

SKYZONE M5F

SKYZONE M5F 5-inch FPV Monitor with DVR User Manual

Model: M5F | Brand: SKYZONE

1. INTRODUCTION

Thank you for choosing the SKYZONE M5F 5-inch FPV Monitor with DVR. This manual provides essential information for the proper setup, operation, and maintenance of your device. Please read this manual thoroughly before using the monitor to ensure safe and optimal performance.

Safety Precautions

- Always read the entire manual to familiarize yourself with the product before operation.
- Avoid operating the monitor in humid or wet environments.
- The monitor cannot record video input from the AV port.
- Audio output and video input cannot function simultaneously.

2. PACKAGE CONTENTS

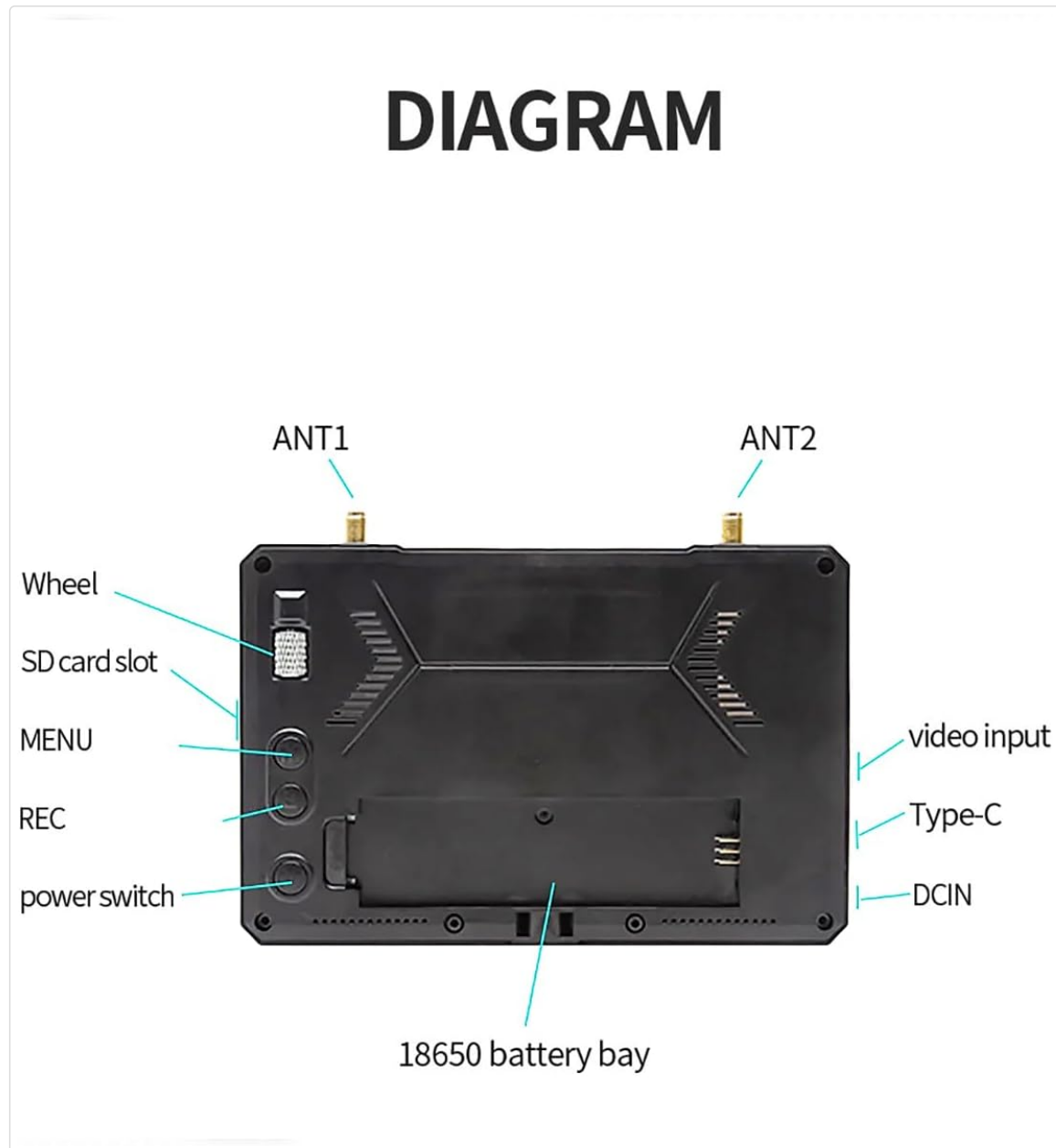
Verify that all items listed below are included in your package:

