



DS60P User Manual



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1. Startup



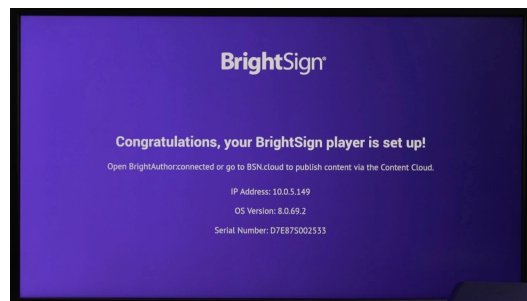
These screens will appear when the system starts up.



Splash screen

After connecting the system to power, the MOKA / BrightSign splash screen will be displayed.

If the system has already been set up and a presentation has been applied, the presentation will begin to play automatically.



Provisioning

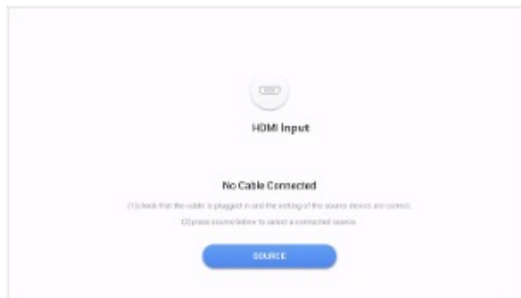
If the system has not been set up, you will be guided through the BrightSign setup process, also known as provisioning.

A major part of the provisioning process is establishing the Publishing Mode which defines how content will be published / delivered to the system.

2. Signal Source



Internal



HDMI

Signal Sources

- **Internal**

This is the default signal from the internal BrightSign components. If a presentation has been applied, the presentation will automatically start playing when the system is powered on.

- **HDMI**

When an active HDMI device is connected, the system will automatically switch to the signal from this device.

