FPV视频眼镜 使用说明书

SJ-RG01

一、产品概述：

世杰无线是一家专业专注于航拍事业的加工型企业，公司推出一款入门级FPV视频眼镜，降低初学者和无人机教育机构支出成本。此款FPV眼镜搭载了960*240分辨率的双屏显示；瞳距自由调节；匹配市场上通用的5.8G发射；分集接收模组稳定图像质量；更有TF卡实时录像让朋友分享你的快乐。外观靓丽、轻巧，根据人脸部结构设计，佩戴舒适。

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二、外观图：

① 天线
② 频段 / 音量+
③ 频道 / 音量–
④ 搜索
⑤ 录像
⑥ 电源开关
⑦ TF卡槽
⑧ Micro USB
⑨ 视频输入输出
⑩ 耳机插孔
⑪ 充电指示灯
⑫ 直流充电口
⑬ 电池仓
⑭ 左右瞳距调节

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显示屏OSD说明：

预览界面　　　　　录像回放界面

■ 预览界面：
① 录像图标 正常状态下默认图标颜色蓝色，正在录像时图标为红色，并在录像图标后面显示录像时间 00:00:00 时:分:秒。
② TF卡图标 正常状态下默认图标颜色蓝色，当无TF卡或TF卡不识别时显示红色。在TF卡图标后面显示TF卡剩余存诸空间00.00 G。
③ RF(R) 或RF(L) 表示当前正在工作的接收模块。
④ BAND: E表示接收模组当前工作在E频段，频段有A、B、E、F、R、L。
⑤ CH: 1 表示接收模组当前工作在1频道，频道有1、2、3、4、5、6、7、8。
⑥ 5705MHz 表示接收模组当前工作的频率，频率与频段和频道对应关系，见频段及频道列表。
⑦ 电池电量及状态 ▮

■ 录像回放界面：
① ▶▶ X4 ： 表示当前录像段以4倍速播放。
② 0011 ： 表示当前录像文件在第11段。
③ 00:01:18 ：表示当前录像文件段时间长度为1分18秒。
④ 00:01:04 ：表示当前录像文件段播放到时间1分04秒。

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三、基本参数：

1. 输入电源：DC6-28V DC12V/380mA，充电电流最大300mA
2. 屏幕分辨率（双屏）：960X240
3. AV输出端子φ3.5mm,视频输出阻抗75Ω，音频输出阻抗10kΩ
4. 输入电源DC插座直径D6mm,内针直径D2.1mm
5. TF卡速CLASS 10，TF卡最大容积32GB
6. Micro USB数据接口，方便转存文件
7. 选配电池3.7V/1500mAH,尺寸L80*W19*H7mm
8. 瞳距可调： 最小瞳距58mm，最大瞳距63mm
9. 产品尺寸： L 175mm *W 102mm*H 68mm
10. 整机重量：278g

四、操作说明：

1、按键操作：短按<0.5s以下行文中被描述为按，长按≈3s，所描述状态基于本机默认设置。
操作前,请首先接入电源。
■ 按键 BAND：
1.11 开机后按 BAND 键调节频段,A、B、E、F、R、L循环显示。
1.12 在RF,AV IN,Playback模式下长按 BAND 为音量增加键。
1.13 在进入菜单模式下该键为向上选择键。
■ 按键 CH：
1.21 按 CH 键为调节频道，频道CH1–CH8循环显示。
1.22 在RF,AV IN,Playback模式下长按 CH 为音量减小键。
1.23 在进入菜单模式下，该键为向下选择键。

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■ 按键 🔍：
1.31 按 🔍 键开始搜索频道并显示"Search…"频道进度条，当搜索某一频道信号强度达到检测要求时，就驻留在该频道并显示所在的频段、频道及图像信号。若不是正确的图像信号，再次按 🔍 键继续搜索，直到显示正确图像信号止。若无发射信号或发射信号有问题，从当前频道搜索直到循环一次到当前频道就会停止搜索。
例: E→F→R→L→A→B→E 频段循环(每个频段内频道1~8循环)
1.32 菜单模式下该键为确认键。
■ 按键 M：
1.41 按 M 键切换预览模式，按一次切换一个模式，可在RF, AV IN, Playback之间切换。
1.42 预览模式下，长按 M 键为开始录像，再按一次为停止录像。
1.43 在菜单模式下该键为返回键。
■ 按键 ⏻：
1.51 长按为开关机键。
1.52 预览模式下按 ⏻ 键调出菜单界面。
1.53 在Playback界面按 ⏻ 键弹出"File Del,Push ok"对话框，再按 🔍 键确认删除当前段录像文件。

