First, setup your RX to EX-Bus, here for a REX3:

Go to the Device Explorer and change the Pinout for your port you will use to EX-Bus. (only E1 or E2 will support EX Bus)

Tx Standard	9:40:30 91%	Tx Standard 9:41:	08 91%	Tx Standard	9:41:15 91%
Device	Explorer	Duplex REX3		REX3	Pin Config
REX3 RC Switch	✓ >> >>	General Settings Fail-Safe Alternative Pin Config Receiver Outputs Reset to factory defaults	>> >> >>	<< Back Output pin 1. 2./E1 3./I ² 2	Function Servo ▼ Servo ▼ EX Bus ▼
(((c • • •)))	C (∰acm) Ok	Back 🗙 🗘 🛱	<mark>, MD</mark> Ok	Ext Back 🗙	JETIBOX/Sensor ▼ C D CMD Ok

Then connect your signal wire from the RX to a free $\underline{UART TX}$ port of your FC.

(Here on a OmnibusF7V2 soldered to UART3 TX, the pictures serve only as an example. In the next step I use UART 2)





Second, setup BF higher 4.0.0:

Go to the "PORTS" tab and activate Serial Rx on the UART you want to use. (In my case UART2)

🖌 Setup	Ports			
😰 Ports				
Configuration	Note: not all combi Note: Do NOT disa	inations are valid. When the flight controll ble MSP on the first serial port unless you	er firmware detects t know what you are (his the serial port configuration will be reset. doing. You may have to reflash and erase your configu
🖾 Power & Battery				
🐨 Failsafe	Identifier	Configuration/MSP	Serial Rx	Ielemetry Output
•	USB VCP	115200 🔻		Disabled V AUTO V
ភ្លំ PID Tuning	UART1	115200 🔻		Disabled V AUTO V
🤖 Receiver		115200 -		
🖀 Modes	UARIZ	115200		Disabled V AUTO V
↓ It Adiustments	UART3	115200 🔻		Disabled V AUTO V
	UART4	115200 🔻		Disabled • AUTO •
Tervos		115200 -		
💧 Motors	UARTS	115200		Disabled V AUTO V
os OSD	UART6	115200 🔻		Disabled V AUTO V

Don't forget to hit SAVE AND REBOOT

Go to the "Configuration" Tab and Setup the Receiver

🖌 Setup	Craft name
🖌 Ports	
Configuration	Camera
🖾 Power & Battery	0 PPV Camera Angle [degrees]
💎 Failsafe	
よ PID Tuning	Receiver
📩 Receiver	Serial-based receiver (SPEKSAT, 5 Receiver Mode
🖀 Modes	Note: Remember to configure a Serial Port (via Ports tab) and choose a Serial Receiver Provider when using RX_SERIAL feature.
🕌 Adjustments	JETIEXBUS Serial Receiver Provider
╆ Servos	

Next, if u want to use Telemetry, select it in the "Other Features"

🗲 Setup	^	Other Features	
🖌 Ports		Note: Not all features are supported by all flight controllers. If you enable a specific feature, and it is you bit is way and Reheat is means that this feature is not supported on your board.	s disabled after
Configuration		you hit save and keboot, it means that this feature is not supported on your board.	
🖾 Power & Battery		INFLIGHT_ACC_CAL In-flight level calibration	
🐨 Failsafe		SERVO_TILT Servo gimbal	0
+ PID Tuninσ		SOFTSERIAL Enable CPU based serial ports	0
		SONAR Sonar	
no Receiver		TELEMETRY Telemetry output	
🖀 Modes		LED_STRIP Multi-color RGB LED strip support	
∔ ↓† Adjustments		DISPLAY OLED Screen Display	0
╆ Servos		CHANNEL_FORWARDING Forward aux channels to servo outputs	
🛔 Motors		TRANSPONDER Race Transponder	0
oso OSD		AIRMODE Permanently enable Airmode	
^(ආ) Video Transmitter		On Screen Display	
🗍 LED Strip		ANTI_GRAVITY Temporary boost I-Term on high throttle changes	
-1- Sensors		DYNAMIC_FILTER Dynamic gyro notch filtering	

And again, hit SAVE AND REBOOT

And last, open the Receiver Tab and confirm your movements of the Transmitter.

