

Nulea M512

Nulea M512 Wireless Trackball Mouse User Manual

Model: M512

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1. INTRODUCTION

This manual provides detailed instructions for the Nulea M512 Wireless Trackball Mouse. Designed for comfort and precision, the M512 offers versatile connectivity and an ambidextrous design to enhance your computing experience. Please read this manual thoroughly before using the device to ensure proper operation and to maximize its features.

2. KEY FEATURES

- **Ergonomic Design:** Reduces hand movement and wrist strain for comfortable use during extended periods.
- **55mm Large Trackball:** Provides precise cursor control, suitable for detailed tasks like graphic design and video editing.
- **Adjustable DPI:** Four sensitivity levels (400/800/1200/1600 DPI) allow for customized control.
- **Multi-Device Connectivity:** Connects up to three devices via Bluetooth (two channels) or 2.4 GHz wireless (one channel).
- **Ambidextrous Design:** Easily switch between left and right-handed modes with a dedicated button, automatically remapping key functions.
- **Adaptive 4-Button Layout:** Features a top-left button for smooth page scrolling (replaces middle click), a top-right back button, and two standard left/right click buttons.
- **Integrated Wrist Rest:** Designed to reduce forearm strain for enhanced comfort.
- **Space-Saving:** Stationary design eliminates the need for a mouse pad and works on various surfaces.
- **Rechargeable Battery:** Built-in battery with convenient USB-C charging.

3. SETUP GUIDE

3.1 Package Contents

Before proceeding, ensure all items are present in the package:

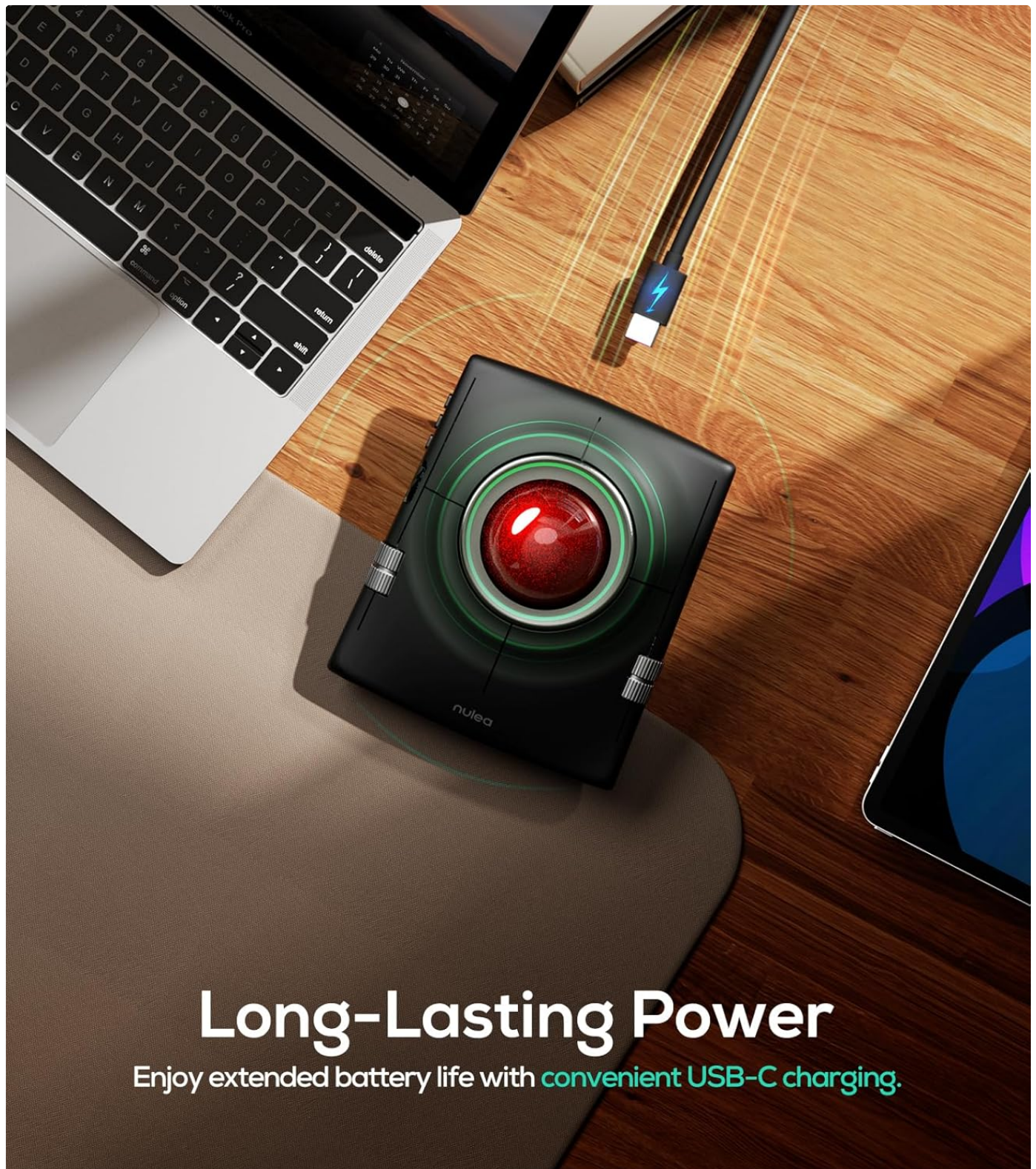
- Nulea M512 Wireless Trackball Mouse
- USB-C Charging Cable

