

[manuals.plus](#) /

› [ProtoArc](#) /

› [ProtoArc EM11 NL Ergonomic Vertical Mouse User Manual](#)

ProtoArc EM11 NL

ProtoArc EM11 NL Ergonomic Vertical Mouse User Manual

Model: EM11 NL

INTRODUCTION

Thank you for choosing the ProtoArc EM11 NL Ergonomic Vertical Mouse. This manual provides detailed instructions for setting up, operating, and maintaining your new mouse. Designed for comfort and efficiency, this mouse aims to reduce wrist and forearm strain during extended use.





The ProtoArc EM11 NL Ergonomic Vertical Mouse, designed for natural hand positioning.

PACKAGE CONTENTS

Please verify that all items are present in your package:

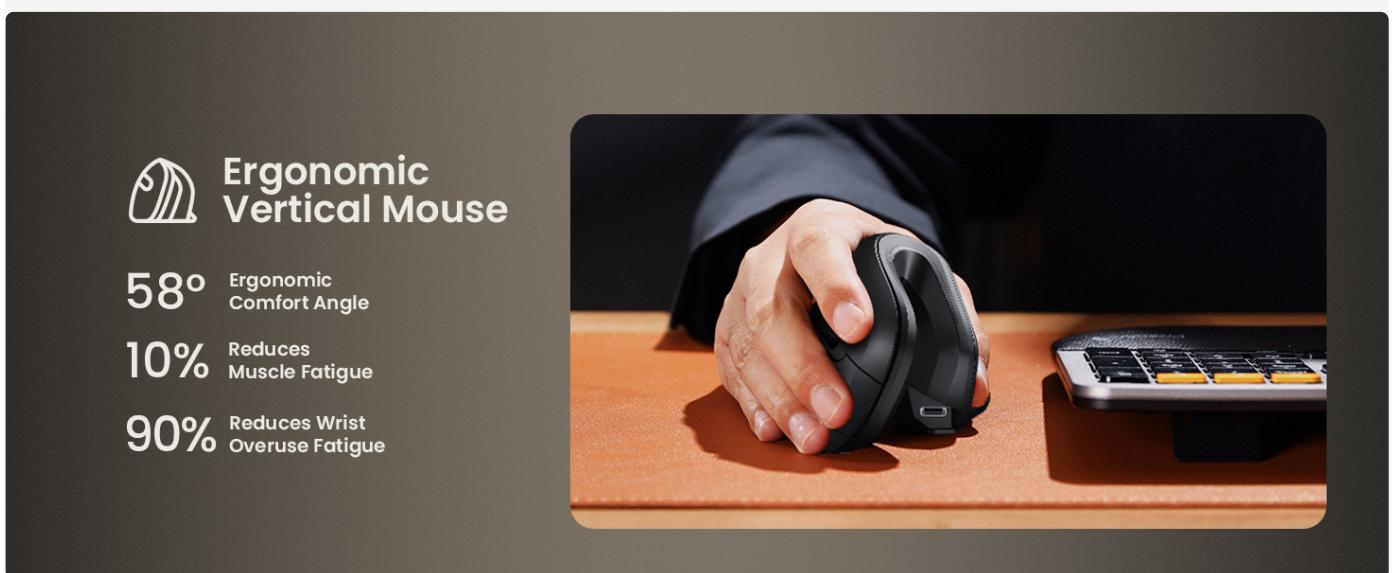
- 1 x ProtoArc Rechargeable Bluetooth Ergonomic Mouse
- 1 x 2.4G USB Receiver
- 1 x Type-C Charging Cable
- 1 x User Manual (this document)



Illustration of the items included in the ProtoArc EM11 NL mouse package.

PRODUCT OVERVIEW

Familiarize yourself with the various components and buttons of your ProtoArc EM11 NL mouse.



Detailed diagram showing the labeled parts of the ProtoArc EM11 NL mouse.

- Left Button:** Standard left-click function.
- Right Button:** Standard right-click function.
- Scroll Wheel:** For vertical scrolling and middle-click.
- Low-Battery Indicator:** Illuminates when battery is low.
- DPI Button:** Adjusts mouse sensitivity (DPI).
- Forward Button:** Navigates forward in web browsers/applications (not compatible with Mac OS).
- Backward Button:** Navigates backward in web browsers/applications (not compatible with Mac OS).
- USB Receiver:** Stores the 2.4G wireless receiver.
- Power Switch:** Turns the mouse On/Off.
- Switch Button:** Toggles between 2.4G, Bluetooth 1, and Bluetooth 2 modes.
- 2.4G Indicator:** Lights up when in 2.4G mode.
- Bluetooth 1 Indicator:** Lights up when in Bluetooth 1 mode.

