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› Ant Esports MK4400 Pro Wireless Mechanical Gaming Keyboard User Manual

## Ant Esports MK4400 Pro

# Ant Esports MK4400 Pro Wireless Mechanical Gaming Keyboard User Manual

Model: MK4400 Pro (Red Switch)

## INTRODUCTION

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The Ant Esports MK4400 Pro is a versatile mechanical gaming keyboard designed for performance and flexibility. It features Tri-Mode connectivity (Bluetooth, 2.4GHz wireless, and USB-C wired), per-key RGB lighting, and durable ANT Red mechanical switches. This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your keyboard to ensure optimal performance across various devices and operating systems.

## WHAT'S IN THE BOX

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Please check the package contents upon unboxing to ensure all items are present:

- Ant Esports MK4400 Pro Mechanical Gaming Keyboard
- USB-A to Type-C Cable
- USB Dongle (for 2.4GHz wireless connectivity)
- User Manual



Image: The Ant Esports MK4400 Pro keyboard shown alongside its retail packaging, illustrating the product and its included accessories.

## PRODUCT OVERVIEW

The MK4400 Pro features a full-size 104-key layout with additional multimedia keys, designed for both gaming and productivity. It incorporates ANT Red mechanical switches for a smooth and responsive typing experience.

**ANT ESPORTS**  
**MK4400 PRO**  
WIRELESS MECHANICAL PER KEY RGB GAMING KEYBOARD

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**WARRANTY**

Ant Esports MK4400 Pro Wireless Mechanical Per Key RGB Gaming Keyboard Comes With 1 Year Warranty.


**Warranty Card**

Customer Name : \_\_\_\_\_

Product Name : \_\_\_\_\_ Model No. : \_\_\_\_\_

Address : \_\_\_\_\_ Date of Purchase : \_\_\_\_\_

Dealer Name : \_\_\_\_\_ Phone No. : \_\_\_\_\_



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**ANT ESPORTS**  
**MK4400 PRO**  
WIRELESS MECHANICAL PER KEY RGB GAMING KEYBOARD

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**USER MANUAL & WARRANTY CARD**








**PRODUCT OVERVIEW**

The Ant Esports MK4400 Pro Wireless Mechanical RGB Gaming Keyboard boasts a sleek black design and vibrant per-key RGB lighting to elevate your gaming experience. Built for durability, it offers a range of LED modes for a fresh and personalized touch. With full compatibility across Windows 11, Mac, Linux, and Android, this keyboard ensures versatile and seamless connectivity for all your devices.



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**SPECIFICATIONS**

<b>Keyboard Type</b>	: Mechanical Keyboard
<b>Connectivity</b>	: Tri-Mode (Wired/BT/2.4G)
<b>Keys</b>	: 104 + 4 Multimedia Keys
<b>Keys Light Color</b>	: Per Key RGB (With Software)
<b>Color</b>	: Black
<b>Lighting</b>	: Multicolor Backlit Lighting
<b>Switches</b>	: ANT Red / ANT Brown
<b>Anti-Ghosting</b>	: Full Anti-Ghosting
<b>Battery</b>	: 1000 mAh
<b>Working Voltage</b>	: 5V
<b>Working Current</b>	: <180 mA
<b>Lifespan</b>	: 20 Million Clicks
<b>Dimensions</b>	: 462 x 130 x 35 mm ±5
<b>Product Weight</b>	: 650 ± 20g