🖌 Setup	Receiver	
🖌 Ports		
Configuration	Please read receiver of	chapter of the documentation. Configure serial port (if required), receiver mode (serial/ppm/pwm), pro
🖾 Power & Battery	IMPORTANT: Before	flying read failsafe chapter of documentation and configure failsafe.
💎 Failsafe	Roll [A]	14 <mark>99</mark>
	Pitch [E]	1500
ሔ PID Tuning	Yaw [R]	1500
💩 Receiver	Throttle [T]	1000
	AUX 1	1500
🖀 Modes	AUX 2	1000
III Adjustments	AUX 3	2000
	AUX 4	15 <mark>00</mark>
音 Servos	AUX 5	1000
Motors	AUX 6	1000
	AUX 7	1000
osd OSD	AUX 8	1630
(ም) Video Transmitter	AUX 9	1000
	AUX 10	1000
👖 LED Strip	AUX 11	1000
Sensors	AUX 12	15 <mark>00</mark>

Notice, you can use up to 16 Channels. Use no mixers in the Transmitter.

Tx	Standard		10:03:27	†95%
	M	ode	I	
👅 Se	elect Model			
-∰ N	ew Model			
±Βa	asic Proper	ties		
🛋 M	lodel Image	& (Colors	
i∦ Fu	unctions As	sigr	nment	
👘 Se	ervo Assign	mei	nt	
				1

Tx	Standard	Standard 🔳 10:04:05			
	Functio	ons Ass	ignmen	t	
	Function	Control	Trim Tr	im-Max	
4	Throttle 🕻	7 P2	🔻	Ī	
5	Mode 🖌	Sf Sf	🔻		
6	Arm 🖌	j Si	🔻	ľ	
7	RSSI 💈	Mx1	🔻		
8	Beeper 💈	ິ Sd	🔽		
^	<u>л</u> г А	8 c. [ा ज	Ŧ	
	Auto	Add	Del.	Ok	

That's all, have fun and happy flying.

Tested receivers: R9, RSAT2, REX3, REX10

Here is a list of the receivers that supports EX-Bus:

	REX 6	REX 7	REX 10	REX 12
Pin1	Y1	¥1	¥1	¥1
Pin2	Y2	Y2	Y2	¥2
Pin3	Y3	Y3	Y3	Y3
Pin4	¥4	Y4	¥4	¥4
Pin5	Y5/E1	Y5	Y5	¥5
Pin6	Y6/E2	Y6/E1	¥6	Y6
Pin7	Ext.	Y7/E2	¥7.	¥7
Pin8		Ext.	Y8/E2	Y8/E2
Pin9			Y9	¥9
Pin10			Y10	Y10
Pin11			Bat.	Y11
Pin12			Bat.	¥12
Pin13			E1	E1
Pin14			Ext.	Ext.

Here for REX-Type receivers. Yellow ports are the EX-Bus ports.

Only E1 and E2 can output EX-Bus.

	R4, R4C	R5L	R6, R6 EPC	R6F, R6G	R7, R7 indoor	R8,R8 EPC	R9	R10	R11 EPC	R12 EPC	R14	R18	R sat2	Here for R All R-Type
Y1	•	•	•	•/°F	•	•	•	•	•	•	•	•		
Y2	•	•	•	•	•	•	•	•	•	•	•	•		The Ex-Bu
Y3	•	•	•	•/°G	•	•	•	•	•	•	•	•		reciever S
¥4	•/°	•	•	•	•	•	•	•	•	•	•	•		
¥5		•/°	•	•	•	•	•	•	•	•	•	•		lfu can't s
¥6			•/°	•	•	•	•	•	•	•	•	•		
¥7					•/°	•	•	•	•	•	•	•		Explorer, r
¥8						•/°	•	•	•	•	•	•		Firmware
¥9							•	•	•	•	•	•		newest .bi
Y10								•	•	•	•	•		
Y11									•/°	•	•	•		TX all at
Y12										•/°/*	•	•		
Y13											•	•		
¥14											•	•		
Y15												•		Serial Lin
¥16												•		JETIBOX/EX B
Y17												•/°/*		General S
Y18												•/*		Fail-Safe
SAT1							°/*	*		*	*			Alternati
SAT2								°/*			°/*			Receiver
РРМ													•	Reset to f
- sei	r vo , °	- PPI	/ out	put/U	IDI, *	- PPM	linpu	ıt						Back

Here for R-Type receivers. All R-Type are support Ex-Bus

The Ex-Bus out is at the EXT-Port of the reciever. Set it up in the Device Explorer.

If u can't select EX-Bus in the Device Explorer, maybe you must update your Firmware of the RX and look for the newest .bin file for the device.

Standard 12:22:27 64% Duplex R3-EX Link EX Bus

Serial	.ITIK		EX	bus 📺
JETIBOX/E	X Bus pin:	Ext.		
Genera	al Setting	s		>>
Fail-Sa		>>		
Altern		>>		
Receiv	er Outpu	ts		>>
Reset t	o factory	default	5	
Back	× 1	S	СМД	Ok