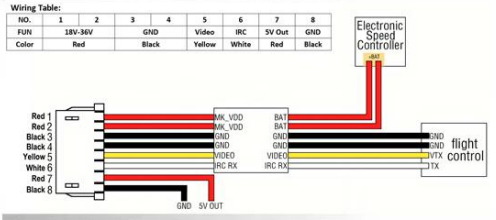
Frequency Table

Frequency Table								
Channel / Band	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8
BAND A	6110	6130	6150	6170	6190	6210	6230	6250
BAND B	6270	6290	6310	6330	6350	6370	6390	6410
BAND E	6430	6450	6470	6490	6510	6530	6550	6570
BAND F	6590	6610	6630	6650	6670	6690	6710	6730
BAND R	6750	6770	6790	6810	6830	6850	6870	6890
BAND P	6910	6930	6950	6970	6990	7010	7030	7050
BAND H	7070	7090	7110	7130	7150	7170	7190	7210
BAND U	6115	6265	6425	6585	6745	6905	7065	7185

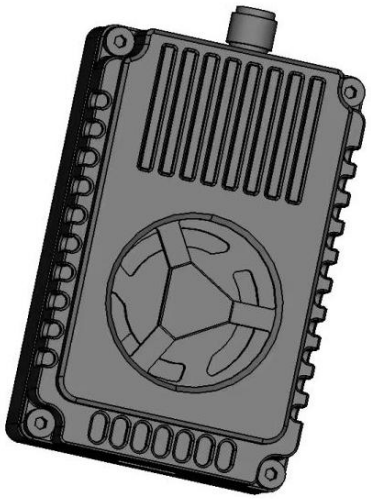
Illustrate of 8P 1.0 Wiring



Notice for Use:

1. The VTX must be installed with space to ensure that the air convection around the module to ensure that the module heat dissipation; otherwise, the module overheating protection start, reduce the power to transmit, or even shut down the power to transmit.
2. It is recommended that before turning on the power, to ensure that the correct voltage range, positive and negative poles are correct, so as not to burn components.
3. It is recommended that before turning on the power, make sure that the RF RF output has been installed antenna, which can extend the life of the module.
4. Please read the instruction manual before use, so that you can correctly wire and extend the module service life.

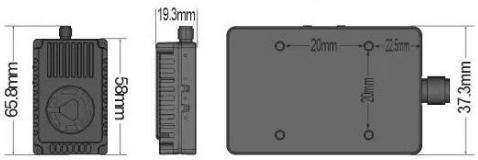
TRANSMITTER (VTX)
6.1-7.2GHz 7W



ALV7000AC

PRODUCT
SPECIFICATION

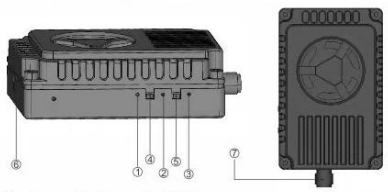
Product Dimension



Specifications

Frequency	6110MHz-7210MHz
Channel	64CH
Output power	7 Watt (25mW/2.5W/5W/7W adjustable)
Input voltage	DC 18V-36V, support 2S-8S battery input
Smart audio	IRC-Tramp
Antenna connector	SMA female seat inner hole
Heat-dissipating method	aluminum alloy shell, heat sink & fan
Dimension	65.8*37.3*19.3mm
Hole spacing	20mm*20mm/ø2mm
Weight	48.15g

Function Introduction



① Channel indicator: Red LED
② Band indicator: Blue LED
③ Power indicator: Green LED
④ Band & channel changer button
⑤ Power changer button
⑥ 1.0 6P Power connector
⑦ SMA female seat inner hole

PRODUCT
SPECIFICATION

Control Method and LED Indicator

1. Button ④ serves as the frequency point and band switch; each short press cycles to the next frequency point, with the corresponding red LED flashing. The sequence is: Frequency Points 1, 2, 3, 4, 5, 6, 7, 8. This operation cycles repeatedly; see the diagram below for details!

Short press button ④ to switch channels								
Red LED	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8
	Flash once	Flash twice	Flash 3 times	Flash 4 times	Flash 5 times	Flash 6 times	Flash 7 times	Flash 8 times

2. Press and hold button ④ for 5 seconds to switch frequency bands. The corresponding blue LED will flash, indicating the frequency groups in sequence as A, B, E, F, R, P, H, and U. This operation can be cycled. See the diagram below for details!

Long press button ④ to switch bands								
Blue LED	Band A	Band B	Band E	Band F	Band R	Band P	Band H	Band U
	Flash Once	Flash Twice	Flash 3 times	Flash 4 times	Flash 5 times	Flash 6 times	Flash 7 times	Flash 8 times

3.Button ⑤ is the power adjustment button. Each short press cycles through power levels, alternating between 25mW, 2.5W, 5W and 7W. The green LED serves as the power indicator, with the following flashing patterns: 25mW flashes once, 2.5W flashes twice, 5W flashes 3 times and 7W flashes 4 times. Press and hold for 3 seconds to enter pit mode, where the green light remains steady. See the diagram below for details!

Short press button ⑤ Power switch					
Green LED	Pit Mode	25mW	2500mW	5000mW	7000mW
	Everlasting brightness	Flash once	Flash twice	Flash 3 times	Flash 4 times

Note: This image transmission device has a temperature protection function. When the temperature of the image transmission device exceeds 100°C, the transmission power of the image transmission device will be reduced by one level. If the temperature remains above 100°C, the transmission power will be reduced by another level until it reaches the lowest power level (25mW). At this point, the temperature of the image transmission device will decrease. When the temperature drops to 95°C, the transmission power will return to the originally set power level.