Switching Signal Sources

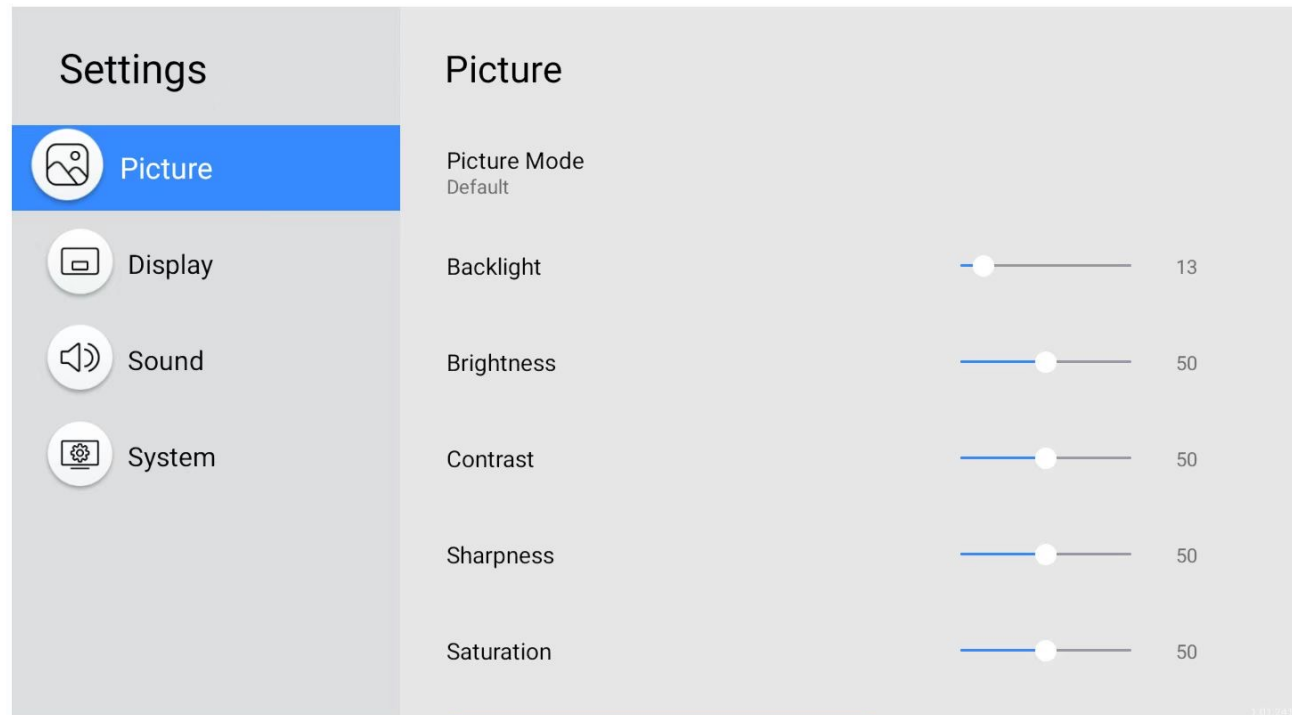
- **Remote control**

Use the “Source” button to select the desired signal source.

- **Automatic switching:**

When an active HDMI device is connected, the system will automatically switch to the signal from that device. When the HDMI device is removed, the system will switch back to the internal BrightSign signal.

3. Settings



Use the "Settings" button  on the remote control to configure the various settings.



3. Settings - Picture



Picture Mode

- Standard
- Vivid
- Soft
- Movie
- Monitor
- Game
- User

Backlight

- 0 - 100

Brightness

- 0 - 100

Contrast

- 0 – 100

Sharpness

- 0 – 100

Saturation

- 0 – 100

Color Tone

- Standard
- Warm
- Cool

Color Control

- R: 0 - 255
- G: 0 - 255
- B: 0 - 255

Reset Picture

Resets all Picture settings to the default settings.

3. Settings - Screen Display



Aspect Ratio

- Auto
- 16:9
- 4:3

Language

- English
- Deutsch
- Italiano
- Español
- 中文（简体）
- 中文（繁体）
- العربية
- 한국어
- Français
- Português

HDMI Mode

(only available on 4K displays)

- HDMI 1.4
- HDMI 2.0



3. Settings - Sound



Sound Mode

- Standard
- Music
- News
- Movie
- Game
- User

Balance

- Left / Right
- Reset (restores to default)

Equalizer

Only available when the Sound Mode is set to User.

Reset Sound

Resets all Sound settings to the default settings.



3. Settings – System

About

- Display Firmware Version
- MAC Address
- WiFi MAC Address
- BrightSign Serial No.
- BrightSignOS Version
- Hardware Revision

Power

Auto Off

- Off, 15 min, 30 min, 45 min, 60 min

When the display is inactive (no source signal is detected), the display and network connection will automatically turn off after the indicated amount of time. If the Always Connected setting is enabled, the display will turn off after the indicated amount of time, but the network connection will remain active.

Auto On

- Enabled / Disabled

When enabled, the display and network connection will automatically turn on when the device is plugged in. When disabled, the display and network connection will turn on when the device is plugged in, and the Power button is pressed.

HDMI Wake

- Enabled / Disabled

When enabled, connecting an active HDMI device will automatically turn the system on. When disabled, connecting an active HDMI device will have no effect if the system or display is off.

Always Connected

- Enabled / Disabled

Enabling this is recommended for digital signage use.

When enabled, pressing the Power button turns the display on and off. The network connection remains active, allowing software updates, content downloads, and remote management. When disabled, pressing the Power button turns the display and network connection on and off.

This setting uses more power when enabled than when disabled.

3. Settings – System (cont.)

Always On

- Enabled / Disabled

Enabling this is recommended for digital signage use.

When enabled, pressing the Power button will have no effect. The display will remain powered on, allowing content display and downloads, software updates, and remote management.