2、录像文件回放操作(PLAYBACK)：
2.1 按 M 键切换到视频回放操作界面，按 ⏻ 键弹出"File Del,Push ok"对话框，再按 🔍 键确认删除当前段录像文件。若不删除当前文件，再次按 ⏻ 键返回视频回放界面。
2.2 视频回放操作界面下，按 🔍 确认键开始回放当前段视频文件，视频回放过程中按 🔍 键暂停回放视频，再次按 🔍 键继续回放视频。按 CH 键可以2倍或4倍、8倍速向前播放视频，按 🔍 键返回正常速度播放视频。视频播放过程中，按 BAND 键

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可以1倍或2倍、4倍、8倍速回放视频，按 🔍 键返回正常速度向前播放视频。(注意：在切换视频向前或回放倍速模式，必需在正常速度向前播放视频状态下。)
2.3 按 ⏻ 键回到视频播放操作界面，按 BAND 或 CH 键可选择当前视频文件段，再按 🔍 键播放或按 ⏻ 键删除，按 M 键返回预览界面。

3、系统菜单选项设置：
3.1在预览界面状态下，按 ⏻ 键进入系统菜单设置界面。
系统菜单选项：

名 称		默认参数	本机系统对应中文含义
①	Brightness	50	亮度
②	Contrast	50	对比度
③	Saturation	50	色彩饱和度
④	Hue	50	色调
⑤	Time out	3S	预览OSD显示时间长度(秒)
⑥	REC Audio	YES	录音（开启/关闭）
⑦	SD Format	NO	TF卡格式化（NO/YES）
⑧	Load Def	NO	载入默认设置

3.1.1 Brightness 、Contrast、Saturation、Hue项的设置方法：
按 BAND 或 CH 键选择Brightness菜单项，按 🔍 键确认，进入Brightness子菜单参数项，按 BAND 或 CH 调整参数值，按 M 键确认并返回主菜单界面。Contrast、Saturation、Hue项的参数设置方法同 "Brightness"项。
3.1.2 Time out 项参数设置：
按 BAND 或 CH 键选择Time out 菜单项，按 🔍 键选中该子菜单项，默认参数值3S变成红色字符时，按 BAND 或 CH 改

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变参数值，参数值有3S、5S、10S、20S、30S、OFF选项，按 M 键确认并返回主菜单界面。该选项是调节预览界面OSD字符显示时间，如选择5S是指预览界面OSD字符显示5秒后自动隐藏。
3.1.3 REC Audio YES：录音开启或关闭选项
选中 REC Audio YES项，当默认值YES字符变成红色时，按 BAND 或 CH 键确认参数字符会被替换。该菜单只有两个选项：YES或NO
3.1.4 SD Format NO：TF卡格式化
选中 SD Format：NO项，当默认值NO字符变成红色时，按 BAND 或 CH 键确认参数字符会被替换。该菜单只有两个选项：YES或NO
当选择YES参数项时，弹出警告对话框SD Format Sel！按 🔍 键开始格式化TF卡，格式化完成后自动返回。若不需要格式化直接按 M 键返回主菜单选项。
3.1.5 Load Def NO： 还原默认设置项
选中 Load Def： NO 项，当默认值NO字符变成红色时，按 BAND 或 CH 键确认参数字符会被替换。该菜单只有两个选项：YES或NO，当选择YES参数项时，按 🔍 键确认还原本机默认设置项，还原后自动返回NO默认设置项。若不需要还原默认设置项按 M 键返回主菜单选项。再次按 M 键返回开机首页界面。

五、电池充电状态说明：
1.电池未接或充电也满充电指示灯亮绿灯。正在充电亮红灯，显示屏电池图标刻度动态显示。
2.未接电池可能电池有故障，显示屏电池图标中间有个闪电标识。
3.电池电量不足时，图标显示红色，电量快耗尽时弹出提示对话框。

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六、频段与频道列表：

CH FR	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8
FR1（A）	5865M	5845M	5825M	5805M	5785M	5765M	5745M	5725M
FR2（B）	5733M	5752M	5771M	5790M	5809M	5828M	5847M	5866M
FR3（E）	5705M	5685M	5665M	5645M	5885M	5905M	5925M	5945M
FR4（F）	5740M	5760M	5780M	5800M	5820M	5840M	5860M	5880M
FR5（R）	5658M	5695M	5732M	5769M	5806M	5843M	5880M	5917M
FR6（L）	5362M	5399M	5436M	5473M	5510M	5547M	5584M	5621M

七、配件清单：

1. 天线 2根
2. 电源线..................1条
3. AV线......................1条
4. 电池(1500mAH).....1块(选配)
5. 说明书..................1份

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SJ-RG01
FPV Video Goggles
User's Manual

I. Overview

Shenzhen Shijie Wireless Technology Co., Ltd. (Shijie Wireless) is a producer of aerial photography products. The SJ-RG01 FPV video goggles are an entry-level product designed to lower the costs of beginners and UAV training institutions. This product is equipped with dual displays with a resolution of 960 x 240. Adjustable Interpupillary distance is ensured. It is compatible with 5.8GHz band that is popular on the market. The diversity receiver module enables stable image quality. The real-time video recording using a trans-flash (TF) card allows you to share your happiness with your friends. With an attractive appearance, the product is compact and light in weight, which is designed based on the facial structure to ensure comfortable wearing experience.

