

Vastarry MTCK

Vastarry MTCK IPS Nixie Tube Clock Instruction Manual

Model: MTCK | Brand: Vastarry

1. INTRODUCTION

Thank you for choosing the Vastarry MTCK IPS Nixie Tube Clock. This digital clock combines retro aesthetics with modern technology, featuring an IPS color screen that simulates traditional Nixie tubes. It offers multiple display modes, alarm functions, and convenient web-based control for cross-platform compatibility.

This manual provides detailed instructions for setting up and operating your new clock. Please read it thoroughly to ensure proper use and to fully enjoy all its features.

2. WHAT'S IN THE BOX

Upon unboxing your Vastarry MTCK IPS Nixie Tube Clock, please verify that all the following items are included:

- Vastarry MTCK IPS Nixie Tube Clock Unit
- USB-C Power Cable
- Instruction Manual (this document)
- Cleaning Cloth



Image: Unboxing the Vastarry MTCK IPS Nixie Tube Clock, showing the clock unit, USB cable, and cleaning cloth.

Your browser does not support the video tag.

Video: Official unboxing video for the Vastarry IPS Nixie Tube Clock, demonstrating the contents and initial setup.

3. SETUP

1. **Unpack the Device:** Carefully remove the clock unit and all accessories from the packaging.
2. **Tube Installation (if applicable):** The clock is designed with a threaded locking structure for easy installation of the glass covers. If the tubes are not pre-installed, gently twist each glass cover onto its base until secure.

Twist it Tight

Threaded locking structure effortless installation



Image: A close-up view demonstrating the threaded locking structure for installing the glass covers onto the clock's display units.

3. **Power Connection:** Connect the provided USB-C power cable to the clock's power port and plug the other end into a compatible 5V USB power adapter (not included) or a USB port on your computer.
4. **Initial Power On:** The clock will power on automatically once connected.
5. **Network Synchronization (Recommended):** For accurate timekeeping and access to advanced features, connect your clock to Wi-Fi.
 - The clock supports cross-platform wireless control via a web interface, eliminating the need for a dedicated app.
 - To connect, find the clock's Wi-Fi network on your device (phone, computer, etc.) and connect to it.
 - Open a web browser and navigate to the IP address displayed on the clock (or a default address if provided in a separate quick start guide).
 - From the web interface, you can configure Wi-Fi settings, synchronize time, and customize various clock features.

Wireless Control for All

- ✓ WINDOWS
- ✓ MAC
- ✓ HARMONY
- ✓ ANDROID
- ✓ IOS



Image: A smartphone screen displaying the web-based control interface for the Nixie Tube Clock, showing options for time setting, alarm, album, lighting, and system.

4. OPERATING INSTRUCTIONS

The Vastarry MTCK IPS Nixie Tube Clock offers a range of functions and customization options. Control can be done via the physical buttons on the unit or through the web interface.

4.1. Basic Controls (Physical Buttons)

The clock unit features several buttons for direct control:

- **MODE Button:**
 - **Short Press:** Cycles through different display modes (Time, Date, Album, Fan Count, Ambient Light, Matrix Rain).
 - **Long Press:** Enters color settings for the current mode.
- **TIME Button:**

- **Short Press:** Activates Countdown Mode.
- **Long Press:** Enters time setting mode (blue display) or alarm setting mode (red display).
- **Up/Down Buttons:** Used to adjust values (e.g., time, brightness, color) within setting modes.

Your browser does not support the video tag.

Video: ClocTeck Tube Clock Operation Tutorial, demonstrating how to use the physical buttons to change modes, set colors, and adjust time/alarms.

4.2. Display Modes

The clock offers 7 distinct display modes:

- **Time Mode:** Displays current time.
- **Date Mode:** Displays current date.
- **Album Mode:** Cycles through customized pictures.
- **Time & Album Mode:** Displays time alongside customized pictures.
- **Time & Weather Mode:** Displays time and local weather forecast (requires Wi-Fi connection).
- **Fan Count Mode:** A dynamic visual effect.
- **Matrix Rain Mode:** A dynamic visual effect.

