PRODUCT SPECIFICATION

Input voltage	19V to 28V, 3A
Extra features	Smart audio
Power supply	5V Camera @ under 500mA max.
Output power	25mW/1W/3W/5W/8W/16W
Microphone	Not supported
Antenna connector	SMA
Cable connector	JST, 6pin
Dimensions	68*36*15mm, 30.5 x 30.5mm (hole)
Weight	56g (excluding antenna)
Kit contents	1x VTX,1x cable, 1x pigtail
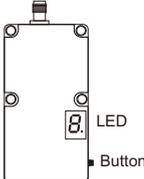
LED

Button

5V-OUT
GND
VIDEO
TBS

Due to high power consumption and high current, we use dual 19-28V 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.

Peak operating current: 3A
(ensure that the power supply can carry more than 4A)

ALPHA 16

Product Instruction Manual

AKK

ALPHA 16

5V-OUT
GND
VIDEO
TBS
Dual Power GND
Dual 19-28V IN

A16

PRODUCT SPECIFICATION

Key features

- Support Smart audio
- 25mW/1W/3W/5W/8W/16W
- Built-in cooling fan
- OSD configuration using smart audio
- 19-28V input with 5V output

Button control Channel select mode

One button is used to set channel, band and power.

Channel Select
Short press to change 8 channels.

Band Select
Press the button for 2 seconds, LED will flicker an letter, then short press to change 12 band from A-b-E-F-r-P-L-U-O-H-T-n

Power Select
Press the button for 3 seconds, LED will flicker an number quickly, then short press to change 6 power levels.
After setting, led will display letter-number-number flickering twice, representing band-channel-power level.

For example: flickering

representing 5528 5W

PRODUCT SPECIFICATION

Slow power on
The VTX will wait for 3 seconds before turning on power amplifier. The 3 seconds slow power on will protect the VTX from being burned by maximum instantaneous power.

Pit Mode
The VTX is fully accessible via smart audio. It supports Pit Mode.

Band	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8
Band A	5474	5492	5510	5528	5546	5564	5582	5600
Band b	5362	5399	5436	5473	5510	5547	5584	5621
Band E	5325	5348	5366	5384	5402	5420	5438	5456
Band F	5129	5159	5189	5219	5249	5279	5309	5339
Band r	4990	5020	5050	5080	5110	5140	5170	5200
Band P	5333	5373	5413	5453	5493	5533	5573	5613
Band L	4900	4940	4921	4958	4995	5032	5069	5099
Band U	5960	5980	6000	6020	6030	6040	6050	6060
Band O	5865	5845	5825	5805	5785	5765	5745	5725
Band H	5733	5752	5771	5790	5809	5828	5847	5866
Band T	5705	5685	5665	5645	5885	5905	5925	5945
Band n	5740	5760	5780	5800	5820	5840	5860	5880

HOT CAUTION
BE CAREFUL NOT TO BURN YOUR FINGERS

PLUG THE ANTENNA BEFORE POWERING THE VTX
DO NOT REMOVE COOLING FAN