

ProtoArc KM310

ProtoArc KM310 Dual Mode Mechanical Keyboard and Mouse Kit User Manual

Model: KM310

INTRODUCTION

Thank you for choosing the ProtoArc KM310 Dual Mode Mechanical Keyboard and Mouse Kit. This kit provides a versatile and efficient solution for your computing needs, offering both 2.4G wireless and Bluetooth connectivity. The mechanical keyboard features a UK QWERTY layout with responsive red switches, while the ergonomic mouse offers adjustable DPI and quiet clicks. This manual will guide you through the setup, operation, and maintenance of your new device.



Image: The ProtoArc KM310 keyboard and mouse kit, showcasing its sleek design on a modern desk setup.

PACKAGE CONTENTS

- ProtoArc KM310 Mechanical Keyboard

- ProtoArc Wireless Mouse
- USB 2.4G Receiver (stored in the mouse battery compartment)
- USB-C Charging Cable
- User Manual

SETUP INSTRUCTIONS

Keyboard Setup

The keyboard supports both 2.4G wireless and Bluetooth connectivity. You can connect up to three devices simultaneously (one via 2.4G, two via Bluetooth).

2.4G Wireless Connection:

1. Locate the USB 2.4G receiver, typically stored in the mouse's battery compartment.
2. Plug the USB receiver into an available USB port on your computer.
3. Turn on the keyboard using the power switch located on the side or back.
4. Press **Fn + 4** to switch the keyboard to 2.4G mode. The indicator light will flash briefly, then remain solid when connected.

Bluetooth Connection (BT1 / BT2):

1. Turn on the keyboard using the power switch.
2. Press **Fn + Q** (for BT1) or **Fn + W** (for BT2) to select a Bluetooth channel. The indicator light will flash slowly.
3. To enter pairing mode, press and hold **Fn + Q** or **Fn + W** for 3-5 seconds until the indicator light flashes rapidly.
4. On your device (computer, laptop, tablet), enable Bluetooth and search for "ProtoArc KM310".
5. Select "ProtoArc KM310" to pair. The indicator light will stop flashing and remain solid when connected.
6. Repeat for a second Bluetooth device using **Fn + W**.

Mouse Setup

The mouse also supports both 2.4G wireless and Bluetooth connectivity.

2.4G Wireless Connection:

1. Ensure the USB 2.4G receiver is plugged into your computer.
2. Turn on the mouse using the power switch on its underside.
3. Press the mode switch button on the underside of the mouse until the indicator light shows 2.4G mode (usually green). The mouse should connect automatically.

Bluetooth Connection:

1. Turn on the mouse using the power switch.
2. Press the mode switch button on the underside of the mouse to cycle through Bluetooth modes (BT1 or BT2, usually blue).
3. Press and hold the mode switch button for 3-5 seconds until the indicator light flashes rapidly.
4. On your device, enable Bluetooth and search for "ProtoArc Mouse".
5. Select "ProtoArc Mouse" to pair. The indicator light will stop flashing and remain solid when connected.

Multi-Device Workflow

Switch up to 3 devices



Image: The ProtoArc KM310 keyboard and mouse connected to multiple devices (desktop, laptop, tablet) via 2.4G and Bluetooth.

OPERATING INSTRUCTIONS

Keyboard Functions

- **Mechanical Keys:** The keyboard features low-profile mechanical red switches for a smooth and responsive typing experience with low sound.
- **UK QWERTY Layout:** Standard UK QWERTY layout with a full numeric keypad.
- **Multimedia Keys:** Use the **Fn** key in combination with the F-keys (F1-F12) for various multimedia and shortcut functions (e.g., volume control, media playback, brightness adjustment). Refer to the keycap legends for specific functions.

- **Adjustable Tilt Legs:** The keyboard includes adjustable tilt legs on the underside, allowing you to set it at a 6° or 9° angle for improved ergonomic comfort during long typing sessions.



Image: A close-up view of the ProtoArc KM310 mechanical keyboard, highlighting the low-profile red switches and keycap design.

Adjustable Tilt Legs

Keeps your wrists comfortable



Image: The ProtoArc KM310 keyboard from a side angle, demonstrating the adjustable tilt legs set at a 9-degree angle.