More Functions, More Fun!

Time Mode | Date Mode | Album Mode | Time&Album Mode |
Time&Weather Mode | Subscriber Counter Mode | Matrix Rain

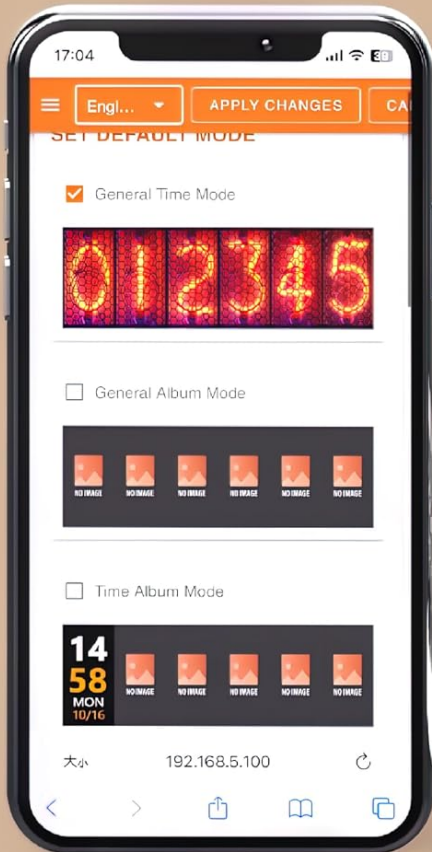


Image: The Nixie Tube Clock showcasing different display modes including Time, Date, Album, Time & Album, Social Media Counter, and Matrix Rain.

4.3. Web Control Interface

For comprehensive control and customization, use the web interface:

- **Time Configuration:** Set 12/24-hour format, synchronize with network time or mobile time.
- **Alarm Settings:** Configure up to 6 sets of alarms with repeat functions.
- **Clock Faces:** Access an online digital dial resource library and upload custom dials. Supports two sets of 12 custom static images.
- **Ambient Light Settings:** Adjust the ambient lighting colors and effects.
- **Weather Forecast:** Enable and configure weather display.
- **Firmware Upgrades:** The web interface supports firmware updates for continuous improvement.

Wireless Control for All

Fully compatible with Windows/Mac/Huawei
HarmonyOS/Android/iOS devices.
Web-based software, no need download any APP.

- ✓ **WINDOWS**
- ✓ **MAC**
- ✓ **HARMONY**
- ✓ **ANDROID**
- ✓ **IOS**

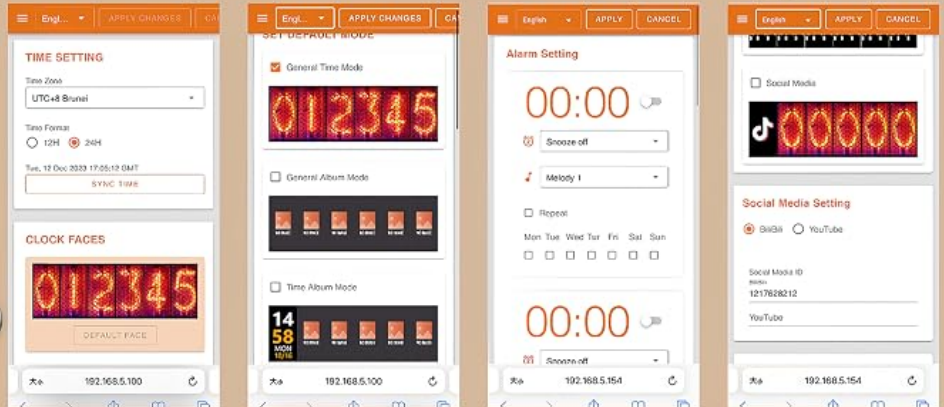
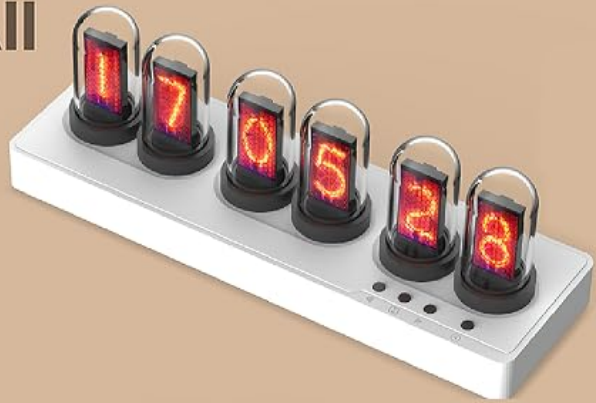