- 2.4GHz USB Receiver (stored in the mouse)
- User Manual (this document)

3.2 Charging the Device

The Nulea M512 trackball mouse comes with a built-in rechargeable battery.

1. Connect the provided USB-C cable to the charging port on the front of the trackball mouse.
2. Connect the other end of the USB-C cable to a USB power source (e.g., computer USB port, USB wall adapter).
3. The charging indicator light will illuminate during charging and turn off when fully charged.



Long-Lasting Power

Enjoy extended battery life with convenient USB-C charging.

Image: Nulea M512 Trackball Mouse connected to a USB-C charging cable, illustrating the charging process.

3.3 Connecting to Devices

The M512 supports connection to up to three devices using either 2.4GHz wireless or Bluetooth.

3.3.1 2.4GHz Wireless Connection

1. Locate the 2.4GHz USB receiver, which is conveniently stored in a compartment at the bottom of the trackball mouse.
2. Remove the USB receiver and plug it into an available USB port on your computer.
3. Turn on the trackball mouse using the power switch (usually located on the bottom or side).
4. Press the mode switch button on the side of the mouse until the indicator light for the 2.4GHz USB channel (often labeled "USB" or similar) illuminates. The mouse should automatically connect.



Image: Diagram illustrating the storage location of the 2.4GHz USB receiver at the bottom of the Nulea M512 trackball mouse.

3.3.2 Bluetooth Connection (BT1 / BT2)

The M512 supports two independent Bluetooth connections.

1. Turn on the trackball mouse.
2. Press the mode switch button on the side of the mouse to select either BT1 or BT2 channel. The corresponding indicator light will flash slowly.
3. To enter pairing mode, press and hold the mode switch button for approximately 3-5 seconds until the selected Bluetooth indicator light flashes rapidly.
4. On your device (computer, laptop, tablet, smartphone), go to Bluetooth settings and search for new devices.
5. Select "Nulea M512" (or similar name) from the list of available devices to pair.
6. Once paired, the indicator light on the mouse will stop flashing and remain solid.

