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› [ProtoArc](#) /

› [ProtoArc Wireless Trackball Mouse EM01 NL User Manual](#)

ProtoArc EM01 NL

ProtoArc Wireless Trackball Mouse EM01 NL User Manual

Model: EM01 NL

Brand: ProtoArc

1. PRODUCT OVERVIEW

The ProtoArc Wireless Trackball Mouse EM01 NL is an ergonomic input device designed for comfort and efficiency. It features an adjustable angle, multi-device connectivity, and precise tracking for various computing environments.



Image: The ProtoArc Wireless Trackball Mouse EM01 NL in gray, showcasing its ergonomic shape and trackball.

2. PACKAGE CONTENTS

Please verify that all items are present in the package:

- An Ergonomic Trackball Mouse

- A Type C Charging Cable
- A USB Receiver
- A User Manual

3. PRODUCT DIAGRAM

Familiarize yourself with the various components and controls of your trackball mouse.



Image: A detailed diagram of the ProtoArc EM01 NL trackball mouse, showing the Backward/Forward Buttons, Precise Scroll Wheel, 2.4G/Bluetooth Connectivity button, Removal Ball, DPI Button, Charging Indicator, Type-C Charging Port, Power ON/OFF switch, and 2.4G USB Receiver.

4. SETUP

4.1 Charging the Mouse

The trackball mouse features a built-in rechargeable lithium battery. Before initial use, or when the battery is low, connect the provided Type-C charging cable to the mouse's charging port and to a USB power source. A full charge typically takes 1-3.5 hours.

Type-C Rechargeable



300+DAYS
Standby Time



1-3.5 HOURS
Full Charged



Image: The ProtoArc EM01 NL trackball mouse being charged via its Type-C port, illustrating the rechargeable feature and long standby time.

4.2 Connecting the Mouse

The EM01 NL supports three connection modes: 2.4G Wireless via USB receiver and two separate Bluetooth channels. You can switch between connected devices using the dedicated button on the mouse.

2.4G Wireless Connection:

1. Insert the 2.4G USB receiver into an available USB port on your computer.

2. Turn on the mouse using the Power ON/OFF switch located on the bottom.
3. Press the connectivity button on the mouse to select the 2.4G mode (indicated by a specific LED). The mouse should connect automatically.

Bluetooth Connection (BT1/BT2):

1. Turn on the mouse using the Power ON/OFF switch.
2. Press and hold the connectivity button for 3-5 seconds to enter Bluetooth pairing mode for either BT1 or BT2. The corresponding LED indicator will flash rapidly.
3. On your device (PC, laptop, iPad, etc.), go to Bluetooth settings and search for "ProtoArc EM01 NL".
4. Select the mouse to pair. The LED indicator will stop flashing once connected.
5. Repeat for a second Bluetooth device using the other Bluetooth channel (BT2).



Image: The ProtoArc EM01 NL trackball mouse positioned on a desk, illustrating its capability to connect to multiple devices such as a desktop monitor, laptop, and tablet simultaneously via 2.4G wireless and Bluetooth.

5. OPERATING INSTRUCTIONS

5.1 Ergonomic Design and Adjustable Angle

The EM01 NL features a unique adjustable hinge, allowing you to customize the trackball angle from 0 to 20 degrees. This adjustment helps achieve a more natural and comfortable hand position, reducing wrist and arm fatigue during extended

use.

New Angle, More Natural



0°
ANGLE



20°
ANGLE

Image: A hand operating the ProtoArc EM01 NL trackball mouse, demonstrating its adjustable angle feature from 0 to 20 degrees for enhanced ergonomic comfort.

5.2 DPI Adjustment

The mouse offers 5 adjustable DPI levels (200/400/800/1200/1600) to control cursor sensitivity. Press the DPI button to cycle through the settings and find your preferred tracking speed for precise movement.

Adjustable DPI for Precise Movement



Image: The ProtoArc EM01 NL trackball mouse on a desk next to a laptop, with an overlay indicating the adjustable DPI settings of 200, 400, 800, 1200, and 1600 for precise cursor control.

