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VGEBY VGEBY0svdf93ica-11

VGEBY 2.4GHz RC Extender Antenna Instruction Manual

Model: VGEBY0svdf93ica-11

1. INTRODUCTION

The VGEBY 2.4GHz RC Extender Antenna is designed to enhance the signal strength and extend the range of your drone's remote control. This accessory is compatible with the FPV Combo Controller 2, providing a more stable and extended flight experience by focusing the signal transmission.

2. PACKAGE CONTENTS

Please verify that all items are present in your package:

- 2 x RC Signal Extender Antenna (Black)



Image: Two VGEBY 2.4GHz RC Extender Antennas.

3. SAFETY INFORMATION

To ensure safe operation and prevent damage, please observe the following safety guidelines:

- Always ensure the extender antennas are securely attached to your remote control before operating your drone.
- Do not attempt to modify the antennas. Unauthorized modifications may affect performance and safety.
- Keep the product away from extreme temperatures, direct sunlight, and moisture.
- Store the antennas in a safe place, out of reach of children and pets.
- Always follow the safety guidelines provided with your drone and remote control.

4. SETUP AND INSTALLATION

Follow these steps to install the RC Extender Antennas on your FPV Combo Controller 2:

1. Locate the existing antennas on your FPV Combo Controller 2.
2. Carefully align one VGEBY RC Extender Antenna with one of the controller's antennas. Push the extender antenna firmly onto the controller's antenna.
3. Ensure the extender antenna is clamped tightly and fully seated. The installation port is designed to be snug, so a firm push may be required.
4. Repeat the process for the second extender antenna on the other side of the controller.

5. Once both extender antennas are installed, you can rotate them to adjust their direction and position for optimal signal focus.



Image: VGEBY Extender Antennas installed on an FPV Combo Controller.



Image: Detail of the antenna attachment point.

5. OPERATING INSTRUCTIONS

After successful installation, the VGEBY RC Extender Antennas will passively enhance your remote control's signal. To achieve the best performance and maximize flight range:

- **Directional Focus:** The extender antennas are designed to focus the signal in a specific direction. For optimal signal strength, ensure the flat side of the antennas is generally pointed towards your drone during flight.
- **Maintain Line of Sight:** Always maintain a clear line of sight between your remote control and the drone. Obstacles can still interfere with the signal, even with the extender antennas.
- **Signal Stability:** The enhanced signal stability can help reduce the occurrence of signal loss, contributing to safer drone operation.

The reflector can effectively eliminate the backlobe of the antenna pattern, and together with the director enhances the sensitivity of the antenna to the forward signal, so that the antenna has a strong directivity, and the antenna gain is improved



Image: Illustration of signal pattern improvement with extender antennas.

6. MAINTENANCE

Proper care will ensure the longevity and performance of your VGEBY RC Extender Antennas:

- **Cleaning:** Use a soft, dry cloth to wipe the antennas clean. Avoid using harsh chemicals or abrasive materials.
- **Storage:** Store the antennas in a cool, dry place when not in use. Protect them from physical impact.
- **Handling:** While the copper elements are designed to be flexible, avoid excessive or sharp bending to prevent damage.

7. TROUBLESHOOTING

If you encounter issues with your VGEBY RC Extender Antennas, consider the following:

- **No Signal Improvement:**
 - Ensure both extender antennas are fully and securely installed on the controller's antennas.
 - Verify that the antennas are pointed towards the drone during flight.

- Confirm compatibility with your specific drone controller model (FPV Combo Controller 2).
- **Difficulty Installing:**
 - The installation port is designed to be tight for a secure fit. Apply firm, even pressure when pushing the antennas into place.

8. SPECIFICATIONS

Item Type	RC Signal Extender Antenna
Material	Silicone + Copper
Size (Approx.)	8.8 x 6 x 2 cm (3.5 x 2.4 x 0.8 inches)
Weight (Approx.)	57.0 g (2.0 oz)
Compatibility	FPV Combo Controller 2



Image: Product dimensions.

9. WARRANTY AND SUPPORT

For any product-related inquiries, technical support, or warranty claims, please contact VGEBY customer service through your purchase platform or the official VGEBY website. Please have your model number (VGEBY0svdf93ica-11) and proof of purchase ready.

