

ProtoArc KM90-A

ProtoArc KM90-A Backlit Compact Bluetooth Keyboard and Mouse for Mac

Model: KM90-A | Brand: ProtoArc

INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, and maintenance of your ProtoArc KM90-A Backlit Compact Bluetooth Keyboard and Mouse. Designed specifically for Mac devices, this combo offers multi-device connectivity and an enhanced typing experience. Please read this manual thoroughly before using the product to ensure optimal performance and longevity.

IMPORTANT SAFETY INFORMATION

- Keep the device away from water, fire, and high temperatures.
- Do not attempt to disassemble or modify the device.
- Use only the provided charging cable or a certified equivalent.
- Avoid dropping or subjecting the device to strong impacts.
- Keep out of reach of children.

PACKAGE CONTENTS

- ProtoArc KM90-A Backlit Compact Bluetooth Keyboard
- ProtoArc Wireless Bluetooth Mouse
- USB-C Charging Cable
- Silicone Keyboard Cover
- User Manual

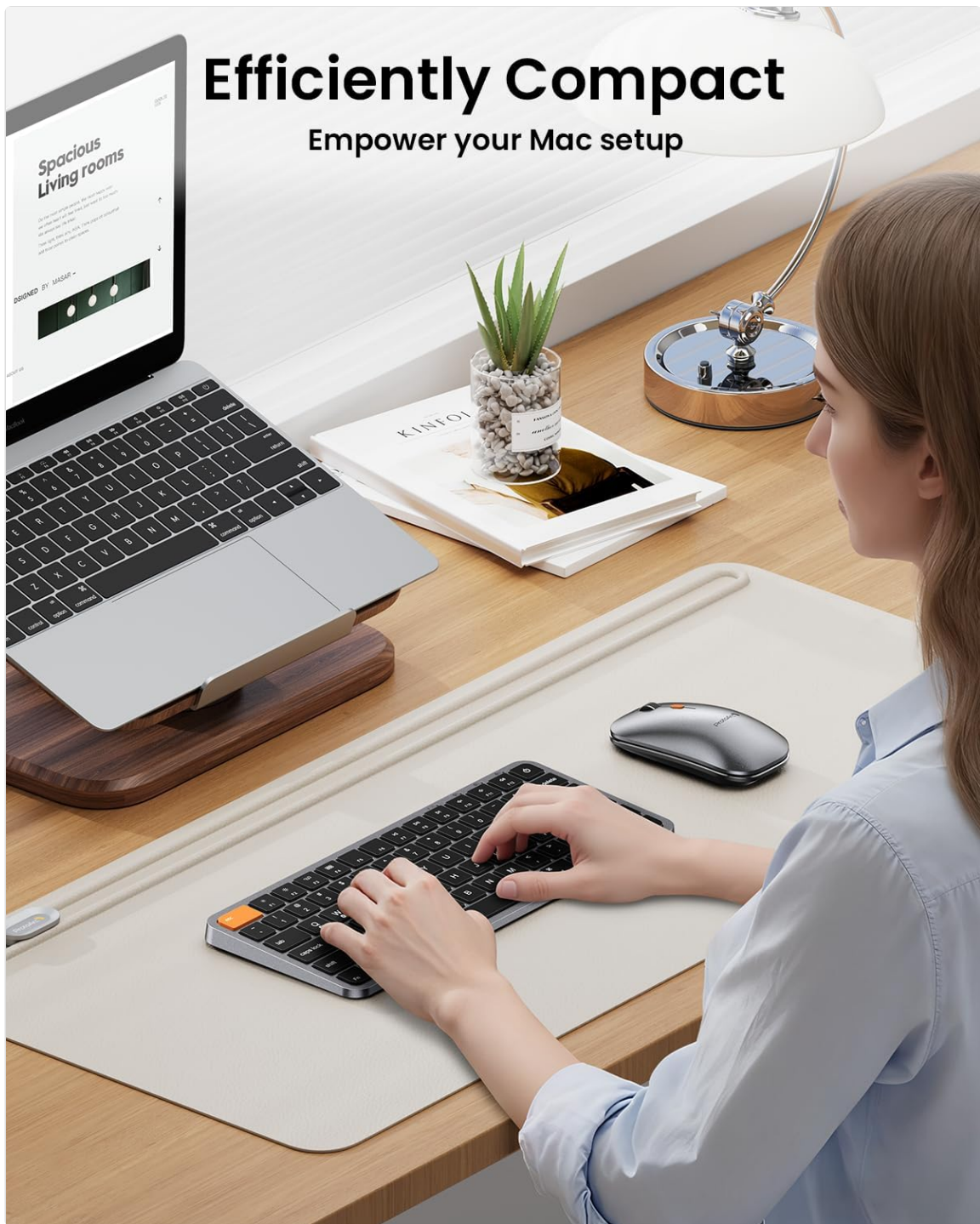


Figure 1: The ProtoArc KM90-A keyboard and mouse combo as packaged, showing the compact design.

PRODUCT OVERVIEW

Keyboard Layout



Figure 2: ProtoArc KM90-A Keyboard Layout. This image illustrates the compact layout, multimedia keys (F1-F12), and multi-device switching buttons (Q, W, E).

- **Fn + Q/W/E:** Switch between Bluetooth devices 1, 2, and 3.
- **F1-F12:** Multimedia and function keys (e.g., brightness, volume, media control).
- **Backlight Button:** Adjust backlight brightness levels.
- **On/Off Switch:** Located on the side of the keyboard.
- **USB-C Charging Port:** Located on the side for charging.

Mouse Features



Figure 3: ProtoArc Wireless Mouse Features. This diagram highlights the DPI button, scroll wheel, left/right buttons, power switch, and Bluetooth channel switch on the mouse.

- **DPI Button:** Adjusts mouse sensitivity (1000/1600/2400 DPI).
- **Channel Switch Button:** Located on the bottom to switch between 3 Bluetooth devices.
- **Power Switch:** On/Off switch on the bottom.
- **Type-C Charging Port:** Located on the front for charging.

SETUP GUIDE

1. Charging the Devices

