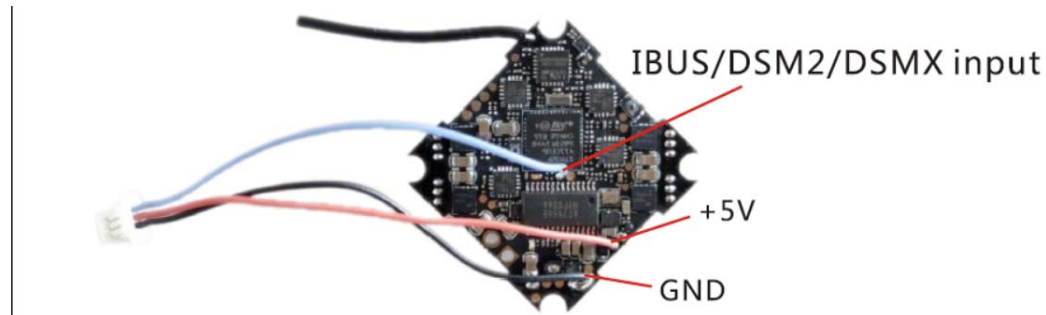


How to add flysky ibus receiver or Specturm dsm2/dsmx receiver

1. Weld the signal pin of the ibus or dsm2/dsmx receiver to RX1 pad of the flight controller



2. Enable Serial_RX for UART1 and VTX(TBS_Smartaudio for UART2) ,then choose the serial-based receiver for receiver mode in the configuration of Betaflight, and then choose the correct receiver provider based on your receiver brand .

Ports

WIKI

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	<input checked="" type="checkbox"/> 115200 ▼	<input type="checkbox"/>	Disabled ▼ AUTO ▼	Disabled ▼ AUTO ▼	Disabled ▼ AUTO ▼
UART1	<input type="checkbox"/> 115200 ▼	<input checked="" type="checkbox"/>	Disabled ▼ AUTO ▼	Disabled ▼ AUTO ▼	Disabled ▼ AUTO ▼
UART2	<input type="checkbox"/> 115200 ▼	<input type="checkbox"/>	Disabled ▼ AUTO ▼	Disabled ▼ AUTO ▼	VTX (TBS Smx) ▼ AUTO ▼

Receiver

Serial-based receiver (SPEKSAT, S) ▼ Receiver Mode

Note: Remember to configure a Serial Port (via Ports tab) and choose a Serial Receiver Provider when using RX_SERIAL feature.

IBUS ▼ **For Flysky ibus receiver**
Serial Receiver Provider

Receiver

Serial-based receiver (SPEKSAT, S) ▼ Receiver Mode

Note: Remember to configure a Serial Port (via Ports tab) and choose a Serial Receiver Provider when using RX_SERIAL feature.

SPEKTRUM1024 ▼ **For DSM2 Receiver**
Serial Receiver Provider

Receiver

Serial-based receiver (SPEKSAT, S) ▼ Receiver Mode

Note: Remember to configure a Serial Port (via Ports tab) and choose a Serial Receiver Provider when using RX_SERIAL feature.

SPEKTRUM2048 ▼ **For DSMX Receiver**
Serial Receiver Provider