

OddityRC Red Giant 5.8G 2.5W VTX

Features:

1. Automotive-grade components provide extremely strong reliability.
2. Using digital phase-locked loop circuit, no temperature drift.
3. High speed silent cooling fan and aluminum shell provides efficient heat dissipation.
4. Compact but can provide high transmission power.

Specifications:

Power levels: PIT/250mW/650mW/1000mW/1600mW/2000mW/2500mW

Mounting pattern: 20*20mm/Φ1.6mm

Dimensions: 41*30*13mm

Interface: MMCX

Cable: SH1.0 6P

VTX telemetry: /

Channels: 64CH

Power levels: 7

Working current with 12V input: 700mA-900mA

Max working power: 10W

Output power: >34dbm(2.5W)

Weight: 22g

Ports:

DC-IN: 2-8S, 7-36V Positive Input (12V is recommended)

GND: Ground

Video: Video signal input

DATA: TBS Smartaudio Control

GND: Ground

5V-OUT: 5V voltage output

Attention:

1. Please read the instruction manual for proper wiring before installation.
2. Make sure that the antenna has been properly installed before powering on, otherwise the VTX will be irreversibly damaged.
3. Consider the air flow around the VTX during installation, otherwise the power will be reduced.

Wiring Diagram:



Frequency table:

VTX Table										
		Number of bands		Number of channels by band						
Name	Letter	Factory	1	2	3	4	5	6	7	8
A			5865	5845	5825	5805	5785	5765	5745	5725
B			5733	5752	5771	5790	5809	5828	5847	5866
E			5705	5685	5665	5645	5885	5905	5925	5945
F			5740	5760	5780	5800	5820	5840	5860	5880
R			5658	5695	5732	5769	5806	5843	5880	5917
L			5362	5399	5436	5473	5510	5547	5584	5621
V			5975	5965	5935	5895	5875	5835	5715	5675
C			5635	5600	5565	5530	5490	5455	5420	5180

4 Number of power levels				
1	2	3	4	
0	1	2	3	Value
0	0.8	1.6	2.5	Label

FC Setup:

enable the corresponding VTX(TBS Smartaudio) on UART port

Ports									
<small>Note: not all combinations are valid. When the flight controller firmware detects this it will log an error message. Note: Do NOT shutdown MCP on the first serial port unless you know what you are doing. This may have to refresh and erase your configuration if you do.</small>									
UVE-VIF		1	HIGH						
UART1		2	LOW						
UART2		3	HIGH						
UART3		4	LOW						
UART4		5	HIGH						
UART5		6	LOW						
UART6		7	HIGH						
UART7		8	LOW						

Button Operation:

1. Channel button

By pressing the frequency button you can cycle through the 64 frequency bands.

2. Power button

short press the power button, the LED light will change in different colors to indicate different output power level.

First, press the power button several times to turn off all the lights. This is PIT mode. Then press the power button again and the power level will increase. The maximum power level is 6(2500mW) and after that it will go back to PIT mode.

Packing List:

