

SCENE VR GLASSES SJ-H01

USER MANUAL

System Content



3D FPV Goggle



5.8G 2dBi antenna X 2

Portable storage bag



DC Cable



AV Cable



HDMI A-D
(Separate purchase)



Futaba data cable

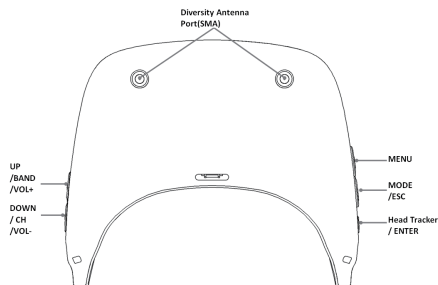


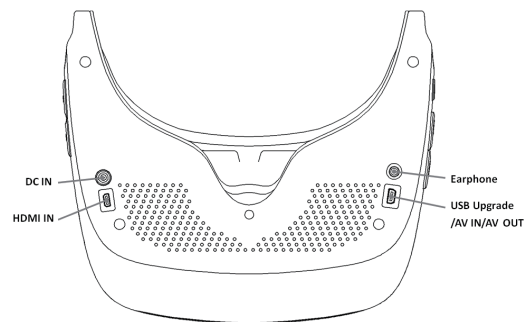
JR data cable



MINI USB Cable
(FW Upgrade)

Function Diagram





Operation Instruction

The video glasses with built-in two 5.8 GHz receiver modules and antenna ports, can realize diversity reception function, make it good signal utilization and improve image effect. Can set up five bands and 8 channels in each band (About channel parameters, please view the product specification.)

Quick Start

- Install antennas for the video glasses.
- Connect the camera and transmitter, power on the transmitter, set up the working channel, power on the video glasses.
- Short press the <UP/DOWN> button to adjust the channel and consistent with the transmitter, then watch the camera image.

Button Function

MENU button

- In normal mode, short press once pop-up Menu Settings.

MODE button

- In normal mode, short press once pop-up RF、AV IN、HDMI 2D、HDMI 3D L/R、HDMI3D U/D mode menu, and press CONFIRM to choose.
- In the menu condition, short press for return.

OK button (Head Tracker)

- Short press for HT RESET in normal mode.
- In the menu condition, short press for confirm.

UP button

- In the RF mode, short press for the bands increasing ,cycling between A, B, E, F, R.
- Long press for 3 seconds in the RF 2D、AV IN、HDMI 2D、HDMI 3D L/R、HDMI3D U/D mode ,can turn the volume up.
- In the menu condition ,choose for upward.

DOWN button

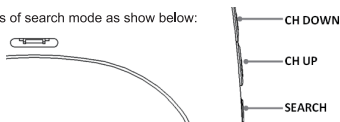
- In the RF mode, short press for the channels increasing ,cycling between CH1~CH8.
- Long press for 3 seconds in the RF 2D、AV IN、HDMI 2D、HDMI 3D L/R、HDMI3D U/D mode ,can turn the volume down.
- In the menu condition ,choose for down.

RF Mode

- In the RF mode, these two 5.8 GHz wireless receiver modules realize diversity reception function.
- With < UP > button can adjust the channel parameters, < DOWN > button can adjust the band parameters. Short press repeatedly to recycle operations, the available channels for a total of 40 groups.
- Note: in the RF mode, using a dedicated AV cable, which can realize the output of the video image.

Channel Search

The button functions of search mode as show below:



- Long press <SEARCH> button pop-up search listings, short press the <SEARCH> button to search, short press < SEARCH > button to stop searching in the searching process.
- After completing the searching, if there are some channels available, press the < CH UP > and < CH DOWN > buttons to select channel.
- Long press < SEARCH > button again to exit the search listing.
- Search listing will be not saved after turning off.

AV IN Mode

- The video glasses support AV IN function, when switch to AV IN mode, it will turn off the wireless receiving module automatically to save electricity.
- Connect to dedicated AV cable can input to the external signal of audio and video equipment, support the standard NTSC and PAL video signals.

HDMI IN Mode

HDMI 3D Mode

- Work in this mode, need to choose the correct display mode according to the video source, including HDMI 3 D L/R, HDMI 3 D U/D.
- Identify all resolutions automatically.
- In this mode, the resolutions of the video glasses support as show below:

3D Horizontal Format (L/R)	3D Vertical Format (U/D)	Description
1920x1080p60	1920x1080p60	
1920x1080p50	1920x1080p50	
1920x1080p24	1920x1080p24	
1280x720p60	1280x720p60	
1280x720p50	1280x720p50	

HDMI 2D Mode

- Identify all resolutions automatically.
- In this mode, the resolutions of the video glasses support as show below:

50Hz	60Hz	Description
1920x1080p50	1920x1080p60	
1920x1080i50	1920x1080i60	
1280x720p50	1280x720p60	
720x576p50	720x480i60	
720x756i50	720x480p60	
PC Format		Not all formats

Image adjustment

- Set up the Brightness、Contrast、Saturation、Hue on the image settings menu ,in order to achieve personalized display effect.
- Press < ENTER > button on the functional option to set up will enter into setting status , press <UP/DOWN > button to adjust parameters, and image will display effect in real time, press < ESC > button to return to a layer on the menu.
- Note: Suggest setting parameters in a clear and stable image status.