5.3 Multi-Device Switching

Easily switch between up to three connected devices (one 2.4G wireless, two Bluetooth) by pressing the dedicated connectivity button. This allows for seamless workflow across multiple computers or tablets.

5.4 Quiet Clicking

The mouse features smooth frosted surfaces and quiet clicks, designed to minimize noise and maintain focus in quiet

environments. Note that the middle scroll wheel is not silent.



Image: The ProtoArc EM01 NL trackball mouse on a desk next to a laptop, with a graphic illustrating its 90% whisper-quiet click feature compared to typical mouse, library, and talking voice sound levels.

5.5 Usage Tips

- **Learning Curve:** Using a trackball mouse may require an adjustment period. Experiment with different hand positions to find what is most comfortable for you. Many users find that 1-2 weeks of consistent use helps reduce wrist pressure and pain associated with traditional mice.

- **Thumb Control:** The trackball is controlled by your thumb, eliminating the need to move your entire arm. This allows for precise navigation in confined spaces.
- **Mac OS Compatibility:** The backward and forward buttons are not compatible with Mac OS systems.

6. MAINTENANCE

6.1 Cleaning the Trackball

To ensure smooth and accurate tracking, regularly clean the trackball and the three white rollers inside its housing. After a period of use, dust and debris can accumulate, affecting performance.

1. Gently remove the trackball from its socket.
2. Use a soft, lint-free cloth to wipe the trackball clean.
3. Carefully clean the three small white rollers located inside the trackball's housing.
4. Reinsert the trackball into its socket.

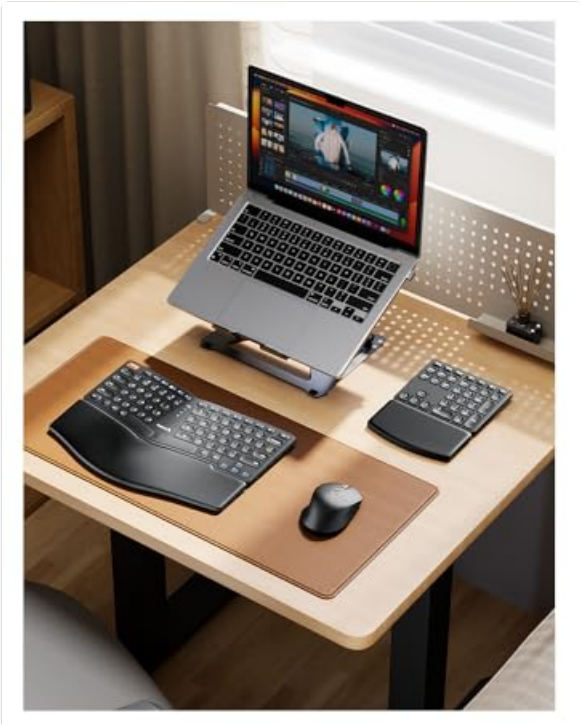


Image: A three-step visual guide demonstrating how to clean the trackball: 1) Take out the trackball, 2) Clean with a soft cloth, and 3) Put the trackball back inside.

7. TROUBLESHOOTING

- **Trackball not running smoothly:** Ensure the trackball and internal rollers are clean (refer to Section 6.1). Performance may also be affected when the computer is just starting or running large applications.
- **Connection issues:** For 2.4G wireless, ensure the USB receiver is securely plugged in and the mouse is in 2.4G mode. For Bluetooth, ensure the mouse is in pairing mode and your device's Bluetooth is enabled. Try re-pairing if necessary.
- **Cursor erratic or unresponsive:** Check battery level and recharge if low. Clean the trackball and rollers. Ensure the mouse is within range of your device.
- **Mouse not turning on:** Verify the Power ON/OFF switch is in the 'ON' position. Charge the mouse fully.

