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> ProtoArc EM02 Wireless Bluetooth Trackball Mouse Instruction Manual

ProtoArc EM02

ProtoArc EM02 Wireless Bluetooth Trackball Mouse

INSTRUCTION MANUAL

Model: EM02 | Brand: ProtoArc

Introduction

The ProtoArc EM02 Wireless Bluetooth Trackball Mouse is designed for ergonomic comfort and efficient navigation. Featuring an adjustable tilt angle, precise thumb control, and multi-device connectivity, it aims to reduce wrist strain and enhance productivity in various work environments. This manual provides detailed instructions for setup, operation, and maintenance to ensure optimal performance.

What's in the Box

- ProtoArc EM02 Ergonomic Trackball Mouse
- USB-C Charging Cable
- 2.4GHz USB Receiver
- User Manual

Product Overview

Familiarize yourself with the components and features of your ProtoArc EM02 mouse.



Image: Detailed diagram highlighting the various buttons, ports, and features of the ProtoArc EM02 mouse, including the USB-C charging port, power switch, USB receiver storage, left and right click buttons, scroll wheel, DPI adjustment button, channel switch button, trackball, and LED indicators for 2.4G, Bluetooth 1, and Bluetooth 2 connections.



Image: The ProtoArc EM02 mouse demonstrating its adjustable tilt angles. The image shows the mouse in a flat 0-degree position and a tilted 15-degree position, illustrating how the base can be adjusted for personalized ergonomic comfort.

Setup Instructions

2.4GHz Wireless Connection

1. Locate the 2.4GHz USB receiver stored in the bottom compartment of the mouse.
2. Plug the USB receiver into an available USB port on your computer.
3. Turn on the mouse using the power switch located on the bottom.
4. The mouse should automatically connect. If not, press the channel switch button (usually labeled 'C' or with a channel icon) on the mouse to select the 2.4G channel.

Bluetooth Connection

1. Turn on the mouse using the power switch on the bottom.
2. Press and hold the channel switch button (usually labeled 'C' or with a channel icon) for 3-5 seconds to enter Bluetooth pairing mode. The corresponding Bluetooth indicator light (BT1 or BT2) will flash.
3. On your device (Laptop, PC, Mac, Tablet), go to Bluetooth settings and search for 'ProtoArc EM02'.
4. Select 'ProtoArc EM02' to pair. The indicator light will stop flashing once connected.
5. Repeat steps 2-4 to connect to a second Bluetooth device using the other Bluetooth channel (BT2).

Video: This video demonstrates the adjustable angle feature and multi-device connectivity of the ProtoArc EM02 Trackball Mouse. It shows how to switch between different devices and adjust the mouse's tilt for ergonomic comfort.

Operating Instructions

Adjustable Tilt Angle

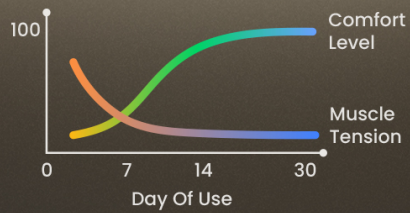
The EM02 features a customizable hinge that allows you to set the trackball to a flat 0° or a tilted 15° position. This ergonomic adjustment helps maintain a natural hand posture, reducing strain and providing personalized comfort. Simply push the bottom plate to toggle between the two angles.

Precise Trackball Control

Navigate efficiently without moving your wrist. Simply roll the trackball with your thumb for smooth, accurate cursor control. This is ideal for tight or cluttered workspaces, minimizing fatigue and maximizing productivity.

1-2 Weeks Adaptation Time

Choosing an adjustable angle trackball can help you adapt more quickly and maintain a comfortable posture



* Many users find it reduces wrist pressure and pain after long-term use



Image: The ProtoArc EM02 mouse with an illustration emphasizing its 360-degree full-range trackball control. Arrows around the trackball indicate smooth, omnidirectional movement, highlighting features like faster response, steadier movement, and effortless precision.

Multi-Device Switching

Seamlessly switch between up to three connected devices (one 2.4GHz wireless and two Bluetooth) with a single press of the channel switch button. This allows for broad compatibility across various operating systems (note: forward/backward buttons are not compatible with Mac OS).