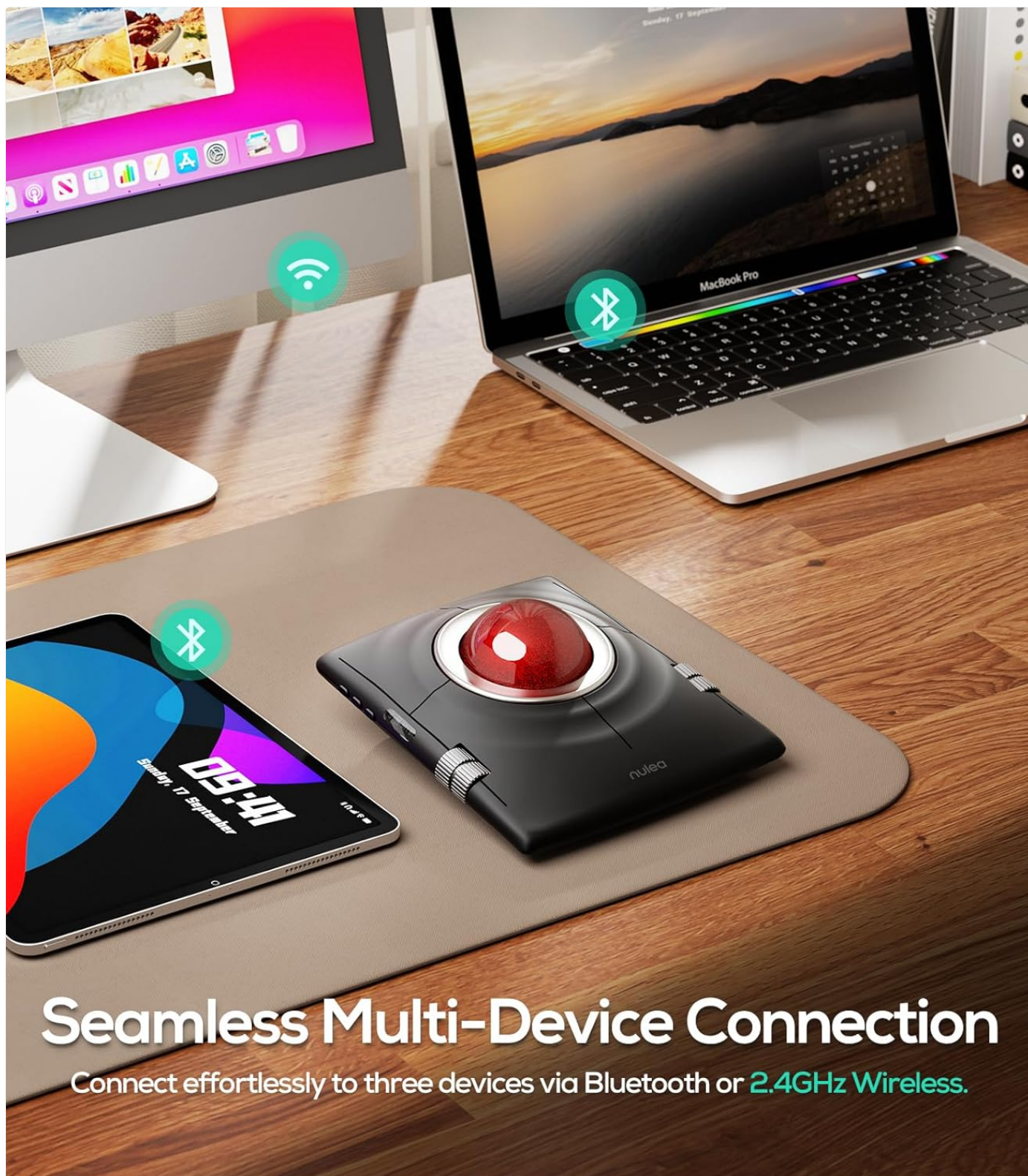


Image: The Nulea M512 Trackball Mouse wirelessly connected to a laptop and a tablet, showcasing its multi-device Bluetooth capability.

4. OPERATION

4.1 Button Functions

The Nulea M512 features an adaptive 4-button layout and two scroll wheels.

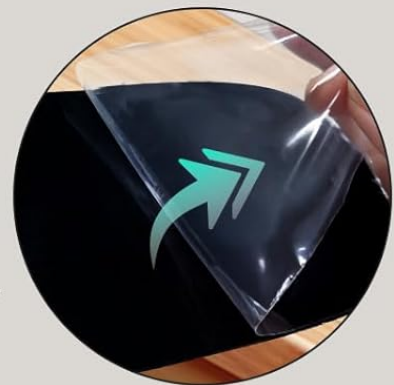
Ergonomic Mouse Wrist Rest Pad



Precise Pressure Relief,
Guards Wrist Health



Memory Foam + Skin - friendly
Fabric, Double Comfort



Non - slip & Portable,
Details Surprise



Image: A detailed diagram labeling the various buttons and scroll wheels on the Nulea M512 Trackball Mouse.

- **Trackball:** Use your fingers to move the cursor on the screen.
- **Middle Key (Top-Left Button):** Functions as a scroll button for smooth page navigation.
- **Back Key (Top-Right Button):** Acts as a quick-access back button in web browsers and applications.
- **Left Button (Bottom-Left):** Standard left-click function.
- **Right Button (Bottom-Right):** Standard right-click function.
- **Left Scroll Wheel:** For vertical scrolling.
- **Right Scroll Wheel:** For vertical scrolling.
- **Mode Switch Key:** Cycles through 2.4GHz USB, BT1, and BT2 connection modes.
- **Left/Right Hand Mode Switch Key:** Toggles between left-handed and right-handed button configurations.