13. **Bluetooth 2 Indicator:** Lights up when in Bluetooth 2 mode.

SETUP

Your ProtoArc EM11 NL mouse offers three connectivity options: 2.4G wireless via USB receiver, Bluetooth 1, and Bluetooth 2. You can connect up to three devices simultaneously and switch between them.

2.4G Wireless Connection

1. Locate the 2.4G 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 on the bottom.
4. Press the Switch Button on the bottom of the mouse until the 2.4G Indicator light is active. The mouse should now be connected.

Bluetooth Connection (BT1 / BT2)

1. Turn on the mouse using the Power Switch on the bottom.
2. Press the Switch Button on the bottom of the mouse to select either Bluetooth 1 (BT1) or Bluetooth 2 (BT2) mode. The corresponding indicator light will flash slowly.
3. To enter pairing mode, press and hold the Switch Button for 3-5 seconds until the selected Bluetooth indicator light flashes rapidly.
4. On your device (computer, laptop, tablet), open Bluetooth settings.
5. Search for new devices and select "ProtoArc EM11 NL" from the list.
6. Once paired, the Bluetooth indicator light on the mouse will stop flashing and remain solid for a few seconds before turning off.



The bottom of the mouse, illustrating the power switch, 2.4G receiver slot, and multi-device switch button.

OPERATING INSTRUCTIONS

General Use

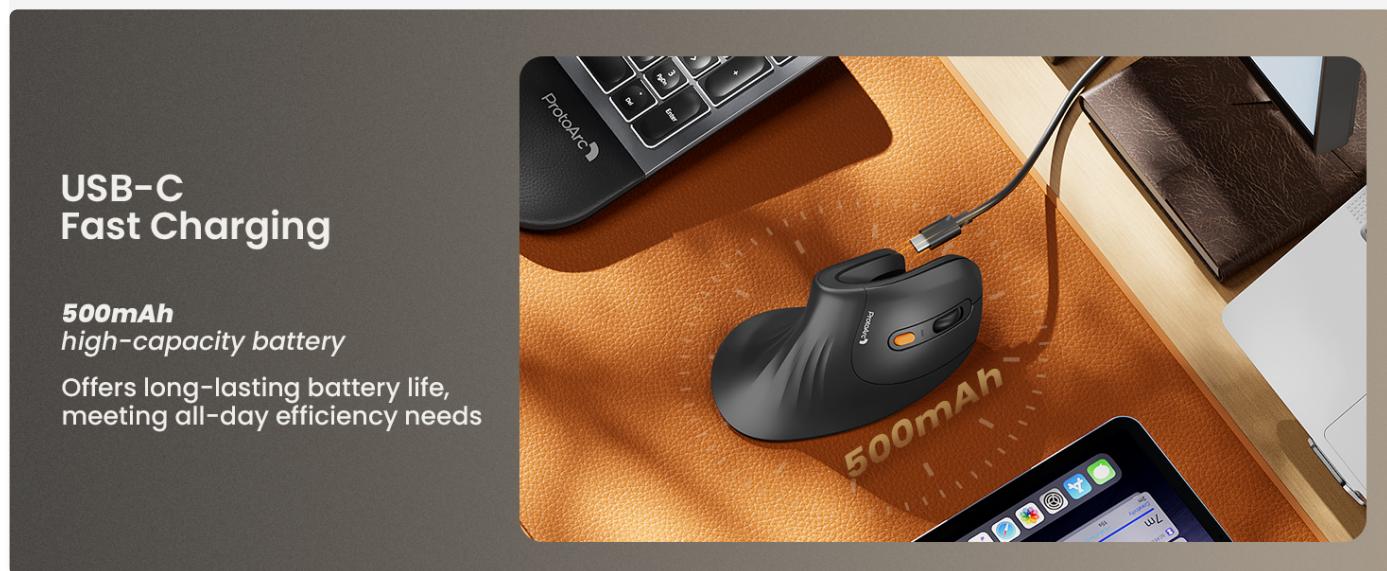
The ProtoArc EM11 NL mouse is designed for intuitive use. The left and right buttons function as standard mouse clicks. The scroll wheel allows for smooth vertical navigation. The forward and backward buttons (located near the thumb) provide quick navigation in web browsers and certain applications. Please note that the forward and backward buttons are not compatible with Mac OS systems.

