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› Fat Shark Scout FPV Goggles Headset FSV1132 User Manual

Fat Shark FSV1132

Fat Shark Scout FPV Goggles Headset

Model: FSV1132 | Brand: Fat Shark

INTRODUCTION

The Fat Shark Scout FPV Goggles Headset (Model FSV1132) is designed to provide an immersive First-Person View experience for drone piloting and other FPV applications. It features a patented panel goggle optical module, delivering a wide field of view and high resolution for clear visuals. The headset integrates advanced electronics for reliable reception and user-friendly controls, making it suitable for both new and experienced FPV enthusiasts.

PACKAGE CONTENTS

Upon opening your Fat Shark Scout FPV Goggles package, please verify that all the following components are present:

- 1x Fat Shark Scout FPV Goggles Headset
- 1x ImmersionRC SpiroNET 5.8GHz SMA Antenna
- 1x 5G8 Patch Antenna (built-in headset)
- 1x 18650 2600mAh Battery (built-in headset)
- 1x Headband

KEY FEATURES

- **Advanced Optics:** Patented panel goggle optical module with a 50-degree diagonal field of view (FOV) for an immersive experience.
- **High-Resolution Display:** 4.0-inch display with 1136 x 640 resolution and a 60 fps refresh rate, supporting NTSC/PAL auto-selection.
- **Enhanced Reception:** Diversity RX with an embedded 10 dB patch antenna for maximized signal reception.
- **Integrated DVR:** Analog DVR with MicroSD support up to 64 GB, recording at 6Mbps (MJPEG compression, 60 fps, MOV). Supports native recording file playback.

- **User-Friendly Design:** Ergonomically molded headset with an adjustable headband, embedded fan for comfort, and removable foam to accommodate glasses.
- **Convenient Charging:** Simple USB-C charging for the built-in 18650 Li-ion battery.
- **Upgradeable Firmware:** Firmware can be upgraded via SD card.

SETUP GUIDE

1. **Charge the Battery:** Connect the included USB-C cable to the goggles and a compatible USB power source (not included). The LED indicator will show charging status. Ensure the battery is fully charged before first use.
2. **Attach Antennas:** Screw the ImmersionRC SpiroNET 5.8GHz SMA Antenna onto the SMA connector on the goggles. The 5G8 Patch Antenna is built-in.
3. **Adjust Headband:** Place the goggles on your head and adjust the elastic headband for a comfortable and secure fit. Ensure the goggles sit snugly against your face to minimize light leakage.
4. **Insert MicroSD Card (Optional):** For DVR recording, insert a MicroSD card (up to 64 GB, not included) into the MicroSD slot.
5. **Power On:** Press and hold the power button until the display illuminates.



Image: Fat Shark Scout FPV Goggles with the ImmersionRC SpiroNET antenna attached and the adjustable headband in view. This illustrates the typical setup configuration.

OPERATION

Basic Controls:

- **Power Button:** Press and hold to power on/off. Short press to access menu options.
- **Channel Selection:** Use the designated buttons to cycle through available FPV channels.
- **Band Selection:** Use the designated buttons to switch between different FPV bands.
- **Display Control:** Adjust brightness, contrast, and other display settings via the menu.
- **Volume Control:** Adjust audio output volume.
- **Mode Selection (RX/AV/AUX):** Switch between internal receiver (RX), Audio/Video input (AV), or Auxiliary input (AUX) modes.
- **DVR Control:** Start/stop recording, play back recorded footage.

Connecting to an FPV Drone:

Ensure your FPV drone's video transmitter (VTX) is powered on and set to a compatible frequency and band. Use the channel and band selection controls on the Scout goggles to match the VTX frequency. A clear video feed should appear on the display. If the image is not clear, try fine-tuning the channel or checking for interference.



Image: Top view of the Fat Shark Scout FPV Goggles, highlighting the various control buttons and input/output ports for user interaction.

MAINTENANCE AND CARE

- **Cleaning:** Use a soft, lint-free cloth to clean the goggle lenses and display. Avoid abrasive materials or harsh chemicals.
- **Battery Care:** Store the goggles with a partially charged battery if not in use for extended periods. Avoid fully discharging the battery frequently to prolong its lifespan.
- **Storage:** Store the goggles in a cool, dry place away from direct sunlight and extreme temperatures.
- **Important Warning:** **Never expose the goggle lenses to direct sunlight.** This can cause irreversible damage to the internal LCD display. Always place the goggles face down or use a lens cover when not in use.



Image: Front view of the Fat Shark Scout FPV Goggles, showing the main body and lens area. This area should be protected from direct sunlight.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No image on display	Goggles not powered on; VTX not powered on; Incorrect channel/band; Loose antenna connection.	Ensure goggles and VTX are powered. Verify channel and band settings match. Check antenna connections.
Blurry or distorted image	Interference; Weak signal; Lens not clean; Goggles not properly seated on face.	Move to an area with less interference. Check VTX power output. Clean lenses. Adjust goggle fit.
DVR not recording	No MicroSD card; Full MicroSD card; Corrupted MicroSD card.	Insert a MicroSD card. Delete old files or use a new card. Format the MicroSD card (refer to manual for formatting instructions).
Short battery life	Battery not fully charged; Aging battery.	Ensure full charge before use. Consider replacing the 18650 battery if performance significantly degrades.

TECHNICAL SPECIFICATIONS

Category	Specification
Optics	FOV: 50 degrees diagonal; Type: Plastic optics
Display	4.0 inch; Resolution: 1136 X 640; NTSC/PAL auto selecting
Audio	Stereo
Electrical	Power Supply: Standard 18650 Li-ion battery; RF Modules: Infinite channel support on multiple bands
Analog DVR	MicroSD support to 64 GB; Record Rate: 6Mbps (MJPEG compression, 60 fps, MOV); File playback: native recording, no codec support; Upgradeable via SD card
Battery	3.7V, 2600mAh (18650 cell)
Interface	3.5mm AV in port; 3.5mm 3p earphone port; MicroSD; USB-C; AUX port
Mechanical	Ergonomically molded headset w/ adjustable headband
Dimensions	170 x 120 x 95 mm (6.7 x 4.72 x 3.74 inches)
Weight	336.5 g (12 ounces)

WARRANTY AND SUPPORT

For detailed warranty information and technical support, please refer to the official Fat Shark website or contact their customer service directly. Keep your proof of purchase for warranty claims. Online resources and FAQs may also be available to assist with common questions and issues.

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Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question