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## ProtoArc EM15

# ProtoArc EM15 Dual Mode Wireless Mouse User Manual

MODEL: EM15 | BRAND: PROTOARC

## 1. Introduction

The ProtoArc EM15 is a versatile dual-mode wireless mouse designed for seamless connectivity across various devices. Featuring both USB-C and standard USB receivers, adjustable DPI settings, and an integrated mouse jiggler function, it offers convenience and efficiency for both work and personal use. This manual provides detailed instructions to help you get the most out of your EM15 mouse.

## 2. What's in the Box

- 1 x 2.4G Wireless Mouse
- 1 x USB Receiver
- 1 x TYPE C Receiver
- 1 x User Manual
- 1 x Charging Cable

## 3. Product Overview

Familiarize yourself with the components and controls of your ProtoArc EM15 mouse.



Figure 3.1: ProtoArc EM15 Mouse Components

**Left Button:** Standard left-click function.

**Right Button:** Standard right-click function.

**Scroll Wheel:** For vertical scrolling.

**Forward Button:** Navigates forward in web browsers or file explorers.

**Backward Button:** Navigates backward in web browsers or file explorers.

**DPI/Mouse Jiggler Switch:** Press to adjust DPI, press and hold to activate/deactivate jiggler.

**Type C Charging Port:** For recharging the mouse battery.

**Power Switch:** Turns the mouse On or Off.

**Channel Switch:** Selects between 2.4G USB, Bluetooth 1, and Bluetooth 2 modes.

**Type C Receiver:** Stored in the battery compartment for Type-C device connectivity.

**USB Receiver:** Stored in the battery compartment for standard USB device connectivity.



Figure 3.2: Hand Size Guide for Optimal Comfort

## 4. Setup

The ProtoArc EM15 mouse offers dual-mode connectivity (2.4G USB and Bluetooth) for flexible use.

### 4.1. 2.4G USB Connection

1. Locate the USB-A and USB-C receivers in the battery compartment on the underside of the mouse.
2. Select the appropriate receiver (USB-A or USB-C) for your device.
3. Plug the chosen receiver into an available USB port on your computer or device.
4. Turn on the mouse using the Power Switch on the underside.
5. Switch the Channel Switch to the '1' position for 2.4G USB mode. The mouse is plug-and-play and should connect automatically.

