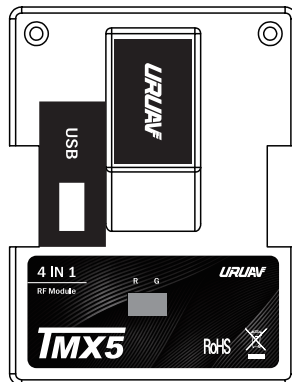


Instruction Manual for URUAV TMX5

Overview

This 2.4G Multi-protocol TX Module is STM32 ARM microcontroller based module. All available protocols are included. It is suitable for many brand of quadcopters, helicopters and airplanes. This module integrate four RF chips (CC2500,NRF24L01,A7105,CYRF6936) into one single circuit board, it. supports a variety of remote control protocols, such as S-FHSS, Walkera DEVO, Spektrum DSM2, DSMX, Flysky, FrSky, WLToys, Hubsan, Hisky, Esky, Assan etc. You can control your craft flexibility with it, and you will get much excellent experience with your favorite transmitter.



Specification

- Brand Name: URUAV
- Item Name: TMX5
- Operating Voltage: 5-14V
- Operating Current: <=100mA
- Operating Frequency: 2.4G ISM band
- RF Power: +22dBm
- MCU: STM32F103CBT6(128K ROM, 20K RAM)
- Weight: 45g

Feature

Transmitter that supports the er9X/erSky9X or Open TX firmware can work with the module, The model protocol selection and binding is done from the Model Settings menu on the transmitter, For telemetry capable transmitters, the telemetry integration is done seamlessly with the transmitter firmware.

For more information, Please refer to the Link below.

<https://github.com/pascallanger/DIY-Multiprotocol-TX-Module>

https://github.com/pascallanger/DIY-Multiprotocol-TX-Module/blob/master/Protocols_Details.md

How to use

1. Refer to the website above, update your transmitter with proper firmware.
2. Screw down the antenna of module tightly, and then install TX Module to the module bay of your transmitter.
3. Power on your transmitter, enter Model Settings menu, turn on External RF , and select 'MULT' mode, then you will see the bind and protocol button in the menu, and then you can choose a proper protocol for you model and bind with it now.

Notice

- The jumpers and header attached is used for updating firmware of TX module through USB serial cable. Please remove them for normal use..
- Sometimes, you may need a power recycle when you choose a new protocol. for example, protocol changes from Q303 to HISKY.
- For FRISKY and S-FHSS protocol, you may need set the value of Fine or Option (in the Model Settings menu) properly to bind with your model. The value is varied, since it's partly depended on your model.

Package included

- 1 x TMX5 Module

All Available Protocols

Protocol	Sub_protocol	Auto Bind	Option	RF Chip	Reference
FLYSKY		NO	0	A7105	FLYSKY AFHDS
HUBSAN		YES	0	A7105	HUBSAN
AFHDS2A	PWM_IBUS	NO	0	A7105	FLYSKY AFHDS2A
AFHDS2A	PPM_IBUS	NO	0	A7105	FLYSKY AFHDS2A
AFHDS2A	PWM_SBUS	NO	0	A7105	FLYSKY AFHDS2A
AFHDS2A	PPM_SBUS	NO	0	A7105	FLYSKY AFHDS2A
FRSKYD		NO	-10	CC2500	FRSKY D8
FRSKYX	CH_16	NO	-10	CC2500	FRSKY D16
FRSKYX	CH_8	NO	-10	CC2500	FRSKY D16
FRSKYV		NO	-10	CC2500	
S-FHSS		NO	10	CC2500	
DSM	DSM2_22	NO	6	CYRF6936	DSM2,22mS
DSM	DSM2_11	NO	6	CYRF6936	DSM2,11mS
DSM	DSM2_22	NO	6	CYRF6936	DSMX,22mS
DSM	DSM2_11	NO	6	CYRF6936	DSMX,11mS
DEVO		NO	0	CYRF6936	walkera
J6PRO		NO	0	CYRF6936	Nine eagles
HISKY	Hisky	NO	0	NRF24L01+	Hisky
HISKY	HK310	NO	0	NRF24L01+	
V2X2		NO	0	NRF24L01+	
YD717	YD717	NO	0	NRF24L01+	
YD717	SKYWLR	NO	0	NRF24L01+	
YD717	SYMAX4	NO	0	NRF24L01+	SYMA
YD717	XINXUN	NO	0	NRF24L01+	XINXUN
YD717	NIHUI	NO	0	NRF24L01+	NIHUI
KN	WLTOYS	NO	0	NRF24L01+	WLTOYS
KN	FEILUN	NO	0	NRF24L01+	FEILUN
SYMAX	SYMAX	NO	0	NRF24L01+	SYMA
SYMAX	SYMAX5C	NO	0	NRF24L01+	SYMA
SLT		NO	0	NRF24L01+	
CX10	CX10_GREEN	NO	0	NRF24L01+	CX
CX10	CX10_BLUE	NO	0	NRF24L01+	CX
CX10	DM007	NO	0	NRF24L01+	CX
CX10	Q282	NO	0	NRF24L01+	CX
CX10	JC3015_1	NO	0	NRF24L01+	CX
CX10	JC3015_2	NO	0	NRF24L01+	CX
CX10	MK33041	NO	0	NRF24L01+	CX
CX10	Q242	NO	0	NRF24L01+	CX
CG023	CG023	NO	0	NRF24L01+	
CG023	YD829	NO	0	NRF24L01+	
CG023	H8_3D	NO	0	NRF24L01+	
BAYANG		NO	0	NRF24L01+	
ESKY		NO	0	NRF24L01+	ESKY
MT99XX	MT99	NO	0	NRF24L01+	
MT99XX	H7	NO	0	NRF24L01+	
MT99XX	YZ	NO	0	NRF24L01+	
MT99XX	LS	NO	0	NRF24L01+	
MJXQ	WLH08	NO	0	NRF24L01+	MJX
MJXQ	X600	NO	0	NRF24L01+	MJX
MJXQ	X800	NO	0	NRF24L01+	MJX
MJXQ	H26D	NO	0	NRF24L01+	
MJXQ	E010	YES	0	NRF24L01+	E010/JJRC H36
SHENQI		NO	0	NRF24L01+	
FY326		NO	0	NRF24L01+	
FQ777		NO	0	NRF24L01+	
ASSAN		NO	0	NRF24L01+	
HONTAI	FORMAT_HONTAI	NO	0	NRF24L01+	
HONTAI	FORMAT_JJRCX1	NO	0	NRF24L01+	
HONTAI	FORMAT_X5C1	NO	0	NRF24L01+	
HONTAI	FORMAT_FQ777_951	NO	0	NRF24L01+	