- **DPI Key:** Adjusts cursor sensitivity.

Note: All buttons are non-programmable. The Middle and Back buttons are not compatible with Mac OS.

4.2 Adjusting DPI Sensitivity

The M512 offers four DPI settings (400/800/1200/1600) to match your preference for cursor speed and precision.

- Press the **DPI Key** (located near the trackball) to cycle through the available DPI settings.
- Each press will switch to the next DPI level. Observe the cursor movement to find your preferred setting.

Ergonomic Finger Control

Effortless finger control reduces hand movement
for enhanced comfort.



Tip: For optimal comfort, we recommend using with a wrist rest.

Image: The Nulea M512 Trackball Mouse on a wooden desk, emphasizing its large 55mm trackball and the concept of adjustable DPI for precise cursor control.

4.3 Switching Hand Modes (Ambidextrous Design)

The M512 is designed for both left and right-handed users.

- Press the **Left/Right Hand Mode Switch Key** (located on the side of the mouse) to toggle between left-handed and right-handed configurations.
- When switched, the functions of the main buttons (Left, Right, Middle, Back) will automatically swap to align with your dominant hand.



Image: An overhead shot showing a user operating the Nulea M512 Trackball Mouse, with graphics indicating its dual-handed design and the ability to switch between left and right-hand modes.

4.4 Switching Between Connected Devices

To switch between devices connected via 2.4GHz USB, BT1, or BT2:

- Simply press the **Mode Switch Key** on the side of the mouse.
- Each press will cycle to the next available connection channel (2.4GHz USB → BT1 → BT2 → 2.4GHz USB).
- The corresponding indicator light will show which channel is active.

4.5 Drag-Hold Function

The M512 includes a drag-hold function for convenience.

- To activate drag-hold, press the Middle Key and Back Key simultaneously.
- To exit drag-hold, press any of the four main buttons (Middle Key, Back Key, Left Button, Right Button).

5. MAINTENANCE

5.1 Cleaning the Trackball

Over time, dust and debris can accumulate around the trackball, affecting its smooth operation. Regular cleaning is recommended.

1. Turn off the trackball mouse.
2. Gently push the trackball out from the bottom of the mouse.
3. Use a soft, lint-free cloth to wipe the trackball clean.
4. Use a cotton swab or compressed air to clean the optical sensors and the trackball cavity inside the mouse.
5. Reinsert the trackball into its socket.
6. Turn on the mouse and test its movement.

5.2 Battery Care

To prolong the battery life of your Nulea M512:

- Charge the device using the provided USB-C cable and a compatible power source.
- Avoid exposing the device to extreme temperatures.
- If the mouse will not be used for an extended period, it is recommended to fully charge it and then store it in a cool, dry place.

6. TROUBLESHOOTING

6.1 Device Not Connecting

- **Check Power:** Ensure the mouse is turned on and has sufficient battery charge.
- **Correct Mode:** Verify that the correct connection mode (2.4GHz USB, BT1, or BT2) is selected using the mode switch button.
- **2.4GHz Connection:** Ensure the USB receiver is securely plugged into a working USB port. Try a different USB port.
- **Bluetooth Connection:**
 - Ensure the mouse is in pairing mode (Bluetooth indicator flashing rapidly).
 - On your device, remove any previous pairings of the M512 and attempt to pair again.
 - Ensure your device's Bluetooth is enabled.
- **Restart:** Try restarting both the mouse and your computer/device.

6.2 Cursor Movement is Erratic or Unresponsive

- **Clean Trackball:** Refer to Section 5.1 for instructions on cleaning the trackball and sensors.
- **DPI Setting:** Adjust the DPI setting to see if it improves control.

- **Surface:** While the trackball works on various surfaces, ensure there's no obstruction or interference.
- **Interference:** Move the mouse closer to the receiver (for 2.4GHz) or your Bluetooth device to minimize potential interference.

6.3 Scroll Wheels Not Functioning Correctly

- **Clean Wheels:** Check for any debris or obstruction around the scroll wheels and clean them gently.
- **Application Specific:** Test the scroll wheels in different applications to determine if the issue is system-wide or application-specific.

6.4 Buttons Not Responding

- **Hand Mode:** If using ambidextrous mode, ensure the button functions are as expected for your selected hand.
- **Mac OS Compatibility:** Note that the Middle and Back buttons are not compatible with Mac OS.
- **Re-pair/Reconnect:** Try disconnecting and re-pairing/reconnecting the mouse to your device.