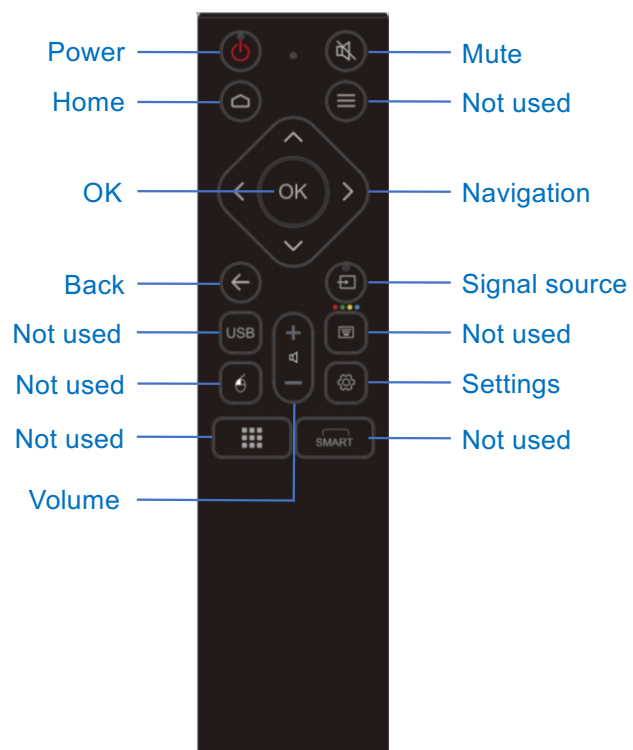
When disabled, pressing the Power button turns the display and network connection on and off.

This setting uses more power when enabled than when disabled.

Reset

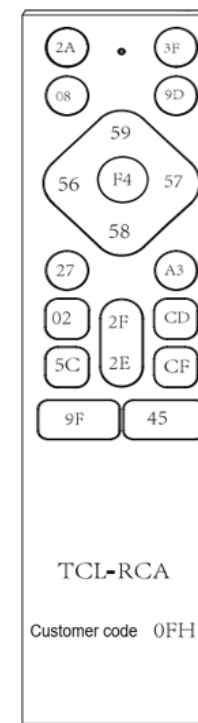
Resets all System settings to the default settings.

4. Remote Control



Buttons

- **Power:** Turn the system on or off
- **Home:** Return to the main menu
- **OK:** Confirm the selection
- **Back:** Return to the previous screen
- **Volume:**
 - "+" to increase volume
 - "-" to decrease volume
- **Mute:** Press to mute / unmute
- **Navigation:** Up, down, left, right
- **Signal Source:** Change between internal and external signal source
- **Settings:** Access settings



Key Codes

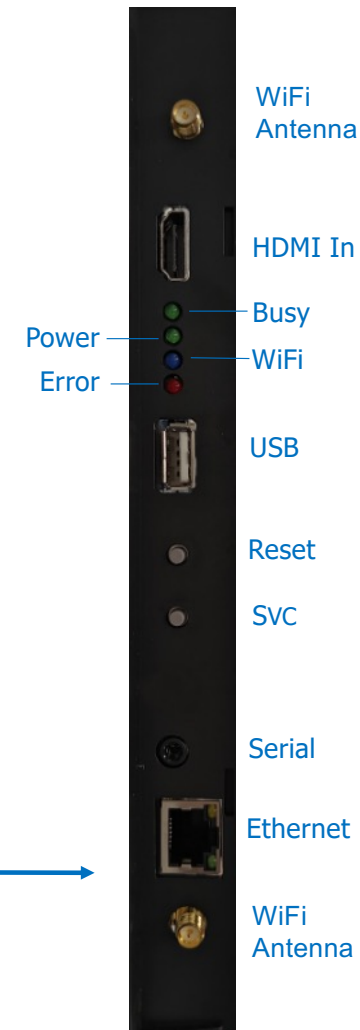
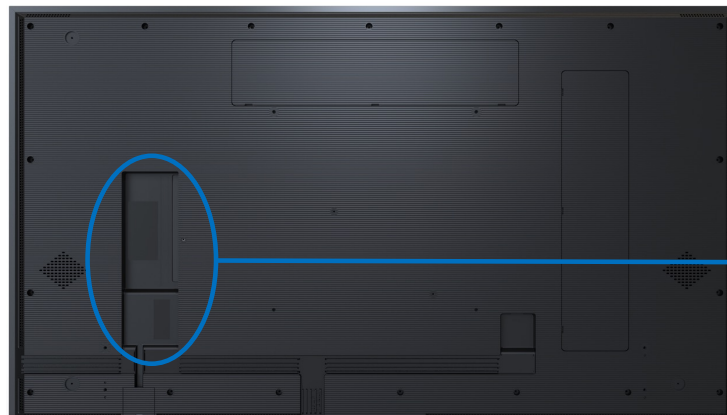
5. IR Receiver & Interfaces