Head Tracker

- Note: The head tracking function needs an initialization time, please keep the product horizontal and stable when power on , initialization will complete after a beep sounds, then can use the head tracking function .Or short press < HT > button when the machine is stable , after a beep sounds, can use normally.
- Short press<HT>button to reset the PPM signal to center position,and a beep sounds.
- Set up PPM Channel in the menu:5 | CH7, CH5 | CH8, CH6 | CH7, CH6 | CH8, CH7 | CH8.
- Pan range : 180 degree (90 degree L/R), 120 degrees (60 degree L/R), 90 degree (45 degree L/R), 90 degree as default.
- Tilt range : 120 degree (60 degree U/D), 90 degree (45 degree U/D), 60 degree (30 degree U/D), 90 degree as default.
- Pan Correction : With this setting can compensate the center offset of Pan separately, 0 ~ 10 levels can be set up, the actual compensated view point is

5 related to the turning angel of the gimbal.

- **Tilt Correction** : With this setting can compensate the center offset of Tilt separately, 0 ~ 10 levels can be set up, the actual compensated view point is related to the turning angel of the gimbal.
- **PPM Reverse** : < Normal > as the default Setting, < Pan > for the reverse channel, < Tilt > for the reverse channel, the Pan & Tilt > for two directions are reverse.

System Mode

- **Power**: Choose the corresponding power supply, it will prompt the usage of the current power supply system intelligently , when the power is insufficient, the system will prompt for the sound.
- **OSD Timeout**: This function can be used to set the OSD display status, <3 SEC> is hidden by default.
- **Display Ratio**: This function is used to set the video display size, including FULL screen (FULL), 16:9, 4:3. The default value is < FULL >.
- **Default Setting**: This function is used to reset setting. Press the < UP/DOWN > button to select YES, press the < HT > button to make sure all options will be reset to the default state.

Earphone output

- In RF mode, headphone output will mute automatically when to electricity or from other mode switch to RF, prevent RF model noise too large, influence listening.
- Save the setting of sound in the AV IN and HDMI mode.

Display Ratio

- The default Settings make all resolution display in full screen mode, a resolution of 960 * 1080, the scale is 4:4.5 approach to a square frame .If the resolution of the input is 16:9, the image horizontal direction (left and right) will be compressed, set up display scale like 16:9 at this moment and the image will be displayed in the original proportion.
- If the input image proportion is 4:3, it can be set to 4:3 display mode, in order to achieve the original proportion.

Upgrade

- Prepare the file to upgrade: FW805vxxx.bin
- Use the MINI USB cable to connect the video glasses to the computer, hold down the <MODE> button, and then switch the video glasses on, computer will find a new equipment, after its automatically install driver, there will be a removable disk device (capacity of about 100 KB).
- Copy the prepared upgraded file to the mobile disk root directory, and then disconnect USB cable and power supply. •Reset to complete the upgrade, and into the normal working state automatically, can view the current FW version in the system Settings menu.

Image adjustment

Display	FOV	100degrees							
	Resolution	960*1080							
	Brightness	450cd/㎡							
	Interpupillary distance(IPD)	64mm							
Wireless Receiver	ISM 5.8GHz 40 Channel, Diversity receiver.								
	Band	CH 1	CH2	CH3	CH4	CH5	CH6	CH7	CH8
	A	5865M	5845M	5825M	5805M	5785M	5765M	5745M	5725M
	B	5733M	5752M	5771M	5790M	5809M	5828M	5847M	5866M
	E	5705M	5685M	5665M	5645M	5685M	5905M	5925M	5945M
	F	5740M	5760M	5780M	5800M	5820M	5840M	5860M	5880M
	R	5658M	5695M	5732M	5769M	5806M	5843M	5880M	5917M
	Sensitivity	-90dBm±1dBm							
	Antenna port	2 X SMA,50ohm							
Head Tracker	Sensor	Magnetic, Inertial and gyro							
	Output	PPM 8 channel.							
AV Signal	Video Standard	Optional : CH5[CH6, CH5][CH7, CH5][CH8, CH6][CH7, CH6][CH8, CH7][CH8,							
	Video output level	NTSC/PAL							
	Audio output level	1.0Vp-p Typ. / 75ohm							
AV Prot	MINI USB AV	1.0Vp-p Typ. / 10Kohm							
	EAR OUT(3.5mm3P)	Diversity Video/ Audio output, Video/Audio input							
	HDMI IN	Stereo 16Ω/150mW							
	(Micro HDMI/D-Type)	HDMI 1.4 specification							
Power Supply	DC IN	DC 10V ~ 26V/ 1A							
	Power Consumption	12V input: 6.7W/RF mode							
Dimensions		164(L)X194(W)X108(H)mm (Not include prominent part)							
Weight		g (Not include package box)							
Operating Temperature		-10 C ~ +60 C							