7. SPECIFICATIONS

Feature	Detail
Model Number	M512
Connectivity	2.4GHz Wireless, Bluetooth (BT1, BT2)
DPI Settings	400 / 800 / 1200 / 1600
Trackball Size	55mm
Power Source	Rechargeable Battery (USB-C charging)
Ergonomics	Ergonomic Design, Ambidextrous, Integrated Wrist Rest
Compatibility	PC, Laptop, Mac (Note: Middle/Back buttons not compatible with Mac OS)
Item Weight	14.8 ounces (approx. 420g)
Dimensions	6.54 x 5.71 x 3.03 inches (approx. 16.6 x 14.5 x 7.7 cm)







8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Nulea website or contact Nulea customer service.

Online Support: Visit www.nulea.com (or relevant support page).

Customer Service: Contact information can typically be found on the product packaging or the official Nulea website.



 <p>The image shows the cover of the Nulea M501 Wireless Trackball Mouse User Manual. It features the Nulea logo, the model number M501, and a line drawing of the mouse. Text on the cover includes 'User Manual' and a small disclaimer: 'All other trademarks are the property of their respective owners. All rights reserved. © 2019 Nulea Inc. All rights reserved. For technical support, please visit: support@nulea.com'.</p>	<p>Nulea M501 Wireless Trackball Mouse User Manual Features, Setup, Specifications</p> <p>Comprehensive user manual for the Nulea M501 Wireless Trackball Mouse. Covers product features, detailed specifications, Bluetooth and 2.4G connection setup for Windows and Mac, mode switching, charging, DPI settings, sleep mode, safety instructions, FAQ, troubleshooting, FCC compliance, and manufacturer details.</p>
 <p>The image shows the cover of the Nulea M505 Wireless Trackball Mouse User Manual. It features the Nulea logo, the model number M505, and a line drawing of the mouse. Text on the cover includes 'User Manual' and contact information: 'support@nulea.com' and 'www.nulea.com'.</p>	<p>Nulea M505 Wireless Trackball Mouse User Manual</p> <p>User manual for the Nulea M505 Wireless Trackball Mouse, covering setup, 2.4G and Bluetooth connectivity, features, and FAQs. Learn how to use your M505 mouse efficiently.</p>
 <p>The image shows the cover of the Nulea M505 Wireless Trackball Mouse User Manual. It features the Nulea logo, the model number M505, and a line drawing of the mouse. Text on the cover includes 'User Manual' and contact information: 'support@nulea.com' and 'www.nulea.com'.</p>	<p>Nulea M505 Wireless Trackball Mouse User Manual</p> <p>Explore the Nulea M505 Wireless Trackball Mouse with this comprehensive user manual. Learn about its features, connectivity options (2.4G and Bluetooth), basic parameters, and troubleshooting tips.</p>
 <p>The image shows the cover of the Nulea M505 Wireless Trackball Mouse User Manual. It features the Nulea logo, the model number M505, and a line drawing of the mouse. Text on the cover includes 'User Manual' and contact information: 'support@nulea.com' and 'www.nulea.com'.</p>	<p>Nulea M505 Wireless Trackball Mouse User Manual</p> <p>User manual for the Nulea M505 Wireless Trackball Mouse, covering setup, 2.4G and Bluetooth connectivity, adjustable DPI, and troubleshooting for enhanced productivity and comfort.</p>
 <p>The image shows the cover of the Nulea M505 Wireless Trackball Mouse User Manual. It features the Nulea logo, the model number M505, and a line drawing of the mouse. Text on the cover includes 'User Manual' and contact information: 'support@nulea.com' and 'www.nulea.com'.</p>	<p>Nulea M505 Wireless Trackball Mouse User Manual</p> <p>Comprehensive user manual for the Nulea M505 Wireless Trackball Mouse, detailing product functions, connection guides (2.4G and Bluetooth), basic parameters, charging, and troubleshooting FAQs.</p>
 <p>The image shows the cover of the Nulea M501 Wireless Trackball Mouse User Manual. It features the Nulea logo, the model number M501, and a line drawing of the mouse. Text on the cover includes 'User Manual' and contact information: 'support@nulea.com' and 'www.nulea.com'.</p>	<p>Nulea M501 Wireless Trackball Mouse User Manual</p> <p>User manual for the Nulea M501 Wireless Trackball Mouse, detailing product features, specifications, Bluetooth and 2.4G connection instructions, mode switching, and safety guidelines.</p>