Before first use, ensure both the keyboard and mouse are fully charged. Use the provided USB-C cable to connect the devices to a power source (e.g., computer USB port, USB wall adapter).

- Keyboard: Built-in 1200mAh rechargeable battery.
- Mouse: Built-in 500mAh rechargeable battery.
- Charging Time: Approximately 3-4 hours for a full charge.
- Note: The provided cable is for charging only and does not support wired data transmission.



Figure 4: Charging the keyboard and mouse. Both devices feature USB-C charging ports for convenient power replenishment.

2. Bluetooth Pairing

The ProtoArc KM90-A supports connection to up to three Bluetooth-enabled Mac devices.

1. Turn On Devices:

- Flip the power switch on the side of the keyboard to "ON".
- Flip the power switch on the bottom of the mouse to "ON".

2. Enter Pairing Mode:

- **For Keyboard:** Press and hold the **Fn** key and one of the Bluetooth channel keys (**Q**, **W**, or **E**) for 3-5 seconds until the corresponding indicator light blinks rapidly.
- **For Mouse:** Press the "Channel Switch Button" on the bottom of the mouse to select a channel (1, 2, or 3). Then, press and hold the same channel button for 3-5 seconds until the indicator light blinks rapidly.

3. Connect on Mac Device:

- On your Mac, MacBook, iPad, or iPhone, go to **System Settings** (or **Settings** on iOS/iPadOS) > **Bluetooth**.
- Ensure Bluetooth is enabled.
- Look for "ProtoArc KM90-A" (for keyboard) and "ProtoArc Mouse" (for mouse) in the list of nearby devices.
- Click or tap "Connect" next to each device. The indicator light will stop blinking and remain solid once connected.

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Video 1: ProtoArc KM90-A Keyboard and Mouse Setup. This video demonstrates the quick and easy Bluetooth pairing process for both the keyboard and mouse with a Mac device.

Repeat the pairing process for other devices using different Bluetooth channels (Q/W/E for keyboard, 1/2/3 for mouse).

Compatibility Notes:

- Compatible with MacBook Pro, MacBook Air, iPad, iPhone, Mac, Mac Mini.
- Requires macOS versions 10.12 or above. Devices manufactured before 2013 may not be supported.
- Not compatible with Linux, Windows, or Windows installed on Mac hardware.

