

## Tilta TGA-WCR

# Tilta Wireless Control Receiver Module (Model TGA-WCR)

Instruction Manual

## 1. INTRODUCTION

The Tilta Wireless Control Receiver Module (Model TGA-WCR) is designed to enhance the functionality of your DJI RS2, RS3 Pro, RS4, or RS5 gimbal system. This module enables wireless remote control over various gimbal movements, camera settings, and DJI wireless lens control motors, providing greater flexibility and control during operation. It integrates seamlessly with compatible Tilta control handles and accessories, drawing power directly from the gimbal for a cable-free setup.

## 2. SAFETY INFORMATION

- Read all instructions before use to ensure proper operation and prevent damage.
- Keep the module away from water, moisture, and extreme temperatures.
- Do not attempt to disassemble or modify the module. Repairs should only be performed by authorized personnel.
- Ensure the module is securely attached to the gimbal before operation to prevent accidental detachment.
- Use only with compatible DJI RS series gimbals as specified.

## 3. PACKAGE CONTENTS

The Tilta Wireless Control Receiver Module package typically includes:

- Tilta Wireless Control Receiver Module (TGA-WCR)
- User Manual (this document)

## 4. SETUP

### 4.1 Attaching the Module

The TGA-WCR module is designed for quick and secure attachment to your compatible DJI RS series gimbal. It draws power directly from the gimbal, eliminating the need for additional cables or batteries for the module itself.



Figure 1: Tilta Wireless Control Receiver Module (TGA-WCR)

To attach the module:

1. Locate the designated mounting point on your DJI RS2, RS3 Pro, RS4, or RS5 gimbal. This is typically a port designed for accessories.
2. Align the module's connector with the gimbal's port.
3. Gently push the module into place until it clicks or is firmly seated. Ensure the locking mechanism (if present) is engaged to prevent accidental removal.



Figure 2: Module attached to a DJI Ronin gimbal

## 4.2 Pairing with Wireless Controllers

The module facilitates quick pairing with compatible Tilta wireless controllers (e.g., Advanced Ring Grip, Float System, Remote Control Kit). Refer to your specific Tilta wireless controller's manual for detailed pairing instructions. Once paired, the module enables instant communication between your control handles, the gimbal body, and DJI wireless lens control motors.

## 5. OPERATING INSTRUCTIONS

Once the Tilta Wireless Control Receiver Module is securely attached and paired with your Tilta wireless controller, you can begin to remotely control your gimbal system.

### 5.1 Gimbal Movement and Settings Control

Utilize your Tilta wireless controller to manipulate the gimbal's pan, tilt, and roll axes. Specific controls for adjusting gimbal settings (e.g., follow modes, speed) will be available through your controller's interface. Consult your controller's manual for a comprehensive guide to its functions.

## 5.2 Camera Control

The module enables remote control of various camera functions when connected to a compatible camera and gimbal setup. This may include start/stop recording, photo capture, and other accessible camera settings. Ensure your camera is properly connected to the gimbal and configured for remote control.

## 5.3 DJI Wireless Lens Control Motor Integration

For precise focus, iris, and zoom control, the module facilitates communication with DJI wireless lens control motors. This allows you to operate these motors remotely via your Tilta wireless controller, providing fine-tuned adjustments for your lenses.

Your browser does not support the video tag.

Video 1: Tilta Ecosystem for DJI RS2 Introduction. This video demonstrates the broader Tilta ecosystem for DJI RS2, including how various components like the wireless control receiver module integrate for enhanced operation.

## 6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the module. Avoid using harsh chemicals or abrasive materials.
- **Storage:** Store the module in a cool, dry place away from direct sunlight and extreme temperatures when not in use.
- **Inspection:** Periodically inspect the connectors for any signs of wear or damage.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Module not responding	Not properly connected to gimbal.	Ensure the module is firmly seated in the gimbal's accessory port.
Module not responding	Not paired with controller.	Refer to your wireless controller's manual for pairing instructions.
Intermittent connection	Environmental interference or distance.	Reduce distance between module and controller; avoid areas with strong wireless interference.
No camera/lens control	Camera/lens motor not properly connected or configured.	Verify all connections and settings for your camera and lens motors.

## 8. SPECIFICATIONS

- **Brand:** Tilta
- **Model Name:** TGA-WCR
- **Model Number:** TGA-WCR
- **Color:** Black
- **Compatible Devices:** DJI RS2, DJI RS3 Pro, DJI RS4, DJI RS5

- **Connectivity Technology:** Infrared
- **Battery Type:** None required (draws power from gimbal)
- **Item Weight:** 3.08 Kilograms (Note: This weight seems unusually high for a module and might be a data error, typically modules are much lighter. Please verify actual product weight.)

## 9. WARRANTY INFORMATION

---

Tilta products are covered by a limited warranty against defects in materials and workmanship. The specific terms and duration of the warranty may vary by region and product. Please retain your proof of purchase for warranty claims. For detailed warranty information, visit the official Tilta website or contact customer support.

## 10. CUSTOMER SUPPORT

---

If you encounter any issues or have questions regarding your Tilta Wireless Control Receiver Module, please refer to the troubleshooting section of this manual. For further assistance, technical support, or service inquiries, please visit the official Tilta website or contact their customer service department through the contact information provided on their website.