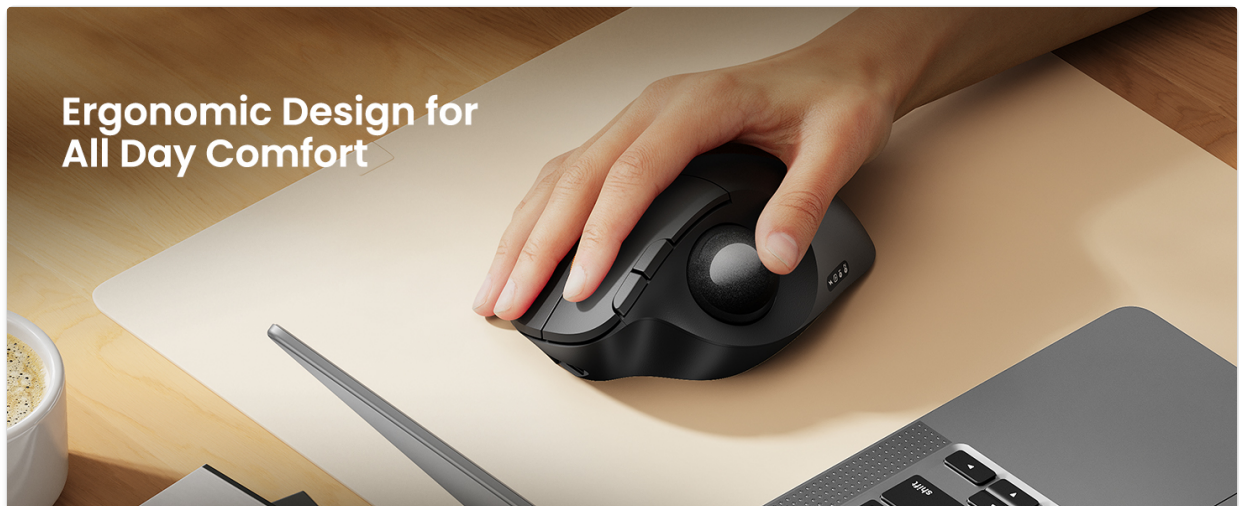
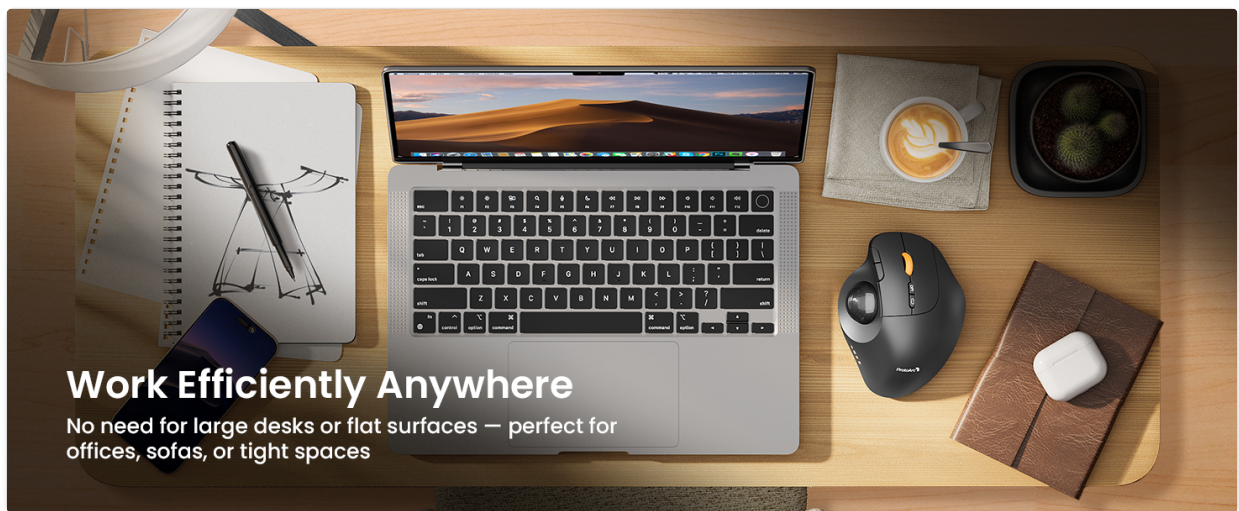


Image: The ProtoArc EM02 mouse positioned on a desk, simultaneously connected to a laptop, an external monitor, and a tablet. This visual demonstrates the mouse's multi-device connectivity feature, allowing users to switch between devices with a single click.

