

Tilta WLC-T06

Tilta Nucleus-M II Wireless Lens Control System Ultimate Kit User Manual

Comprehensive guide for setup, operation, and maintenance of your Tilta Nucleus-M II Wireless Lens Control System.

1. INTRODUCTION

The Tilta Nucleus-M II Wireless Lens Control System Ultimate Kit is a professional-grade multi-motor wireless follow focus system designed for precise control of cinema and photography lenses. It offers advanced features such as lens mapping, camera control, and seamless integration within the Tilta ecosystem.



Overview of the Tilta Nucleus-M II Wireless Lens Control System components.

This manual provides detailed instructions to help you get the most out of your Nucleus-M II system, from initial setup to advanced operation and maintenance.

Product Overview Video

Your browser does not support the video tag.

This video provides a visual overview of the Tilta Nucleus-M II Wireless Lens Control System in action, demonstrating its features and capabilities.

2. WHAT'S IN THE BOX

The Ultimate Kit includes the following components:

- 1: Nucleus-M II Motor *2
- 2: Nucleus-M II 0.5 Mod Motor Gear *1
- 3: Nucleus-M II 0.8 Mod Motor Gear *2
- 4: Nucleus-M II Motor Rod Mount (15mm) *2
- 5: Nucleus-M II Motor Rod Mount (19mm) *2
- 6: Nucleus-M II 7-Pin to 7-Pin Connection Cable (30cm) *1
- 7: Nucleus-M II 7-Pin to 7-Pin Connection Cable (50cm) *1
- 8: Nucleus-M II P-Tap to 7-Pin Power Cable (70cm) *1
- 9: Nucleus-M II Hand Grip (Left) *1
- 10: Nucleus-M II Hand Grip (Right) *1
- 11: Nucleus-M II Zoom Module for Hand Grip *1
- 12: Nucleus-M II Hand Grip to Arri Standard Rosette Adapter *2
- 13: Nucleus-M II FIZ Hand Unit *1
- 14: Nucleus-M II Electronic Focus Marking Disk *1
- 15: Nucleus-M II Follow Focus Marking Disk *5
- 16: Nucleus-M II Monitor Mounting Bracket for FIZ Hand Unit *1
- 17: Nucleus-M II Baby Pin Adapter for Monitor Mounting Bracket *1
- 18: Nucleus-M II FIZ Hand Unit Lanyard *1
- 19: Nucleus-M II Hard Shell Waterproof Safety Case *1



3. SETUP

3.1 Motor Installation

The Nucleus-M II motors can be mounted to your camera rig using the included 15mm or 19mm rod mounts. Ensure the motor gear aligns correctly with your lens's focus, iris, or zoom gear. The system accommodates wireless adjustment of up to four motors (Focus, Iris, Zoom, and ND).



Four channels of control with Nucleus-M II motors on a camera setup.

3.2 Hand Unit and Grip Assembly

Assemble the FIZ Hand Unit and Hand Grips. The Zoom Module can be interchanged between the left and right hand grips for ergonomic operation. The FIZ Hand Unit features a 2.4-inch touchscreen display for intuitive control.

DETACHABLE HAND WHEEL

Switch the hand wheel to your preferred side for ergonomic operation.



The detachable handwheel allows for customized ergonomic setup.

3.3 Monitor Mounting

Utilize the Monitor Mounting Bracket and Baby Pin Adapter to easily place the FIZ Hand Unit on a C-Stand or other support for convenient monitoring and precise adjustments.

MONITOR & BABY PIN MOUNTS

Easy placement on a C-Stand. This allows focus pullers to quickly reference live footage and make precise adjustments while maintaining mobility on set.



The FIZ Hand Unit can be easily mounted for optimal viewing and control.

3.4 Compatibility

The Nucleus-M II is designed for broad compatibility within the Tilta ecosystem and with other systems. It is compatible with previous Nucleus systems such as Nucleus-M and Nano II. It also supports DJI Focus Motors when connected through DJI RS Gimbals (RS4, RS3, RS2).

BACKWARD COMPATIBILITY

Compatible with Nucleus M1 Wireless System and its accessories. Users can also control Tilta Nano II Wireless System, Mirage Motor, and Blackmagic Camera App.



The Nucleus-M II offers backward compatibility with existing Tilta and DJI systems.

4. OPERATING INSTRUCTIONS

4.1 Powering On and Calibration

Ensure all components are securely connected and powered. The system will typically perform an auto-calibration upon startup. Manual calibration options are available via the FIZ Hand Unit's touchscreen.

4.2 Lens Mapping and Camera Control

The FIZ Hand Unit allows users to save and display Focus, Iris, and Zoom information. This feature enables precise and repeatable pulls. Additionally, the system supports wireless adjustment of camera settings such as ISO, White Balance, and Shutter Speed, depending on camera compatibility.

SEAMLESS OPERATION & INTUITIVE CONTROL



 2.4-inch Touchscreen Display

 Built on a Classic Design

 Detachable Electronic Focus Marking Disk

 Detachable Handwheel

The 2.4-inch touchscreen display provides seamless and intuitive control.

4.3 Electronic Focus Marking Disk

The innovative detachable Electronic Focus Marking Disk expands the functionality of traditional marking disks. It offers two modes:

- **Digital Display Mode:** Switch to an on-screen digital overlay with a precise depth-of-field indicator for accurate focus pulling.
- **Manual Marking Mode:** Mark focus points directly on the disk with a pen or marker for tactile control.

