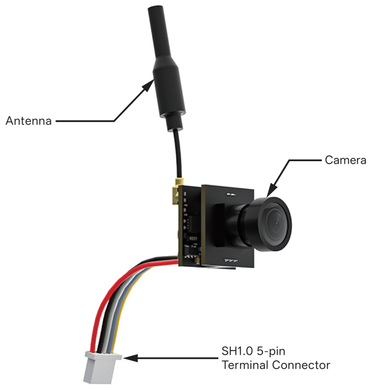
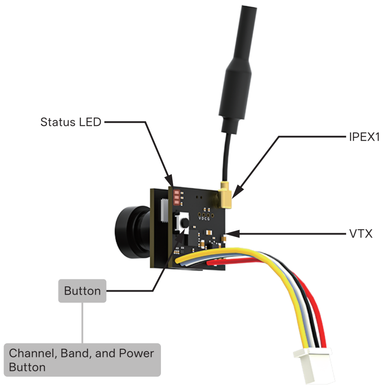
Borg 5.8G Micro VTX&CAM 150mW Instructions





Specs:

1.VTX Parameters

Power levels: PIT/25mW/100mW/
150mW@5V 550mA
Dimensions: 15.5*15*20.5mm
Interface: IPEX1
VTX telemetry: IRC Tramp
Input Interface: SH1.0 5P: SH1.0 5P
Channels: 48CH(A-B-E-F-R-L)
Weight: 3.8g

2.Camera Parameters

Lens: 115° Wide-Angle
Focal Length: 1.45mm
Sensor: 1/4″ CMOS Sensor
Resolution: 600TVL
Video Standard: PAL/NTSC
(Selectable)
Aspect Ratio: 4:3
Operating Voltage: DC-5V

3.Ports

5V: 5V DC Positive Input
GND: Negative
RX: IRC Tramp Signal Input
CAMERA OUT: Camera signal
output
VIDEO IN: Video Signal Input

4.Attention

1) Ensure adequate space for Installation. Leave sufficient space around the video transmission module to allow air circulation and heat dissipation. Failure to do so may trigger overheat protection, reducing power output or even shutting down the transmission.
2) Verify voltage and polarity before powering On. Confirm the power supply matches the module's voltage range and the polarity (positive/negative) is correct. Incorrect settings may burn out components.
3) Install antenna before powering on. Always connect the antenna to the RF (Radio Frequency) output port before powering on. This extends the module's lifespan and prevents damage.
4) Read the manual before use. Follow the wiring instructions in the manual to ensure proper connections. Correct wiring improves reliability and longevity.
5) Avoid proximity to GPS/carbon plates/conductors. Keep the antenna away from GPS modules, carbon fiber plates, or conductive materials. Proximity to these objects may degrade antenna performance.

Button Operation

Channel, Band, and Power Button

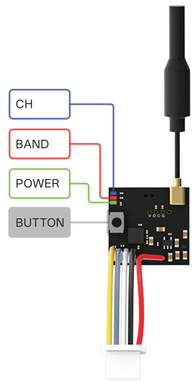
The video transmission (VTX) settings (Channel, Band, Power Level) are indicated by three LED indicators (Blue, Red, Green) blinking a specific number of times. Use a single button to adjust settings as follows:

Short Press(CH): Blue LED blinks to show the current channel (Red and Green LEDs turn off).Each short press increments the channel by 1, and the Blue LED blinks once more.

Long Press 2 Seconds(BAND): Red LED blinks to show the current band (Blue and Green LEDs turn off).Each short press increments the band by 1, and the Red LED blinks once more.

Long Press 2 Seconds Again(POWER): Green LED blinks to show the current power level (Red and Blue LEDs turn off).Each short press increments the power level by 1, and the Green LED blinks once more.

PIT Mode: Green LED stays solid (continuous light).



Save and Exit.Long press for 2 seconds to exit adjustment mode and save settings.If no button is pressed for 10 seconds during adjustment, the system automatically exits and saves the current settings.

Frequency Table

BAND	Channel							
	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8
A	5865MHz	5845MHz	5825MHz	5805MHz	5785MHz	5765MHz	5745MHz	5725MHz
B	5733MHz	5752MHz	5771MHz	5790MHz	5809MHz	5828MHz	5847MHz	5866MHz
E	5705MHz	5685MHz	5665MHz	5645MHz	5885MHz	5905MHz	5925MHz	5945MHz
F	5740MHz	5760MHz	5780MHz	5800MHz	5820MHz	5840MHz	5860MHz	5880MHz
R	5658MHz	5695MHz	5732MHz	5769MHz	5806MHz	5843MHz	5880MHz	5917MHz
L	5362MHz	5399MHz	5436MHz	5473MHz	5510MHz	5547MHz	5584MHz	5621MHz