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II. Appearance Diagram

① ANT
② BAND/UP
③ CH/DOWN
④ SEARCH
⑤ REC
⑥ POWER
⑦ TF CARD
⑧ Micro USB
⑨ AV IN /OUT
⑩ EAR OUT
⑪ Charging indicator
⑫ DC -IN
⑬ Battery compartment
⑭ Interpupillary distance adjustor

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Description of OSD Display:

Preview   Recorded Video Playback

■ **Preview:**
① By default, the recording icon, [icon], is blue in normal state, and is red during video recording. The video recording time (format: 00:00:00) is displayed following this icon during video recording.
② By default, the icon of the trans-flash (TF) card, [icon], is blue in normal state, and is red when the TF card is not available or not identifiable. The remaining capacity (00.00G) is displayed following the icon.
③ RF (R) or RF (L) indicates the receiver module that is operating.
④ BAND: "E" indicates that the receiver module is operating in band E (Note: Bands A, B, E, F, R and L are available).
⑤ CH:1: indicates that the receiver module is operating at channel 1 (Note: Channels 1, 2, 3, 4, 5, 6, 7 and 8 are available).
⑥ "5705MHz" indicates the frequency at which the receiver module is operating. The relationships between the frequency, band and channel are given in the list of bands and channels.
⑦ The power level and state of the battery [icon]

■ Video playback interface:
① [▶▶] X4 : the current recorded video clip is played at a speed that is 4 times the normal speed.

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② 0011: the current recorded video file is video clip 11.
③ 00:01:18: the duration of the recorded video file is 1 minute and 18 seconds.
④ 00:01:04: the current recorded video file is displayed to 1 minute and 4 seconds.

III. Basic Parameters:
1. Input power: DC 6-28V, DC12V/380 mA, maximum charge current: 300 mA
2. Display resolution (dual display): 960 x 240
3. AV output terminal: Φ 3.5mm, video output impedance: 75Ω, audio output impedance: 10 KΩ
4. DC socket for input power: diameter: 6mm, inner pin diameter: 2.1mm
5. Class of the TF card: class 10, maximum size of the TF card: 32 Gb
6. Micro USB interfaces allow convenient file saving
7. Optional battery: 3.7V/1500 mAh, 80mm x 19mm x 7mm (L x W x H)
8. Adjustable Interpupillary distance: min. value: 58mm, max. value: 63mm
9. Product size: 175mm x 102mm x 68mm (L x W x H)
10. Total weight: 278g

IV. Operation Description
1. Key Operations:
In this manual, "press" means a pressing operation that lasts less than 0.5s, and "press and hold" means a pressing operation that lasts about 3s. All described states are based on the default setting.
Be sure to power on before operation.
■ Key BAND :
1.11 Press BAND after startup to adjust the band. During this process, bands A, B, E, F, R and L are displayed in cycle.
1.12 Press and hold BAND in RF, AV, IN and Playback modes to increase the volume.
1.13 The key is an "Up" key in the "IN" mode.
■ Key CH :
1.21 Press CH to adjust the channel. In this process, channels 1-8 are displayed in cycle.

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1.22 Press and hold CH in RF, AV, IN and Playback modes to reduce the volume.
1.23 The key is a "Down" key in the "IN" mode.
■ Key [search] :
1.31 Press [search] to start searching channels, and "Search..." is displayed at the same time. The image stays at a certain channel when its signal intensity meets the detection requirements. Meanwhile, the corresponding band, channel and image signals are also displayed. If it is not the correct image signals, press [search] key again to continue the search until the correct image signals are obtained. If no emitted signals are received or the emitted signals are incorrect, search from the current channel, and the search process will end when the current channel is reached again.
For example, E→F→R→L→A→B→E (each band contains one to eight channels).
1.32 This key is a confirmation key in the menu mode.
■ Key M :
1.41 Press M to switch preview modes. A mode is switched when you press once. You may switch the modes among RF, AVIN and Playback modes.
1.42 Press and hold M to start recording a video in "preview" mode. Press it again to stop recording.
1.43 This key is a return key in the menu mode.
■ Key [power] :
1.51 Press and hold [power] to power on/off the equipment.
1.52 Press [power] in the preview mode so that the menu interface is displayed.
1.53 The "File Del. Push Ok" dialog box is displayed when you Press [power] in the "playback" interface. Press [power] again to confirm whether you need to delete the current video file.