4.4 Performance and Response

The Nucleus-M II features an improved 0.02s fast response time and ultra-smooth focus adjustments, thanks to its upgraded PID 2.0 algorithm. It also provides higher torque compared to previous Nucleus models, ensuring stable and reliable transmission.

SMALLER, STRONGER, AND FASTER

Improved 0.02s fast response and ultra-smooth focus adjustments.
Higher torque than the Nucleus M1 & Nano II Motor at a compact size.



The advanced internal design ensures smaller size, stronger performance, and faster response.

5. MAINTENANCE

To ensure the longevity and optimal performance of your Tilta Nucleus-M II system, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the surfaces of the FIZ Hand Unit, motors, and grips. Avoid using harsh chemicals or abrasive materials.
- **Gear Care:** Periodically inspect the motor gears for any debris or wear. Clean them gently with a small brush if necessary.
- **Storage:** When not in use, store the system in its hard shell waterproof safety case to protect it from dust, moisture, and physical damage.
- **Battery Care:** If the system uses removable batteries, ensure they are charged and stored according to manufacturer recommendations.

6. TROUBLESHOOTING

If you encounter issues with your Nucleus-M II system, try the following basic troubleshooting steps:

- **No Power:** Check all cable connections and ensure batteries are fully charged and correctly inserted.
- **Motor Not Responding:** Verify the motor is properly connected to the FIZ Hand Unit and that its gear is correctly engaged with the lens. Re-calibrate the motor if necessary.
- **Loss of Wireless Connection:** Ensure the FIZ Hand Unit and motors are within range and that there are no significant obstructions. Check for potential interference from other wireless devices.
- **Inaccurate Focus/Zoom:** Perform a full calibration of the motors and lenses. Ensure the lens gears are clean and free of debris.
- **Screen Issues:** If the touchscreen is unresponsive, try restarting the FIZ Hand Unit. Ensure the screen is clean and dry.

For more complex issues, please refer to the official Tilta support resources or contact customer service.

7. SPECIFICATIONS

Feature	Specification
Product Dimensions	13.25 x 11.25 x 6 inches
Item Weight	9.77 pounds
ASIN	B0F3Q4SHRT
Item model number	WLC-T06
Best Sellers Rank	#18 in Camera Lens Supports
Date First Available	April 4, 2025
Manufacturer	Tilta
Color	grey
Brand	Tilta
Compatible Devices	Nucleus M II Motor Nucleus M Motor Nucleus Nano II Motor DJI RS4 DJI RS3 DJI RS2
Maximum Weight Recommendation	6 Pounds
Folded Size	Hard Case Dimensions (not explicitly stated in the provided information)

Feature	Specification
UPC	810153174486

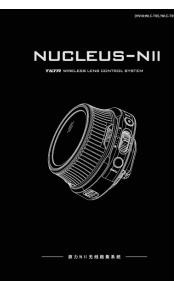
8. WARRANTY & SUPPORT

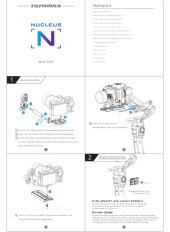
For warranty information and technical support, please refer to the official Tilta website or contact their customer service directly. Keep your proof of purchase for any warranty claims.

You can visit the [Tilta Store on Amazon](#) for more product information and accessories.

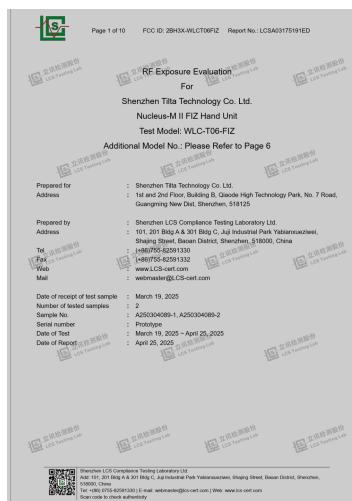
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Related Documents - WLC-T06

	<p>Tilta Nucleus-M II Wireless Lens Control System Quick Start Guide</p> <p>This guide provides essential information for setting up and using the Tilta Nucleus-M II Wireless Lens Control System. It covers installation, connection, maintenance, safety precautions, troubleshooting, and a detailed overview of the system's components and functions, including the FIZ Hand Unit, Motor, and Hand Grips. The document also lists the packing contents for various kits.</p>
	<p>Tilta Nucleus-N II Wireless Lens Control System: User Manual</p> <p>Detailed user manual for the Tilta Nucleus-N II Wireless Lens Control System, covering hand unit and motor setup, operation, calibration, and advanced settings for professional filmmakers.</p>
	<p>Tilta Nucleus-M WLC-03 Wireless Follow Focus System User Guide</p> <p>Comprehensive user manual for the Tilta Nucleus-M WLC-03 Wireless Follow Focus System, covering product overview, technical specifications, component functions, calibration procedures, and syncing instructions for motors, handles, and the FIZ unit.</p>
	<p>Tilta Nucleus-N II Wireless Lens Control System User Manual</p> <p>User guide for the Tilta Nucleus-N II Wireless Lens Control System (WLC-T05), detailing hand unit and motor setup, operation, pairing, firmware updates, and safety precautions.</p>