The mouse features silent clicking sounds, making it suitable for quiet environments such as offices or libraries.

Adjusting DPI (Sensitivity)

The mouse offers three adjustable DPI levels: 1000, 1600, and 2400. DPI (Dots Per Inch) determines how sensitive the mouse is to movement. A higher DPI means the cursor moves further with less physical mouse movement.

- Press the **DPI Button** (located near the scroll wheel) to cycle through the available DPI settings.
- The mouse will briefly indicate the change, though there is no visual display for the current DPI level. Adjust until you find a comfortable sensitivity for your tasks.

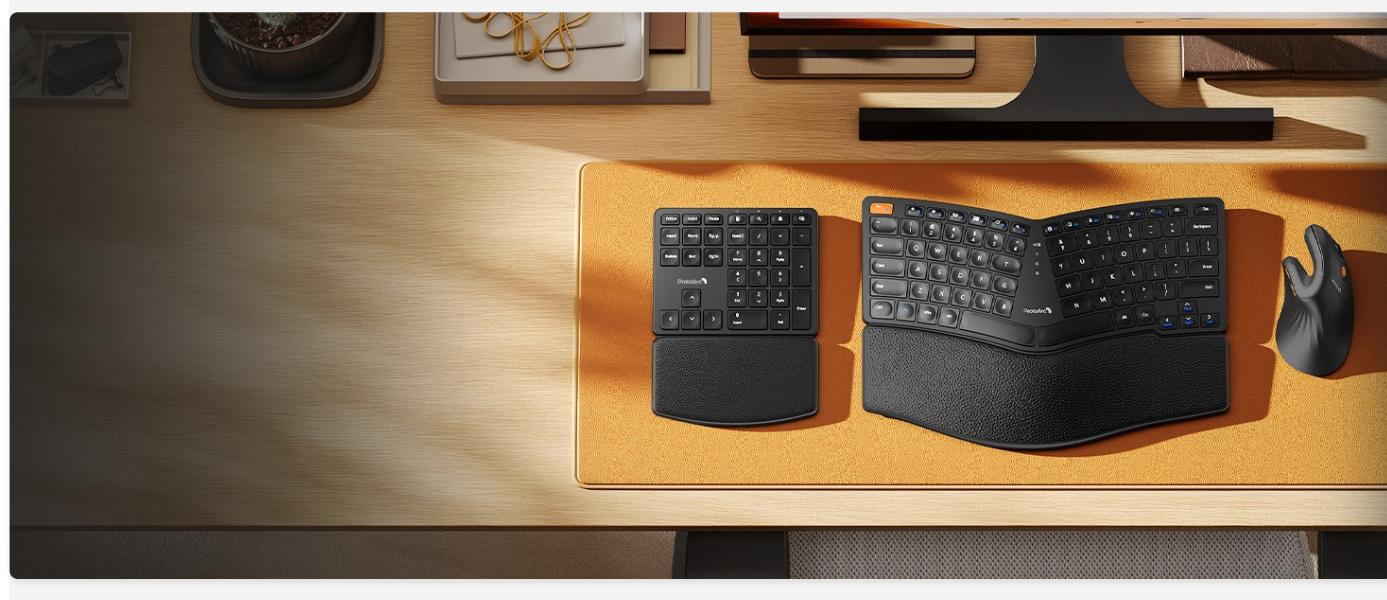


Features including the DPI button, non-slip striped design, and forward/backward buttons.

CHARGING THE MOUSE

The ProtoArc EM11 NL mouse is equipped with a built-in 500mAh Li-Ion rechargeable battery.

- When the Low-Battery Indicator light flashes, it's time to recharge the mouse.
- Connect the included Type-C charging cable to the mouse's charging port and the other end to a USB power source (e.g., computer USB port, USB wall adapter).
- The charging indicator light will illuminate during charging. It will turn off when the mouse is fully charged.
- The mouse can be used while it is charging.



The ProtoArc EM11 NL mouse being charged via its USB-C port.

ERGONOMIC CONSIDERATIONS

The EM11 NL mouse is designed with a vertical orientation to promote a natural "handshake" grip, which can help reduce wrist and forearm strain often associated with traditional mice.