IR Receiver
(center of the screen)



Interfaces



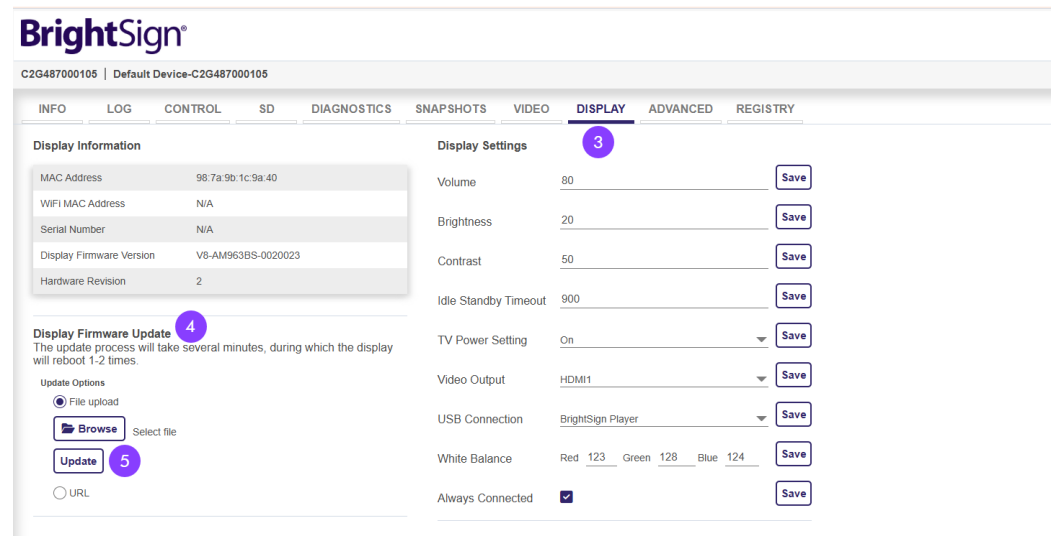
6. Display Firmware Update (LDWS)



The system's Local Diagnostic Web Server (LDWS) can be used to update the display firmware over the local network.

1. Determine the system's IP address by booting up the system without a storage device. The IP address will be displayed on the screen.
2. Access the LDWS by entering the IP address into a web browser's address bar.
3. While in the LDWS, click the DISPLAY tab.
4. Under Display Firmware Update, there are two options:
 - File upload
 - Upload a file from your computer.
 - URL
 - Enter the address of the URL-accessible file.
5. Click Update.

The update process will take several minutes, during which the display will reboot 1-2 times.



The screenshot shows the BrightSign web interface for device C2G487000105. The 'DISPLAY' tab is selected, showing 'Display Information' and 'Display Settings'. The 'Display Firmware Update' section is highlighted with a purple circle 4, showing 'File upload' as the selected option. The 'Update' button is highlighted with a purple circle 5. The 'Display Settings' section on the right has a purple circle 3 next to the 'Save' button for each setting.

Display Information	Value
MAC Address	98:7a:9b:1c:9a:40
WIFI MAC Address	N/A
Serial Number	N/A
Display Firmware Version	V8-AM963BS-0020023
Hardware Revision	2

Display Firmware Update 4
The update process will take several minutes, during which the display will reboot 1-2 times.