	<p>Tilta Nucleus-Nano Wireless Lens Control WLC-T04 User Guide</p> <p>A comprehensive guide to setting up and using the Tilta Nucleus-Nano Single Channel Wireless Lens Control system (WLC-T04), including attaching the motor and handwheel, auto-calibration, and wireless control assignment.</p>
	<p>Tilta Nucleus-M WLC-T03 Wireless Follow Focus System User Manual</p> <p>Comprehensive user guide for the Tilta Nucleus-M WLC-T03 wireless follow focus system, covering setup, operation, calibration, and technical specifications for professional cinematography.</p>

Documents - Tilta – WLC-T06



[pdf] SAR Rating

User LCSA03175191ED RF Exposure Evaluation Shenzhen Tilta Technology Co Ltd WLCT06FIZ

Nucleus M II FIZ Hand Unit 2BH3X 2BH3XWLCT06FIZ wlct06fiz

Page 1 of 10 FCC ID: 2BH3X-WLCT06FIZ Report No.: LCSA03175191ED RF

Exposure Evaluation For Shenzhen Tilta Technology Co. Ltd. Nucleus-M II FIZ Hand

Unit Test Model: **WLC-T06-FIZ** Additional Model No.: Please Refer to Page 6

Prepared for Address : Shenzhen Tilta Technology Co. Ltd. : 1st and 2nd Fl...

lang:en score:30 filesize: 593.47 K page_count: 10 document date: 2025-05-08



[pdf] SAR Rating

tcisevers LCSA03175173EB RF Exposure Evaluation FCC Shenzhen Tilta Technology Co Ltd

WLCT06HGR Nucleus M II Hand Grip Right 2BH3X 2BH3XWLCT06HGR wlct06hgr

Page 1 of 9 FCC ID: 2BH3X-WLCT06HGR Report No.: LCSA03175173EB RF

Exposure Evaluation For Shenzhen Tilta Technology Co. Ltd. Nucleus-M II Hand Grip

Right Test Model: **WLC-T06-HG-R** Prepared for Address : Shenzhen Tilta Technology

Co. Ltd. : 1st and 2nd Floor, Building B, Qiaode High Technology Par...

lang:en score:28 filesize: 539.15 K page_count: 9 document date: 2025-04-24

Page 1 of 10		FCC ID: 2B9H3X-WLCT00W0K	Report No: LCSA03175176EB
<p style="text-align: center;">RF-Exposure Evaluation For Shenzhen Tilt Technology Co. Ltd. Nucleus-M II Motor Kit Test Model: WLC-T06-MK</p>			
<p>Prepared by Address</p> <p>Shenzhen Tilt Technology Co. Ltd. 1st and 2nd Floor, Building B, Grade High Technology Park, No 7 Road, Guangming New District, Shenzhen, 518125</p>			
<p>Prepared by Address</p> <p>Shenzhen Tilt Technology Co. Ltd. 1st, 2nd & 3rd Fl, Bldg C, Jia 1 Industrial Park, Wutongmei, Shenzhen, 518052, China +86(0755) 8591330 +86(0755) 8591332 www.wlctech.com</p>			
<p>Tel Fax Email Web</p>			
<p>Date of receipt of test sample Number of tested samples Sample No. Serial Number Date of Test Date of Report</p>			
<p>March 18, 2025 A25030409-1, A25030409-2 Prototype March 18, 2025 - April 11, 2025 April 14, 2025</p>			
<p>Tested by Tested on Tested at Tested using</p>			
<p>Shenzhen Tilt Technology Co. Ltd. 1st and 2nd Floor, Building B, Grade High Technology Park, No 7 Road, Guangming New District, Shenzhen, 518125</p>			
<p>Shenzhen Tilt Technology Co. Ltd. 1st, 2nd & 3rd Fl, Bldg C, Jia 1 Industrial Park, Wutongmei, Shenzhen, 518052, China +86(0755) 8591330 +86(0755) 8591332 www.wlctech.com</p>			
<p>Comments The test was conducted in accordance with the test plan and the test results are accurate and reliable.</p>			
<p>Signature [Signature] Tested by [Signature] Tested on [Signature] Tested at [Signature] Tested using</p>			
<p>Shenzhen Tilt Technology Co. Ltd. 1st and 2nd Floor, Building B, Grade High Technology Park, No 7 Road, Guangming New District, Shenzhen, 518125</p>			
<p>Shenzhen Tilt Technology Co. Ltd. 1st, 2nd & 3rd Fl, Bldg C, Jia 1 Industrial Park, Wutongmei, Shenzhen, 518052, China +86(0755) 8591330 +86(0755) 8591332 www.wlctech.com</p>			
<p>Scan code to verify authenticity</p>			

RF Exposure Evaluation Report for Shenzhen Tulta Technology Co. Ltd. Nucleus-M II Motor Kit (WLC-T06-MK)

This report details the RF Exposure Evaluation conducted by Shenzhen LCS Compliance Testing Laboratory Ltd. for the Shenzhen Tilta Technology Co. Ltd. Nucleus-M II Motor Kit (Model: WLC-T06-MK), confirming compliance with FCC regulations regarding radio frequency exposure.