8. SPECIFICATIONS

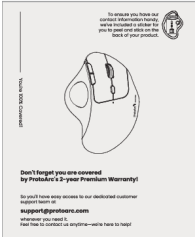

Feature	Detail
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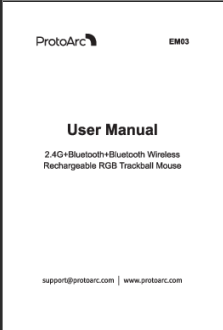
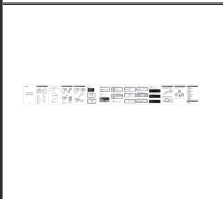
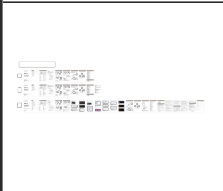
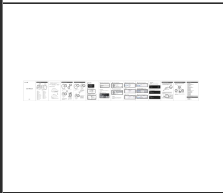
Feature	Detail
Product Dimensions	3.54 x 2.76 x 0.04 inches
Item Weight	12.3 ounces
Item Model Number	EM01 NL
Batteries	1 Lithium Ion battery required (included)
Manufacturer	ProtoArc
Brand	ProtoArc
Color	Gray Ball
Connectivity Technology	2.4G Wireless, Bluetooth
Special Features	Adjustable Angle, Ergonomic Design, Quiet, Rechargeable, Wireless
Movement Detection Technology	Trackball

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation included with your purchase or visit the official ProtoArc website. Contact information for customer service is typically available on the product packaging or the manufacturer's support page.

Related Documents - EM01 NL

	<p>ProtoArc EM04 Trackball Mouse Quick Start Guide and Warranty</p> <p>Get started quickly with the ProtoArc EM04 Wireless Bluetooth Trackball Mouse. This guide provides setup instructions, connection details, and essential warranty information.</p>
	<p>ProtoArc EM01 Wireless RGB Trackball Mouse User Manual</p> <p>Comprehensive user manual for the ProtoArc EM01 wireless RGB trackball mouse. Learn how to connect via 2.4G USB or Bluetooth to Windows, macOS, iOS, and Android devices. Includes setup instructions, charging guide, device switching, and detailed specifications.</p>

 <p>ProtoArc EM03</p> <p>User Manual</p> <p>2.4G+Bluetooth+Bluetooth Wireless Rechargeable RGB Trackball Mouse</p> <p>support@protoarc.com www.protoarc.com</p>	<p>ProtoArc EM03 Wireless Trackball Mouse User Manual Connection & Features</p> <p>Comprehensive user manual for the ProtoArc EM03 wireless trackball mouse. Learn about 2.4G and Bluetooth connectivity for Windows, Mac, iOS, and Android, DPI settings, charging, and product features.</p>
	<p>ProtoArc EM01 Wireless Trackball Mouse User Manual - Connection, Features, and Specs</p> <p>Comprehensive user manual for the ProtoArc EM01 rechargeable RGB trackball mouse. Learn about 2.4G and Bluetooth connectivity, product features, charging, system requirements, and technical specifications.</p>
	<p>ProtoArc EM01 NL Wireless Ergonomic Trackball Mouse User Manual</p> <p>Comprehensive user manual for the ProtoArc EM01 NL wireless ergonomic thumb trackball mouse, covering setup, features, connectivity (2.4G USB and Bluetooth), charging, data parameters, packing list, manufacturer information, and safety precautions.</p>
	<p>ProtoArc EM01 RGB Trackball Mouse User Manual - Advanced Wireless Connectivity</p> <p>Comprehensive user manual for the ProtoArc EM01 RGB Trackball Mouse, detailing features, setup, connectivity (2.4G, Bluetooth), charging, and specifications. Learn how to use your advanced wireless mouse.</p>

Documents - ProtoArc – EM01 NL



[ProtoArc EM01 NL Wireless Ergonomic Trackball Mouse User Manual](#)

Comprehensive user manual for the ProtoArc EM01 NL wireless ergonomic thumb trackball mouse, covering setup, features, connectivity (2.4G USB and Bluetooth), charging, data parameters, packing list, manufacturer information, and safety precautions.

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