ProtoArc

EN

KM310

Mechanical Keyboard and Mouse Combo

User Manual

www.protoarc.com

US
support@protoarc.com
Mon-Fri: 9am-5pm
Mon-Sun: 9am-4PM (Pacific Time)
1 Week Fast Delivery Hotline

UK
support-uk@protoarc.com

Packing List

Product Features

2.4G Connection

Keyboard Bluetooth Connection

Mouse Bluetooth Connection

Mode Switch Method

Charging Guide

1. When the battery is low, the low battery indicator light on the keyboard or mouse will rapidly flash to indicate low power.

2. Insert the Type-C port into the mouse or keyboard and the USB A port into the computer to charge, the red light stays on while charging.

3. The indicator light turns to green when fully charged.

Notice:
If the mouse or keyboard is low battery, there will be delays, freezes and other problems. Please connect to the power supply for charging. Please charge the battery for more than 2 hours if keyboard has sufficient battery power to get normal performance.

Multimedia Function Keys

Keys	Windows OS	Android OS	iPad OS	Mac OS
	Light ↑	Light ↑	Light ↑	Light ↑
	Light ↓	Light ↓	Light ↓	Light ↓
	Window Switch	Window Switch		Multi-window Switch
	Multi-window Switch	Multi-window Switch	Search Search	Search Search
	Display Desktop	Go Home	Go Home	Display Desktop
	Search	Search	Search	Search
	Previous Track	Previous Track	Previous Track	Play / Pause
	Play / Pause	Play / Pause	Play / Pause	Play / Pause
	Next Track	Next Track	Next Track	Next Track
	Mute	Mute	Mute	Mute
	Volume ↑	Volume ↑	Volume ↑	Volume ↑
	Volume ↓	Volume ↓	Volume ↓	Volume ↓

Note: The FN function is a cycle mode (F1-F12 and multimedia functions are cyclically used).

How to Use Special Characters in British English

On MacOS/PadOS/IOS system:

Press the key and you can type the symbol shown in the right square frame.

Press and hold the key ⇧ then press the corresponding key, you can type the symbol shown in the right square frame.

On Android/Windows:

Press the key and you can type the symbol shown in the right square frame.

Press and hold the key Ctrl then press the corresponding key, you can type the symbol shown in the right square frame.

Press and hold the key ⇧ then press the corresponding key, you can type the symbol shown in the right square frame.

Press and hold the key ⇧ then press on the right side of the keyboard, then press the corresponding key, you can type the symbol " | " and " ¦ ".

Product Parameters

Keyboard Parameters

Battery Capacity	500 mAh
Working Current	≤ 3.5 mA
Sleep Current	8 uA
Charging Current	180 mA (±20mA)
Working Current	≤ 3.5 mA
Input	5V=1000mA
Standby Time	≥ 180 Days
Charging Time	≤ 3 Hours
Battery Life	2 Years Very Key
Keyboard Weight	474 g
Keyboard Dimension	436x117x24 mm

Mouse Parameters

Engine	Optics
DPI	800/1200/1600 DPI
Mouse Button Life	More than 3 million times
Input	5V=100mA
Battery Capacity	200mAh
Battery Life	1000 times charge and discharge cycles
Mouse Weight	74 g
Continuous Working Time	60 hours
Mouse Weight	75 g
Mouse Dimensions	115.5*67.05 mm

2.4G Transmission Parameters

Transmission Distance	10m
Working Voltage	3.7V
Working Current	20mA
Falling Rate	≤10%
System Requirements	Windows: USB port Android: 4.0 or higher version IOS: Windows 10 or higher version

Bluetooth Transmission Parameters

Transmission Distance	10m
Working Voltage	3.7V
Working Current	≤5mA
Falling Rate	≤10%
System Requirements	Windows: Bluetooth receiving device Windows 8, Windows 10 or higher version Android: 4.1 IOS: or higher version

Tips

1. If the Bluetooth connection is not working properly, turn off and turn on the Bluetooth function of the device, then re-pair and reconnect (or delete the extra Bluetooth option name in the Bluetooth connection list of the device and reconnect.

2. To switch to a successfully connected channel press the channel button and wait for 3 seconds before continuing to use.

3. The keyboard has a sleeping function. When it is connected via Bluetooth, if it is left idle for 30 minutes, the keyboard will automatically connect to the default channel and the channel indicator is on.

