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FLYDrone S8

FLYDrone S8 Drone Simulator Controller User Manual



The FLYDrone S8 Drone Simulator Controller is designed for FPV beginner pilots training, offering precise control

and broad compatibility with various flight simulators. This manual provides essential information for setup, operation, and maintenance.

PRODUCT OVERVIEW

The FLYDrone S8 Drone Simulator Controller features dual-bearing joysticks for smooth and sensitive control, replicating real FPV flight tactile feedback. Its ergonomic design ensures comfortable handling for extended training sessions.



Image Description: A person wearing headphones is actively using the FLYDrone S8 controller, connected to a computer running a drone flight simulator. The screen displays a drone's first-person view within a virtual environment.

Controller Components



Front joystick

- ① Throttle/Yaw Stick
- ② Pitch/Roll Stick
- ③ LED Ring
- ④ Power Button



Multi-model
aircraft



Multiple game
software



High quality
options



lightweight
design

Rear joystick

- ⑤ Switch A
- ⑥ Switch C
- ⑦ Switch B
- ⑧ Switch D



Image Description: A detailed diagram of the FLYDrone S8 controller, highlighting its front and rear components. Labels include Throttle/Yaw Stick, Pitch/Roll Stick, LED Ring, Power Button, and Switches A, B, C, D.

SETUP

What's Included

Your FLYDrone S8 package contains the following items:

- 1 x S8 FPV Simulator Controller (Mode 2)
- 1 x USB Type-C Cable
- 1 x Instruction Manual



Image Description: The FLYDrone S8 FPV Simulator Controller, its retail box, a USB Type-C cable, and a small instruction manual are laid out on a dark surface.

Connecting Your Controller

The S8 controller is designed for plug-and-play functionality. Simply connect it to your computer or compatible Android device via the provided USB Type-C cable. No external battery is required.

CONVENIENT CONNECTION

For connecting to smartphones or tablets, simply use an OTG adapter or a dual Type-C cable



Image Description: The FLYDrone S8 controller is shown connected via USB-C to both a smartphone and a tablet, demonstrating its plug-and-play portability across different devices.

OPERATING INSTRUCTIONS

Simulator Compatibility

The S8 controller offers universal compatibility with a wide range of FPV and RC flight simulators on Windows, macOS, and Android platforms. Supported simulators include Uncrashed, Liftoff, DCL, DRL, RealFlight Evolution, TRYP FPV, Velocidrone, FPV Logic, Aerofly RC 10, DJI Flight Simulator, FeelFPV, and FPV Battleground.

RC Flight Simulator	 WINDOWS	 MacOS	 Android
Liftoff	✓	✓	✗
DRL	✓	✓	✗
DCL	✓	✓	✗
AI Drone Simularot	✓	✓	✗
TRYP	✓	✓	✗
FPV Logic	✓	✗	✗
VelociDrone	✓	✓	✗
FPV Worldwide	✓	✗	✗
SkyDive	✓	✓	✗
Freeride	✓	✓	✓
Uncrashed	✓	✓	✓
FPV Battleground	✓	✗	✗
Feel FPV	✗	✗	✓
Real Flight Evolution	✓	✗	✗
Simu Flight	✗	✗	✓

Image Description: A table illustrating the compatibility of the S8 controller with various RC flight simulators across Windows, macOS, and Android operating systems. Green checkmarks indicate compatibility, while red crosses indicate non-compatibility.

Mode Switching and Calibration

The S8 controller supports multiple modes, each corresponding to a different flight simulator. Follow the specific calibration steps within your chosen simulator for optimal performance.

Blue Light Mode (Phoenix Simulator)

Your browser does not support the video tag.

Video Description: A tutorial demonstrating how to connect the S8 Pro controller to the Phoenix Simulator using Blue Light Mode. It shows the mode key press, entering calibration, centering joysticks, moving levers to maximum positions, and assigning functions.

Green Light Mode (DJI Virtual Flight)

Your browser does not support the video tag.

Video Description: A short preview demonstrating the S8 Pro controller in Green Light Mode for DJI Virtual Flight. It shows adjusting rear levers and mode switching.

Purple Light Mode (AeroFly RC)

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Video Description: A quick start guide for configuring the S8 controller with AeroFly RC. It shows holding the mode key for purple light, navigating to controller settings, selecting USB Remote, and following on-screen calibration instructions.

Yellow Light Mode (Steam Universal Mode)

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Video Description: A tutorial on using the S8 Flight Simulator Controller with Steam Universal Mode (Yellow Light). It demonstrates manual calibration of channels in simulator settings and checking control precision in free-flight mode.

MAINTENANCE

General Care

To ensure the longevity and optimal performance of your FLYDrone S8 controller, store it in a cool, dry place away from direct sunlight and extreme temperatures. Avoid exposing the controller to moisture or corrosive substances.

Cleaning

Wipe the controller's surface with a soft, dry cloth. For stubborn dirt, slightly dampen the cloth with water. Do not use harsh chemicals or abrasive cleaners, as these can damage the finish.

TROUBLESHOOTING

Controller Not Recognized

- Ensure the USB Type-C cable is securely connected to both the controller and your device.
- Try connecting to a different USB port or using a different USB Type-C cable.
- Restart your computer or mobile device.
- Verify that your operating system (Windows, macOS, Android) is up to date.

Calibration Issues

- Refer to the specific calibration instructions within your chosen flight simulator. Each simulator may have unique steps.
- Ensure all joysticks and switches are centered or at their maximum/minimum positions as prompted during calibration.
- If the joystick direction is opposite to the simulator's response, check for an "invert" option in the simulator's control settings.

SPECIFICATIONS

- **Model:** S8 Drone Simulator Controller
- **Brand:** FLYDrone
- **Dimensions:** 4.7 x 2 x 6 inches

- **Item Weight:** 5.6 ounces
- **Connectivity:** USB Type-C (Plug & Play)
- **Compatibility:** Windows, macOS, Android (with OTG adapter for some devices)
- **Channels:** 8
- **Joystick Type:** Dual-bearing mechanical joysticks

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided in your product packaging or visit the official FLYDrone website.