

# FAT' SHARK

## RC VISION SYSTEMS

### BASE SD FPV GOGGLE

### USER MANUAL



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For more product information, please visit:

[www.fatshark.com](http://www.fatshark.com)

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## Introduction

Congratulations on purchasing the Fat Shark BASE SD FPV video goggles with FPV specific features like high pass filtering for use with UHF RC controllers and video sync tip signal conditioning to tolerate poor video inputs resulting from mixed and compounded AV components. To ensure your continued enjoyment, please take the time to thoroughly read through this operating manual before using.

### ***IMPORTANT!!!! Product Warning!!!!***

***DO NOT LEAVE HEADSET EXPOSED TO DIRECT SUNLIGHT. SUNLIGHT WILL MAGNIFY THROUGH THE OPTICS AND BURN HOLES IN THE LCD COLOR FILTER (shows as white dots) THIS WILL NOT BE COVERED BY WARRANTY. KEEP GOGGLES IN PROTECTIVE CASE WHEN NOT IN USE***

***POWERING GOGGLES OFF RC PACKS MAY RESULT IN CABLE FIRES (RC PACKS HAVE NO SAFETY CIRCUITS TO PREVENT EXCESS CURRENT). IF POWERING OFF RC PACKS, USE POWER SHEILD ACCESSORY OR IRC POWERBOX. FAT SHARK WILL NOT BE RESPONSIBLE FOR ANY DAMAGE RESULTING FROM POWERING GOGGLES FROM RC PACKS.***

## Product contents

Zipper Carry Case



BASE SD Headset



3m AV Cable



5cm Power Lead



Manual



## Controls Diagram



## Controls

### **Brightness/contrast control:**

Pressing left and right increases/decreases display contrast. Press forward/back increases/decreases brightness.

**Volume control:** There is no volume control volume level is set at high. Use adjustable earphone accessory for volume control.

## Accessories

### ***Diopter lens***

For near sighted users, diopter lens insert sets are available that include -2, -4 and -6 dpt.

### ***Adjustable Earphones***

For simplicity and minimalist controls, the AttitudeSD does not have volume control. Audio is outputting at max volume and needs to be adjusted to comfortable level via adjustable volume earphones.

### ***Power Shield***

Offers reverse voltage and 2A fused short protection for safely powering off RC packs. RC packs are dangerous as they have no safety circuit to limit discharge power. Power Shield eliminates risk of cable fire.

# Specifications

## ***Headset Specifications***

### ***Optics:***

- FOV 35 degrees diagonal
- Interpupillary (IPD) distance: 59 – 69 mm (adjustable)

### ***Audio:***

- Stereo

### ***User Controls:***

- Contrast/brightness

### ***Electrical:***

- Power supply, 7-13V (2S/3S supply)
- Power consumption (@12V): 100mA

### ***System:***

- NTSC/PAL auto select

### ***Mechanical:***

- Ergonomic molded shape.
- Secured rubber eye cups for ambient light reduction.
- Weight: 120g
- Adjustable headband

### ***Display***

- Two full color micro VGA LCD's (640 X 480 lines)
- Resolution 922,000 pixels per eye

### ***Interface***

- 6p Square Futaba for AV and power
- 3.5mm 3p Earphone port

## Warranty

The system can be exchanged for a new unit within 30 days for any manufacturing defects if returned in new condition. The video headset will be warranted for repair for 2 years if no signs of excessive use. Buyer will be responsible for shipping costs. If beyond the warranty period we will provide repair services.

## Trouble shooting

If your problem can't be solved here, please visit our support forum at [FPVLAB.com](http://fpvlab.com/forums/) <http://fpvlab.com/forums/> SPONSORS GATE/ FAT SHARK

A support enquires will be first directed to this forum for the benefit of all customers