

Add external SBUS Receiver (XM+, FD800, AC800 and etc,,)

1. Solder the signal of your SBUS receiver to **IRX1** pad on the flight controller
2. Enable Serial_RX for UART1 and select “Serial-based receiver” from the receiver Mode tab, then Choose **SBUS** for the Serial Receiver Provider

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.

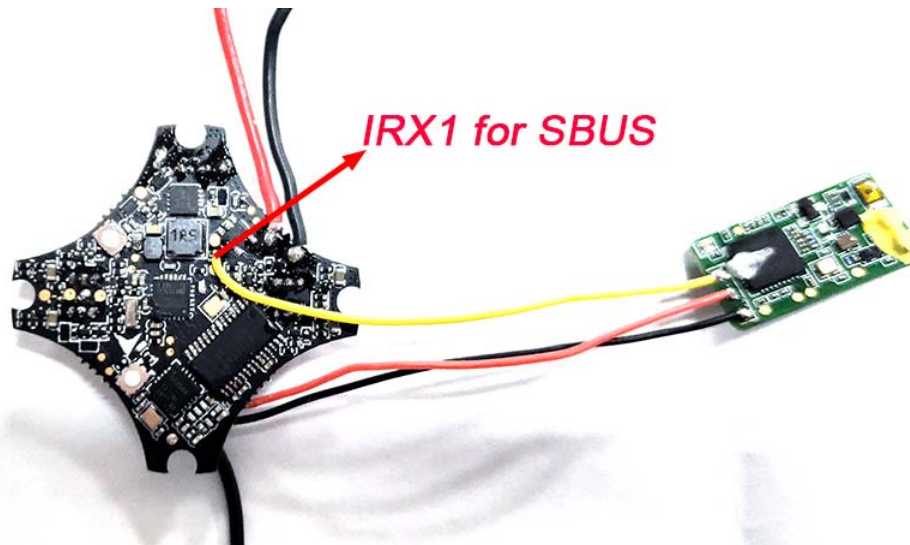
Identifier	Configuration/MSP	Serial Rx	Telemetry Output	Sensor Input	Peripherals
USB VCP	<input checked="" type="checkbox"/> 115200 ▾	<input type="checkbox"/>	Disabled ▾ AUTO ▾	Disabled ▾ AUTO ▾	Disabled ▾ AUTO ▾
UART1	<input type="checkbox"/> 115200 ▾	<input checked="" type="checkbox"/>	Disabled ▾ AUTO ▾	Disabled ▾ AUTO ▾	Disabled ▾ AUTO ▾
UART2	<input type="checkbox"/> 115200 ▾	<input type="checkbox"/>	Disabled ▾ AUTO ▾	Disabled ▾ AUTO ▾	VTX (TBS Sm ▾ 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.

SBUS ▾ Serial Receiver Provider



Add external IBUS Receiver (A8S,FS82,RX-2A pro, FLI14+ and etc,,)

1. Solder the signal of your IBUS receiver to **RX1** pad on the flight controller
2. Enable Serial_RX for UART1 and select “Serial-based receiver” from the receiver Mode tab, then Choose **IBUS** for the Serial Receiver Provider

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.

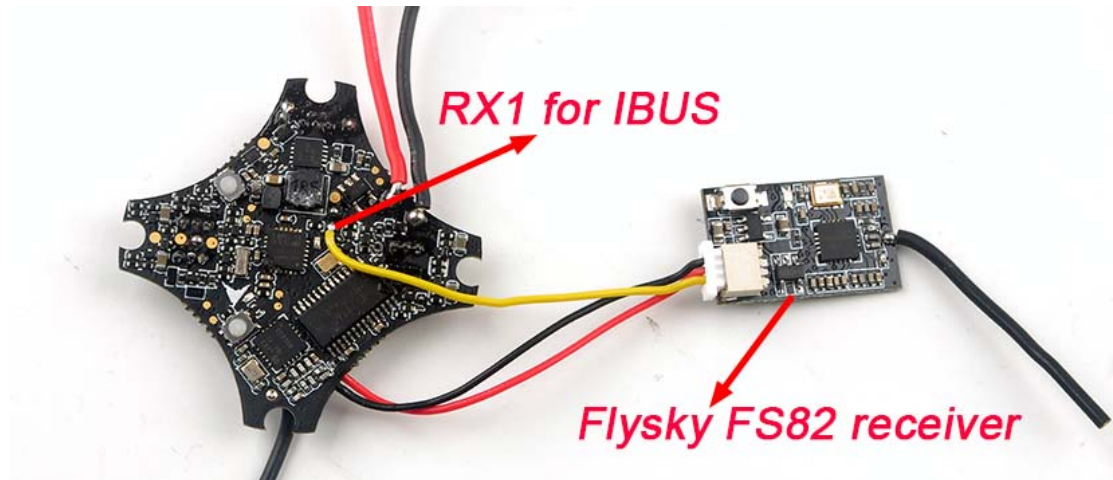
Identifier	Configuration/MSP	Serial Rx	Telemetry Output	Sensor Input	Peripherals
USB VCP	<input checked="" type="checkbox"/> 115200 ▾	<input type="checkbox"/>	Disabled ▾ AUTO ▾	Disabled ▾ AUTO ▾	Disabled ▾ AUTO ▾
UART1	<input type="checkbox"/> 115200 ▾	<input checked="" type="checkbox"/>	Disabled ▾ AUTO ▾	Disabled ▾ AUTO ▾	Disabled ▾ AUTO ▾
UART2	<input type="checkbox"/> 115200 ▾	<input type="checkbox"/>	Disabled ▾ AUTO ▾	Disabled ▾ AUTO ▾	VTX (TBS Sm ▾ AUTO ▾

Receiver

Serial-based receiver (SPEKSAT, ε ▾) Receiver Mode

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

IBUS ▾ Serial Receiver Provider



Add external DSM2/DSMX Receiver (SP09X or other DSM2/DSMX receiver)

1. Solder the signal of your IBUS receiver to **RX1** pad on the flight controller
2. Enable Serial_RX for UART1 and select “Serial-based receiver” from the receiver Mode tab, then Choose **SPEKTRUM1024/SPEKTRUM2048** for the Serial Receiver Provider

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 Smk ▾ 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.

DSMX Transmitter Setup

SPEKTRUM2048 ▾ 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.

DSM2 Transmitter setup

SPEKTRUM1024 ▾ Serial Receiver Provider

