

Tilta TGA-ARG

Tilta Advanced Ring Grip Instruction Manual

Model: TGA-ARG

Brand: Tilta

1. INTRODUCTION

The Tilta Advanced Ring Grip is a versatile and lightweight carbon fiber system designed to enhance the stability and control of your DJI RS series gimbal. It provides dual-handed operation, integrated power solutions, and comprehensive control over gimbal movements and camera functions, including wireless focus. This manual provides detailed instructions for setup, operation, and maintenance to ensure optimal performance.

V PORT POWER SUPPLY BASE [OPTIONAL]

With multiple electronic contacts / stable output to
supply power to the gimbal
Bring long-lasting battery life to shooting



Figure 1: Tilta Advanced Ring Grip with a DJI RS2 gimbal.

2. WHAT'S IN THE BOX

Please verify that all the following components are included in your package:

- Ring Grip Part I (TGA-ARG-UP) x 1
- Ring Grip Part II (TGA-ARG-DOWN) x 1
- Wireless Control Receiver Module for RS 2 (TGA-WCR) x 1
- RS 2 Remote Control Handle for Advanced Ring Grip (Without Attachment) (TGA-ARG-RCH1) x 1
- Dual Channel Wireless Lens Control Handle for Advanced Ring Grip (Without Attachment) (TGA-ARG-WCH1) x 1

3. SETUP AND ASSEMBLY

3.1. Assembling the Ring Grip

Connect Ring Grip Part I (TGA-ARG-UP) and Ring Grip Part II (TGA-ARG-DOWN) to form the complete ring structure. Ensure all connections are secure.



Figure 2: The Tilta Advanced Ring Grip assembled.

3.2. Attaching the Gimbal

Mount your DJI RS2, RS3 Pro, RS4, RS4 Pro, or RS5 gimbal securely within the center of the ring grip. Ensure the gimbal is balanced according to its manufacturer's instructions.

3.3. Attaching Control Handles


Attach the RS 2 Remote Control Handle (TGA-ARG-RCH1) to one side of the ring grip and the Dual Channel Wireless Lens Control Handle (TGA-ARG-WCH1) to the opposite side. These handles provide ergonomic grip and access to various controls.

REMOTE CONTROL HANDLE [STANDARD]

[Need to be used with a wireless
receiving box (standard)]

Gimbal rocker 

Mode M button 

Trigger button 

Camera control buttons 

Can control auto focus /
Camera video recording/photograph

Left and right Nato 

More functions can be expanded

Front focus wheel 



Figure 3: RS 2 Remote Control Handle.



DOUBLE FOCUS HANDLE [STANDARD]

[Need to be used with a wireless receiver box (standard) (only compatible with tilta force series follow focus motor)]



FUNCTIONKEY

Switch main interface

Menu function settings Double-click the gimbal to sleep and wake up.



FRONT AND REAR DOUBLE FOLLOW FOCAL WHEEL

Dual-channel follow focus handle, through the follow focus wheel. The wireless settings correspond to the motors of different channels/ Can control the camera's follow focus/zoom/aperture

Figure 4: Dual Channel Wireless Lens Control Handle.

3.4. Mounting Power Supply Modules and Accessories

The ring grip features electronic contact points on the top and bottom for mounting power supply modules (optional, not included) such as V-mount or Gold-mount battery plates. These modules provide power to the gimbal and other accessories like monitors via D-Tap and USB ports.



Figure 5: Optional Power Supply Module.

3.5. Pairing the Control Handle

To pair the control handle with your gimbal, follow these steps:

1. Hold down the 'M' key on the control handle until its indicator light turns orange.
2. While still holding 'M', press and hold the record key until the indicator light starts searching (blinking).
3. Release both buttons.
4. Double-tap the power button on the Wireless Control Receiver Module (TGA-WCR) attached to your gimbal.
5. Once connected, the indicator light on the control handle will return to a steady state, indicating successful pairing.

Your browser does not support the video tag.

Video 1: Demonstrates the pairing process for the control handle.

4. OPERATING THE ADVANCED RING GRIP

The Advanced Ring Grip offers comprehensive control and flexibility for various shooting scenarios.

4.1. Gimbal and Camera Control

- The **RS 2 Remote Control Handle** allows for precise gimbal movements (tilt and pan) via its joystick. It also features an 'M' key to adjust gimbal modes and a record button for run/stop functionality on compatible cameras.
- The **Dual Channel Wireless Lens Control Handle** is designed for wireless focus, iris, and zoom control when paired with Tilta Nucleus series motors or DJI focus motors. It features two focus wheels: one for your finger and one for your thumb, enabling a single operator to manage multiple lens functions simultaneously.



FLEXIBLE CONTROL

The remote control handle can control the gimbal rocker/Mode function / video and photo

Figure 6: Flexible control via the remote control handle.

4.2. Low Mode Operation

The integrated battery handle mount allows the ring grip to function as a top handle, facilitating quick transitions to low-angle shots. The kickstands at the bottom provide a stable base when setting the system down.



Figure 7: Utilizing the ring grip for low mode shooting.

4.3. Powering the System

The ring grip is designed to power the gimbal using the DJI RS series battery handle. Additionally, optional V-mount or Gold-mount battery plates can be attached to provide extended power for the gimbal and other mounted accessories.

Your browser does not support the video tag.

Video 2: Overview of Tilta Ring Grip features, including power options and control handles.

Your browser does not support the video tag.

Video 3: Demonstrates the Tilta Advanced Ring Grip in various shooting scenarios.

5. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the carbon fiber and metal surfaces. Avoid abrasive cleaners or solvents.
- **Storage:** Store the ring grip in a dry, cool place away from direct sunlight and extreme temperatures.
- **Inspection:** Regularly check all screws and connections to ensure they are tight and secure.

6. TROUBLESHOOTING

- **Control Handle Not Responding:** Ensure the control handle is properly paired with the Wireless Control Receiver Module. Check battery levels of both the handle and the gimbal.
- **Power Issues:** Verify that the gimbal battery is fully charged and correctly inserted into the battery handle mount. If using external power, ensure the battery plate and connections are secure.
- **Unstable Gimbal:** Re-balance the gimbal according to its manufacturer's instructions. Ensure all components of the ring grip are securely fastened.

7. SPECIFICATIONS

Feature	Detail
Product Dimensions	22.44 x 5.12 x 20.08 inches (570 x 130 x 510 mm)
Item Weight	2.53 pounds (1.15 Kilograms)
Item Model Number	TGA-ARG
Material	Carbon Fiber
Color	Black
Compatible Devices	DJI RS2, DJI RS3 Pro, DJI RS4, DJI RS4 Pro, DJI RS5



8. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the official Tilta website or contact your authorized Tilta dealer. Keep your purchase receipt for warranty claims.
