Cosmic Byte CB-GK-31 Artemis

Cosmic Byte CB-GK-31 Artemis 68Key Per Key RGB Wired Mechanical Keyboard

Model: CB-GK-31 Artemis | Brand: Cosmic Byte

PRODUCT OVERVIEW

The Cosmic Byte CB-GK-31 Artemis is a compact 68-key wired mechanical keyboard designed for enhanced gaming and typing experiences. It features per-key RGB lighting, allowing for extensive customization, and is equipped with durable Outemu Red mechanical switches that are hot-swappable for personalized tactile feedback. This keyboard offers a high polling rate and full anti-ghosting for precise and responsive input, making it suitable for demanding applications and gaming.

Image: The Cosmic Byte CB-GK-31 Artemis mechanical keyboard, showcasing its compact 68-key layout and vibrant RGB

backlighting.

Setup Guide

Follow these steps to set up your Cosmic Byte CB-GK-31 Artemis mechanical keyboard:

1. **Unpack the Keyboard:** Carefully remove the keyboard and its accessories from the packaging. Ensure all components, including the USB cable, are present.

2. **Connect the USB Cable:** The CB-GK-31 Artemis features a detachable USB cable. Connect the USB-C end of the cable to the port on the keyboard and the USB-A end to an available USB port on your computer (PC or Laptop).

3. **System Recognition:** Your operating system (Windows 10, Mac OS X) should automatically detect and install the necessary drivers for the keyboard. This process may take a few moments.

4. **Install Software (Optional but Recommended):** For full customization of RGB lighting and macro settings, download and install the dedicated software from the official Cosmic Byte website. The software is compatible with Windows operating systems.

OPERATING INSTRUCTIONS

The Cosmic Byte CB-GK-31 Artemis keyboard offers various functionalities for an optimized user experience:

RGB Lighting Customization

The keyboard features Spectra Per Key RGB lighting with over 10 LED lighting modes. You can adjust brightness and speed directly on the keyboard or through the software.

- **On-board Controls:** Use the dedicated function keys (Fn + specific keys) to cycle through lighting modes, adjust brightness, and change animation speed. Refer to the keyboard's keycap legends for specific combinations.
- **Software Customization:** The software allows for granular control, enabling you to assign any color from 16.8 million options to individual keys, create custom lighting profiles, and synchronize effects.

Image: A close-up of the Cosmic Byte CB-GK-31 Artemis keyboard demonstrating per-key RGB lighting, indicating 16.8 million color options and software customization.

Swappable Mechanical Switches

The CB-GK-31 Artemis comes with Outemu Red mechanical switches, which are hot-swappable. This allows you to easily change switches without soldering, enabling customization of typing feel and sound. Only Outemu switches are compatible.

1. **Keycap Removal:** Use a keycap puller (not included) to gently remove the desired keycap.

2. **Switch Removal:** Use the included switch puller to carefully grip the top and bottom clips of the switch and pull it straight up.

3. **New Switch Installation:** Align the pins of the new Outemu switch with the holes on the PCB. Gently push the switch down until it clicks into place. Ensure the switch is seated firmly and straight.

4. **Keycap Reinstallation:** Place the keycap back onto the new switch.

Image: A four-step visual guide illustrating the process of removing and installing Outemu swappable mechanical switches on the keyboard.

OUTEMU SWAPPABLE SWITCHES

Allows you to easily changes the switches using a switch puller, create your own custom feel that matches your mood.

Image: Two views of the keyboard demonstrating the concept of Outemu swappable switches, showing different colored switches installed.

Advanced Features

- **1000Hz Polling Rate:** The keyboard operates at a 1000Hz polling rate, ensuring rapid response times with minimal input lag.
- **All Key Anti-Ghosting:** This feature allows multiple keys to be pressed simultaneously without conflicts, ensuring every keystroke is registered accurately, which is crucial for gaming.
- **Software Support for Windows:** Utilize the dedicated software for Windows to create macros, remap keys, and fine-tune RGB lighting effects for a personalized setup.

1000 HZ
POOLING RATE

for a quick response with almost no lag.

ALL KEY ANTI-GHOSTING

allowing multi-keys to work simultaneously with high speed.

Image: A visual highlighting the 1000Hz polling rate and all-key anti-ghosting features of the keyboard, emphasizing quick and simultaneous key input.

Image: The keyboard shown with text indicating its 68-key compact size and software support for Windows, including macro and RGB customizations.

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Cosmic Byte CB-GK-31 Artemis keyboard:

- **Cleaning the Keyboard:**

  - Disconnect the keyboard from your computer before cleaning.
  - Use a can of compressed air to remove dust and debris from between the keycaps.
  - Wipe the keycaps and keyboard surface with a soft, slightly damp, lint-free cloth. Avoid excessive moisture.
  - For stubborn grime, a small amount of isopropyl alcohol on a cloth can be used, but avoid direct application to the switches.