4. For UK users, Why is the keyboard English US (QWERTY) layout instead of UK?
Before using the keyboard, please set the keyboard language to English (UK) first.
Windows: Settings (or example) Settings > General management > Samsung keyboard settings > Languages and types > Manage input methods > English (UK) > Save
OSPRO mobile phones (for example): Setting > More setting > Language and input > Keyboard > Gboard > English - UK keyboard layout > Choose English (UK)

Sleep Mode

1. When the keyboard and mouse is not used for more than 30 minutes, it will automatically enter into sleep mode and the indicator light will turn off.

2. When using the keyboard and mouse again, just press any key, the keyboard will wake up in 1-2 seconds, and the lights come back on and keyboard starts working.

Frequently Asked Questions

How to deal with disconnection issues, keys repeating or typing if sticking delay?

- Please ensure that the keyboard/mouse is fully charged. A low battery can cause connection issues and performance issues.
- If using a USB dongle to connect the keyboard/mouse to the device, please ensure the dongle is plugged into a stable USB port and avoid interference.
- If connecting the keyboard/mouse to the device via Bluetooth, delete the Bluetooth name from your device's Bluetooth connection list, and restart your device and re-pair the keyboard/mouse by following the pairing instructions.
- If the issue persists, try to connect the keyboard/mouse to other devices to check if the same issues occur and don't hesitate to contact our customer service for assistance.

How to deal with keyboard/mouse won't turn on or stops working?

- The need charging voltage for the keyboard and mouse is 5V. It is recommended to use the computer's USB port for charging.
- If the keyboard/mouse still fails to turn on, please connect it to a case-free or a flat with the keyboard and mouse.
- If the power indicator of the keyboard/mouse does not light up at all, please do not hesitate to contact our customer service for assistance.

How do I confirm that the keyboard is at low battery?

- When the battery is low, the low battery indicator light ⑴ on the keyboard will rapidly flash.

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 well-ventilated, dry area away from inflammable materials.
- Battery Handling: Do not attempt to replace the battery. Lithium-ion batteries pose risks if improperly handled. Battery replacement should be conducted by qualified personnel to prevent hazards.
- Heat Exposure: Avoid leaving the item in high-temperature environments or direct sunlight, which could result in a fire hazard.
- Liquid Exposure: Keep the item away from water and liquids. Do not use it wet until thoroughly dried.
- Storage and Leakage: Cease usage and consult customer service if the battery shows signs of leakage or damage.
- Comply Disposal: Follow local regulations for disposing of electronic devices and batteries. Do not dispose of with household waste.
- Radio Frequency Interference: This device may cause interference with other electronics. Keep a safe distance from sensitive devices.
- Child Safety: Keep the item and its components out of reach of children to avoid choking or battery ingestion hazards. Never allow children to handle the item unsupervised.

CAUTION: Non-compliance with the above warnings can lead to serious injuries or fatalities.

For further assistance or information, please contact our customer service:
Emergency Contact: +1 866-261-6168 (United States)

EU Declaration of Conformity

Product Name:	Wireless Keyboard and Mouse Combo
Model:	KM310
Power:	5V= 100mA
Power:	5V=1000mA
Place of Production:	Made in China
Manufacturer:	Dongguan Tagram Electronic Technology Co., Ltd
Address:	Dongguan, Guangdong, China
Address:	No.18, Qiaoxin Middle Road, Hongmei Town, Dongguan City, Guangdong Province, China, 523290
Compliance Documentation:	Low Voltage Directive 2014/35/EU EN 62368-1:2014+A11:2017 Electromagnetic Compatibility Directive 2014/30/EU EN 55032:2015+A11:2020 EN 55035:2017+A11:2020 EN 61000-3-2:2019+A1:2021 EN 61000-3-3:2013+A1:2019 Radio Equipment Directive 2014/53/EU EN 300 328 V2.2.2 (2019-07) EN 301 489-1 V2.2.3 (2019-11) EN 301 489-17 V3.2.4 (2020-09) EN 62479:2010 Restriction of Hazardous Substances Directive 2011/65/EU, Amending Directive (EU) 2015/863 EN 50581:2012 Waste Electrical and Electronic Equipment Directive 2012/19/EU Regulation (EC) No 1907/2006 (REACH)

If in use with responsibility to ensure that the above products are in full compliance with Directive 2014/53/EU, 2011/65/EU (as amended)

Position:	Managing Director
Signature:	
Date of Sign:	2024-10-10
Place of Issue:	Shenzhen