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Cadmos G3

Cadmos G3 Nixie Tube Clock User Manual

Model: G3 | Brand: Cadmos

1. INTRODUCTION

Thank you for choosing the Cadmos G3 Nixie Tube Clock. This retro-inspired digital clock features RGB LED tubes, offering a unique blend of vintage aesthetics and modern functionality. It is designed for ease of use with no assembly required and offers extensive customization options for its display. This manual provides detailed instructions for setting up, operating, and maintaining your clock.



Image 1.1: The Cadmos G3 Nixie Tube Clock, showcasing its illuminated digits and imitation wood grain base.

2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- 1x Cadmos G3 Nixie Tube Clock
- 1x USB Type-C Cable
- 1x USB Power Adapter (5V 1A)
- 1x Product Manual (this document)



PACKING LIST

Net Weight: 598 g/1.31 lb

Package Weight: 770 g/1.69 lb

1X GIXIE CLOCK

1X USB Cable

1X USB Adapter

1X Product manual

Material: ABS plastic (imitation wood grain), acrylic, stainless steel

Image 2.1: Illustration of the Cadmos G3 Nixie Tube Clock and its included accessories.

3. SPECIFICATIONS

Feature	Detail
Brand	Cadmos
Model Number	G3
Color	Imitation Wood Grain
Display Type	Digital (RGB LED Tubes)
Product Dimensions	10.6"W x 3.14"H
Power Source	Corded Electric (USB Type-C)
Special Features	Mood Light, Custom Display Color, Power Off Memory Backup, 9 Display Modes, 12/24 Hr Format
Material	Acrylic, Plastic, Stainless Steel
Item Weight	1.31 Pounds (598g)

Batteries	1 CR2032 (included, for memory backup)
USB Charge Ports	2x 5V 1A USB-A ports



Image 3.1: Product dimensions of the Cadmos G3 Nixie Tube Clock.

4. SETUP

4.1. Power Connection

1. Connect the provided USB Type-C cable to the Type-C port on the back of the Cadmos G3 Nixie Tube Clock.
2. Insert the other end of the USB Type-C cable into the supplied USB power adapter.
3. Plug the USB power adapter into a standard wall outlet. The clock will power on automatically.

The clock is designed for immediate use upon power connection, requiring no assembly.



Image 4.1: Rear view of the clock, highlighting the Type-C power input and USB charging ports.

5. OPERATION

5.1. Basic Controls

The Cadmos G3 Nixie Tube Clock features four control buttons located on the front base:

- **MODE:** Cycles through different display modes and settings.
- **SET:** Enters setting mode for time, date, and other parameters. Confirms selections.
- **+:** Increases values or navigates forward in menus.
- **-:** Decreases values or navigates backward in menus.



Image 5.1: The control buttons (MODE, SET, +, -) on the clock's base.

5.2. Setting Time and Date

1. Press the **SET** button to enter the time setting mode. The hour digits will begin to flash.
2. Use the **+** or **-** buttons to adjust the hour.
3. Press **SET** again to move to the minute digits, then adjust with **+** or **-**.
4. Continue pressing **SET** to cycle through setting the year, month, and day, adjusting each with **+** or **-**.
5. After setting the date, you may encounter an option to switch between 12-hour and 24-hour time formats. Use **+** or **-** to select your preference.
6. Press **SET** one last time to exit the setting mode and save your changes.

5.3. Display Modes and Customization

The clock offers 9 different display modes and extensive color customization:

- Press the **MODE** button to cycle through the various display effects (e.g., rainbow gradient, breathing display, flowing water gradient).
- To adjust colors manually, enter the color setting mode (specific steps may vary by mode, refer to on-screen prompts or experiment with **SET** and **MODE** buttons).

- Use the + or - buttons to change the color for individual digits or the overall display, depending on the selected mode.
- Brightness can also be adjusted using the + or - buttons when in brightness adjustment mode (typically accessed via **MODE** or **SET**). The screen can be turned off if desired.



Image 5.2: Examples of the diverse display modes and color options.



Atmosphere Color Light

☀ 16 Million Colors & 6 Brightness Dimmer

💾 Power Off Memory Backup



Image 5.3: The clock showcasing its atmosphere color light feature and 12/24 hour time format capability.

5.4. USB Charging Ports

The clock is equipped with two 5V 1A USB-A charging ports on the back. These ports can be used to charge small electronic devices such as smartphones, tablets, or other USB-powered accessories, reducing desktop clutter.



Image 5.4: Utilizing the integrated USB charging ports on the clock.

6. KEY FEATURES

- **No Assembly Needed:** Ready to use out of the box; simply plug in the power.
- **Full Customization:** RGB LED tubes with 9 display modes, adjustable colors, and lighting effects (rainbow gradient, breathing, flowing water).
- **12/24 Hr Time Format:** Easily switch between 12-hour and 24-hour display.
- **Adjustable Brightness:** Control display brightness or turn the screen off.
- **Memory Backup:** Internal CR2032 battery saves time and color settings during power outages.
- **USB Charge Ports:** Two 5V 1A USB-A ports for charging external devices.

7. MAINTENANCE

To ensure the longevity and optimal performance of your Cadmos G3 Nixie Tube Clock, follow these maintenance guidelines:

- **Cleaning:** Gently wipe the clock's surface and tubes with a soft, dry, lint-free cloth. Avoid using abrasive cleaners, solvents, or chemical sprays, as these can damage the finish and acrylic tubes.

- **Placement:** Place the clock on a stable, flat surface away from direct sunlight, excessive heat, or moisture.
- **Power:** Always use the provided USB Type-C cable and power adapter to prevent potential damage from incompatible power sources.

8. TROUBLESHOOTING

If you encounter any issues with your Cadmos G3 Nixie Tube Clock, please refer to the following common problems and solutions:

Problem	Possible Solution
Clock does not power on.	<ul style="list-style-type: none"> ◦ Ensure the USB Type-C cable is securely connected to both the clock and the power adapter. ◦ Verify that the USB power adapter is firmly plugged into a working wall outlet. ◦ Try using a different USB power adapter or USB port (e.g., on a computer) to rule out a faulty power source.
Time or settings are not saving after power off.	<ul style="list-style-type: none"> ◦ The clock has a memory backup feature. Ensure the internal CR2032 battery is functional. While typically pre-installed and charged, prolonged storage or a depleted battery might affect this. ◦ Ensure you press the SET button to confirm and save settings before exiting the setting mode.
Display is too dim or too bright.	<ul style="list-style-type: none"> ◦ Access the brightness adjustment mode (usually by cycling through MODE or SET) and use the + or - buttons to adjust.
USB charging ports are not working.	<ul style="list-style-type: none"> ◦ Ensure the clock itself is powered on. ◦ Verify the device you are trying to charge is compatible with 5V 1A charging. ◦ Try a different USB charging cable.

9. WARRANTY AND SUPPORT

The Cadmos G3 Nixie Tube Clock comes with a limited warranty. For specific warranty details, please refer to the product packaging or contact Cadmos customer support. If you require further assistance or have questions not covered in this manual, please reach out to Cadmos customer service through the retailer where the product was purchased.