- **Keycap Care:** The keyboard features scratch-resistant double-shot keycaps. While durable, avoid using abrasive materials for cleaning. If removing keycaps for deep cleaning, use a keycap puller to prevent damage.

- **Switch Care:** Avoid spilling liquids on the keyboard. If a switch feels sticky or unresponsive, it may be cleaned with compressed air or, if necessary, replaced due to the hot-swappable design.

Image: The keyboard highlighting its ergonomic design and scratch-resistant double-shot keycaps, contributing to durability and comfort.

TROUBLESHOOTING

If you encounter issues with your Cosmic Byte CB-GK-31 Artemis keyboard, try the following solutions:

Problem	Possible Solution
Keyboard is not responding.	- Ensure the USB cable is securely connected to both the keyboard and the computer. - Try connecting the keyboard to a different USB port on your computer. - Restart your computer. - Test the keyboard on another computer to rule out system-specific issues.

Problem	Possible Solution
RGB lighting is not working or is incorrect.	- Check the on-board lighting controls (Fn key combinations) to ensure lighting is enabled and set to a visible mode. - If using the software, ensure it is running and that the correct lighting profile is selected. Try resetting the lighting settings within the software. - Reinstall the keyboard software.
Certain keys are not registering or are double-typing.	- Remove the keycap and switch for the problematic key. Inspect for any debris or damage. - Reinstall the switch firmly. If the issue persists, consider replacing the switch with a new compatible Outemu switch. - Ensure the keyboard firmware is up to date (check Cosmic Byte's official website).

SPECIFICATIONS

Feature	Detail
Brand	Cosmic Byte
Model	CB-GK-31 Artemis
Connectivity	Wired (USB)
Key Count	68 keys
Switch Type	Outemu Red Mechanical (Swappable)
Keystroke Life	50 Million+ Operations per key
Backlighting	Per Key RGB (16.8 million colors, 10+ modes)
Polling Rate	1000 Hz
Anti-Ghosting	All Key Anti-Ghosting
Compatibility	Windows 10, Mac OS X (Software support for Windows)
Dimensions (LxWxH)	Approximately 10 x 10 x 10 cm (as per product data, may vary slightly)
Item Weight	650 g
Included Components	USB Cable

WARRANTY AND SUPPORT

The Cosmic Byte CB-GK-31 Artemis keyboard comes with a **1-Year Warranty** from the date of purchase. This warranty covers manufacturing defects and ensures reliable operation under normal use conditions.

For technical support, warranty claims, or any product-related inquiries, please contact Cosmic Byte customer

service. Refer to the contact information provided in your product packaging or visit the official Cosmic Byte website for the most up-to-date support details.

Important: Keep your purchase receipt or proof of purchase as it will be required for any warranty claims.

Related Documents

	[Cosmic Byte Firefly Mechanical Gaming Keyboard User Manual](#) Comprehensive user manual for the Cosmic Byte Firefly Mechanical Gaming Keyboard, detailing specifications, multimedia and FN key functions, troubleshooting steps, software download, social media links, and warranty information.
	[Cosmic Byte Firefly Mechanical Gaming Keyboard User Manual | Specifications, Features, Troubleshooting](#) Comprehensive user manual for the Cosmic Byte Firefly Mechanical Gaming Keyboard (CB-GK-16, CB-GK-18). Find details on specifications, multimedia and FN key combinations, software download, troubleshooting tips, and warranty information.
	[Cosmic Byte CosmoBuds X100 Pinch Touch Functionality Guide](#) Learn how to use the pinch touch controls on your Cosmic Byte CosmoBuds X100 earbuds for music playback, calls, and switching between Music and GOD modes.
	[Cosmic Byte CosmoBuds X200 True Wireless Gaming Earbuds User Manual](#) User manual for the Cosmic Byte CosmoBuds X200 True Wireless Gaming Earbuds. Learn about features like Bluetooth 5.3, 38ms ultra-low latency, 40-hour playback, IPX5 water resistance, touch controls, charging, pairing, and troubleshooting.
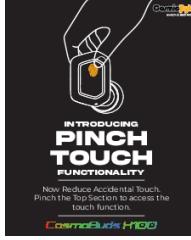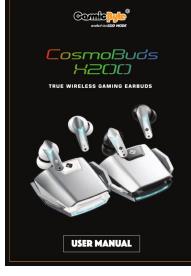
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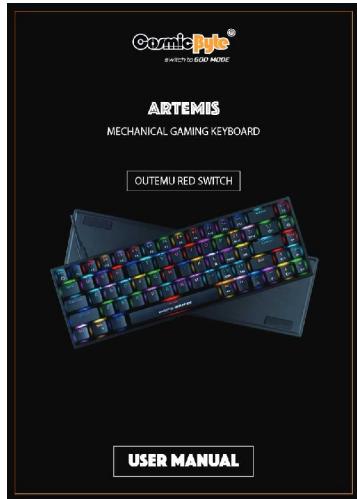
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