2. PLAYBACK:
2.1 Press M to switch to the video playback interface. The "File Del. Push OK" dialog box is displayed when you press [power] . Press [search] again to confirm that you need to delete the current video file. You need to press [power] again to return to the current playback interface if you do not need to delete the current file.
2.2 Press [search] to confirm that you need to play back the current video on the

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"playback" interface. You may pause the playback by pressing [search] , and continue the playback by pressing [search] again. Press CH to play the video at a speed that is 2 times, 4 times or 8 times the normal speed. Press [search] to play the video at the normal speed. During video playback, you may press BAND 1 times or 2 times, 4 times, 8 speed video playback. Press [search] to return to video playing at the normal speed.
Notes: Switching between playing and playback modes must be done when the video is played at the normal speed.
2.3 Press [power] to return to the playing interface. You may select the current video clip by pressing BAND or CH . Then, press [search] to play the video or press [power] to delete the video. You may press M to return to the "preview" interface.

3. Setting of System Menu:
3.1 Press [power] to access to the interface for system menu setting when the system is operating in "preview interface":
Menu options:

	Name	Default Parameter	Notes
①	Brightness	50	Brightness
②	Contrast	50	Contrast
③	Saturation	50	Saturation
④	Hue	50	Hue
⑤	Time out	3S	Time duration indicated on preview OSD
⑥	REC Audio	YES	Audio recording (turn on/off)
⑦	SD Format	NO	TF card formatting (No/Yes)
⑧	Load Def	NO	Load default settings

3.2 Setting of Brightness, Contrast, Saturation and Hue:
Press BAND or CH to select the menu items of "Brightness". Press [search] to confirm, and access the sub-menu items of "Brightness". Press BAND or CH to adjust the parameters as required. Press M to confirm and return to the menu interface. The setting methods for "Contrast", "Saturation" and "Hue" are the same as the method for "Brightness".
3.3 Setting of "Time Out":

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Press BAND or CH to select the "Time out" submenu. Press [search] to select the submenu. Press BAND or CH to change parameters when the default parameter 3s turns red. Optional parameters include 3s, 5s, 10s, 20s, 30S and OFF.
Press M to confirm and return to the menu interface. This option is designed to allow adjust the indicated duration for OSD characters in the preview interface.
For example, the OSD characters will hide automatically 5s if you select "5s".
3.4 REC Audio Yes (Start or Stop Audio Recording):
Select "REC Audio YES", and press BAND or CH when the default YES turns red to replace the default parameter. Only "Yes" and "NO" are optional.
3.5 SD Format NO (TF Card Formatting):
Select "SD Format: NO", and press BAND or CH when the default YES turns red to replace the default parameter. Only "Yes" and "NO" are optional.
When "YES" is selected, the "SD Format Set !" dialog box is displayed.
Press [search] to format the TF card. The system returns automatically when the formatting is completed. Press M to return to the menu items if you do not need to format.
3.6 Load Def NO (Restoring Default Setting):
Select "Load Def NO". Press BAND or CH to replace the parameters when the default value, "NO", turns red. Only "Yes" and "No" are optional.
When "YES" is selected, press [search] to restore the default setting. The system returns automatically to "NO" by default after restoration. You may press M to return to the menu items if you do not need to restore the default setting.
Press M again to return to Home.

V. Charging State Description:
1. The green charge indicator is on if the battery is not connected or is fully charged. The red charge indictor is on during charging. The scale of the battery icon indicated on the display changes dynamically.
2. An alarm may be generated if the battery is not connected. In this case, a lightning sign appears in the middle of the battery icon.
3. The icon is red in case of low battery. A dialog box is displayed when the battery power is running off.

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VI. Frequencies and Bands

CH / FR	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8
FR1 (A)	5865M	5845M	5825M	5805M	5785M	5765M	5745M	5725M
FR2 (B)	5733M	5752M	5771M	5790M	5809M	5828M	5847M	5866M
FR3 (E)	5705M	5685M	5665M	5645M	5885M	5905M	5925M	5945M
FR4 (F)	5740M	5760M	5780M	5800M	5820M	5840M	5860M	5880M
FR5 (R)	5658M	5695M	5732M	5769M	5806M	5843M	5880M	5917M
FR6 (L)	5362M	5399M	5436M	5473M	5510M	5547M	5584M	5621M

VII. List of Accessories:
1. Antenna...............................2 PCS
2. Power cable..........................1 PC
3. AV cord................................1 PC
4. Battery (1,500mAh)...............1 PC (optional)
5. User's manual ....1 PC

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