**KEYBOARD FUNCTIONS**

COMBINATION	KEY FUNCTIONS
FN + F1	: Music
FN + F2	: Volume -
FN + F3	: Volume +
FN + F4	: Mute
FN + F5	: Stop
FN + F6	: Previous Track
FN + F7	: Play / Pause
FN + F8	: Next Track
FN + F9	: Email
FN + F10	: Web/Home
FN + F11	: Counter
FN + F12	: Search
FN + Tab	: System Switching (Window System)
FN + Caps	: System Switching (Mac System)
FN + APP	: Side Lamp Switch (Side lights according to customer demand)
FN + Shift L	: Press the button on the light mode setting method <small>(Press FN + APP, L to enter the custom recording state. Press the same button continuously to the specified color, and then continue to set other ones. After completing the setting, then press FN + Shift L for storage. In the custom state, the SHIFT_L button light presents a white indicator light after recording, the corresponding key lights stop flashing.)</small>
FN + Z	: Bluetooth Channel 1
FN + X	: Bluetooth Channel 2
FN + C	: Bluetooth Channel 3
FN + V	: 2.4G Linkage
FN + B	: Cable Connection
FN + !	: Brightness +
FN + @	: Brightness -
FN + #	: Speed
FN + \$	: Speed End
FN + %	: Light Effect Switch (15 kinds of lamp efficiency cycle regulation)
FN + &	: Backlights OFF / ON
FN + *	: Lock WIN (Lock the WIN key while the APP key is also lock)
FN + ESC	: Reset (The keyboard restores the default state)
FN + PRSTC	: Backlights OFF / ON

**FUNCTION INTRODUCTION:**

- 104 word key sorting, default US text, support all no conflict
- Keyboard runs with WinXP, Vista, Win7, Win8, Win10, win11, Android, linux, Mac OS.
- Press FN + INS

Items	name	Adjustable content				description
		font	color	size	effect	
1	static state	✓	?	✓	?	The overall backlight is always bright for disable
	an array of stars	✓	✓	✓	?	Follow the customer's Bluetooth name
	light spectrum waterfall	✓	✓	✓	?	Backlit overall rainbow color cycle changes. The light is in a waterfall state, flowing up and down.
2	fontain	✓	✓	✓	?	The lights show the shape of a fountain, flowing from the center to around
	all sorts of flowers	✓	✓	?	?	Each key light: free animation
	revolve	✓	✓	✓	?	The light is rotated at the center of the keyboard
	sea wave	✓	✓	?	?	The lights show that the waves hit the shores, and then they return again.
	spread	✓	✓	✓	?	After triggering the button, spread in the center of the button
3	night-point	✓	✓	✓	?	Press the key to light up, release the button and slowly extinguish it
	plane blossom	✓	✓	✓	?	After triggering the button, take the button as the center to display the plane blossom
	starlight	✓	✓	✓	?	The lights are starlight, randomly on / not
	head	✓	✓	✓	?	The lights fluctuate up and down
4	drifting cloud	✓	✓	✓	?	The light is a cloud
	breath	✓	✓	✓	?	Backlit overall respiration is shown
5	Light custom	?	?	?	?	Users can customize each key color through the host computer software or FN + SHIFT_L

FN + Brightness adjustment, all indicators flashing 3 times when set to the limit gear.  
 FN + Brightness reduction, all indicator lights flicker 3 times when set to limit gear.  
 FN + Lamp effect speed up, all indicator lights flicker 3 times when adjusted to the limit gear.  
 FN + Lamp effect speed slows down, all indicator lights flicker 3 times when adjusted to the limit gear.  
 FN + ESC usually presses 5 seconds to restore the factory by default backlight


**THE FUNCTION OF THE KNOB VERSION IS INTRODUCED AS FOLLOWS:**  
**KNOB BUTTON:** The default state is the light effect and backlight brightness adjustment, the key press for 5 seconds to switch the wheel volume addition and mute function.

**VOLUME MODE:** Short press mute, roller to the right for Volume +, Left Volume -

**LIGHT MODE:** Short press the light switch, the right side of the wheel is the light brightness +, the left side is the light brightness -. In the limit case of CAPS NUM scr, these three lights are flashing prompt

**THE 3 INDICATOR LIGHT VERSION FUNCTIONS ARE AS FOLLOWS:**

Three indicators are respectively Num Caps SCRL



**WIRELESS MODE PAIRING AND PAIRING:**  
 Bluetooth 1: Fn + Z (in Bluetooth mode, short press switch, long press pairing)  
 Z key light indicator: the light flashes quickly when waiting for pairing, and the lights flash slowly when the connection is back. After successful connection, the Z key light is often on for 2 seconds, restoring the overall backlight effect.  
 For 1 minute, the whole keyboard entered hibernation, the 20S failed, and the whole keyboard entered hibernation.