lang:en score:28 filesize: 604.65 K page_count: 10 document date: 2025-04-25

 SCE	Page 1 of 9	FCC ID: 2B9DX-MLCT08HCL	Report No.: LCSA03171516EB
RF Exposure Evaluation			
For			
Shenzhen Tita Technology Co. Ltd.			
Nucleus-M II Hand Grip (Left)			
Test Model: WLC-T06-HG-L			
<hr/>			
Prepared for Address			
Prepared by Address			
Tel Fax Web Mail			
Date of receipt of test sample Number of tested samples Sample No. Serial number Date of test Date of Report			
March 19, 2025 1 A250306091-A250306092 Prototype March 19, 2025 - April 16, 2025 April 15, 2025			
<hr/>			
Responsible Lab: Compliance Testing Laboratory Ltd. 101, 201 Building, No. 3, Caozhuang Industrial Park Yubanxuezi, Shaping Street, Bao'an District, Shenzhen, 518100, China http://www.compliance-lab.com www.tcs-cert.com			
Scan code to check authenticity			

[pdf] SAR Rating

tclsevers LCSA03175185EB RF Exposure Evaluation FCC Shenzhen Tilita Technology Co Ltd
WLCT06HGL Nucleus M II Hand Grip Left 2BH3X 2BH3XWLCT06HGL wlct06hgl

Page 1 of 9 FCC ID: 2BH3X-WLCT06HGL Report No.: LCSA03175185EB RF
Exposure Evaluation For Shenzhen Tilta Technology Co. Ltd. Nucleus-M II Hand Grip
Left Test Model: **WLC-T06-HG-L** Prepared for Address : Shenzhen Tilta Technology
Co. Ltd. ; 1st and 2nd Floor, Building B, Qiaode High Technology Park...

lang:en score:27 filesize: 541.43 K page count: 9 document date: 2025-04-24

[pdf] Test Report

FCC PART 15 news LCSA03175191EC Zigbee Shenzhen Tilt Technology Co Ltd WLCT06FIZ Nucleus M II FIZ Hand Unit 2BH3X 2BH3XWLCT06FIZ wlct06fiz

Page 1 of 35 FCC ID: 2BH3X-WLCT06FIZ Report No.: LCSA03175191EC FCC TEST REPORT For Shenzhen Tilta Technology Co. Ltd. Nucleus-M II FIZ Hand Unit Test Model: **WLC-T06-FIZ** Additional Model No.: Please Refer to Page 6 Prepared for Address : Shenzhen Tilta Technology Co. Ltd. : 1st and 2nd Floor, Bui...

lang:en score:27 filesize: 1.3 M page_count: 35 document_date: 2025-04-28

Page 1 of 35 FCC ID: 2BH3X-WLCT06FIZ Report No.: LCSA03175191EA

FCC TEST REPORT

For

Shenzhen Tilta Technology Co. Ltd.
Nucleus-II FIZ Hand Unit
Test Model: WLC-T06-FIZ

Additional Model No.: Please Refer to Page 6

Prepared for Address : Shenzhen Tilta Technology Co. Ltd. : 1st and 2nd Floor, Building B, Qiaode High Technology Park, No. 7 Road, Guangming New Dist, Shenzhen, 518125

Prepared by Address : Shenzhen LCS Compliance Testing Laboratory Ltd. : 101, 201 Building A & 301 Building C, Jiaji Industrial Park, Yabane, Shenzhen, 518000, China
Tel : (+86)755-42591330
Fax : (+86)755-42591332
Web : www.LCS-test.com
Mail : webmaster@LCS-test.com

Date of receipt of test sample : March 19, 2025
Number of tested samples : 2
Sample No. : A250304088-1, A250304088-2
Serial number : Prototype
Date of Test : March 19, 2025 / April 25, 2025
Date of Report : April 25, 2025

Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Building A & 301 Building C, Jiaji Industrial Park, Yabane, Shenzhen, 518000, China
Tel: (+86)755-42591330 (E-mail: webmaster@LCS-test.com) Web: www.LCS-test.com
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[pdf] Test Report

FCC PART 15 news LCSA03175191EA BLE Shenzhen Tilta Technology Co Ltd WLCT06FIZ Nucleus M II FIZ Hand Unit 2BH3X 2BH3XWLCT06FIZ wlct06fiz

Page 1 of 35 FCC ID: 2BH3X-WLCT06FIZ Report No.: LCSA03175191EA FCC TEST REPORT For Shenzhen Tilta Technology Co. Ltd. Nucleus-M II FIZ Hand Unit Test Model: **WLC-T06-FIZ** Additional Model No.: Please Refer to Page 6 Prepared for Address : Shenzhen Tilta Technology Co. Ltd. : 1st and 2nd Floor, Bu...
lang:en score:27 filesize: 1.1 M page_count: 35 document date: 2025-04-28

Page 1 of 38 FCC ID: 2BH3X-WLCT06FIZ Report No.: LCSA03175191EB

FCC TEST REPORT

For

Shenzhen Tilta Technology Co. Ltd.
Nucleus-M II FIZ Hand Unit
Test Model: WLC-T06-FIZ

Additional Model No.: Please Refer to Page 6

Prepared for Address : Shenzhen Tilta Technology Co. Ltd. : 1st and 2nd Floor, Building B, Qiaode High Technology Park, No. 7 Road, Guangming New Dist, Shenzhen, 518125