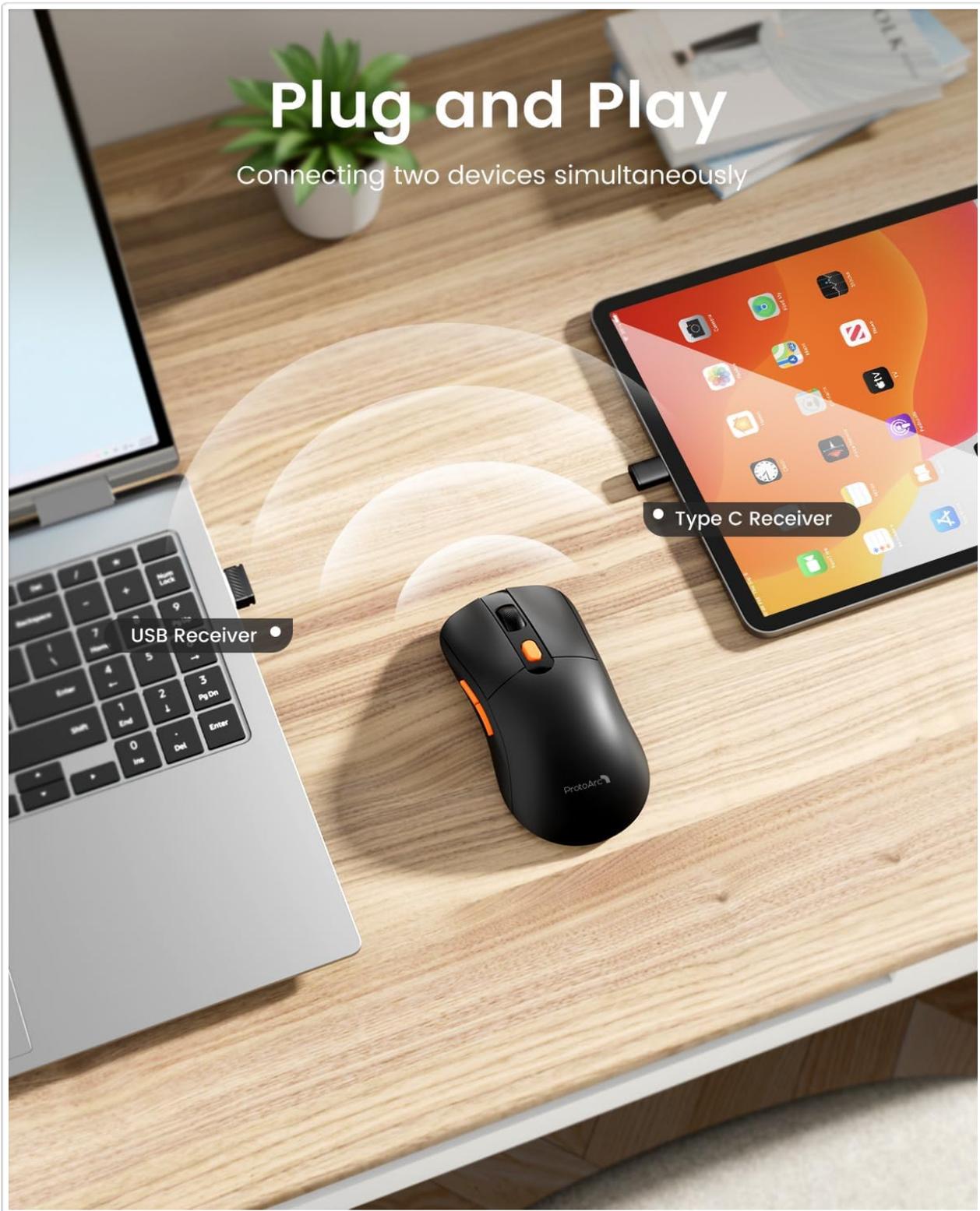


Figure 4.1: Dual Receiver Connectivity



Figure 4.2: USB and Type-C Receivers

## 4.2. Bluetooth Connection

1. Turn on the mouse using the Power Switch on the underside.
2. Switch the Channel Switch to the '2' or '3' position for Bluetooth mode. The indicator light will flash, indicating it's in pairing mode.
3. On your device (laptop, tablet, etc.), go to Bluetooth settings and search for available devices.
4. Select "ProtoArc EM15" from the list to pair. Once paired, the indicator light will stop flashing.

## 5. Operating Instructions

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### 5.1. Switching Between Connected Devices

The EM15 mouse supports connecting to up to three devices (one 2.4G USB and two Bluetooth). Use the Channel Switch on the underside of the mouse to toggle between the connected devices.

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Video 5.1: Demonstrating switching between two devices with the ProtoArc EM15 mouse.

### 5.2. Adjustable DPI

The mouse features 3 adjustable DPI levels (800/1200/1600) to suit your precision needs. Press the DPI button (located below the scroll wheel) to cycle through the settings. Each press will change the cursor sensitivity.



Figure 5.1: Adjustable DPI Settings

### 5.3. Mouse Jiggler Function

The EM15 includes a mouse jiggler function to keep your computer awake during periods of inactivity. This prevents your computer from entering sleep mode or locking the screen.

- **To Enter Jiggler Mode:** Press and hold the DPI button for 3-5 seconds. The mouse cursor will begin to move randomly on the screen.
- **To Exit Jiggler Mode:** Press and hold the DPI button for 3-5 seconds again. The cursor will return to normal control.

*Note: Turning off the mouse will not exit Jiggler mode. You must press and hold the DPI button to exit.*