- 1 x SKYZONE M5F 5-inch FPV Monitor with DVR
- 2 x Antennas
- 1 x USB Charging Cable
- 1 x User Manual

3. PRODUCT OVERVIEW

The SKYZONE M5F is a high-brightness 5-inch FPV monitor featuring a built-in DVR and a 5.8GHz 48-channel receiver. It supports advanced signal reception modes for enhanced video stability.

Component Diagram



This diagram illustrates the various ports and controls on the SKYZONE M5F FPV Monitor, including antenna connectors (ANT1, ANT2), the shuttle wheel, SD card slot, MENU button, REC button, power switch, 18650 battery bay, video input, Type-C port, and DCIN port.

Key Features

- **Built-in Steadyview Receiver:** Features two reception modes:
 - **Diversity Mode:** The receiver compares two RSSI signals and selects the strongest output. Rapid signal changes may cause image tearing or rolling.
 - **MIX Mode:** Two signals are processed through complex circuits and algorithms, fusing them into a single, more stable and clear image.
- **Multiple Power Supply Options:** Supports 2-6S LiPo batteries, USB-C power supply, or an 18650 Li-ion battery.

SKYZONE 5 Inch FPV Monitor

MIX mode/Diversity mode



The SKYZONE M5F FPV Monitor supports both MIX mode and Diversity mode for optimized video reception, providing a stable and clear image from your FPV drone.

4. SETUP

4.1 Attaching Antennas

Carefully screw the two provided antennas onto the ANT1 and ANT2 connectors located on the top of the monitor. Ensure they are finger-tight to establish a secure connection.

4.2 Powering the Monitor

The SKYZONE M5F monitor offers flexible power options:

- **18650 Li-ion Battery:** Insert a fully charged 18650 Li-ion battery into the battery bay on the back of the monitor, observing correct polarity.
- **2-6S LiPo Input:** Connect a 2-6S LiPo battery to the DCIN port using the appropriate cable.
- **USB-C Power Supply:** Connect a USB-C cable to the Type-C port and a compatible USB power source (e.g., a power bank or wall adapter).

Multiple power supply



Support 18650 Lipo
Battery Replacement

Supports 2-6S Lipo
Input



Type-C / USB
Power Supply



The SKYZONE M5F monitor supports multiple power input methods, including an 18650 Li-ion battery, 2-6S LiPo battery, and USB-C power supply, offering versatility for various FPV setups.

4.3 Inserting SD Card

For DVR recording functionality, insert a C10 high-speed TF (microSD) card into the SD card slot on the side of the monitor. Ensure the card is inserted correctly until it clicks into place.

5. OPERATION

5.1 Power On/Off

Press and hold the power switch button located on the side of the monitor to turn the device on or off.

5.2 Channel Search

The monitor features an automatic channel search function for convenience.

- To initiate an auto search, press the designated button (refer to the diagram in Section 3).
- Use the shuttle wheel to fine-tune frequency selection if needed after the auto search.

Auto search one click frequency search

Shuttle wheel control, fast, accurate



The monitor's auto search function allows for quick and accurate frequency scanning, with fine-tuning capabilities via the shuttle wheel.