Prepared by Address : Shenzhen LCS Compliance Testing Laboratory Ltd. : 101, 201 Building A & 301 Building C, Jiaji Industrial Park, Yabane, Shenzhen, 518000, China
Tel : (+86)755-42591330
Fax : (+86)755-42591332
Web : www.LCS-test.com
Mail : webmaster@LCS-test.com

Date of receipt of test sample : March 19, 2025
Number of tested samples : 2
Sample number : A250304088-1, A250304088-2
Serial number : Prototype
Date of Test : March 19, 2025 / April 25, 2025
Date of Report : April 25, 2025

Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Building A & 301 Building C, Jiaji Industrial Park, Yabane, Shenzhen, 518000, China
Tel: (+86)755-42591330 (E-mail: webmaster@LCS-test.com) Web: www.LCS-test.com
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FCC PART 15 news LCSA03175191EB 2 4G WLAN Shenzhen Tilta Technology Co Ltd WLCT06FIZ Nucleus M II FIZ Hand Unit 2BH3X 2BH3XWLCT06FIZ wlct06fiz

Page 1 of 38 FCC ID: 2BH3X-WLCT06FIZ Report No.: LCSA03175191EB FCC TEST REPORT For Shenzhen Tilta Technology Co. Ltd. Nucleus-M II FIZ Hand Unit Test Model: **WLC-T06-FIZ** Additional Model No.: Please Refer to Page 6 Prepared for Address : Shenzhen Tilta Technology Co. Ltd. : 1st and 2nd Floor, Bu...
lang:en score:27 filesize: 1.37 M page_count: 38 document date: 2025-04-28

Page 1 of 32 FCC ID: 2BH3X-WLCT06MK Report No.: LCSA03175179EA

FCC TEST REPORT

For

Shenzhen Tilta Technology Co. Ltd.
Nucleus-M II Motor Kit
Test Model: WLC-T06-MK

Prepared for Address : Shenzhen Tilta Technology Co. Ltd. : 1st and 2nd Floor, Building B, Qiaode High Technology Park, No. 7 Road, Guangming New Dist, Shenzhen, 518125

Prepared by Address : Shenzhen LCS Compliance Testing Laboratory Ltd. : 101, 201 Building A & 301 Building C, Jiaji Industrial Park, Yabane, Shenzhen, 518000, China
Tel : (+86)755-42591330
Fax : (+86)755-42591332
Web : www.LCS-test.com
Mail : webmaster@LCS-test.com

Date of receipt of test sample : March 18, 2025
Number of tested samples : 2
Sample No. : A250304088-1, A250304088-2
Serial number : Prototype
Date of Test : March 18, 2025 / April 11, 2025
Date of Report : April 14, 2025

Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Building A & 301 Building C, Jiaji Industrial Park, Yabane, Shenzhen, 518000, China
Tel: (+86)755-42591330 (E-mail: webmaster@LCS-test.com) Web: www.LCS-test.com
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[pdf] Test Report

FCC PART 15 news LCSA03175179EA Zigbee Shenzhen Tilta Technology Co Ltd WLCT06MK Nucleus M II Motor Kit 2BH3X 2BH3XWLCT06MK wlct06mk

Page 1 of 32 FCC ID: 2BH3X-WLCT06MK Report No.: LCSA03175179EA FCC TEST REPORT For Shenzhen Tilta Technology Co. Ltd. Nucleus-M II Motor Kit Test Model: **WLC-T06-MK** Prepared for Address : Shenzhen Tilta Technology Co. Ltd. : 1st and 2nd Floor, Building B, Qiaode High Technology Park, No. 7 Road,...
lang:en score:23 filesize: 1.25 M page_count: 32 document date: 2025-04-25

Page 1 of 34 FCC ID: 2BH3X-WLCT06HGR Report No.: LCSA03175173EA

FCC TEST REPORT

For
Shenzhen Tilta Technology Co. Ltd.
Nucleus-M II Hand Grip (Right)
Test Model: WLC-T06-HG-R

Prepared for
Address
Shenzhen Tilta Technology Co. Ltd.
1st and 2nd Floor, Building B, Qiaode High Technology Park, No. 7
Road, Guangming New Dist, Shenzhen, 518125

Prepared by
Address
Shenzhen LCS Compliance Testing Laboratory Ltd.
101, 201 Building A & 301 Building C, Jiaji Industrial Park, Yabanevachao, Shaping Street, Baoan District, Shenzhen, 518100, China
Tel: +861755-42591330
Fax: +861755-42591332
Web: www.LCS-cert.com
Email: webmaster@LCS-cert.com

Date of receipt of test sample: March 18, 2025
Number of tested samples: 2
Sample No.: A250304089-1, A250304089-2
Serial number: Prototype
Date of Test: March 18, 2025 - April 11, 2025
Date of Report: April 12, 2025

Scan code to check authority

[pdf] Test Report

FCC PART 15 news LCSA03175173EA Zigbee Shenzhen Tilta Technology Co Ltd WLCT06HGR