OPERATING INSTRUCTIONS

1. Keyboard Operation

- **Backlighting:** Press the backlight key (usually F1 or a dedicated key with a light icon) to cycle through three soft white LED brightness levels. This helps reduce eye strain in various lighting conditions.
- **Multimedia Keys:** Use the F1-F12 keys for quick access to functions like screen brightness, Mission Control, Launchpad, media playback, and volume control.
- **Multi-Device Switching:** To switch between connected devices, simply press **Fn** + **Q** (Device 1), **Fn** + **W** (Device 2), or **Fn** + **E** (Device 3). The switch is seamless and instant.
- **Sleep Mode:** The keyboard enters sleep mode after 60 minutes of inactivity to conserve energy. Press any key to wake it up. Backlighting may require manual reactivation.

Illuminate Your Workspace

3 adjustable soft brightness levels



Figure 5: Adjustable Backlighting. The keyboard offers three levels of soft white backlighting for comfortable use in any environment.

USB-C Rechargeable



150-200 Days
Standby time



3-4Hours
Full Charged



60 Minutes
Auto sleep

Figure 6: Multi-Device Connectivity. The keyboard and mouse can seamlessly switch between a MacBook, iPad, and iPhone.

2. Mouse Operation

- **DPI Adjustment:** Press the DPI button (located near the scroll wheel) to cycle through 1000, 1600, and 2400 DPI settings. This allows you to customize cursor sensitivity for precise control.
- **Multi-Device Switching:** Use the "Channel Switch Button" on the bottom of the mouse to select the desired Bluetooth channel (1, 2, or 3) corresponding to your paired device.
- **Silent Clicks:** The mouse features silent click buttons for a quiet working environment.

Find Your Perfect Size



Figure 7: Mouse DPI Adjustment. The mouse offers three adjustable DPI levels (1000/1600/2400) for customized sensitivity.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the keyboard and mouse. For the keyboard, the included silicone cover can be removed and cleaned with mild soap and water. Ensure devices are powered off before cleaning.
- **Storage:** Store the devices in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** To prolong battery life, avoid fully discharging the devices frequently. Charge them regularly, especially if not used for extended periods.

