opens UART2
serial receiver

Negative electrode——GND
5V Positive electrode ——5V
Camera video in——VIN
LED Strip signal —— LED
Negative pole of buzzer——BZ-
5V Positive electrode——5V
Negative electrode——GND

GND ——Negative electrode
4.5V ——4.5V Positive electrode(5V is OK)
3.3V —— 3.3V Positive electrode(For DSM)
SBUS ——SBUS Signal
RX2——DSM/IBUS Signal
TX2——UART2 Signal output
GND —— Negative electrode

motor4 M4
motor3 M3
M2 motor2
M1 motor1

RX1——UART1 Signal input
TX1——To VTX OSD contral RX
VOUT——To VTX Video
5V —5V VTX Positive electrode
GND—— Negative electrode

VTX

BOOT Button

Firmware:
Betaflight MATEKF411（MK41）   GND - 2-4S +

FRENQUENCY AND OUTPUT POWER CONTROL

Frequency and power control methods with BF OSD,you can change it with your transmitter.
Key frequency control:Press the key to change the CH1-8.
Press and hold the key for 3 seconds and the C4 light flash, then press the key to change the frequency group FR(A-R).

Power control:Press and hold the key for 6 seconds and the R light flash,then press the key to change the power level 25mw/50nW/100mw/200mW/400mW.
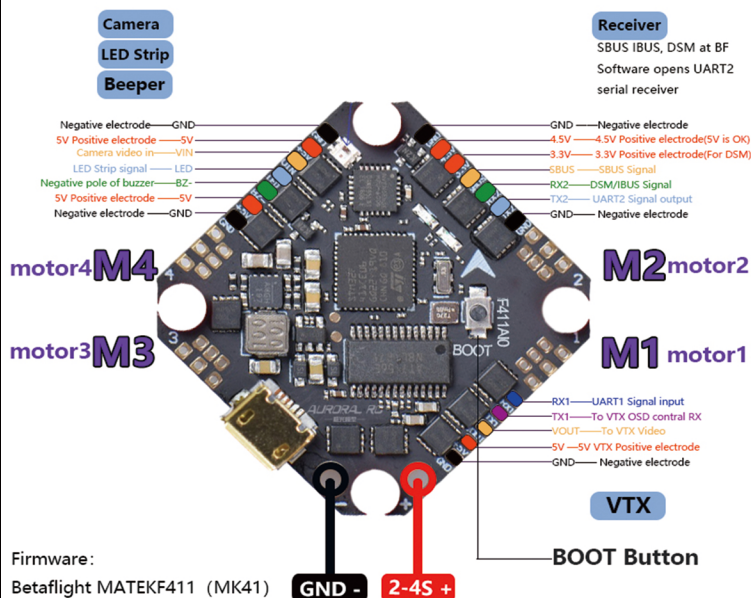

FR LIGHT   CH LIGHT   POWER LIGHT   KEY
C4 C3 C2 C1 R

RF POWER LED	25mW	50mW	100mW	200mW	400mW	Fault
R	1 time	2 times	3 times	4 times	5 times	●

Frequency Table(Mhz)

CH C3 C2 C1 FR(C4)	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8
A 1 time	5865	5845	5825	5805	5785	5765	5745	5725
b 2 times	5733	5752	5771	5790	5809	5828	5847	5866
E 3 times	5705	5685	5665	5645	5885	5905	5925	5945
F 4 times	5740	5760	5780	5800	5820	5840	5860	5880
r 5 times	5658	5695	5732	5769	5806	5843	5880	5917

○ off   ● on   ◉ Flash

The frequency marked in orange can only be used after obtaining the ham license certificate.

CONNECT TO THE TRANSMITTER

BNF-Frsky D16 mode

1,Turn on the transmitter while holding the F/S button on the module (please refer to the module instruction manual for switch positions). Release the button. The RED LED on the Module will flash,indicating the transmitter is ready to bind to the receiver.

2,Connect battery to the XM+receiver while holding the F/S button on the receiver.The LED on the receiver will flash,indicating the bindingprocess is completed.

3,Turn off both the transmitter and the receiver.

4,Turn on the transmitter and connectthe battery.The GREEN LED on the receiver indicates the receiver is receiving commands from the transmitter. The receiver/transmitter module binding will not have to be repeated, unless one of the tow is replaced.

BNF-Flysky AFHDS 2A

1, Press and hold the receiver BIND key then plug in battery, when the light flashs, the receiver enters the code state,release the BIND key;

2, Use the transmitter to enter the code mode;

3, when the receiver`s light flashs from fast to slow means the success of the code;

4, Restart the transmitter, reenergized the drone ,when the receiver`s light is on , the connection is done;

5,The light is on when working.