Nucleus M II Hand Grip Right 2BH3X 2BH3XWLCT06HGR wlct06hgr

Page 1 of 34 FCC ID: 2BH3X-WLCT06HGR Report No.: LCSA03175173EA FCC
TEST REPORT For Shenzhen Tilta Technology Co. Ltd. Nucleus-M II Hand Grip
Right Test Model: **WLC-T06-HG-R** Prepared for Address : Shenzhen Tilta Technology
Co. Ltd. : 1st and 2nd Floor, Building B, Qiaode High Technology Park, No...
lang:en **score:23** filesize: 1.59 M page_count: 34 document date: 2025-04-24

Page 1 of 34 FCC ID: 2BH3X-WLCT06HGL Report No.: LCSA03175185EA

FCC TEST REPORT

For
Shenzhen Tilta Technology Co. Ltd.
Nucleus-M II Hand Grip (Left)
Test Model: WLC-T06-HG-L

Prepared for
Address
Shenzhen Tilta Technology Co. Ltd.
1st and 2nd Floor, Building B, Qiaode High Technology Park, No. 7
Road, Guangming New Dist, Shenzhen, 518125, China

Prepared by
Address
Shenzhen LCS Compliance Testing Laboratory Ltd.
101, 201 Building A & 301 Building C, Jiaji Industrial Park, Yabanevachao, Shaping Street, Baoan District, Shenzhen, 518100, China
Tel: +861755-42591330
Fax: +861755-42591332
Web: www.LCS-cert.com
Email: webmaster@LCS-cert.com

Date of receipt of test sample: March 19, 2025
Number of tested samples: 2
Sample No.: A250304089-1, A250304089-2
Serial number: Prototype
Date of Test: March 19, 2025 - April 14, 2025
Date of Report: April 12, 2025

Scan code to check authority

[pdf] Test Report

FCC PART 15 news LCSA03175185E Zigbee Shenzhen Tilta Technology Co Ltd WLCT06HGL Nucleus

M II Hand Grip Left 2BH3X 2BH3XWLCT06HGL wlct06hgl

Page 1 of 34 FCC ID: 2BH3X-WLCT06HGL Report No.: LCSA03175185EA FCC
TEST REPORT For Shenzhen Tilta Technology Co. Ltd. Nucleus-M II Hand Grip Left
Test Model: **WLC-T06-HG-L** Prepared for Address : Shenzhen Tilta Technology Co.
Ltd. : 1st and 2nd Floor, Building B, Qiaode High Technology Park, No....
lang:en **score:23** filesize: 1.34 M page_count: 34 document date: 2025-04-24



[pdf] Label

Tian Label Shenzhen Tilta Technology Co Ltd WLCT06MK Nucleus M II Motor Kit 2BH3X

2BH3XWLCT06MK wlct06mk

Page 1 of 1 FCC ID: 2BH3X-WLCT06MK LABEL AND LOCATION Nucleus-M II Motor
Kit Model: **WLC-T06-MK** FCC ID: 2BH3X-WLCT06MK Material: tagboard Glue:
adhesive sticker Front color: black Label color: Matt silver Size: L:4.0cm x W:3.0cm
Label Location Shenzhen LCS Compliance Testing Laboratory Ltd. Ad...
lang:en **score:18** filesize: 1018.77 K page_count: 1 document date: 2025-04-19



[pdf] Label

Tian Label Shenzhen Tilta Technology Co Ltd WLCT06FIZ Nucleus M II FIZ Hand Unit 2BH3X

2BH3XWLCT06FIZ wlct06fiz

Page 1 of 1 LABEL AND LOCATION Nucleus-M II FIZ Hand Unit Model:**WLC-T06-FIZ** FCC ID: 2BH3X-WLCT06FIZ FCC ID: 2BH3X-WLCT06FIZ Material: tagboard Glue: adhesive sticker Front color: black Label color: Matt silver Size: L:4.0cm x W:3.0cm Label Location Shenzhen LCS Compliance Testing Laboratory Lang:es score:18 filesize: 369.52 K page_count: 1 document date: 2025-04-18



[pdf] Label

Tian Label Shenzhen Tilta Technology Co Ltd WLCT06HGL Nucleus M II Hand Grip Left 2BH3X

2BH3XWLCT06HGL wlct06hgl

Page 1 of 1 FCC ID: 2BH3X-WLCT06HGL LABEL AND LOCATION Nucleus-M II Hand Grip Left Model: **WLC-T06-HG-L** FCC ID: 2BH3X-WLCT06HGL Material: tagboard Glue: adhesive sticker Front color: black Label color: Matt silver Size: L:4.0cm x W:3.0cm Label Location Shenzhen LCS Compliance Testing Laborat... lang:en score:18 filesize: 357.6 K page_count: 1 document date: 2025-04-18



[pdf] Label

Tian Label Shenzhen Tilta Technology Co Ltd WLCT06HGR Nucleus M II Hand Grip Right 2BH3X

2BH3XWLCT06HGR wlct06hgr

Page 1 of 1 FCC ID: 2BH3X-WLCT06HGR LABEL AND LOCATION Nucleus-M II Hand Grip Right Model: **WLC-T06-HG-R** FCC ID: 2BH3X-WLCT06HGR Material: tagboard Glue: adhesive sticker Front color: black Label color: Matt silver Size: L:4.0cm x W:3.0cm Label Location Shenzhen LCS Compliance Testing Labora... lang:en score:18 filesize: 331.27 K page_count: 1 document date: 2025-04-19

