FOXEER Wildfire 5.8GHz 72CH Goggle Receiver Module

FOXEER Wildfire 5.8GHz 72CH Goggle Receiver Module User Manual

Model: Wildfire 5.8GHz 72CH Goggle Receiver Module

INTRODUCTION

The FOXEER Wildfire is an advanced 5.8GHz receiver module designed for FPV (First Person View) goggle systems. It is compatible with all Fat Shark Dominator Goggles, enhancing your FPV experience with improved signal reception and stability. This module incorporates cutting-edge RF technology to deliver a clear and reliable video feed, even in challenging multi-path environments.

Key features include anti-rolling shutter technology to prevent desynchronized images, an OLED screen for easy navigation, OSD (On-Screen Display) support, and firmware update capabilities. The module also features a 5-way button for intuitive control and an integrated cooling fan for optimal performance.

PRODUCT OVERVIEW

Figure 1: FOXEER Wildfire 5.8GHz 72CH Goggle Receiver Module. This image displays the top view of the black module, highlighting its

dual antenna ports, the area for the OLED screen, the 5-way control button with a red indicator, and the integrated cooling fan on the right side.

The Wildfire module is designed for seamless integration into compatible FPV goggles. It features two antenna connectors for diversity reception, an OLED display for real-time information, and a multi-directional button for menu navigation. A small fan is visible on one side, indicating active cooling for sustained performance.

SETUP INSTRUCTIONS

1. **Compatibility Check:** Ensure your FPV goggles are Fat Shark Dominator series (V1, V2, V3, HD1, HD2, HD3, SE, HDO, and HDO2) for proper compatibility.

2. **Module Insertion:** Carefully insert the Wildfire module into the designated module bay of your Fat Shark goggles. Ensure it is seated firmly.

3. **Antenna Connection:** Attach your 5.8GHz FPV antennas to the two SMA/RP-SMA connectors on the module. It is recommended to use two different types of antennas (e.g., one patch and one omnidirectional) for optimal diversity performance.

4. **Power On:** Power on your Fat Shark goggles. The Wildfire module should initialize and display information on its OLED screen.

OPERATING INSTRUCTIONS

5-Way Button Navigation:

- **Press (Short):** Enters menu or confirms selection.
- **Press (Long):** Exits menu or returns to previous screen.
- **Up/Down:** Navigates through menu options or adjusts values.
- **Left/Right:** Changes bands/channels or fine-tunes settings.

Menu Options:

- **Channel:** Manually select your desired 5.8GHz channel.
- **Favorites:** Store and quickly access frequently used channels.
- **Finder:** Automatically scans for active FPV video signals and displays signal strength.
- **Band Scan:** Scans all available bands and channels, showing signal strength for each.
- **Setting:** Access various module settings, including OSD preferences and advanced options.

Firmware Update:

The Wildfire module supports firmware updates via its Micro-USB port. Connect the module to a computer using a Micro-USB cable. Visit the official FOXEER website for the latest firmware and update instructions. Ensure stable power during the update process to prevent damage.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the module's exterior. Avoid using liquid cleaners or solvents.
- **Storage:** Store the module in a dry, cool place away from direct sunlight and extreme temperatures.
- **Antenna Care:** Always handle antennas by their base, not the cable, to prevent damage to the connectors.
- **Firmware:** Periodically check the FOXEER website for new firmware versions to ensure optimal performance and

access to new features.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No video signal / Black screen	Incorrect channel/band selected; Antennas not connected; Transmitter off or out of range; Module not fully seated.	Verify channel/band matches transmitter; Ensure antennas are securely attached; Check transmitter power and range; Re-insert module firmly into goggles.
Poor video quality / Static	Interference; Weak signal; Damaged antennas; Incorrect antenna type for environment.	Move to an area with less interference; Check transmitter power; Inspect antennas for damage and replace if necessary; Try different antenna types (e.g., directional for longer range).
OLED screen not displaying	Module not receiving power; Module fault.	Ensure goggles are powered on and module is correctly inserted; Contact FOXEER support if issue persists.
Module overheating	Insufficient airflow; Prolonged use in high temperatures.	Ensure the integrated fan is not obstructed; Operate in a well-ventilated area; Allow module to cool down if necessary.

SPECIFICATIONS

Feature	Detail
Brand Name	FOXEER
Item Name	Wildfire 5.8GHz 72CH Goggle Receiver Module
Compatibility	All Fatshark series goggles (V1, V2, V3, HD1, HD2, HD3, SE, HDO and HDO2)
Appearance	OLED screen, 5-way Button, Micro-USB, 1504 Fan
Menu Options	Channel, Favorites, Finder, Band Scan, Setting
Frequency	5.8G 72CH
RF Sensitivity	-98dBm
Update Support	OSD and Firmware Update
Power Consumption	5V 400mA±10%
Power Requirement	5~16V
Color Options	Black, Fluorescent Green (Red discontinued)
Weight	30g
ASIN	B0877BM1HC

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official FOXEER website or contact their customer service directly. Keep your proof of purchase for warranty claims.
Official FOXEER Website: www.foxeer.com (Note: This is a placeholder URL as no specific support URL was provided in the input JSON. Users should always refer to the official product packaging or manufacturer's website for precise support details.)