Image: A detailed view of the web control interface, showing options for time settings, alarm settings, clock faces, and social media settings.

5. MAINTENANCE

- **Cleaning:** Use the provided cleaning cloth or a soft, dry cloth to gently wipe the glass tubes and the unit's surface. Avoid abrasive cleaners or solvents.
- **Handling:** Handle the clock with care. Avoid dropping it or exposing it to excessive force.
- **Environment:** Keep the clock in a dry environment, away from direct sunlight, extreme temperatures, and high humidity.
- **Power:** Always use the provided USB-C cable and a compatible 5V power source.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Clock does not power on.	No power or faulty cable.	Ensure the USB-C cable is securely connected and the power source is active. Try a different USB power adapter.
Incorrect time displayed.	Time not synchronized or incorrect time zone.	Connect to Wi-Fi and use the web interface to synchronize time (Sync Net Time or Sync Mobile Time). Manually set time if Wi-Fi is unavailable.
Cannot connect to Wi-Fi.	Incorrect password, out of range, or network issues.	Double-check Wi-Fi password. Ensure the clock is within range of your Wi-Fi router. Restart the clock and try again.
Display is too bright/dim.	Brightness setting needs adjustment.	Use the physical buttons or the web interface to adjust display brightness.

Problem	Possible Cause	Solution
Custom images not displaying.	Images not uploaded correctly or incorrect mode selected.	Ensure images are uploaded via the web interface and the clock is in Album Mode or Time & Album Mode.

7. SPECIFICATIONS

Product Name	IPS Screen Multi-Function Smart Desktop Alarm Clock
Brand	Vastarry
Model Number	MTCK
Screen Type	0.96-inch IPS Color LCD Screen
Screen Resolution	80x160 Pixels
Power Interface	TYPE-C (USB-C)
Input Voltage	DC 5V
WiFi Standard	2.5GHz, IEEE 802.11 b/g/h
Product Material	Acrylonitrile Butadiene Styrene (ABS), Glass
Dimensions (L x W x H)	170.6 x 53.6 x 57.8mm (6.72" x 2.11" x 2.28")
Product Net Weight	152 Grams (5.4 ounces)
Special Features	Daylight Saving, Multilingual, Multiple Time Zone, Web Control, Online Digital Image Gallery, Phone Photo Transmission, Weather Forecast, Fan Count Display, Ambient Light Settings, Custom Dials, 6 Alarm Sets with Repeat Function, Firmware Upgrades

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Input Voltage	DC 5V
WIFI Standard	2.5GHz, IEEE 802.11 b/g/h
Product Material	ABS, Glass Tubes
Dimensions	170.6x53.6x57.8mm (Length x Width x Height)
Product Net Weight	152g

KEY FEATURES



- ◆ Supports iOS/Android, PC/Mac, and other platforms.
- ◆ Allows for custom watch faces with unlimited online updates.
- ◆ Supports two sets of 12 custom static images (6x2).
- ◆ Various display modes for easy switching.
- ◆ Can store and set 6 alarms with snooze and repeat functions.
- ◆ Supports WiFi network time synchronization.
- ◆ Supports firmware upgrades.

Image: A graphic displaying the product specifications and key features of the IPS Screen Multi-Function Smart Desktop Alarm Clock.

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the contact details provided on the product packaging or visit the official Vastarry website. Keep your purchase receipt as proof of purchase for any warranty claims.

The product is sold by Vastarry and fulfilled by Amazon. Standard return policy allows for returns within 30 days for refund/replacement.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question