Page 1 of 23 FCC ID: 2BH3X-WLCT06MK Report No.: LCSA03175179EA

Appendix A

RF Test Data for Zigbee (Conducted Measurement)

Product Name: Nucleus-M II Motor Kit

Test Model: WLC-T06-MK

Environmental Conditions	
Temperature:	23.6°C
Relative Humidity:	52.3%
ATM Pressure:	100.0 kPa

Test Engineer: Can Kun
Supervised by: Nick Peng

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WCB Appendix A Test Data for Zigbee FCC ID Shenzhen Telta Technology Co Ltd WLCT06MK Nucleus M II Motor Kit 2BH3X 2BH3XWLCT06MK wlct06mk

Page 1 of 23 FCC ID: 2BH3X-WLCT06MK Report No.: LCSA03175179EA Appendix A RF Test Data for Zigbee Conducted Measurement Product Name: Nucleus-M II Motor Kit Test Model: **WLC-T06-MK** Temperature: Relative Humidity: ATM Pressure: Test Engineer: Supervised by: Environmental Conditions 23.6C 52.3 1... lang:en **score:14** filesize: 3.58 M page_count: 23 document date: 2025-04-25

Page 1 of 23 FCC ID: 2BH3X-WLCT06FIZ Report No.: LCSA03175191EC

Appendix C

RF Test Data for Zigbee (Conducted Measurement)

Product Name: Nucleus-M II FIZ Hand Unit

Test Model: WLC-T06-FIZ

Environmental Conditions	
Temperature:	23.8°C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa

Test Engineer: Andri Tan
Supervised by: Nick Peng

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WCB Appendix C Test Data for Zigbee Shenzhen Telta Technology Co Ltd WLCT06FIZ Nucleus M II FIZ Hand Unit 2BH3X 2BH3XWLCT06FIZ wlct06fiz

Page 1 of 23 FCC ID: 2BH3X-WLCT06FIZ Report No.: LCSA03175191EC Appendix C RF Test Data for Zigbee Conducted Measurement Product Name: Nucleus-M II FIZ Hand Unit Test Model: **WLC-T06-FIZ** Temperature: Relative Humidity: ATM Pressure: Test Engineer: Supervised by: Environmental Conditions 23.8C 5... lang:en **score:14** filesize: 3.58 M page_count: 23 document date: 2025-04-29

Page 1 of 23 FCC ID: 2BH3X-WLCT06HGR Report No.: LCSA03175173EA

Appendix A

RF Test Data for Zigbee (Conducted Measurement)

Product Name: Nucleus-M II Hand Grip (Right)

Test Model: WLC-T06-HG-R

Environmental Conditions	
Temperature:	23.6°C
Relative Humidity:	52.3%
ATM Pressure:	100.0 kPa

Test Engineer: Can Kun
Supervised by: Nick Peng

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WCB Appendix A Test Data for Zigbee FCC ID Shenzhen Telta Technology Co Ltd WLCT06HGR Nucleus M II Hand Grip Right 2BH3X 2BH3XWLCT06HGR wlct06hgr

Page 1 of 23 FCC ID: 2BH3X-WLCT06HGR Report No.: LCSA03175173EA Appendix A RF Test Data for Zigbee Conducted Measurement Product Name: Nucleus-M II Hand Grip Right Test Model: **WLC-T06-HG-R** Temperature: Relative Humidity: ATM Pressure: Test Engineer: Supervised by: Environmental Conditions 2... lang:en **score:14** filesize: 3.55 M page_count: 23 document date: 2025-04-19

Page 1 of 23 FCC ID: 2BH3X-WLCT06HGL Report No.: LCSA03175185EA

Appendix A

RF Test Data for Zigbee (Conducted Measurement)

Product Name: Nucleus-M II Hand Grip (Left)
Test Model: WLC-T06-HG-L

Environmental Conditions	
Temperature:	23.6°C
Relative Humidity:	52.3%
ATM Pressure:	1000.0 hPa
Test Engineer:	Andrei Tan
Supervised by:	Nick Peng

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WCB Appendix A Test Data for Zigbee FCC ID Shenzhen Tilta Technology Co Ltd WLCT06HGL Nucleus M II Hand Grip Left 2BH3X 2BH3XWLCT06HGL wlct06hgl

Page 1 of 23 FCC ID: 2BH3X-WLCT06HGL Report No.: LCSA03175185EA Appendix A RF Test Data for Zigbee Conducted Measurement Product Name: Nucleus-M II Hand Grip Left Test Model: **WLC-T06-HG-L** Temperature: Relative Humidity: ATM Pressure: Test Engineer: Supervised by: Environmental Conditions 23... lang:en **score:14** filesize: 3.64 M page_count: 23 document date: 2025-04-18

Page 1 of 21 Report No.: LCSA03175189EA

RADIO TEST REPORT

For
Shenzhen Tilta Technology Co. Ltd.
Nucleus-M II FIZ Hand Unit

Test Model: WLC-T06-FIZ

Additional Model No.: Please Refer to Page 6

Prepared for
Address

Prepared by
Address

Tel
Fax
Web
Mail

Date of receipt of test sample
Number of tested samples
Sample number
Designation
Date of Test
Date of Report

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March 19, 2025
2
A250304089-1, A250304089-2
Prototype
March 19, 2025 – April 14, 2025
April 15, 2025