**BLUETOOTH 2:**  
**FN + X (IN BLUETOOTH MODE, SHORT PRESS SWITCH, LONG PRESS PAIRING)**  
 X key light indication: the light flash quickly when waiting for pairing, and the lights flash slowly when returning to connect. After the Z key light is successfully connected for 2 seconds, the connection will be restored to the overall backlight effect.

**BLUETOOTH 3:**  
**FN + C (IN BLUETOOTH MODE, SHORT PRESS SWITCH, LONG PRESS PAIRING)**  
 C key light indication: the lights flash quickly when waiting for pairing, and the lights flash slowly when returning to connect. After the Z key light is successfully connected for 2 seconds, the overall backlight effect is restored.

**2.4G:**  
**FN + V (LONG IN 2.4G MODE)**  
 V key light indicates, flash on code, slow flash on connecting, the V key light returns to the overall backlight effect for 1 minute, and 20S.  
 Wired mode: FN + B (enter the wired mode)  
 B key indicator light to flash into wired mode

**CHARGING, LOW POWER INDICATION AND HIBERNATION:**  
 The battery voltage is low, the Ctrl\_ key red indicator on the left side of the keyboard flashes, the left Ctrl\_ key green indicator is always on when charging, and the left Ctrl key indicator resumes normal backlight when fully charged.

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**IN THE BOX**

1 Keyboard, 1 USB To Type C Cable, 1 User Manual, 1 USB Dongle

Image: A top-down view of the Ant Esports MK4400 Pro keyboard, highlighting its full 104-key layout plus 4 dedicated multimedia keys and vibrant RGB backlighting.

## Key Features:

- **Tri-Mode Connectivity:** Supports Wired (USB-C), 2.4GHz Wireless, and Bluetooth (up to 3 devices).
- **ANT Red Mechanical Switches:** Linear switches with a 20 million click lifespan for smooth and fast keystrokes.
- **Per-Key RGB Lighting:** Customizable backlighting with multiple effects.
- **Full Anti-Ghosting:** Ensures all keystrokes are registered accurately during intense gaming.
- **1000mAh Rechargeable Battery:** Provides extended wireless usage.
- **Wide OS Compatibility:** Compatible with Windows, Mac, Linux, and Android.

# Responsive Red Ant Switch



**Linear Swappable  
Mechanical Switches**

Image: A close-up view of the Ant Esports MK4400 Pro keyboard, showcasing the responsive ANT Red mechanical switches with their linear action and transparent housing for RGB lighting.

## Indicator Lights:

The keyboard features three indicator lights located above the numeric keypad:

- **Num Lock Indicator:** Illuminates when Num Lock is active.
- **Caps Lock Indicator:** Illuminates when Caps Lock is active.
- **Scroll Lock Indicator:** Illuminates when Scroll Lock is active.

Additional indicators for connectivity and battery status are integrated:

- **Charging Indicator:** Red light illuminates when charging and turns off when fully charged.
- **Low Power Alert:** Red light flashes slowly when the battery is low.
- **2.4G Wireless Indicator:** Green light flashes quickly during pairing and remains solid green upon successful connection.
- **Bluetooth Indicators (BT1, BT2, BT3):** Blue light flashes quickly during pairing and remains solid blue upon successful connection to the respective channel.

## SETUP AND CONNECTIVITY

The Ant Esports MK4400 Pro offers three connectivity modes: Wired, 2.4GHz Wireless, and Bluetooth. You can switch between these modes using the function keys.



