MAMBA STACK

FC :MAMBA Basic APP F722 MK I ESC:MAMBA F50 PRO

Stack Specifications:

 MCU
 STM32F722RET6

 Frequency
 216MHz

 GYRO
 MPU6000

 OSD
 AT7456E

 Blackbox
 16M Memory

 Uarts
 6 Set

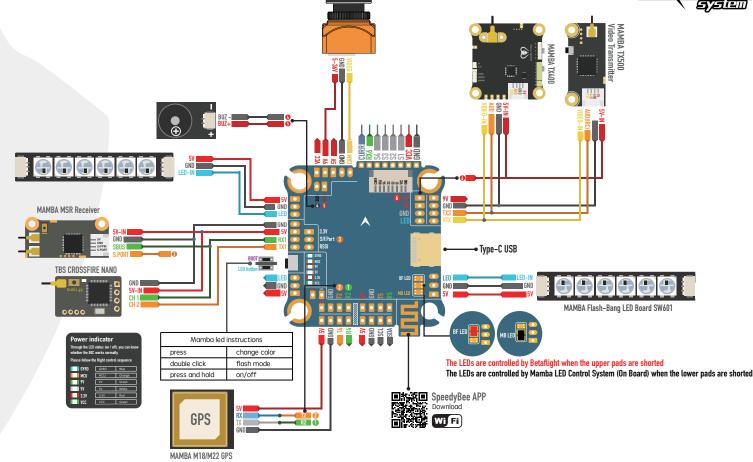
Receiver TBS/SBUS/IBUS/DSM

I2C Yes **RSSI** Pad Yes F.Port Yes Buzzer Pad Yes **CURR Pad** Yes **ESC Signal** 4 Set **BEC 3.3V** 0.5A 3A BEC 5V BEC 9V (DJI Power) 3A MB LED Yes

Mounting 30.5×30.5mm/M3 Size 38.0×41.5×7.5mm

Weight 9.5g

Web: www.diatone.us



Target: MAMBAF722_I2C
Main firmware STM32 F7X2

Config file MAMBAF722_I2C

When Using Compass Magnetometer, Following Command:

set mag_i2c_device = 1 set mag_bustype = i2c

The Default Port:

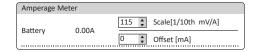
UART 1 Receiver UART 2 Vacancy UART 3 VTX UART 4 WIFI UART 5 S/F.Port UART 6 TELE

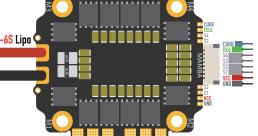






Capacitor requested when using 6S battery





MAMBA F50 PRO ESC

ESC

CURR Yes
Telemetery Yes
Output Current 50A
Peak Current 55A
Input 3-6S Lipo
BLheli-32 Yes

Target MAMBA F50 PRO
Protocol Dshot 300/600/1200
Mounting 30.5×30.5mm,Ø 3
Size 45.0×41.0×6.5mm

Weight 15



MAMBA STACK

FC: MAMBA Basic APP F722 MK I **ESC:MAMBA F60 PRO**

Stack Specifications:

MCU STM32F722RET6 Frequency 216MHz GYRO MPU6000 AT7456E OSD Blackbox 16M Memory 6 Set Uarts

TBS/SBUS/IBUS/DSM Receiver

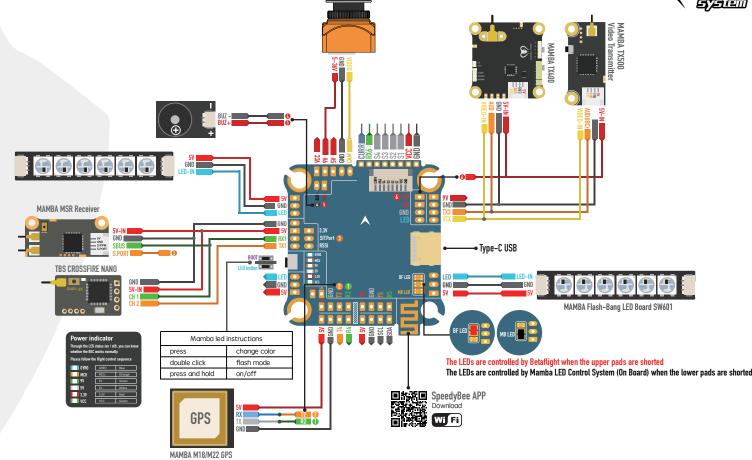
I2C Yes **RSSI** Pad Yes F.Port Yes Buzzer Pad Yes **CURR Pad** Yes **ESC Signal** 4 Set **BEC 3.3V** 0.5A 3A BEC 5V BEC 9V (DJI Power) 3A MB LED Yes