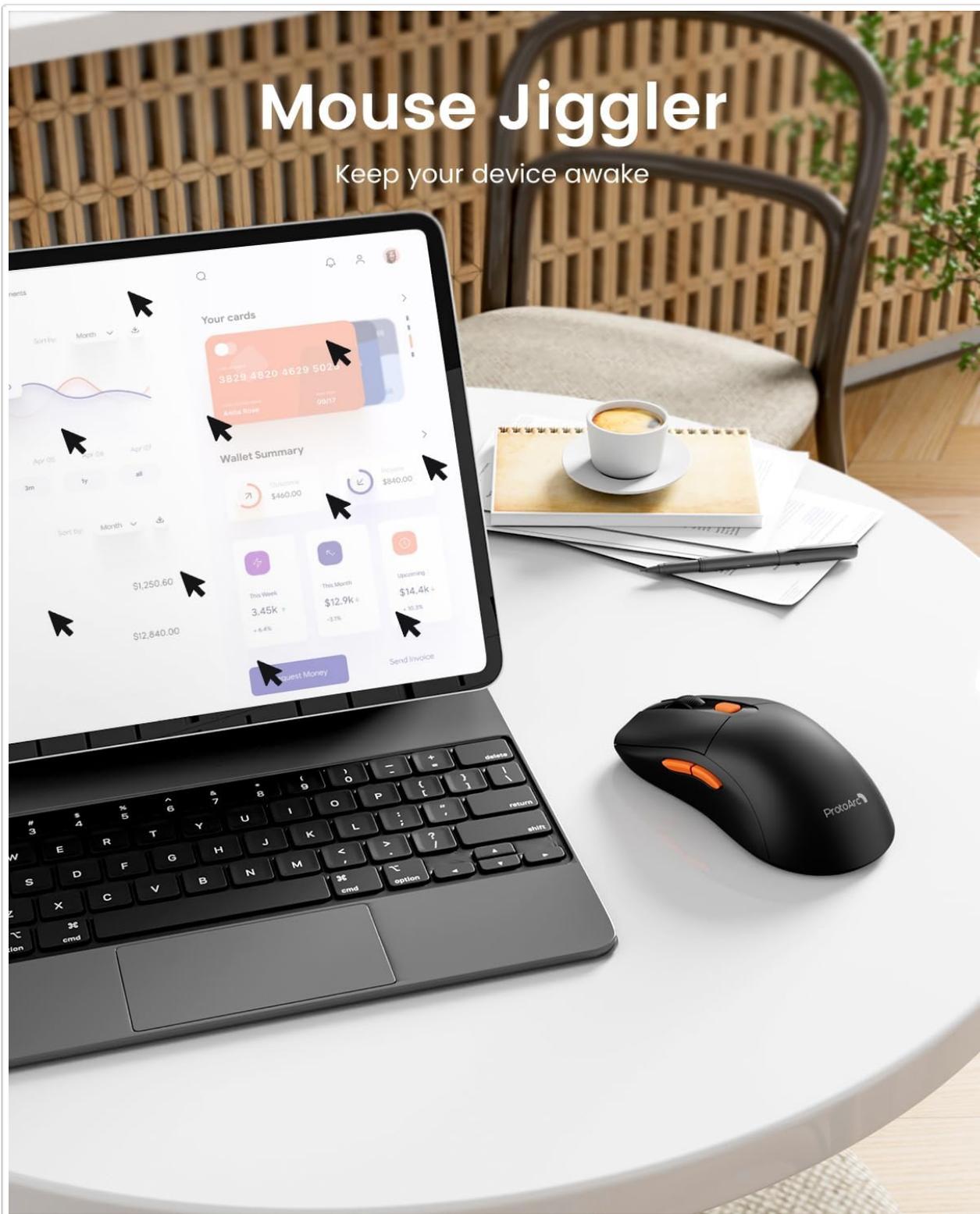


Figure 5.2: Mouse Jiggler in Action

## 5.4. Charging

The EM15 mouse has a built-in Lithium Ion battery. Use the included USB-C charging cable to recharge the mouse.

- Connect the USB-C end of the charging cable to the Type C Charging Port on the front of the mouse.
- Connect the other end of the charging cable to a USB power source (e.g., computer USB port, wall adapter).
- A full charge takes approximately 2 hours, providing up to 15 days of use or 200 days of standby time.
- The mouse will enter sleep mode after a few minutes of inactivity to conserve battery.

# USB-C Rechargeable



Figure 5.3: Charging the EM15 Mouse

## 6. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the mouse. Avoid using harsh chemicals or abrasive materials.
- **Storage:** When not in use, store the USB and Type-C receivers in their designated compartments on the underside of the mouse to prevent loss.
- **Battery Care:** To prolong battery life, avoid fully discharging the mouse frequently. Charge it when the low battery indicator appears.

## 7. Troubleshooting

- **Mouse not connecting:**

- Ensure the mouse is powered on.
- Verify the correct channel (1 for 2.4G USB, 2 or 3 for Bluetooth) is selected.
- For Bluetooth, ensure your device's Bluetooth is enabled and the mouse is in pairing mode.
- Try plugging the receiver into a different USB port.
- Recharge the mouse battery.

- **Cursor movement is erratic or slow:**

- Adjust the DPI setting by pressing the DPI button.
- Ensure the mouse is used on a suitable surface (non-reflective, non-glass).
- Clean the optical sensor on the underside of the mouse.

- **Mouse Jiggler not working:**

- Ensure you are pressing and holding the DPI button for 3-5 seconds to activate/deactivate.
- Check if the mouse battery is sufficiently charged.

## 8. Specifications

Feature	Specification
Model Number	EM15
Connectivity Technology	2.4G Wireless (USB-A & USB-C receivers), Bluetooth 5.0
Movement Detection Technology	Optical
DPI Levels	800 / 1200 / 1600
Battery Type	Built-in Lithium Ion
Charging Time	Approx. 2 hours
Usage Time	Up to 15 days (typical use)
Standby Time	Up to 200 days
Special Features	Mouse Jiggler, Portable, Rechargeable, Quiet Click (main buttons)
Item Weight	2.82 ounces (approx. 80g)
Compatibility	Windows 7/8/10/XP, Vista, Mac OS X 10.10 or later, Type-C devices, tablets, cellphones, MacBook, iMac, Chromebook

## 9. Warranty and Support

ProtoArc products are designed for reliability and performance. For specific warranty details and customer support, please refer to the warranty card included in your product packaging or visit the official ProtoArc website. Keep your purchase receipt as proof of purchase for any warranty claims.