Image: The Ant Esports MK4400 Pro keyboard highlighting its three connectivity options: Wired Type-C, Bluetooth, and 2.4G wireless, with corresponding icons.

### 1. Wired Mode (USB-C)

1. Connect the provided USB-A to Type-C cable to the keyboard's Type-C port and your computer's USB-A port.
2. Press **FN + B** to select wired mode. The keyboard will be recognized automatically by your system.

### 2. 2.4GHz Wireless Mode

1. Plug the USB dongle into an available USB port on your computer.
2. Press **FN + V** to activate 2.4GHz wireless mode. The green indicator light will flash quickly.
3. Once connected, the green indicator light will become solid, and the keyboard is ready for use.

### 3. Bluetooth Mode (BT1, BT2, BT3)

The keyboard supports connecting to up to three Bluetooth devices.

1. Press **FN + Z** (for BT1), **FN + X** (for BT2), or **FN + C** (for BT3) to select the desired Bluetooth channel.
2. Hold the selected **FN + Z/X/C** key combination for 3 seconds. The blue indicator light for the selected channel will flash quickly, indicating pairing mode.
3. On your device (PC, laptop, tablet, smartphone), enable Bluetooth and search for new devices. Select "BT Keyboard" from the list of available devices.
4. Once connected, the blue indicator light will become solid, and the keyboard is ready for use.
5. To switch between paired Bluetooth devices, simply press **FN + Z/X/C** for the desired channel.

### System Compatibility

The MK4400 Pro is compatible with a wide range of operating systems:

- Windows (11/10/8/7)
- Mac OS
- Linux
- Android

# Wide Compatibility



Image: The Ant Esports MK4400 Pro keyboard displayed on a desk with a monitor, illustrating its compatibility with Windows, Apple macOS, Linux, and Android operating systems.

## OPERATING INSTRUCTIONS

### Function Key Combinations (FN + Key)

The keyboard features various function key combinations to control multimedia, system functions, and lighting effects:

Key Combination	Function
FN + F1	My Computer
FN + F2	Search
FN + F3	Calculator
FN + F4	Media Player

Key Combination	Function
<b>FN + F5</b>	Previous Track
<b>FN + F6</b>	Next Track
<b>FN + F7</b>	Play/Pause
<b>FN + F8</b>	Stop
<b>FN + F9</b>	Mute
<b>FN + F10</b>	Volume Down
<b>FN + F11</b>	Volume Up
<b>FN + F12</b>	Email
<b>FN + ESC (Hold 3s)</b>	Reset to Factory Defaults
<b>FN + Win</b>	Lock/Unlock Windows Key
<b>FN + Tab</b>	Switch System (Windows/Mac)
<b>FN + INS / HOME / PGUP</b>	Cycle through 19 Backlight Modes
<b>FN + DEL / END / PGDN</b>	Cycle through Backlight Colors
<b>FN + Left Arrow</b>	Decrease Backlight Speed
<b>FN + Right Arrow</b>	Increase Backlight Speed
<b>FN + Up Arrow</b>	Increase Backlight Brightness
<b>FN + Down Arrow</b>	Decrease Backlight Brightness

## RGB Lighting Control

The MK4400 Pro features per-key RGB lighting with various customization options.

# MultiColor Backlit Lighting



*Per Key RGB with Software*



Image: The Ant Esports MK4400 Pro keyboard displaying its vibrant multicolor backlit lighting, with individual keys illuminated in various RGB hues.

- **Change Lighting Mode:** Press **FN + INS**, **FN + HOME**, or **FN + PGUP** to cycle through 19 different backlight effects.
- **Change Lighting Color:** Press **FN + DEL**, **FN + END**, or **FN + PGDN** to change the color of the current lighting effect (if applicable).
- **Adjust Brightness:** Press **FN + Up Arrow** to increase brightness and **FN + Down Arrow** to decrease brightness.
- **Adjust Speed:** Press **FN + Right Arrow** to increase the speed of dynamic effects and **FN + Left Arrow** to decrease speed.

