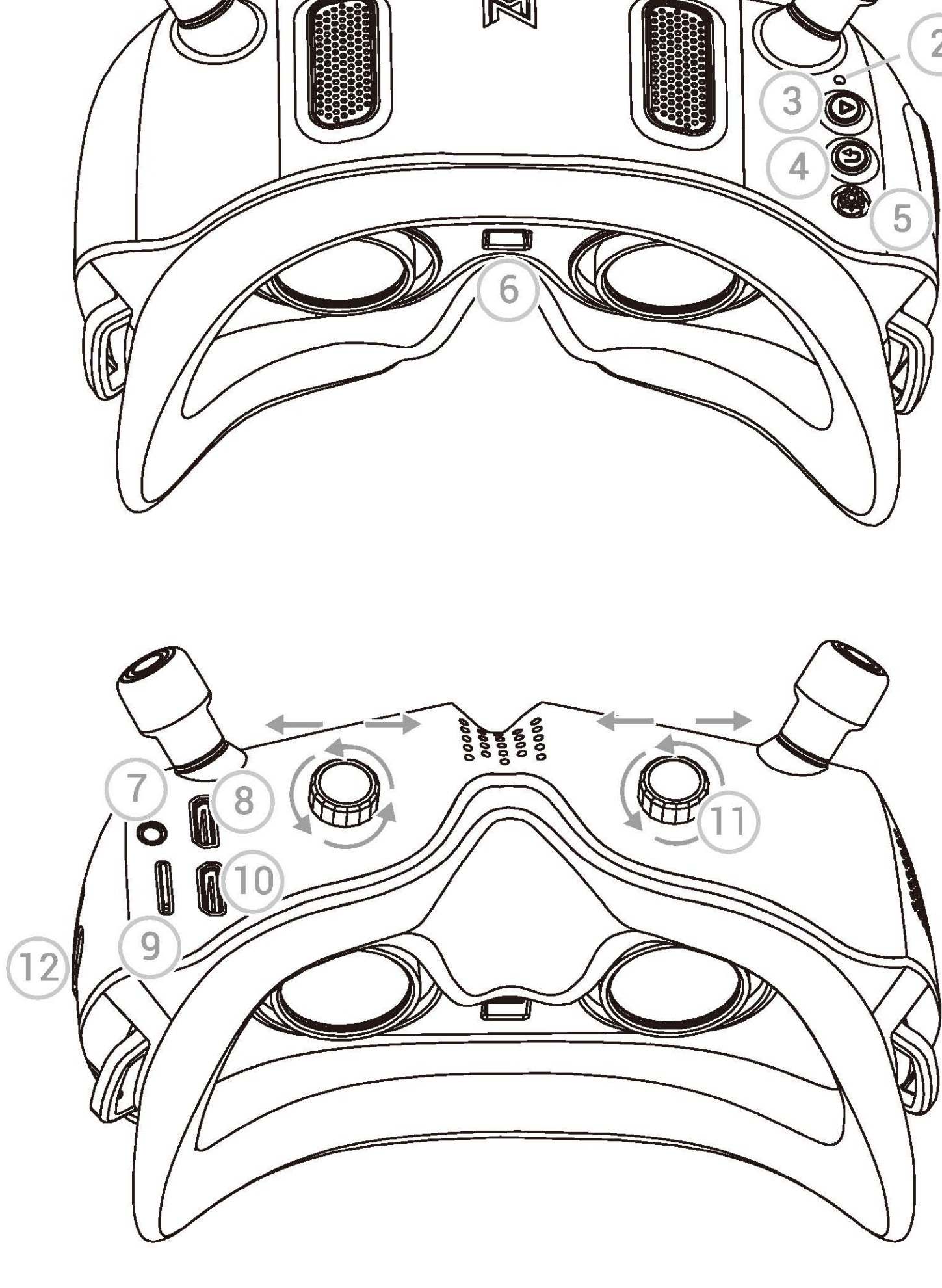


AVATAR HD GOGGLES X

Quick Start Guide

V1.3

Introduction



- 1: Antenna
- 2: Link Button
(Short press to enter the linking state, long press for 8 seconds to enter the upgrade state)
- 3: Record Button
(Press to start or stop video recording)
- 4: Back Button
(Press to return to the previous menu or exit the current mode. Press and hold for 5 seconds to switch to CVBS analog signal and HDMI input mode, It can be switched cyclically)
- 5: 5D Button
(Toggle the button to scroll through the menu. Press the button to confirm)
- 6: Proximity Sensor
(Detects whether the user is wearing the goggles and automatically turns the screen on or off)
- 7: AV-IN Port
(5 Pin 3.5mm Audio Port)
- 8: HDMI Input
- 9: Micro SD Card Slot
- 10: HDMI Output
(HDMI output is not supported when Goggles is set to 1080p high frame rate)
- 11: IPD Adjusters
(Adjust pupil distance and diopter)
- 12: Power Port
(Voltage range 7V–26V, DC 5.5*2.1)

AV-IN Port Definition



Linking

- 1. Connect the VTX and the power of the Goggles.
- 2. Press the link button of the VTX and Goggles respectively (as shown in the picture), when the VTX enters the pairing state The indicator light turns red, and the Goggles end is a DI... DI... DI...
