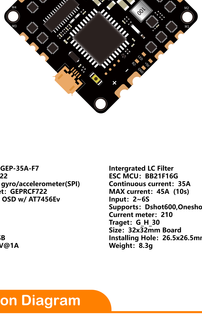
GEPRC

2~6S

GEP-35A-F7

Manual V1.0

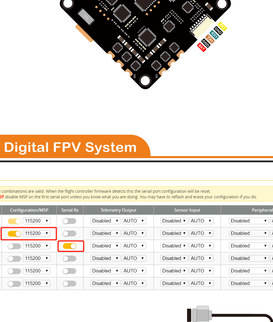


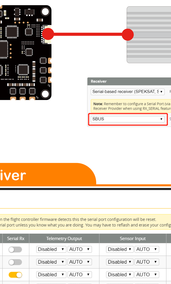
SPECS:

Model Name: GEP-35A-F7
MCU:STM32F722
IMU:MPU6000 gyro/accelerometer(SPI)
Firmware target: GEPRCF722
OSD:Betaflight OSD w/ AT7456Ev
Current: YES
OSD: YES
Beeper: YES
LED: YES
USB: micro USB
BEC output: 5V@1A

Intergrated LC Filter
ESC MCU: BB21F116G
Continuous current: 35A
MAX current: 45A (10s)
Input: 2~6S
Supports: Dshot600,Oneshot,Multishot
Current meter: 210
Traget: G_H_30
Size: 32x32mm Board
Installing Hole: 26.5x26.5mm,M2
Weight: 8.3g

Instruction Diagram





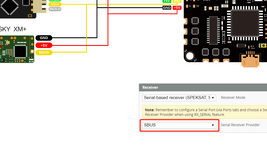
DJI Digital FPV System

Ports

MSP

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
UART3	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART4	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART5	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO



Receiver

Serial-based receiver (SPEKSAT 1 ▾ Receiver Mode

Note: Remember to configure a Serial Port (via Ports tab) and choose a Serial Receiver Provider when using IN_DRAIN, Nativerx

SBUS ▾ Serial Receiver Provider

Receiver

Ports

MSP

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UART2	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART3	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART4	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART5	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO

FRSKY R-XSR

Receiver

Serial-based receiver (SPEKSAT 1 ▾ Receiver Mode

Note: Remember to configure a Serial Port (via Ports tab) and choose a Serial Receiver Provider when using IN_DRAIN, Nativerx

SBUS ▾ Serial Receiver Provider

F.Port

CLI : set serialrx_halfduplex = ON
set serialrx_inverted = ON
save

Receiver

Serial-based receiver (SPEKSAT 1 ▾ Receiver Mode

Note: Remember to configure a Serial Port (via Ports tab) and choose a Serial Receiver Provider when using IN_DRAIN, Nativerx

FrSky FPort ▾ Serial Receiver Provider

Other Features

Note: Not all features are supported by all flight controllers. If you enable a feature that is not supported by your flight controller, it will be disabled. It means that this feature is not supported on your board.

INFLIGHT_ACC_CAL	In-flight level calibration
SERIAL TILT	Servo gimbal
SOFTSERIAL	Enable CPU based serial ports
SONAR	Sonar
TELEMETRY	Telemetry output
LED_STRIP	Multi-color RGB LED strip support

TBS Crossfire Nano RX

Receiver

Serial-based receiver (SPEKSAT 1 ▾ Receiver Mode

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CRSF ▾ Serial Receiver Provider

Other Features

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INFLIGHT_ACC_CAL	In-flight level calibration
SERIAL TILT	Servo gimbal
SOFTSERIAL	Enable CPU based serial ports
SONAR	Sonar
TELEMETRY	Telemetry output
LED_STRIP	Multi-color RGB LED strip support

FlySky FSA8S V2

Receiver

Serial-based receiver (SPEKSAT 1 ▾ Receiver Mode

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SBUS ▾ Serial Receiver Provider

VTX

Ports

WIKI

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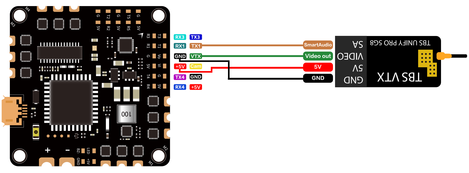
UART1	115200		Disabled AUTO	Disabled AUTO	VTX (TBS Smo AUTO
UART2	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART3	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART4	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART5	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO

TBS UNIFY PRO 5G8



Ports

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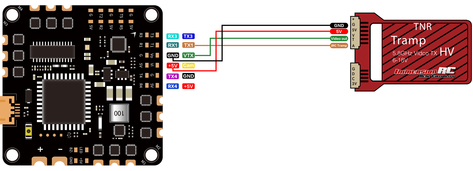
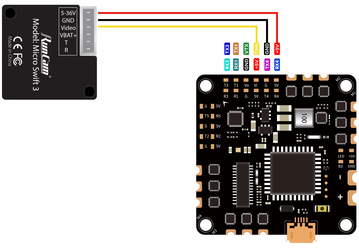
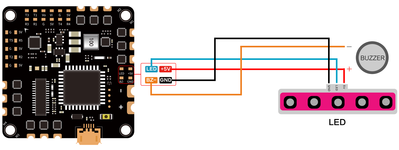
UART3	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART4	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART5	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO



Camera



LED & Buzzer



GPS

Ports

WIKI

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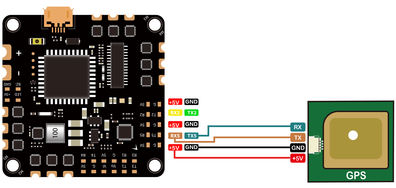
UART3	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART4	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART5	115200		Disabled AUTO	GPS AUTO	Disabled AUTO



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GEPRC