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› Novastar Taurus Series TB3 Multimedia Player Synchronous and Asynchronous Dual-Mode Led Display Sending Box (Updated Version of PBOX100) User Manual

Novastar TB3 (PBOX100)

Novastar Taurus Series TB3 Multimedia Player User Manual

Brand: Novastar | **Model:** TB3 (PBOX100)

1. INTRODUCTION

The Novastar Taurus Series TB3 is a second-generation multimedia player designed for small and medium-sized LED full-color displays. This device offers robust performance and versatile control options, making it suitable for various commercial display applications.

The TB3 player supports both synchronous and asynchronous dual-mode operation, providing flexibility for content management and display synchronization. It is an updated version of the PBOX100, incorporating enhanced features for improved user experience.



Figure 1.1: Front view of the Novastar TB3 multimedia player, showing the main unit with two upright antennas, Novastar branding, and indicator lights.

2. PRODUCT FEATURES

The Novastar TB3 multimedia player is equipped with several advanced features to meet diverse display requirements:

- **High Loading Capacity:** Supports up to 650,000 pixels, enabling clear and vibrant display content.
- **Multi-Screen Synchronization:** Features a synchronization mechanism for seamless playing across multiple screens. For high-demand synchronization, a time synchronization module is recommended (consult technical staff for details).
- **Powerful Processing Capability:** Ensures smooth operation and efficient content rendering.
- **Omnidirectional Control Plan:** Allows program publishing and screen control via PC, mobile phones, and LAN. It also supports remote centralized publishing and monitoring.
- **Synchronous and Asynchronous Dual-Mode:** Offers flexibility for real-time content display or pre-scheduled playback.
- **Dual-Wi-Fi Mode:** Provides enhanced wireless connectivity options.

- **Optional 4G Module:** For network connectivity in areas without Wi-Fi or LAN. The 4G module must be purchased separately based on regional network service requirements and installed in advance.
- **Redundant Backup:** Enhances system reliability and ensures continuous operation.

3. SETUP GUIDE

Follow these steps to set up your Novastar TB3 multimedia player:

1. **Unboxing:** Carefully remove the TB3 unit and all accessories from the packaging. Verify that all components listed in the packing list are present.



Figure 3.1: Contents of the Novastar TB3 package, including the player unit, two antennas, a power cable, and the product box.

2. **Antenna Installation:** Screw the two provided antennas into the designated ports on the back of the TB3 unit. Ensure they are securely fastened for optimal wireless performance.



Figure 3.2: Side view of the Novastar TB3, illustrating the attachment points for the two antennas.

3. **Power Connection:** Connect the power cable to the power input port on the TB3 and then plug it into a suitable power outlet.
4. **Display Connection:** Connect the TB3 to your LED display using the appropriate video output ports (e.g., HDMI, VGA).



Figure 3.3: Rear panel of the Novastar TB3, detailing the various input/output ports, including antenna connectors, and regulatory labels.

5. **Network Connection (Optional):** For network control or content updates, connect the TB3 to your local area network (LAN) via an Ethernet cable, or configure Wi-Fi settings. If using the optional 4G module, ensure it is installed and activated.
6. **Initial Power On:** Once all connections are secure, power on the device. Observe the indicator lights for system status.

4. OPERATING INSTRUCTIONS

The Novastar TB3 offers flexible operating modes and control methods:

- **Content Publishing:**

Content can be published to the TB3 using various methods:

- **PC Software:** Utilize the dedicated configuration software on your computer to create, manage, and publish display programs.
- **Mobile App:** Control and publish content directly from your mobile phone using the compatible application.
- **LAN Control:** Manage content and device settings over your local area network.
- **Remote Centralized Publishing:** For large-scale deployments, the omnidirectional control plan supports remote publishing and monitoring of multiple devices.
- **Synchronous Mode:** In this mode, the TB3 acts as a sending box, synchronizing content playback with an external video source (e.g., a computer or video processor). This is ideal for real-time content display.
- **Asynchronous Mode:** The TB3 can store content internally and play it back independently, without a continuous connection to an external source. This is suitable for scheduled content playback, such as advertisements or informational displays.
- **Dual-Wi-Fi Operation:** The dual-Wi-Fi feature allows for more stable and flexible wireless connections, potentially supporting both network access and direct device control simultaneously.

Refer to the official Novastar documentation and software guides for detailed instructions on content creation, scheduling, and advanced configurations.

5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Novastar TB3 multimedia player:

- **Cleaning:** Regularly clean the exterior of the device with a soft, dry cloth. Avoid using liquid cleaners or abrasive materials. Ensure ventilation openings are free from dust and debris.
- **Firmware Updates:** Periodically check the Novastar official website for firmware updates. Keeping the firmware updated can improve performance, add new features, and resolve potential issues.
- **Environmental Conditions:** Operate the device within recommended temperature and humidity ranges. Avoid exposing it to extreme temperatures, direct sunlight, or high moisture environments.
- **Cable Management:** Ensure all cables are securely connected and not under strain. Proper cable management can prevent accidental disconnections and damage.
- **Storage:** If storing the device for an extended period, disconnect it from power, pack it in its original packaging or a protective case, and store it in a cool, dry place.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your Novastar TB3:

- **No Power:**
 - Ensure the power cable is securely connected to both the device and a working power outlet.
 - Verify the power outlet is functional by testing it with another device.
- **No Display Output:**
 - Check the video cable connection between the TB3 and the LED display.
 - Ensure the LED display is powered on and set to the correct input source.
 - Verify that content is properly loaded and scheduled for playback on the TB3.
- **Network Connectivity Issues:**
 - For wired connections, check the Ethernet cable and router/switch status.
 - For Wi-Fi, ensure the TB3 is within range of the Wi-Fi network and the correct password has been entered.
 - If using the 4G module, confirm it is correctly installed and has an active data plan.
- **Synchronization Problems:**

If you experience issues with multi-screen synchronization, especially for high-demand applications, it is recommended to consult Novastar's technical staff. A time synchronization module might be required.
- **Software/Configuration Issues:**

For problems related to content management, program publishing, or device configuration, refer to the relevant configuration software and instruction manuals provided by Novastar. Ensure you are using the latest version of the software.

If the issue persists after attempting these steps, please contact Novastar customer support for further assistance.

7. SPECIFICATIONS

Key technical specifications for the Novastar Taurus Series TB3 Multimedia Player:

Feature	Detail
Model Name	TB3 (PBOX100)
Loading Capacity	Up to 650,000 pixels
Product Dimensions	11 x 6 x 1.8 inches (27.94 x 15.24 x 4.57 cm)
Item Weight	2.86 pounds (1.3 kg)
Connector Type	HDMI, VGA
Special Features	Synchronous and Asynchronous Dual-Mode, Dual-Wi-Fi Mode
Controller Type	App Control
Form Factor	TV Box
Color	Black
Video Codec Support	H.264, H.265/HEVC
Compatible Devices	Desktop (for control software)
Manufacturer	Novastar
Country of Origin	China
First Available Date	January 2, 2019

8. WARRANTY AND SUPPORT

Novastar products are typically covered by a manufacturer's warranty. Specific warranty terms and conditions, including duration and coverage, are usually provided at the point of purchase or can be found on the official Novastar website. Please retain your proof of purchase for warranty claims.

For technical support, product inquiries, or assistance with advanced configurations, please visit the official Novastar website or contact their customer service. You may also refer to the "Relevant configuration software and instructions" mentioned in the product description for detailed guidance.

Novastar Official Website: www.novastar.tech

For specific synchronization requirements, Novastar recommends consulting their technical staff for guidance on additional modules or solutions.

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