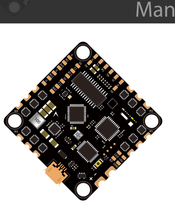
GEPRC

2~6S

GEP-35A-F4

Manual V1.0

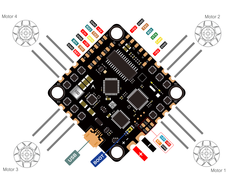


SPECS:

Model Name: GEP-35A-F4
MCU:STM32F411
IMU:MPU6000 gyro/accelerometer(SPI)
Firmware target: GEPRC2411
OSD:Betaflight OSD w/ AT7456Ev
Current: YES
BLS: YES
Power: YES
LED: YES
USB: micro USB
BEC output: 5V@1A

Intergrated LC Filter
ESC MCU: BB2116G
Continuous current: 35A
MAX current: 45A (10s)
Input: 2~6S
Supports: Dshot600,Oneshot,Multishot
Current: 210
Weight: G H 30
Size: 32x32mm Board
Installing Hole: 26.5x26.5mm,M2
Weight: 8.3g

Instruction Diagram

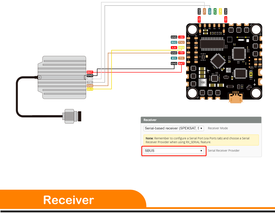


DJI Digital FPV System

Ports

Note: not all combinations are valid. When the flight controller firmware detects this the serial port configuration will be reset.
Note: Do NOT disable MSP on the first serial port unless you know what you are doing. You may have to reflash and erase your configuration if you do.

Identifier	Configuration/MSP	Serial Rx	Telemetry Output	Sensor Input	Peripherals
USB VCP	115200	✓	Disabled AUTO	Disabled AUTO	Disabled AUTO
UART1	115200	✓	Disabled AUTO	Disabled AUTO	Disabled AUTO
UART2	115200	✓	Disabled AUTO	Disabled AUTO	Disabled AUTO
SOFTSERIAL1	115200	✓	Disabled AUTO	Disabled AUTO	Disabled AUTO



Receiver

Ports

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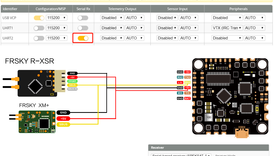
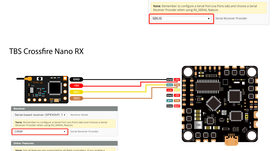
Identifier	Configuration/MSP	Serial Rx	Telemetry Output	Sensor Input	Peripherals
USB VCP	115200	✓	Disabled AUTO	Disabled AUTO	Disabled AUTO
UART1	115200	✓	Disabled AUTO	Disabled AUTO	VTX (IRC Tra AUTO
UART2	115200	✓	Disabled AUTO	Disabled AUTO	Disabled AUTO
SOFTSERIAL1	115200	✓	Disabled AUTO	Disabled AUTO	Disabled AUTO

FRSKY R-XSR

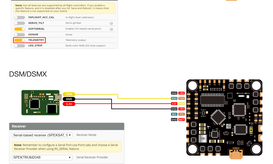
FRSKY XM+



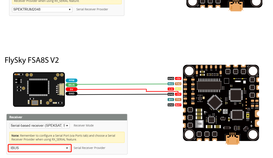
TBS Crossfire Nano RX



DSM/DSMX



FlySky FS4BS V2



Ports

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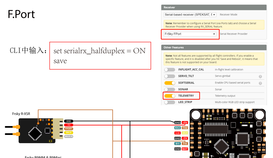
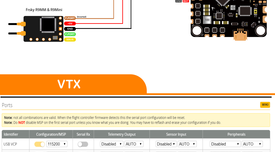
Identifier	Configuration/MSP	Serial Rx	Telemetry Output	Sensor Input	Peripherals
USB VCP	115200	✓	Disabled AUTO	Disabled AUTO	Disabled AUTO
UART1	115200	✓	Disabled AUTO	Disabled AUTO	VTX (IRC Tra AUTO
UART2	115200	✓	Disabled AUTO	Disabled AUTO	Disabled AUTO
SOFTSERIAL1	57600	✓	Disabled AUTO	Disabled AUTO	Disabled AUTO