Mouse Functions

- **Adjustable DPI:** The mouse offers three adjustable DPI levels: 1000, 1600, and 2400. Press the DPI button (usually located behind the scroll wheel) to cycle through these settings and adjust cursor sensitivity.
- **Silent Click:** Designed for quiet operation, reducing click noise by up to 90%.
- **Ergonomic Design:** The mouse features an ergonomic grip for comfortable use, reducing hand fatigue during extended periods.
- **Ultra-Lightweight:** Weighing approximately 63g, the mouse is designed to be ultra-light, contributing to efficient work and reduced fatigue.

90% Whispered Quiet



3 Adjustable DPI



Silent Click



Image: The ProtoArc wireless mouse illustrating its adjustable DPI settings (1000, 1600, 2400) and quiet click feature.

Ergonomic Grip, More Natural



Image: A hand demonstrating the natural and ergonomic grip of the ProtoArc wireless mouse.

63G Ultra-Lightweight Design

Work efficiently and relieve fatigue

Traditional Weight $\approx 100\text{g}$



Ultra-light Weight $\approx 63\text{g}$



Image: A comparison showing the ProtoArc wireless mouse's ultra-lightweight design (63g) compared to a traditional mouse (100g), emphasizing reduced fatigue.

CHARGING INSTRUCTIONS

Both the keyboard and mouse are equipped with built-in rechargeable batteries and use a USB-C charging port.

- **Charging:** Connect the provided USB-C cable to the charging port on the keyboard/mouse and the other end to a USB power source (e.g., computer USB port, wall adapter).
- **Charging Indicator:** An indicator light will typically show red during charging and turn off or change color when fully charged.

- **Charging Time:** A full charge usually takes 2-3 hours.
- **Standby Time:** The devices offer a standby time of 150-200 days on a full charge.
- **Usage During Charging:** Both devices can be used while charging.

Type-C Rechargeable



150-200 Days
Standby Time



2-3 Hours
Full Charged



Image: The ProtoArc keyboard and mouse being charged simultaneously via USB-C cables, illustrating the charging ports and cables.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the surfaces of the keyboard and mouse. For deeper cleaning, especially between keys, use compressed air. Avoid using harsh chemicals or abrasive materials.

- **Storage:** When not in use for extended periods, turn off the devices to conserve battery life. Store them in a cool, dry place.
- **Battery Care:** Avoid fully discharging the battery frequently. Charge the devices regularly to maintain optimal battery health.

TROUBLESHOOTING

Keyboard/Mouse Not Responding:

- Ensure the devices are turned on.
- Check battery levels and charge if necessary.
- For 2.4G connection, ensure the USB receiver is securely plugged into a working USB port. Try a different USB port.
- For Bluetooth connection, ensure Bluetooth is enabled on your device and the correct channel (BT1/BT2) is selected on the keyboard/mouse. Try re-pairing the device.
- Move the devices closer to the receiver/device to rule out interference.

Lag or Disconnections:

- Ensure there are no strong sources of interference (e.g., Wi-Fi routers, other wireless devices) nearby.
- Try connecting via the other mode (e.g., if using 2.4G, try Bluetooth, or vice-versa).
- Update your computer's Bluetooth drivers if connecting via Bluetooth.

Keys Not Working Correctly:

- Check for any debris under the keycaps.
- Ensure the keyboard is not in a special mode that might alter key functions.

SPECIFICATIONS

Brand	ProtoArc
Model Number	KM310
Color	Black
Connectivity Technology	Bluetooth, 2.4G USB Wireless
Operating System Compatibility	Windows, macOS, Linux
Special Features (Keyboard)	Rechargeable mechanical keyboard, UK QWERTY layout, Red switches, Numeric keypad, Shortcut and multimedia keys, Adjustable tilt legs
Special Features (Mouse)	Adjustable DPI (1000/1600/2400), Silent click, Ergonomic grip, Ultra-lightweight (approx. 63g)
Compatible Devices	Personal Computer, Laptop, Tablet
Keyboard Description	Mechanical

Motion Detection Technology	Optical
Power Source	Battery Powered (Rechargeable via USB-C)
Battery Standby Time	150-200 Days
Full Charge Time	2-3 Hours

WARRANTY AND SUPPORT

ProtoArc products are designed for reliability and performance. For any questions, technical support, or warranty claims, please contact ProtoArc customer service. Details can typically be found on the official ProtoArc website or through your purchase platform.

Please retain your proof of purchase for warranty purposes.