

Dane aktualne na dzień: 09-08-2025 09:42

Link do produktu: <https://www.nobshop.pl/nadajnik-wideo-vtx-mamba-ultra-1000-m3-p-3157.html>



Nadajnik wideo VTX MAMBA Ultra 1000 M3

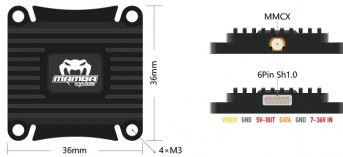
Cena brutto	159,99 zł
Cena netto	130,07 zł
Dostępność	Aktualnie niedostępny
Czas wysyłki	1 - 3 dni
Kod producenta	JH60301
Kod EAN	JH60301
Producent	DIATONE

Opis produktu

ULTRA 1000

User's Manual

Wiring Diagram



Port	Definition	Wiring
7-36V IN	7-36V DC input	Connect to the 7-36V output
5V-OUT	5V(IAMax)	5V power supply for other devices
GND	Ground wire	Connect to the power ground wire

Port	Definition	Wiring
DATA	VTX IRC	Connect to the UART TX port of FC. Switch on the IRC protocol to control the Channel, Band, and Power of the VTX via OSD
VIDEO	Video in	Connect to the Video Output of FC

Basic Setting

Connect Tiny Ultra to the UART TX port of FC.
Switch on the IRC protocol to control the Channel, Band, and Power of the VTX via OSD

Follow the steps to set the VTX control (For Betaflight)

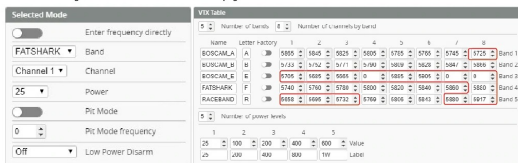
1.Connect the FC and VTX according to the diagram. Switch on the "OSD" function

⚠ The antenna must be properly installed (Power on the VTX without the antenna may cause damage to the VTX)



2.Switch the correspondingly
UART "Peripherals" → "VTX (IRC)" function

3.Make settings as follow in "Video Transmitter" page



Or download "Ultra 1000.json", click "Load from file" and choose the file to load.

[Save Lua Script](#) [Save to file](#) [Load from file](#) [Load from clipboard](#) [Save](#)

Caution:

- Channels marked red require a HAM certificate. Please fill in "0".
- or load "Ultra no ham.json" if you are not authorized.
- Some frequencies and transmitting power may violate local laws in some countries or regions. Please use them according to the actual situation.

4.Reboot the FC when complete setting.

Channel/Power Adjustment

- Make sure the VTX has been connected and to FC and set correctly.
- Power on the VTX and FC, turn on video receiver and transmitter.
- Search for the current VTX channel by video receiver.
- Move the stick as follow: THROTTLE MID+YAW LEFT+PITCH UP to enter OSD menu.
- Switching PITCH up/down to choose menu option. Move the cursor to "FEATURES" and stir Roll stick right to enter "VTX" menu.
- Move the cursor to "SET", ROLL stick right to enter "SET" and choose "YES" to save the settings. The VTX will switch to the chosen channel.
- Adjust the VTX receiver to current channel.
- Save & Exit the OSD menu.



⚠ Please disable IRC in betaflight
Configuration enable onboard control button.

Default Setting:

The VTX has been set to 5740 and 25mW as default. The FREQs marked by red are locked(frequency table below).Please unlock the VTX by following steps for full functions. Unlocking the VTX may cause legal risks. The company is not responsible for the risks.

• Unlock:

Press and hold 15 seconds to lock/unlock all FREQs and power
Locked: R1 LED (red) stays on
Unlocked: R1 LED (red) flashes

• Pit Mode:

The power level will be set to 3mW when pit mode on.
The VTX can be set almost without affecting others.
Activate Pit mode
1. Double click the button to activate Pit mode(Red R1 led off)
Double click again to deactivate pit mode
2. Activate pit mode in OSD menu

• LED Indication:

Band: Flashing indicates of the blue LED (FR) shows the current band
FREQ: LED indications of green leds (C1/C2/C3) shows the current frequency
Power level: Flashing indicates of the red LED (R1) shows the current power level



• Vtx setting

Band setting: Press and hold for 2 seconds to enter band setting
(Only blue led flashes), then short press to change the band
Freq setting: Short press to change the Freqs

• Power setting:

25/200/400/800/1000mW are available for the VTX. Please set according to the actual environment, laws and regulations
Press and hold for 6 seconds to enter Power Level setting (Only Red R1 led flashes), then short press to set the power level, Setting parameters will be saved automatically after standing for 5 seconds.

Freq Table

Frequency Table(MHz)		CH							
		C1 C2 C3		CH1		CH2		CH3	
FR(C4)									
A	1 Time	5865	5845	5825	5805	5785	5765	5745	5725
B	2 Times	5733	5752	5771	5790	5809	5828	5847	5866
C	3 Times	5705	5685	5665	5645	5885	5905	5925	5945
D	4 Times	5740	5760	5780	5800	5820	5840	5860	5880
E	5 Times	5658	5695	5732	5769	5806	5843	5880	5917
		off		on		Flash			

Caution:

- Channels marked red require a HAM certificate.
- Some frequencies and transmitting power may violate local laws in some countries or regions. Please use them according to the actual situation.

Specifications

- Voltage: 7-36V
- Current: 450mA (12V/1000mW)
- Working Temp: -10~60°C
- Input Impedance: 75Ω
- Weight: 14.5g
- Size: 36mm×36mm×6.5mm
- Mounting: 30.5×30.5/ M3
- Antenna connector: MMCX
- Video format: NTSC / PAL
- Power: 25mW/200mW/400mW/ 800mW/1000mW
- Control protocol: IRC

Features

- High power and stable output, long range transmit;
- 5 available transmit power level:25mW/200mW/ 400mW/800mW/1000mW;
- No sweeping when powering on;
- Self-check when powering on;
- Support NTSC/PAL;
- Wide range voltage input and low power consumption:7V~36V, +12V/450mA@1000mW;
- CNC shell, protect the VTX, high efficiency radiating, stable transmit power;

Specification:

Working Voltage: 7- 36V

Working Current: **450mA (12V/1000mW)**

Working Temp: -10~60 °C

Video Input Impedance: 75Ω

Size: 36×36×6.5mm

Antenna Connector: MMCX

Video Format: NTSC / PAL □□□IRC

Output Power: 2**5mw/200mw/400mw/800mw/1000mw/**

Supply :

MMCX -SMA feeder×1

6pin wire×2