2. The unit will save current channel while changing and power off.

1. After performing frequency band setup please check properly quitting frequency band setup mode.

“Channel button.” Once again long pressing “Channel button” to quit menu. It will quit from frequency band setup mode and the frequency is also be changed. Band will change in order of A, B, E, F. Long pressing on “Channel button” again, permanently; at this moment, each quick pressing on “Channel button,” the frequency “A” is A band, “b” is B band, “E” is E band, “F” is F band.

• The letters for A, B, E, F band icons will show as follow:

While pressing button the channel number will increase in order of the transmitter, “LED display” will show the initial channel number.

2. By quick pressing “Channel button” one time the channel number will change.

B. Frequency Table

Black Mamba TX5820-V2 5.8 GHz A/V transmitter Instructions

- Weight: 52g
- Antenna impedance: 50 Ω
- Consumption current: 800mA
- TX output voltage: 5V/12V (Vin=Vout)
- Power supply: DC 5v or DC 6-28V

Black Mamba TX5820-V2 5.8 GHz A/V transmitter specifications

The letters for A, B, E, F band icons will show as follow:

Boscam TS51140mm 5.8GHz Transmitter Frequency

1. After performing frequency band setup please check properly quitting frequency band setup mode. Otherwise you can change the frequency correctly.

2. The unit will save current channel while changing and power off.

Black Mamba TX5820-V2 5.8 GHz A/V transmitter specifications

- Transmitting power: 2W (33dBm, +/- 1dB)
- Power supply: DC 5v or DC 6-28V
- TX output voltage: 5.9V±2% (Vin=Vout)
- Consumption current: 800mA
- Antenna impedance: 50Ω
- Antenna connector: RP-SMA
- Dimension: 59.53/2.9mm(WHXH)
- Weight: 53g

The cloverleaf antenna design has proven to be one of the best antenna designs for FPV flying. Video Aerial Systems has improved on the original IB crazy Cloverleaf design to increase performance. The Airscrew’s design is based on a circularly polarized antenna. Antenna mounted to a 2” (5cm) cable with integrated balun. Has a straight SMA male plug. Boscam and some generic brands of equipment will require an RP-SMA female to SMA female adapter.

Built-by-All-Groove (IB crazy), cloverleaf antenna improves on that design by integrating a balun to prevent interactions with extension cables or some other part of the RF system. This 5.8 GHz antenna is right hand circularly polarized, and can be used with linearly polarized antennas (with some loss) or a more perfect match is another right hand circularly polarized antenna. Antenna mounted to a 2” (5cm) cable with integrated balun. Has a straight SMA male plug. Boscam and some generic brands of equipment will require an RP-SMA female to SMA female adapter.

Note 1: 5760.1 is the National Weak-Signal Calling Frequency

Note 2: Broadband segment may be used for any combination of high-speed data (eg: 802.11 protocols), Amateur Television and other high-bandwidth activities. Division into channels and/or separation of uses within this segment may be done regionally based on needs and usage.

IB Crazy 5.8 GHz A/V transmitter Instructions (from manual)

A. Connections and Control

B. Frequency Band Setup

C. Operating Notice

1. Connect transmitter according to the schematics above. After powering on the transmitter, “LED display” will show the initial channel number.

2. By quick pressing “Channel button” one time the channel number will change. While pressing “Channel button” the channel number will increase in order of 1, 2, 3, 4, 5, 6, 7, 8. “LED display” will show current channel number.

3. By long pressing (over 2 seconds) “Channel button” the frequency band setup will appear and can be modified.

• The letters for A, B, E, F band icons will show as follow: “A” is A band, “b” is B band, “E” is E band, “F” is F band.

• Long press “Channel button” to enter frequency band, and the icon will light up permanently. At this moment, each quick pressing on “Channel button,” the frequency band number will change in order of A, B, E, F. Long pressing on “Channel button” again, it will quit from frequency band setup mode and the frequency is also be changed.

• If you want to check the current working frequency band, please long press “Channel button.” Once again long pressing “Channel button” to quit menu.

D. Important Notes

1. After performing frequency band setup please check properly quitting frequency band setup mode. Otherwise you can change the frequency correctly.

2. The unit will save current channel while changing and power off.

IB Crazy 5.8 GHz A/V transmitter Specifications

- Gain: 14dBi
- Axial Ratio: 0.87
- Polarization: RHCP

Part number: AS-5800

Specifications:

- Gain: 14dBi
- Axial Ratio: 0.87
- Polarization: RHCP

Manufacturer of 5.8GHz Airscrew is Video Aerial Systems


IB Crazy 5.8 GHz A/V transmitter Instructions (from manual)

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