

Brightsign LS445

BrightSign LS445 Digital Signage Appliance User Manual

Model: LS445 | Brand: Brightsign

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your BrightSign LS445 Digital Signage Appliance. The LS445 is designed for reliable digital signage experiences, supporting HD, 4K, and HTML5 content playback. Please read this manual thoroughly before using the device to ensure optimal performance and safety.

2. SAFETY INFORMATION

- Ensure the device is placed on a stable, flat surface to prevent accidental falls.
- Do not expose the device to water, moisture, or extreme temperatures.
- Use only the power adapter supplied with the device.
- Avoid blocking ventilation openings to prevent overheating.
- Do not attempt to open or repair the device yourself. Refer all servicing to qualified personnel.
- Disconnect power before cleaning or when the device is not in use for extended periods.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- BrightSign LS445 Digital Signage Appliance
- Power Adapter (with locking power cord)
- USB Cable
- Quick Start Guide (typically included)

Note: Additional accessories such as HDMI cables, Ethernet cables, or Wi-Fi modules may be sold separately.

4. PRODUCT OVERVIEW

The BrightSign LS445 is a compact and powerful digital signage media player. It features various ports for connectivity and content

delivery.



Figure 4.1: Angled view of the BrightSign LS445, highlighting its compact design and various connectivity ports including USB-C, MicroSD, and Audio out.



Figure 4.2: Top-down view of the BrightSign LS445, illustrating the layout of ports such as HDMI, Ethernet, USB-C, MicroSD, and Audio. Also visible are the reset button and service port.

Key Features:

- **High Performance:** Supports pristine HD, 4K, and HTML5 content playback.
- **Versatile Connectivity:** Includes Ethernet, USB-C, MicroSD slot, and digital audio output.
- **Secure Power:** Features a locking power cord for reliable operation.
- **Operating System:** Runs on BrightSign OS for enhanced security, reliability, and longevity.
- **Cloud Integration:** Connects to Control Cloud for content management.

5. SETUP INSTRUCTIONS

Follow these steps to set up your BrightSign LS445 appliance:

1. **Connect to Display:** Use an HDMI cable (not included) to connect the HDMI output port on the LS445 to the HDMI input on your display or TV.
2. **Connect to Network:**
 - **Wired Connection:** Connect an Ethernet cable from your network router or switch to the Ethernet port on the LS445.
 - **Wireless Connection (Optional):** If using an optional dual antenna Wi-Fi module, install it and configure Wi-Fi settings via BrightSign software.
3. **Insert MicroSD Card:** Insert a MicroSD card (containing your digital signage content and BrightSign OS) into the MicroSD slot. Ensure the card is properly formatted and contains valid content.
4. **Connect Peripherals (Optional):** Connect any USB-C interactive peripherals (e.g., touchscreens, keyboards) to the USB-C port.
5. **Connect Power:** Connect the locking power cord to the power input on the LS445, then plug the power adapter into a wall outlet. The device will power on automatically.
6. **Initial Boot:** Allow the device to boot up. It will load the BrightSign OS and begin playing content from the MicroSD card or network, depending on your configuration.

6. OPERATING INSTRUCTIONS

The BrightSign LS445 operates primarily through content programmed using BrightSign software and managed via the BrightSign Control Cloud or a preferred Content Management System (CMS).

Content Playback:

- Once powered on and configured, the LS445 will automatically play the assigned digital signage content. This can include looping videos, HTML presentations, and graphics.
- Content updates are typically pushed remotely via the network connection and Control Cloud.

Interactive Experiences:

- If interactive peripherals are connected, the LS445 supports various interactive experiences as programmed in your content.
- Refer to your content creation software documentation for details on designing interactive signage.

Power Management:

- The device is designed for continuous operation. To power off, disconnect the power adapter from the wall outlet.
- The locking power cord ensures a secure connection, preventing accidental disconnections.

7. MAINTENANCE

Cleaning:

- Ensure the device is powered off and disconnected from the power source before cleaning.
- Use a soft, dry cloth to wipe the exterior of the device.
- Do not use liquid cleaners, aerosols, or abrasive materials, as these can damage the device.

Software Updates:

- BrightSign OS updates are periodically released to improve performance, add features, and enhance security.

- Manage software updates through the BrightSign Control Cloud or your designated CMS. Follow the instructions provided by BrightSign for updating the firmware.

8. TROUBLESHOOTING

If you encounter issues with your BrightSign LS445, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power/Device not turning on	Power cable not connected securely; faulty power adapter; power outlet issue.	Ensure the locking power cord is fully inserted. Check the power adapter and try a different power outlet.
No display output	HDMI cable loose or faulty; incorrect input selected on display; display off or faulty.	Check HDMI cable connections. Ensure the display is on and set to the correct HDMI input. Try a different HDMI cable or display.
Content not playing	MicroSD card not inserted or corrupted; incorrect content on card; network connectivity issues preventing content download.	Verify MicroSD card insertion and content. Check network connection. Consult BrightSign software documentation for content publishing.
Network connection issues	Ethernet cable disconnected; Wi-Fi not configured; router/network problem.	Check Ethernet cable. If using Wi-Fi, ensure the module is installed and configured correctly. Verify router and internet connectivity.

For further assistance, refer to the official BrightSign support resources.

9. SPECIFICATIONS

Feature	Detail
Model Name	LS445
Manufacturer	Brightsign
Product Dimensions	7.6 x 7.5 x 3.1 inches
Item Weight	5.6 ounces
Resolution	4K (2160p scan format)
Connectivity Technology	Ethernet, USB (USB-C)
Connector Type	USB-C, HDMI, MicroSD, Audio
Special Features	4K performance, BrightSign OS, Locking Power Cord
Supported Internet Services	Control Cloud
Form Factor	Small and thin
Color	Multicolor (typically blue/black casing)

10. WARRANTY AND SUPPORT

For information regarding the product warranty, please refer to the warranty card included with your purchase or visit the official BrightSign website. For technical support, software downloads, and additional resources, please visit the BrightSign support portal.

Official BrightSign Website: www.brightsign.biz

Support Contact: Refer to the website for regional support contacts and online resources.

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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