Quiet Clicks & Adjustable DPI

The mouse is equipped with quiet-touch buttons, ideal for environments where noise reduction is important. Five adjustable DPI settings (200/400/800/1200/1600) allow you to fine-tune cursor speed and precision to match your workflow.



Work Efficiently Anywhere

No need for large desks or flat surfaces — perfect for offices, sofas, or tight spaces

Image: The ProtoArc EM02 mouse with a circular graphic illustrating its 5-level adjustable DPI settings (200, 400, 800, 1200, 1600 DPI). This highlights the mouse's ability to customize cursor speed for different tasks and user preferences.

Charging

The EM02 mouse features a convenient USB-C charging port. Connect the provided USB-C cable to the mouse and a power source (e.g., computer USB port, USB wall adapter). A full charge provides an impressive 90-day standby time, ensuring long-lasting performance.



Image: The ProtoArc EM02 mouse connected to a USB-C charging cable, with text indicating a 90-day standby time and 3.5 hours charging time. This image emphasizes the mouse's long battery life and convenient charging method.

Maintenance

To ensure optimal performance and smooth tracking, regular cleaning of the trackball is recommended.

Cleaning the Trackball

1. Turn off the mouse power using the switch on the bottom.
2. Firmly grip the trackball with your thumb and index finger and slowly pull it out of its housing. Handle with care to avoid dropping or scratching the surface.
3. Gently clean the ball housing with a cleaning cloth. For stubborn stains, use a slightly damp cotton swab. Avoid getting moisture inside the mouse.
4. Wipe the removed trackball clean with a dry cleaning cloth.
5. Put the cleaned trackball back into its original position in the mouse.

Video: This video provides a step-by-step guide on how to clean the trackball of the ProtoArc EM02 mouse. It demonstrates how to remove the trackball, clean the internal components and the ball itself, and reinsert it for smooth operation.

Notes:

- For optimal performance, please clean the trackball weekly.
- Do not use alcohol or harsh detergents, as they may damage the ball surface. If a mild detergent is used, rinse thoroughly with water and allow the ball to dry completely in a well-ventilated area.
- If the ball still does not roll smoothly after cleaning, apply a small amount of hand cream evenly over the entire surface using a soft cloth. Wipe off any excess afterward.
- Take care during cleaning to avoid damaging the optical sensor.

Troubleshooting

If you encounter any issues with your ProtoArc EM02 mouse, please try the following general troubleshooting steps:

- **No Connection:** Ensure the mouse is powered on and fully charged. For 2.4GHz, check if the USB receiver is properly inserted. For Bluetooth, ensure your device's Bluetooth is enabled and the mouse is in pairing mode. Try re-pairing the device.
- **Lagging/Unresponsive Cursor:** Clean the trackball as described in the Maintenance section. Ensure there are no obstructions between the mouse and the receiver/device. Check for low battery.
- **Buttons Not Working:** Verify the mouse is connected. For Mac OS, note that forward/backward buttons may not be compatible.
- **DPI Adjustment Not Working:** Press the DPI button to cycle through settings. If unresponsive, try restarting the mouse.

If problems persist, please refer to the Warranty & Support section for further assistance.

Specifications

Brand	ProtoArc
Model Number	EM02
Color	Gray
Connectivity Technology	2.4G Wireless, Bluetooth
Special Features	Adjustable Tilt Angle, Ergonomic Design, Rechargeable, Quiet Clicks, Wireless
Movement Detection Technology	Optical
Button Quantity	6
Hand Orientation	Right
Compatible Devices	Laptop, Personal Computer, Tablet
Operating System	Android, Mac OS, Windows
Battery Average Life	90 days (standby)

Mouse Maximum Sensitivity	1600 Dots per Inch (Adjustable: 200/400/800/1200/1600)
Power Source	Battery Powered (USB-C Rechargeable)
Item Weight	0.36 Kilograms

Warranty & Support

The ProtoArc EM02 Wireless Bluetooth Trackball Mouse comes with a **2-Year Warranty** from the manufacturer, ProtoArc.

For technical support, warranty claims, or any product-related inquiries, please contact ProtoArc customer service through their official website or the contact information provided in your product packaging.