

Brightsign XT1145

Product Manual: Brightsign XT1145 Digital Signage Player

Model: XT1145

1. INTRODUCTION

The Brightsign XT1145 is a powerful, ultra-thin digital signage media player designed for high-quality video playback and 3D motion graphics. It supports video resolutions from 1080p up to 8K60p, making it suitable for demanding visual applications. The XT1145 features an expanded I/O package, providing versatile connectivity options for various digital signage installations.

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your Brightsign XT1145 player. Please read this manual thoroughly before using the device to ensure proper operation and longevity.

2. PACKAGE CONTENTS

Upon opening the package, verify that all components are present and in good condition. If any items are missing or damaged, please contact your vendor immediately.

- Brightsign XT1145 Digital Signage Player
- Power Adapter
- Quick Start Guide (not included in this manual)

3. PHYSICAL OVERVIEW

Familiarize yourself with the various ports and indicators on the Brightsign XT1145 player.



Figure 3.1: Front view of the Brightsign XT1145 player, showing the audio, IR, serial, GPIO, power indicators, and Ethernet port.



Figure 3.2: Rear view of the Brightsign XT1145 player, illustrating the Mini-HDMI, multiple HDMI output ports, USB-A, USB-C, and Ethernet connections.

Front Panel Connections:

- **Audio Out:** 3.5mm jack for analog audio output.
- **IR:** Infrared port for external IR receiver.
- **Serial:** RS-232 serial port for control and communication with external devices.
- **GPIO:** General Purpose Input/Output port for interactive controls and external device integration.
- **Power/Status LEDs:** Indicators for power, network activity, and system status.
- **Ethernet (PoE+):** Gigabit Ethernet port with Power over Ethernet Plus (PoE+) support for network connectivity and power delivery.

Rear Panel Connections:

- **Mini-HDMI In:** Input for external video sources.
- **HDMI Out:** Multiple HDMI ports for connecting to displays, supporting resolutions up to 8K60p.
- **USB-A:** Standard USB port for connecting peripherals like keyboards, mice, or storage devices.
- **USB-C:** USB Type-C port for additional connectivity.
- **Reset Button:** For system reset or recovery.

4. SETUP

Follow these steps to set up your Brightsign XT1145 player.

1. **Power Connection:** Connect the provided power adapter to the DC input port on the player and then to a power outlet. The power LED on the front panel should illuminate.
2. **Display Connection:** Connect one or more HDMI cables from the HDMI output ports on the rear of the XT1145 to the HDMI input ports on your display(s).
3. **Network Connection:**
 - For wired network, connect an Ethernet cable from your network router or switch to the Ethernet port on the front panel. If your network supports PoE+, the player can receive power through this connection, eliminating the need for the separate power adapter.
 - For wireless network (if supported by your specific model or via USB Wi-Fi adapter), ensure the necessary adapter is connected and configure network settings via BrightSign software.
4. **Content Storage:** Insert an SD card (not included) with your prepared digital signage content into the SD card slot (location not explicitly stated in JSON, common on Brightsign players, assume internal or side). Alternatively, content can be delivered over the network.
5. **Peripheral Connections (Optional):** Connect any necessary peripherals such as USB devices (keyboard, mouse, touchscreens), audio systems, or serial control devices to their respective ports.

5. OPERATING INSTRUCTIONS

The Brightsign XT1145 operates primarily through content playback managed by BrightSign's proprietary software (e.g., BrightAuthor, BrightSign BSN.cloud). This section covers general operational aspects.

- **Power On/Off:** The player powers on automatically when connected to a power source. To power off, disconnect the power adapter or use a controlled shutdown command via the BrightSign software.
- **Content Playback:** Once content is loaded onto the player (via SD card or network), it will begin playback according to the programmed schedule. Content can include video (up to 8K60p), images, HTML5, and audio.
- **Remote Management:** The XT1145 is designed for remote management over a network. Use BrightSign software to update content, monitor player status, and configure settings from a central location.
- **Interactive Features:** Utilize the GPIO, USB, and serial ports to connect interactive elements such as buttons, touchscreens, motion sensors, or lighting controls, as programmed in your digital signage presentation.



Figure 5.1: Example of a digital signage environment where the Brightsign XT1145 player can be utilized to drive multiple displays with dynamic content.

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Brightsign XT1145 player.

- **Cleaning:**
 - Gently wipe the exterior of the player with a soft, dry cloth.
 - Do not use liquid cleaners, aerosols, or solvents, as they may damage the finish or internal components.
 - Ensure ventilation openings are clear of dust and debris to prevent overheating.
- **Firmware Updates:** Regularly check for and apply firmware updates provided by BrightSign. Firmware updates often include performance improvements, bug fixes, and new features. Updates are typically managed through BrightSign software.
- **Environmental Conditions:**
 - Operate the player within its specified temperature and humidity ranges.
 - Avoid exposing the device to direct sunlight, excessive heat, or moisture.
 - Ensure adequate airflow around the player to prevent overheating.

7. TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your Brightsign XT1145 player.

Problem	Possible Cause	Solution
Player does not power on.	No power connection; faulty power adapter; power outlet issue.	Ensure power adapter is securely connected to the player and a working power outlet. Test the outlet with another device. If using PoE+, verify the Ethernet cable and switch provide power.

Problem	Possible Cause	Solution
No display output.	Incorrect HDMI connection; display input not selected; display off or faulty; incorrect content resolution.	Verify HDMI cables are securely connected to both the player and the display. Ensure the display is on and set to the correct HDMI input. Check if the content resolution matches the display's capabilities.
No network connectivity.	Ethernet cable disconnected; network configuration error; router/switch issue.	Check Ethernet cable connection. Verify network settings in BrightSign software. Restart your network router/switch. Ensure network cables are not damaged.
Content not playing.	No content loaded; corrupted content; incorrect content scheduling.	Ensure content is properly loaded onto the SD card or network storage. Verify content integrity. Check content scheduling and presentation settings in BrightSign software.

8. SPECIFICATIONS

Technical specifications for the Brightsign XT1145 Digital Signage Player.

Feature	Detail
Model Number	XT1145
Dimensions (L x W x H)	7 x 9 x 1 inches (approx.)
Weight	2.92 pounds (approx.)
Video Output	HDMI (supports up to 8K60p)
Video Input	Mini-HDMI
Audio Output	3.5mm Stereo Jack, Digital Audio
Connectivity	Gigabit Ethernet (PoE+), USB-A, USB-C, Serial, GPIO, IR
Supported File Formats	Video (e.g., H.265, H.264), Images, HTML5, Audio
Power Consumption	30 Watts (On-mode)
Special Features	Compact design, 3D motion graphics support

9. WARRANTY AND SUPPORT

Brightsign products are designed for reliability and performance. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official BrightSign website. Keep your proof of purchase for warranty claims.

For technical support, troubleshooting assistance beyond this manual, or service inquiries, please contact BrightSign customer support or your authorized reseller. Contact information can typically be found on the BrightSign official website.

Note: Unauthorized modifications or repairs to the device will void the warranty.

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