## Volume Knob Function

The dedicated knob on the top right of the keyboard provides quick audio control:

- **Short Press:** Mute or unmute audio.
- **Rotate:** Turn clockwise to increase volume, turn counter-clockwise to decrease volume.

## MAINTENANCE

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Proper maintenance ensures the longevity and optimal performance of your keyboard.

- **Cleaning:** Use a soft, dry cloth to wipe the keyboard surface. For deeper cleaning, use compressed air to remove dust and debris from between the keycaps. Avoid using harsh chemicals or abrasive materials.
- **Keycap Removal:** If necessary, keycaps can be carefully removed using a keycap puller (not included) for thorough cleaning of the switches. Exercise caution to avoid damaging the switches.
- **Storage:** Store the keyboard in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** To prolong battery life, avoid fully discharging the keyboard frequently. Charge the keyboard when the low power alert is indicated.

## TROUBLESHOOTING

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If you encounter issues with your Ant Esports MK4400 Pro keyboard, refer to the following common troubleshooting steps:

- **Keyboard Not Responding:**
  - Ensure the keyboard is charged. Connect the USB-C cable to charge.
  - Verify the correct connectivity mode is selected (Wired, 2.4GHz, or Bluetooth) using **FN + B/V/Z/X/C**.
  - For 2.4GHz, ensure the USB dongle is securely plugged in and the green indicator is solid.
  - For Bluetooth, ensure the keyboard is paired correctly and the blue indicator is solid. Try re-pairing if necessary.
  - Try connecting the keyboard in wired mode to rule out wireless issues.
- **Keys Not Registering / Ghosting:**
  - The keyboard features full anti-ghosting. If specific keys are not registering, ensure no debris is lodged under the keycap.
  - Try resetting the keyboard to factory defaults by holding **FN + ESC** for 3 seconds.
- **RGB Lighting Not Working/Incorrect:**
  - Ensure the keyboard is powered on.
  - Use **FN + INS/HOME/PGUP** to cycle through lighting modes.
  - Use **FN + Up/Down Arrow** to adjust brightness.
  - If issues persist, reset the keyboard to factory defaults.
- **Bluetooth Connection Issues:**
  - Ensure the keyboard is within range of the device.
  - Remove "BT Keyboard" from your device's Bluetooth list and attempt to re-pair.
  - Ensure no other Bluetooth devices are causing interference.

## SPECIFICATIONS

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Detailed technical specifications for the Ant Esports MK4400 Pro keyboard:

Feature	Detail
Brand	Ant Esports
Model Name	MK4400 Pro
Connectivity Technology	2.4GHz Wireless, Bluetooth, USB-C Wired

Feature	Detail
Keyboard Type	Mechanical Gaming Keyboard
Number of Keys	104 + 4 Multimedia Keys
Switch Type	ANT Red Mechanical Switches
Key Lifespan	20 Million Clicks
Anti-Ghosting	Full Anti-Ghosting (100%)
Backlighting	Per-Key RGB with Custom Control
Battery Capacity	1000mAh Rechargeable Battery
Working Voltage	5V
Working Current	100mA
Compatible OS	Windows 11/10/8/7, Mac OS, Linux, Android
Dimensions (L x W x H)	462 x 130 x 35 mm (approx. 47L x 17W x 4H Centimeters)
Product Weight	~650g (approx. 800 Grams with packaging)
Enclosure Material	Acrylonitrile Butadiene Styrene (ABS)

## WARRANTY AND SUPPORT

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The Ant Esports MK4400 Pro Wireless Mechanical Gaming Keyboard comes with a **1 Year Warranty** from the date of purchase.

For warranty claims, technical support, or any product-related inquiries, please contact Ant Esports customer service. You may also visit their official website for more information and support resources.

**Manufacturer Contact Information:** Ant Esports

**Official Website:** <https://bit.ly/3S6slUw>