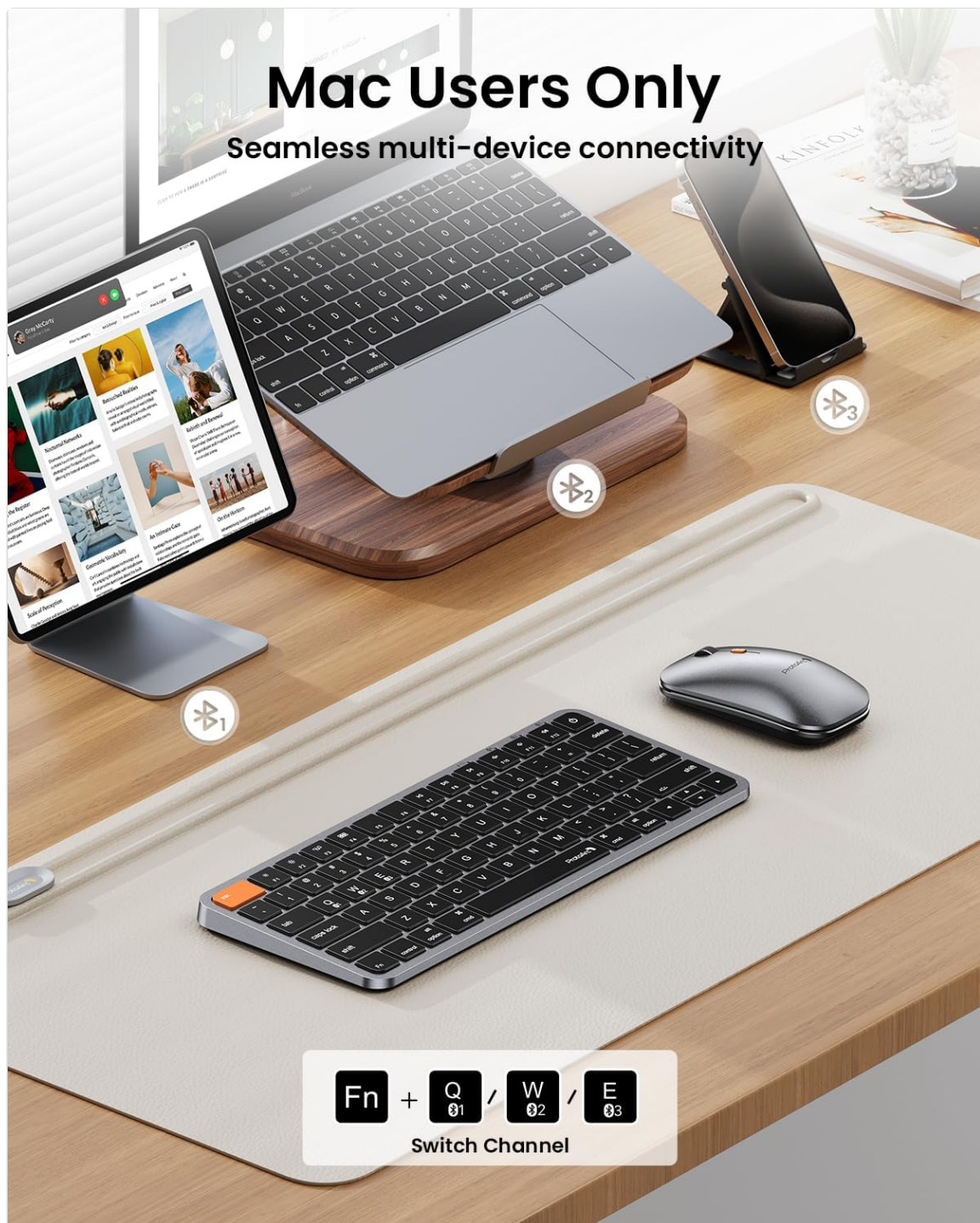


Figure 8: Applying the silicone keyboard cover. The cover helps protect the keyboard from dust, spills, and wear.

TROUBLESHOOTING

Problem	Solution
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Problem	Solution
Device not connecting via Bluetooth.	<ul style="list-style-type: none"> • Ensure devices are fully charged and powered on. • Verify devices are in pairing mode (indicator light blinking). • Check Bluetooth settings on your Mac device; ensure Bluetooth is enabled. • Forget the device in Bluetooth settings and attempt to re-pair. • Ensure your Mac device meets the minimum macOS 10.12 requirement.
Keyboard backlight not working.	<ul style="list-style-type: none"> • Ensure the keyboard is sufficiently charged. • Press the backlight key (F1 or dedicated icon) to activate or adjust brightness. • If the keyboard was in sleep mode, it might need manual backlight reactivation.
Mouse cursor movement is erratic or slow.	<ul style="list-style-type: none"> • Check battery level of the mouse. • Adjust DPI settings using the DPI button on the mouse. • Ensure the mouse is used on a suitable surface (not overly reflective or uneven).
Cannot switch between multiple devices.	<ul style="list-style-type: none"> • Ensure all devices are correctly paired to different Bluetooth channels (Q/W/E for keyboard, 1/2/3 for mouse). • Press the correct Fn + channel key combination for the keyboard or the channel switch button for the mouse.

SPECIFICATIONS

Feature	Detail
Model Number	KM90-A
Connectivity	Bluetooth
Compatible Devices	MacBook, MacBook Pro, MacBook Air, iPad, iPad Air, iPad Mini, iPad Pro, iPhone, Mac, Mac Mini (macOS 10.12 and above)
Keyboard Battery	1200mAh Rechargeable
Mouse Battery	500mAh Rechargeable
Mouse DPI Levels	1000/1600/2400

Feature	Detail
Special Features	Backlit Keyboard, Hotkeys and Media Keys, Compact Layout, Multi-Device Connectivity (3 channels), Quiet Keys/Clicks
Dimensions (Keyboard)	28.6cm x 12.1cm x 1.4cm (11.2in x 4.7in x 0.5in)
Dimensions (Mouse)	10.7cm x 5.8cm x 3.1cm (4.2in x 2.2in x 1.2in)
Item Weight	1.72 pounds (combined)



Figure 9: ProtoArc KM90-A Keyboard and Mouse Dimensions. This image provides a visual representation of the compact size and measurements of both devices.

WARRANTY AND SUPPORT

ProtoArc products are designed for durability and performance. For specific warranty details and support inquiries, please refer to the official ProtoArc website or contact customer service.

Online Support: Visit www.protoarc.com for FAQs, driver downloads, and contact information.

Protection Plans: Extended protection plans may be available for purchase separately. Please check with your retailer for options.