Proper handshake posture when using the ergonomic vertical mouse.

- **Natural Vertical Hold:** Your palm should be perpendicular to the desk, with fingers gently curved.
- **Natural Comfort Grip:** Aim for a relaxed grip for all-day comfort.
- **Neutral Wrist Position:** Keep your wrist straight and supported to minimize pressure.



The 58° ergonomic comfort angle of the mouse, designed to reduce muscle and wrist fatigue.

Adaptation Period: It may take 1-2 weeks to fully adapt to the unique shape and grip of a vertical mouse, especially if you are accustomed to traditional mice. Many users find that this adaptation period leads to reduced pressure and pain on the wrist from long-term mouse use.

Embrace Sustainability

Less carbon, more green. Empower change for a brighter future

281,460 kg CO₂ have been offset



Graph showing the typical adaptation curve for comfort and muscle tension when switching to an ergonomic mouse.

Hand Size Recommendation: This ergonomic vertical mouse is recommended for small to medium-sized hands. Please measure your hand before ordering to ensure a better fit and enhanced comfort.

**1-2 weeks
Adaptation Time**

Like any good habit, it just takes a little time

The graph illustrates the adaptation process. The 'Comfort Level' (green line) starts at a low value and rises sharply initially, then levels off towards 100% by day 14. The 'Muscle Tension' (orange line) starts high and decreases rapidly, approaching 0% by day 14. Both curves reach a plateau by day 30.

Day Of Use	Comfort Level (%)	Muscle Tension (%)
0	~10	~90
7	~50	~40
14	~90	~10
30	~100	~0

* Many users find it reduces wrist pressure and pain while enhancing comfort during long-term use

A close-up photograph of a person's hand gripping a black ergonomic vertical mouse with a yellow scroll wheel, resting on a light-colored wooden desk.

Guide for measuring hand size to determine suitability for the ergonomic mouse.

MAINTENANCE

To ensure the longevity and optimal performance of your ProtoArc EM11 NL mouse, follow these maintenance guidelines:

- Cleaning:** Use a soft, dry cloth to wipe the surface of the mouse. For stubborn dirt, a slightly damp cloth with mild soap can be used, but ensure no liquid enters the mouse.
- Storage:** Store the mouse in a cool, dry place away from direct sunlight and extreme temperatures.
- Battery Care:** Avoid fully discharging the battery frequently. For long-term storage, charge the mouse to about 50% to preserve battery health.
- Avoid Drops:** Protect the mouse from drops and impacts, which can damage internal components.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Mouse not responding.	Low battery; Power switch off; Incorrect connection mode; USB receiver not plugged in (2.4G); Bluetooth not paired.	Charge the mouse; Turn on the power switch; Ensure correct mode (2.4G, BT1, BT2) is selected; Plug in the USB receiver; Re-pair Bluetooth.
Cursor movement is erratic or slow.	Low DPI setting; Dirty optical sensor; Uneven surface; Interference (wireless).	Press the DPI button to increase sensitivity; Clean the optical sensor with a soft cloth; Use on a smooth, opaque surface; Move closer to the receiver/device or reduce other wireless interference.
Forward/Backward buttons not working on Mac OS.	Incompatibility with Mac OS.	These buttons are not compatible with Mac OS systems. This is expected behavior.
Difficulty adapting to ergonomic shape.	New user experience.	Allow 1-2 weeks for adaptation. Relax your palm and hold the mouse naturally. Ensure your hand size is suitable for the mouse.

SPECIFICATIONS

Feature	Detail
Model Number	EM11 NL
Connectivity Technology	Bluetooth 5.0, 2.4G USB Wireless
DPI Levels	1000 / 1600 / 2400
Battery Capacity	500mAh Li-Ion (Rechargeable)
Movement Detection	Optical
Product Dimensions	3.54 x 2.76 x 0.04 inches
Item Weight	8.8 ounces
Compatibility	Windows 8/10+, Mac OS X 10.12+, Android 4.3+
Special Features	Ergonomic Vertical Design, Multi-Device Connectivity, Silent Clicking

WARRANTY AND SUPPORT

ProtoArc products are designed for durability and performance. For warranty information, technical support, or customer service inquiries, please refer to the contact information provided on the ProtoArc official website or the packaging of your product.

You can also visit the official ProtoArc store on Amazon for more information and support resources:[ProtoArc Amazon Store](#).

