

PRODUCT SPECIFICATION

Input Voltage	12-28V, 6S battery is suggested		
Output Voltage	5V		
Channels	80CH		
Power	Alpha 4	25mW/1W/2W/3W/4W	
	Alpha 5	25mW/1W/2W/3W/5W	
	Alpha 8	25mW/1W/3W/5W/8W	
	Alpha 10	1W/3W/5W/7W/10W	
Power Consumption	Alpha 4	12V/1.5A 28V/700mA	
	Alpha 5	12V/1.7A 28V/800mA	
	Alpha 8	12V/2.5A 28V/1A	
	Alpha 10	12V/2.8A 28V/1.1A	
Extra Feature	Smart Audio/Built-in cooling fan+heat sink		
Mounting Hole	30.5*30.5mm		
Antenna Connector	SMA		
Cable Connector	JST 8pin (Dual 12-28V Input and Dual GND)		
Weight	48g		
Size	68*36*15mm		

AKK ALPHA

Product Instruction Manual



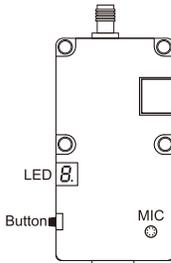
ALPHA 4

ALPHA 5

ALPHA 8

ALPHA 10

PRODUCT SPECIFICATION



Due to high power consumption and high current, we use dual 12-28V power input cables and dual ground cables.

Notice:
Dual cables must be soldered to correct pads. You can't just solder one of the dual cables.

⚠️ Plug the Antenna Connector and Antenna Before Powering On the VTX!

⚠️ Please do not remove heat sink!

Please mount the VTX on the uppermost layer of the drone frame to maintain enough airflow for heat dissipating.

This VTX supports pit mode, you can enter or exit pit mode via betaflight, or you can exit pit mode by pressing button for 15 seconds. If you do not exit pit mode, the VTX will still be in pit mode next time it is powered on.

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Channel
Select channels 1/2/3/4/5/6/7/8 by simple short presses.

Band
Press button for 3 seconds until the English letter flashes in LED, then short press to select band A/b/E/F/r/P/L/U/O/X.

Power
Press button for 6 seconds until the number quick flashes in LED, then short press to select power.

Power	1	2	3	4	5
Alpha 4	25mW	1W	2W	3W	4W
Alpha 5	25mW	1W	2W	3W	5W
Alpha 8	25mW	1W	3W	5W	8W
Alpha 10	1W	3W	5W	7W	10W

The LED will display "band" "channel" "power" successively after setting.

Notice: LED flashes a number 2 times quickly while displaying power. For example:
For the Alpha 4, "1" flashes 2 times means "25mW".
For the Alpha 10, "5" flashes 2 times means "10W"

Band	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8
Band A	5865	5845	5825	5805	5785	5765	5745	5725
Band b	5733	5752	5771	5790	5809	5828	5847	5866
Band E	5705	5685	5665	5645	5885	5905	5925	5945
Band F	5740	5760	5780	5800	5820	5840	5860	5880
Band r	5658	5695	5732	5769	5806	5843	5880	5917
Band P	5653	5693	5733	5773	5813	5853	5893	5933
Band L	5333	5373	5413	5453	5493	5533	5573	5613
Band U	5325	5348	5366	5384	5402	5420	5438	5456
Band O	5474	5492	5510	5528	5546	5564	5582	5600
Band X	4990	5020	5050	5080	5110	5140	5170	5200