5.3 Menu Navigation

Navigate through the monitor's settings and options using the MENU button and the shuttle wheel. The shuttle wheel provides fast and accurate control for selecting items and adjusting values.

5.4 DVR Recording

To record your FPV feed, ensure a high-speed TF card is inserted. Press the REC button to start and stop recording. Recorded videos are saved in AVI format.

5.5 AV Input/Output

The monitor includes an AV interface for external audio and video input or audio output. Note that video input from the AV port cannot be recorded, and audio output and video input cannot be used simultaneously.

6. SPECIFICATIONS

Feature	Specification
Display Size	5 inches
Resolution	800 x 480 pixels
Brightness	500 cd/m ²
Display Ratio	16:9
Frequency	5.8 GHz
Number of Channels	40 CH
Video File Format	AVI
Power Supply	DC5V/2A, supports DV5-23V wide voltage
Automatic Channel Search	Yes
Snow Screen Function	Yes
Card Slot	Supports C10 high-speed TF card
AV Interface	External audio/video input or audio output
Battery Life (Built-in)	Approx. 2.5 hours (DVR on), Approx. 3.5 hours (DVR off)
Antenna Connectors	2 x RP-SMA male hole
Dimensions	146 x 80 x 13 mm (5.75 x 3.15 x 0.51 inches)
Weight	159g (5.6 oz) (excluding antennas)
Model Name	SKYZONE M5F
Connectivity Technology	5.8GHz
Video Capture Resolution	800x480
Item Weight	165 Grams (5.8 ounces)
Product Dimensions	5.3"L x 0.6"W x 3.5"H

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your SKYZONE M5F monitor.

- **No Power:** Ensure the battery is charged and correctly inserted, or that the external power supply is connected and functioning. Check the power switch.
- **No Video Signal:** Verify that antennas are securely attached. Perform an auto channel search. Ensure your FPV transmitter is powered on and transmitting on a compatible frequency. Check for obstructions between the transmitter and receiver.
- **Poor Video Quality (Tearing/Rolling):** This may occur in Diversity Mode with rapidly changing

signals. Try switching to MIX Mode for a more stable image. Ensure antennas are positioned optimally.

- **DVR Not Recording:** Confirm a C10 high-speed TF card is inserted correctly and has sufficient free space. Ensure the card is formatted correctly (FAT32 recommended).
- **AV Input/Output Issues:** Remember that video input from the AV port cannot be recorded, and audio output and video input cannot be used simultaneously. Ensure correct cables are used for AV connections.

8. MAINTENANCE

To ensure the longevity and optimal performance of your SKYZONE M5F monitor, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the monitor's screen and casing. Avoid abrasive cleaners or solvents.
- **Storage:** Store the monitor in a cool, dry place away from direct sunlight and extreme temperatures. Remove batteries if storing for extended periods.
- **Antennas:** Handle antennas with care to prevent damage to the connectors.

9. WARRANTY AND SUPPORT

No specific warranty information is provided in the product details. For technical support or service inquiries, please contact your retailer or the manufacturer, SKYZONE.

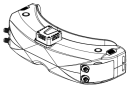
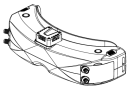


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Related Documents - M5F



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Detailed user manual for the Skyzone SKY04L FPV Goggles. Learn about specifications, setup, features like LCOS display, SteadyView receiver, DVR, head tracking, and firmware updates. Includes troubleshooting and system settings.

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<div><div>SKYZONE</div><div>SKY04O PRO/04X PRO FPV Goggle USER MANUAL</div><div></div><div>001 0001</div></div>	<p>Skyzone SKY04O PRO/04X PRO FPV Goggle User Manual</p> <p>Comprehensive user manual for the Skyzone SKY04O PRO and SKY04X PRO FPV goggles, detailing specifications, setup, features like SteadyView receiver, DVR, Head Tracking, system menu, and firmware updates.</p>
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