BF LED Yes WIFI Yes Input 6S Lipo TVS Protection Yes Soft Ware Betafliaht

Mounting 30.5×30.5mm/M3 38.0×41.5×7.5mm Size

Weight 9.5q

Web: www.diatone.us



Target: MAMBAF722 I2C

Main firmware STM32 F7X2 Config file MAMBAF722 I2C

When Using Compass Magnetometer, Following Command:

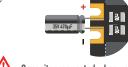
set mag i2c device = 1 set mag bustype = i2c

The Default Port:

UART 1 Receiver UART 2 Vacancy UART 3 VTX UART 4 WIFI UART 5 S/F.Port UART 6 TELE

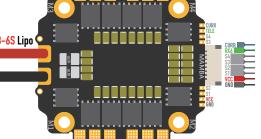






Capacitor requested when using 6S battery





MAMBA F60 PRO ESC

ESC

CURR Yes Telemeteru Yes Output Current 60A Peak Current 75A Input 3-6S Lipo BLheli-32

MAMBA F60 PRO Target Protocol Dshot 300/600/1200 30.5×30.5mm,Ø3 Mounting Size 45.0×41.0×6.5mm

Weiaht



MAMBA STACK

FC: MAMBA Basic APP F722 MK I **ESC:MAMBA F50**

Stack Specifications:

MCU STM32F722RET6 Frequency 216MHz GYRO MPU6000 AT7456E OSD Blackbox 16M Memory 6 Set Uarts

TBS/SBUS/IBUS/DSM Receiver

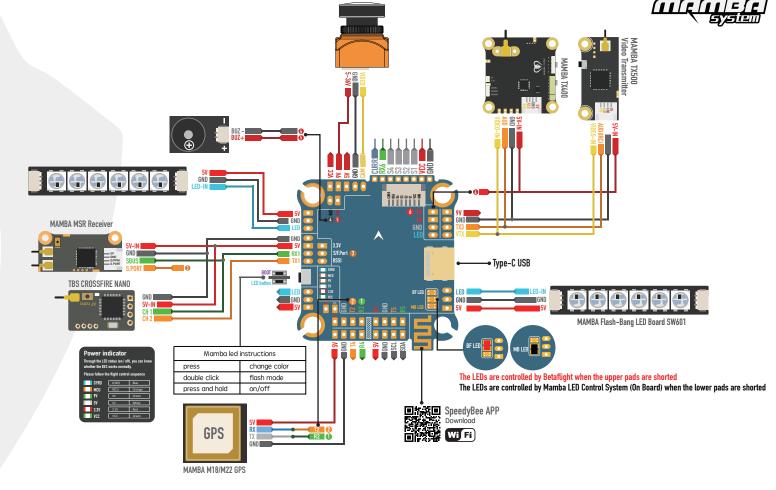
I2C Yes **RSSI** Pad Yes F.Port Yes Yes Buzzer Pad **CURR Pad** Yes **ESC Signal** 4 Set **BEC 3.3V** 0.5A 3A BEC 5V BEC 9V (DJI Power) 3A Yes

MB LED BF LED Yes WIFI Yes Input 6S Lipo TVS Protection Yes Soft Ware Betafliaht

Mounting 30.5×30.5mm/M3 38.0×41.5×7.5mm Size

Weight 9.5q

Web: www.diatone.us



Target: MAMBAF722 I2C Main firmware STM32 F7X2

set mag i2c device = 1 Config file MAMBAF722 I2C

The Default Port:

UART 1 Receiver UART 2 Vacancy UART 3 VTX UART 4 WIFI UART 5 S/F.Port UART 6 TELE



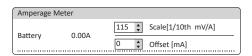


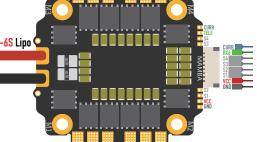
When Using Compass Magnetometer, Following Command:

set mag bustype = i2c



Capacitor requested when using 6S battery





MAMBA F50 ESC

ESC

CURR Yes **Output Current** 50A Peak Current 55A Input 3-6S Lipo BLheli-32 Yes CH40 Target

Protocol Dshot 300/600 30.5×30.5mm,Ø3 Mounting Size 45.0×41.0×6.5mm

Weiaht