Shenzhen LCS Compliance Testing Laboratory Ltd
Add: Room 101, 201, Building B, 4th Floor, Yantian Industrial Park, Yantian Street, Nanshan District, Shenzhen, China
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RADIO TEST REPORT For Shenzhen Tilta Technology Co Ltd Nucleus M II FIZ Hand Unit Trade Mark Test Model WLC T06 FIZ219 259168 02 007tele soumu go jp giteki SearchServlet2 PageID jt01 ATF 185857007 |||

...

lang:en **score:14** filesize: 752.47 K page_count: 21 document date:

Page 1 of 34 FCC ID: 2BH3X-WLCT06FIZ Report No.: LCSA03175191EA

Appendix A

RF Test Data for BT LE(Conducted Measurement)

Product Name: Nucleus-M II FIZ Hand Unit
Test Model: WLC-T06-FIZ

Environmental Conditions	
Temperature:	23.8°C
Relative Humidity:	52.1%
ATM Pressure:	1000.0 hPa
Test Engineer:	Andrei Tan
Supervised by:	Nick Peng

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WCB Appendix A Test Data for BLE Shenzhen Tilta Technology Co Ltd WLCT06FIZ Nucleus M II FIZ Hand Unit 2BH3X 2BH3XWLCT06FIZ wlct06fiz

Page 1 of 34 FCC ID: 2BH3X-WLCT06FIZ Report No.: LCSA03175191EA Appendix A RF Test Data for BT LE Conducted Measurement Product Name: Nucleus-M II FIZ Hand Unit Test Model: **WLC-T06-FIZ** Temperature: Relative Humidity: ATM Pressure: Test Engineer: Supervised by: Environmental Conditions 23.8C 52...

lang:en **score:13** filesize: 2.95 M page_count: 34 document date: 2025-04-29

Page 1 of 20 Report No. LCB403175198EC

RADIO TEST REPORT
For
Shenzhen Tilta Technology Co. Ltd.
Nucleus-M II FIZ Hand Unit
Test Model: WLC-T06-FIZ
Additional Model No.: Please Refer to Page 6

Prepared for
Address : Shenzhen Tilta Technology Co. Ltd.
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Park, No. 7 Road, Guangming New Dist, Shenzhen,
518125

Prepared by
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Tel : +86755-82591330
Fax : +86755-82591332
Web : www.LCS-cert.com
Mail : webmaster@LCS-cert.com

Date of receipt of test sample : March 19, 2025
Number of tested samples : 1
Sample No. : A250304089-1
Serial number : Prototype
Date of Test : March 19, 2025 - April 14, 2025
Date of Report : April 15, 2025

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...

lang:en score:13 filesize: 790.03 K page_count: 21 document date:

Page 1 of 20 Report No. LCB403175197EA

RADIO TEST REPORT
For
Shenzhen Tilta Technology Co. Ltd.
Nucleus-M II Hand Grip (Right)
Test Model: WLC-T06-HGR

Prepared for
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Tel : +86755-82591330
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Mail : webmaster@LCS-cert.com

Date of receipt of test sample : March 18, 2025
Number of tested samples : 2
Sample No. : A250304089-1, A250304089-2
Serial number : Prototype
Date of Test : March 18, 2025 - April 11, 2025
Date of Report : April 15, 2025

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lang:en score:13 filesize: 937.48 K page_count: 20 document date: 0000-00-00

Page 1 of 25 Report No. LCB403175198EB

RADIO TEST REPORT
For
Shenzhen Tilta Technology Co. Ltd.
Nucleus-M II FIZ Hand Unit
Test Model: WLC-T06-FIZ
Additional Model No.: Please Refer to Page 6

Prepared for
Address : Shenzhen Tilta Technology Co. Ltd.
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518125

Prepared by
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Web : www.LCS-cert.com
Mail : webmaster@LCS-cert.com

Date of receipt of test sample : March 19, 2025
Number of tested samples : 1
Sample No. : A250304089-1
Serial number : Prototype
Date of Test : March 19, 2025 - April 14, 2025
Date of Report : April 15, 2025

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lang:en score:13 filesize: 973.86 K page_count: 25 document date: 0000-00-00

Page 1 of 45 FCC ID: 2BH3X-WLCT06FIZ Report No.: LCSA03175191EB

Appendix B

RF Test Data for 2.4GWIFI(Conducted Measurement)

Product Name: Nucleus-M II FIZ Hand Unit

Test Model: WLC-T06-FIZ

Environmental Conditions	
Temperature:	23.8°C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Andre Tan
Supervised by:	Nick Peng

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WCB Appendix B Test Data for 2.4GWIFI Shenzhen Telta Technology Co Ltd WLCT06FIZ Nucleus M II FIZ Hand Unit 2BH3X 2BH3XWLCT06FIZ wlct06fiz

Page 1 of 45 FCC ID: 2BH3X-WLCT06FIZ Report No.: LCSA03175191EB Appendix B RF Test Data for 2.4GWIFI Conducted Measurement Product Name: Nucleus-M II FIZ Hand Unit Test Model: **WLC-T06-FIZ** Temperature: Relative Humidity: ATM Pressure: Test Engineer: Supervised by: Environmental Conditions 23.8C... lang:en score:12 filesize: 3.83 M page_count: 45 document date: 2025-04-29