- 3. After the link is successful, the indicator light on the VTX turns solid green, the beeping sound on the Goggles stops and the screen is displayed.

Upgrade

Please go to the official website to download the upgrade firmware, AvatarX_Gnd_X.X.X.img is the Goggles file, copy it to the SD card, be careful not to change the file name.

- 1. Copy the upgrade file to the root directory of the SD card, connect to the power supply and wait for the device to initialize (delete the old firmware file first if there in one).
- 2. Press and hold the link button on the Goggles for 8 seconds, and the Goggles automatically restart and emit a beep...beep...beeper sound. (Do not power off during the upgrade process, the upgrade time on the goggle is about 6 minutes)
- 3. After the upgrade is successful, and the beeping sound stops after the Goggles beeps for 5 seconds.

Status indication

Goggles Buzzer Status	
Link state	DI.... DI.... DI.... DI....
Upgrade firmware	DI..... DI..... DI..... DI——
Upgrade failed (No SD card or firmware detected)	DI.. DI.. DI.. DI..
Boot failure (Reboot or re-upgrade)	DI.. DI..... DI.. DI.....

Operating channel

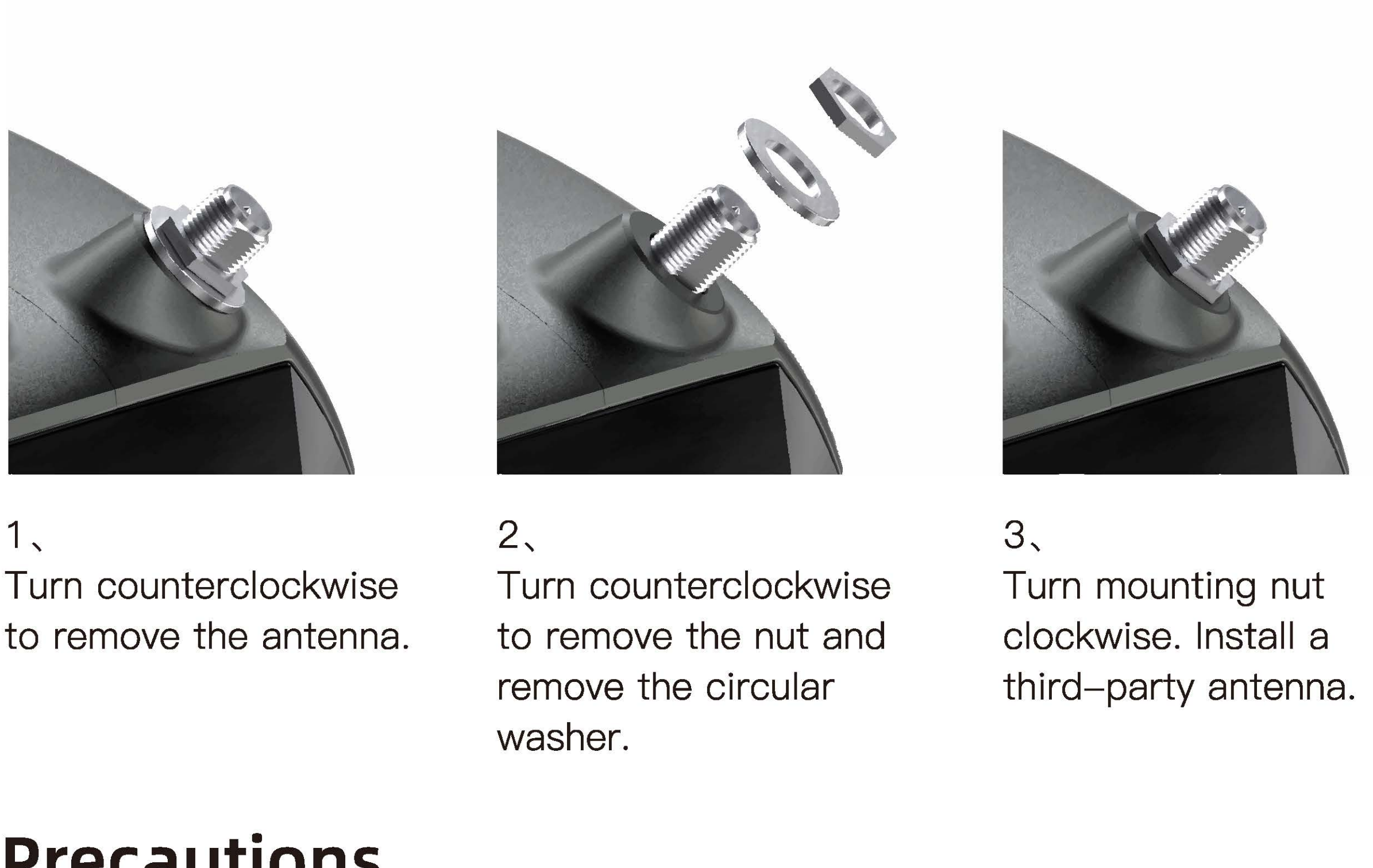
Central frequency(MHz)	Channel1	Channel2	Channel3	Channel4	Channel5	Channel6	Channel7	Channel8
FCC	5660	5695	5735	5770	-	-	-	5839
CE/SRRC	5735	5770	5805	-	-	-	-	5839
MIC	5665	5705	-	-	-	-	-	5750

