尺寸：77x120mm　材质：100g超感米　工艺：四色双面印刷　折页方式：骑马订

英语

ProtoArc

# EM04

## User Manual

**Rechargeable Dual Mode Multi-Device Trackball Mouse**

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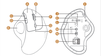
## Product Features



- Left Button
- Forward Button
- Trackball
- DPI Button
- TYPE-C Charging Port
- Bluetooth 1 Indicator
- Channel Switch Button
- USB Receiver
- Right Button
- Backward Button
- Scroll Wheel
- Charging / DPI Indicator
- Bluetooth 2 Indicator
- 2.4G Wireless Indicator
- Power Switch

**DPI Button**
Press the DPI button to adjust the cursor sensitivity. A single flash of the DPI indicator light means the cursor speed is set to 800. Slow to 400, four to 1200, and five to 1600.



## 2.4G USB Connection

1. Turn the power switch to "ON".
2. Press the channel switch button until the channel 2 or channel 1 indicator light flashes.
Long Press the channel switch button for 3 seconds to enter pairing mode. Release quickly, and the mouse enters the Bluetooth pairing mode.
3. Plug the channel switch button and the channel 1 Receiver or Type-C Receiver into your computer's usb port.
4. Wait for the mouse to connect.



## Bluetooth Connection

1. Turn the power switch to "ON".
2. Press the channel switch button until the channel 2 or channel 1 indicator light flashes.
Long Press the channel switch button for 3 seconds to enter pairing mode. Release quickly, and the mouse enters the Bluetooth pairing mode.

3. Turn on the Bluetooth settings on your device, search or select "Protoarc EM04" and start Bluetooth pairing until the connection is completed.



## Charging Guide

1. When the battery is low, the charging indicator flashes red slowly and continuously.

2. Insert the Type-C charging cable into the computer to charge the red light stays on during charging.

3. The charging time is about 1-1.5 hours and the indicator light turns off when fully charged.

## How to switch connection mode

Max BT1, BT2 and 2.4G wireless mode is connected, press the channel switch button for 3 seconds to switch the mouse to switch between multiple devices.

## Data parameters

**Basic parameters**
Movement Detection Technology: Optical
Resolution: Adjustable 800-1600 DPI
DPI Adjustable:1200-1600
Size: Lx Wx H:
Left/Right Button: 43.5*32.5*30.3mm
Weight: 114g

**Bluetooth transmission parameters:**
Bluetooth Version: 5.1
Working Voltage: 3.7V
Working Current: 10mA
Resonance rate: 125Hz
Transmission distance:
Maximum outside: 10m
Transmission distance indoor version: Max 15ft (4.5 m) or higher version
Standby current: 0.5mA

**2.4G transmission parameters:**
Transmission distance: 20m
Working Voltage: 3.7V
Working current: 15mA
Resonance rate: 250Hz
Transmission distance:
Accessible: 100 m
Indoor: Max 50 feet (15 meters), Windows 8, Windows 10 or higher version
Max 15ft (4.5 m) or higher version



## Packing List

- 1 x Wireless Mouse
- 1 x USB Receiver
- 1 x Type-C Charging Cable
- 1 x User Manual



## Safety Warning

**IMPORTANT: To reduce risk of fire, electric shock or injury follow these safety instructions.**

Charging Safety: Use only the provided cable. Charge in a dry, cool, well-ventilated area. Disconnect after charging.

Battery Handling: Do not attempt to replace the item's lithium battery. Battery replacement should be conducted by qualified personnel to avoid risks.

Avoid Exposure: Avoid leaving the item in high-temperature environments or in direct sunlight, which could result in a fire hazard.

Liquid Exposure: Keep the item away from water and liquids. Do not use it in wet or humid conditions.

Damage and Leakage: Cease usage and contact customer service if the item is damaged or the battery leaks.

Correct Disposal: Follow local regulations for discarding of electronic devices and batteries. Do not dispose of with household waste.

Radio Frequency Interference: The device may cause interference with nearby electronic devices. Keep it away from sensitive equipment.

USB Safety: Keep the item and its components out of reach of children to avoid choking or battery ingestion hazards. Never allow children to play with the item unsupervised.

**CAUTION:** Nonconformance with the above warnings can lead to serious injury or property damage.

For further assistance or information, please contact our customer service.

Emergency Contact: +1 866-207-8186 (United States)



## EU Declaration of Conformity

| | |
|---|---|
| Product Name: | Rechargeable Dual Mode Multi-Device Trackball Mouse |
| Model: | EM04 |
| Name: | ProtoArc |
| Address: | Jiaxing, China |
| Type of Enterprise: | Enterprise |
| Manufacturer: | Shenzhen Electronics Electronics Technology Co., Ltd |
| Address: | Jiaxing, China |
| Contact Information: | 4F, Block A, Jiaxing Wanbang Industrial Park Phase Two, Jiaxing City, Zhejiang Province, China. Email: support@protoarc.com |
| Harmonized Standards: | ☑ EN 300 328<br>☑ EN 301 489-1<br>☑ EN 301 489-17<br>☑ EN 62311<br>☑ EN 62479<br>☑ EN 62368-1<br>☑ EN 50581<br>☑ 2014/30/EU Electromagnetic Compatibility Directive<br>☑ 2014/53/EU Radio Equipment Directive<br>☑ 2011/65/EU RoHS Directive<br>☑ 2015/863/EU RoHS Directive |

It is our sole responsibility to declare that the product complies with the above EU directives and standards.

Signature: 

Signature: 

Date of Signature: 2022-11-15

Position: Manager

Place of Issue: Jiaxing, China



IC Warning
This device complies with Innovation, Science and Economic Development Canada's licence-exempt RSS standard(s). Operation is subject to the following two conditions:
(1) This device may not cause interference; and
(2) This device must accept any interference, including interference that may cause undesired operation of the device.
Cet appareil est conforme aux normes RSS d'Innovation, Sciences et Développement économique Canada en matière d'exemption de licence. Son fonctionnement est soumis aux deux conditions suivantes:
(1) Cet appareil ne doit pas provoquer d'interférences; et
(2) Cet appareil doit accepter toute interférence, y compris celles qui peuvent entraîner un fonctionnement indésirable de l'appareil.
This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe B est conforme à la norme NMB-003 duCanada.
The device has been evaluated to meet general RF exposure requirement.
The device can be used in portable exposure condition without restriction.
Cet appareil a été évalué afin de répondre aux exigences générales d'exposition aux RF.
L'appareil peut être utilisé sans restriction dans des conditions d'exposition portables.

FCC Warning
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.
Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
-Reorient or relocate the receiving antenna.
-Increase the separation between the equipment and receiver.
-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-Consult the dealer or an experienced radio/TV technician for help.
The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.