F.Port

CLI中输入：

```
set serialrx_halfduplex = ON
save
```





VTX

Ports

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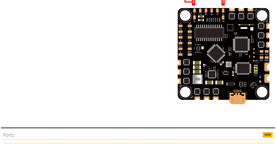
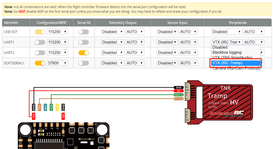
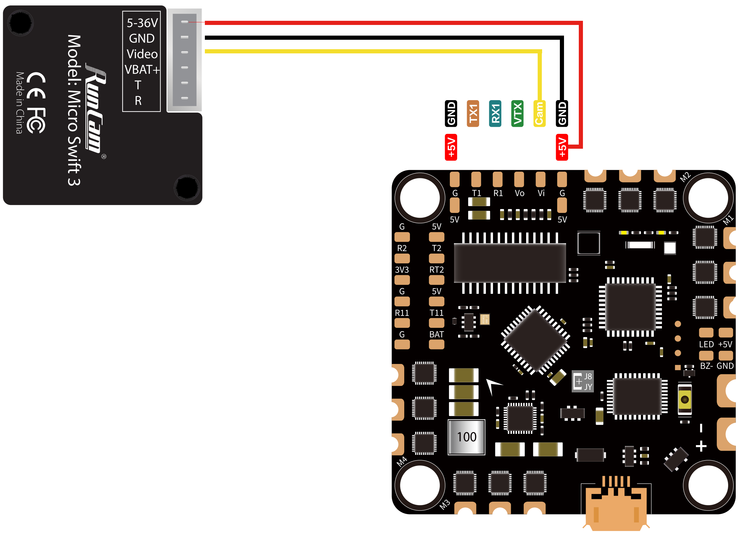
Identifier	Configuration/MSP	Serial Rx	Telemetry Output	Sensor Input	Peripherals
USB VCP	115200	✓	Disabled AUTO	Disabled AUTO	Disabled AUTO
UART1	115200	✓	Disabled AUTO	Disabled AUTO	VTX (TBS Sm AUTO
UART2	115200	✓	Disabled AUTO	Disabled AUTO	Disabled Blackbox logging VTX (TBS Smart Audio) VTX (IRC Tramp) Camera (RunCam Protocol)
SOFTSERIAL1	57600	✓	Disabled AUTO	Disabled AUTO	Disabled AUTO

TBS UNIFY PRO 5G8

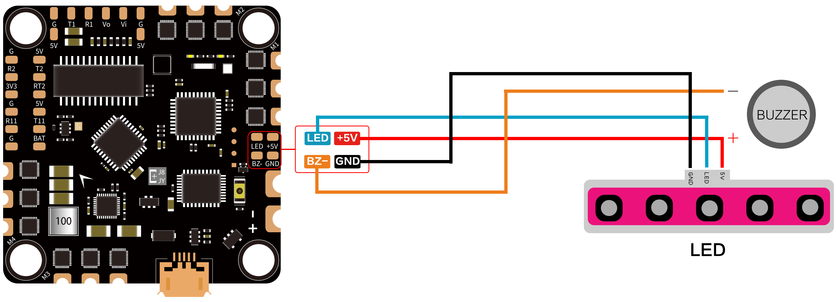




Camera



LED & Buzzer



GPS

Ports

WIKI

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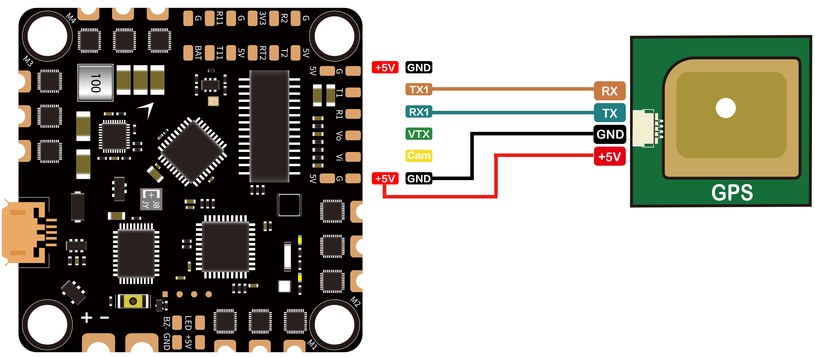
Identifier	Configuration/MSP	Serial Rx	Telemetry Output	Sensor Input	Peripherals
USB VCP	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART1	115200		Disabled AUTO	GPS AUTO	Disabled AUTO
UART2	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
SOFTSERIAL1	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO



Note: Because the flight control UART port is limited, the GPS can only be connected when the UART1 is free, otherwise the GPS will not work properly!

Official website

Manual

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Instagram

GEPRC