Make sure you fully understand and abide by local laws and regulations before using this product. An amateur radio license may be needed in FCC regions when using channels 1,2,6or 7, as they are amateur frequency bands. Users who use the amateur frequency bands with a modified or cracked version or without a license may be punished for breaking local laws or regulations.

FCC Warning
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device should be used away from public areas and should not interfere with public wireless facilities or other wireless devices,
(2) This device may receive radio interference, which may cause malfunction or damage to the device. It is necessary to stay away from the environment where radio interference occurs. Users of modified or cracked versions or unlicensed amateur bands may be subject to penalties for violating local laws or regulations.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. If not installed and used in accordance with the instructions, it may cause harmful interference to radio communications. There is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, it is recommended that you try to correct the interference by one or more of the following measures:
– Reorient or relocate the receiving antenna.
– Increase the separation between the device and the receiver.
– Adjust the transmit power or restart the device.
– Consult the dealer, manufacturer, or an experienced radio/TV technician for help. To maintain compliance with FCC safety guidelines, Use only the supplied antenna.

Installation of third-party antennas



- 1、Turn counterclockwise to remove the antenna.
- 2、Turn counterclockwise to remove the nut and remove the circular washer.
- 3、Turn mounting nut clockwise. Install a third-party antenna.

Precautions

- 1. This is a sophisticated product. Failure to operate this product in a safe and responsible manner could result in injury or damage to the product or other property. It must be operated with caution and common sense and requires some basic mechanical knowledge.
- 2. Before powering on, please install all antennas to avoid damage to components.
- 3. When using HDMI output, Please make sure the monitor supports the set resolution and frame rate, otherwise it will cause abnormal display.
- 4. HDMI output is not supported when goggles are set to 1080p high frame rate
- 5. The transmit power of VTX and Goggles is only 10mW when the standby mode is on.
- 6. There are up to eight channels for the goggles depending on the region (FCC: eight, CE/SRRC: four, MIC: three). Each channel has a bandwidth of 20 MHz. The public channel is 8, which is the default channel when the equipment is powered on. The channel can be changed manually to avoid interference from other devices.
- 7. It is recommended to upgrade VTX and Goggles to the latest firmware before first use.