

VIFLY Beacon

VIFLY Beacon Self-powered Drone Buzzer User Manual

INTRODUCTION

The VIFLY Beacon is a compact, self-powered drone buzzer designed to help locate lost drones. It features a built-in motion sensor and a rechargeable battery, enabling it to detect drone crashes and emit an alarm. This manual provides essential information for the proper use and maintenance of your VIFLY Beacon.

PRODUCT FEATURES

- **Self-Powered Operation:** Integrated LiPo battery allows independent function.
- **Motion Sensor:** Automatically detects drone crashes and initiates the alarm sequence.
- **Loud Beeper:** Emits an audible alarm exceeding 100dB to aid in location.
- **Automatic LED Light:** Built-in light sensor activates flashing LED lights in low-light conditions for enhanced visibility.
- **Wireless Design:** No wiring or soldering required for installation.
- **Theft Deterrent:** Continuous beeping when quick movement is detected during alarm state.
- **Universal Compatibility:** Suitable for various drone types, including aerial photography quads, FPV quads, and airplanes.

PACKAGE CONTENTS

The VIFLY Beacon package typically includes:

- VIFLY Beacon Unit
- USB Charging Cable
- Mounting Accessories (e.g., zip tie, adhesive pad)
- User Manual



Image showing the VIFLY Beacon unit, a small user manual, a zip tie, and a 3M adhesive pad, which are typically included in the product package.

SETUP AND INSTALLATION

Charging the VIFLY Beacon

The VIFLY Beacon comes with a built-in rechargeable battery. Before first use, ensure the device is fully charged. Connect the VIFLY Beacon to a standard USB power source using a compatible charging cable. The charging indicator will show the charging status.

Mounting the Device

The VIFLY Beacon is designed for easy, wireless installation without the need for soldering.

1. **Choose a Location:** Select a secure and visible location on your drone. Common areas include the drone's frame, arm, or top plate.
2. **Attachment Methods:**
 - **Adhesive Pad:** Use the provided 3M adhesive pad to firmly attach the Beacon to a flat surface on your drone. Ensure the surface is clean and dry before application.
 - **Zip Tie:** For a more secure attachment, especially on drone arms or irregular surfaces, use the provided zip tie to fasten the Beacon. Ensure it is tight enough to prevent movement but does not damage the

drone.

3. **Orientation:** Position the Beacon so the buzzer and LED are not obstructed, allowing for maximum sound and light output.



Illustration demonstrating two methods of attaching the VIFLY Beacon to a drone: using a Velcro strap on the main body and a zip tie on a drone arm.



A VIFLY Beacon attached to the front top section of a grey drone, positioned near the camera gimbal.



A VIFLY Beacon attached to the arm of a grey drone using a zip tie, positioned close to the propeller.

OPERATING INSTRUCTIONS

Powering On/Off

Locate the power switch on the VIFLY Beacon. Slide the switch to the "ON" position to activate the device before flight. Slide to "OFF" after use to conserve battery.

Flight Mode

During normal flight, the VIFLY Beacon remains in a standby mode, monitoring for unusual movement.

Crash Detection and Alarm

If the drone crashes or experiences significant impact, the built-in motion sensor will detect the event. The Beacon will then enter an alarm sequence:

1. **Pre-Alarm Phase:** The device may emit quiet beeps for a short period (e.g., 30 seconds) to confirm a potential crash.
2. **Alarm Mode:** If no further movement is detected after the pre-alarm phase, the Beacon will activate its loud beeper and flashing LED lights. The beeping pattern and light intensity may increase over time to aid in

location.



An image of the VIFLY Beacon with red concentric circles emanating from it, symbolizing the alarm sound, and a red siren icon, indicating its function as a lost drone alarm.

Automatic LED Light Activation

The VIFLY Beacon features a light sensor. In low-light conditions or darkness, the LED lights will automatically begin flashing to improve visibility and help locate the drone, especially during night searches.

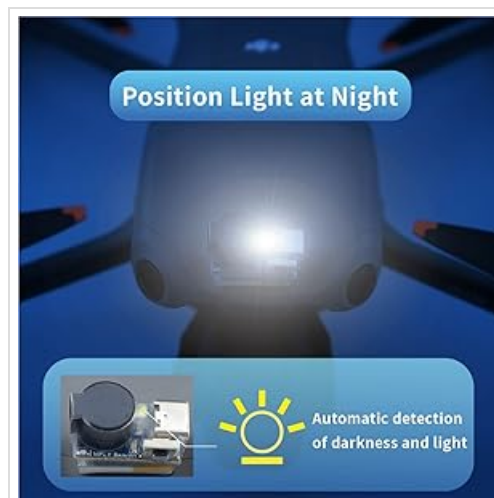


Image showing the VIFLY Beacon mounted on a drone in a dark environment, with its LED light illuminated, demonstrating its automatic light activation feature for night visibility.

Theft Deterrent Function

If the VIFLY Beacon is in an active alarm state and detects quick, unauthorized movement (e.g., someone picking up the drone), it will emit a continuous, aggressive beeping sound to deter theft and alert the owner.



Illustration of a person attempting to take a drone with the VIFLY Beacon, which is emitting an alarm, signifying its theft deterrent function.

MAINTENANCE

- **Charging:** Regularly charge the VIFLY Beacon to ensure it is ready for use. A fully charged battery provides extended alarm duration.
- **Cleaning:** Keep the device clean from dirt, dust, and debris. Use a soft, dry cloth for cleaning. Avoid using harsh chemicals or abrasive materials.
- **Storage:** Store the VIFLY Beacon in a cool, dry place when not in use. For long-term storage, it is recommended to charge the battery periodically to maintain its health.
- **Inspection:** Periodically inspect the device for any signs of damage to the casing or charging port.

TROUBLESHOOTING

Device Not Beeping/Flashing

- **Check Battery:** Ensure the VIFLY Beacon is sufficiently charged. Connect it to a USB power source.
- **Power Switch:** Verify the power switch is in the "ON" position.
- **Motion Detection:** The alarm activates upon detecting a crash or significant impact. Gentle movement may not trigger the full alarm sequence.
- **Light Sensor:** The LED light activates automatically in dark conditions. Test in a dimly lit environment.

Alarm Too Quiet

- **Obstructions:** Ensure the buzzer is not obstructed by drone components or debris.
- **Environment:** External noise levels can affect perceived loudness. The device is designed to be loud in typical outdoor environments.

Short Battery Life

- **Full Charge:** Ensure the device is fully charged before each use.
- **Age of Battery:** Like all rechargeable batteries, capacity may decrease over time with repeated charge cycles.

SPECIFICATIONS

Brand	VIFLY
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Model Name	Beacon
Special Feature	Lost drone alarm by motion sensor, wireless design, loud beeper, and automatic LED lights
Connectivity Technology	Wireless
Included Components	Battery (internal), Mounting accessories (zip tie, adhesive pad)
Item Weight	Approximately 1.58 ounces (45 grams)
Material	Plastic
Battery Type	Lithium Polymer (rechargeable, included)
UPC	714676995170

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official VIFLY website or contact their customer service directly. Keep your purchase receipt for warranty claims.

www.viflydrone.com