Update Options

☒ File upload

☐ URL

Select file

5

Display Settings 3

Volume	80	Save
Brightness	20	Save
Contrast	50	Save
Idle Standby Timeout	900	Save
TV Power Setting	On	Save
Video Output	HDMI1	Save
USB Connection	BrightSign Player	Save
White Balance	Red 123 Green 128 Blue 124	Save
Always Connected	☒	Save

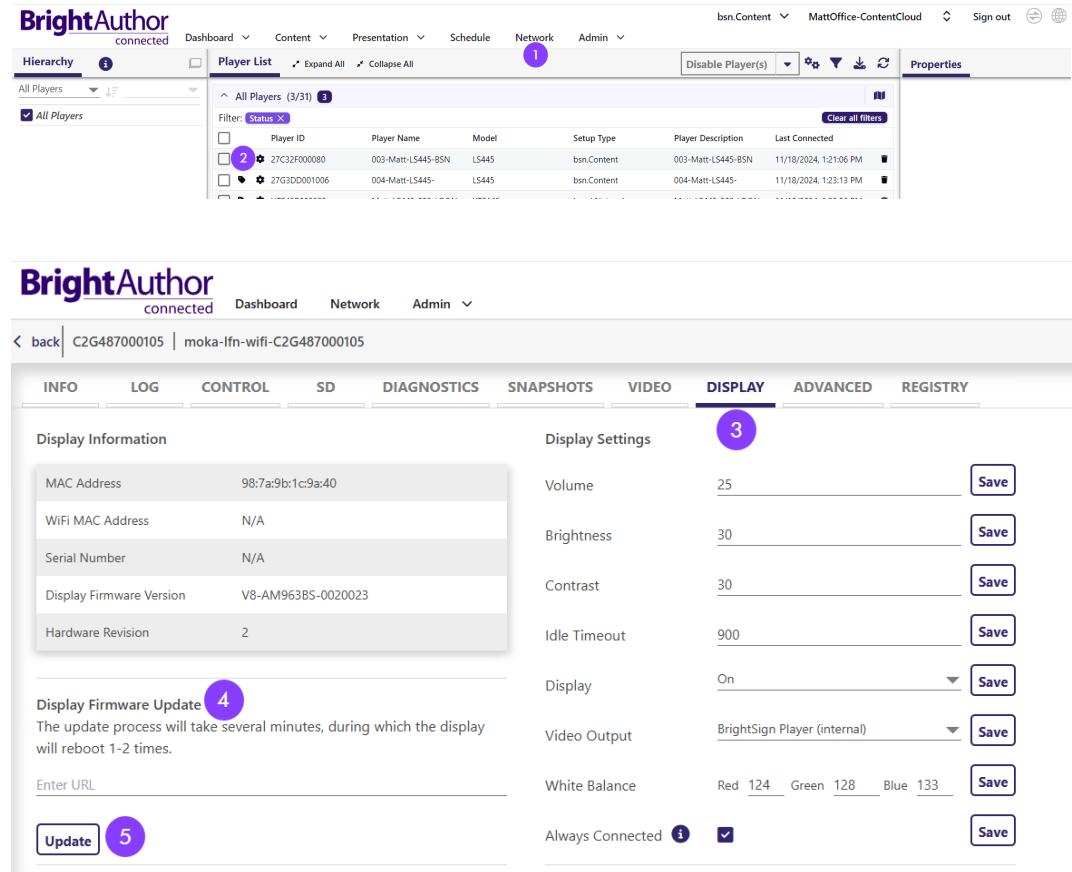
6. Display Firmware Update (RDWS)



The system's Remote Diagnostic Web Server (RDWS) can be used to update the display firmware over the internet. The system must be registered with BSN.Cloud.

1. From BrightAuthor:connected, click the Network tab and find the system in the list.
2. Click the "gear" icon to access the RDWS.
3. While in the RDWS, click the DISPLAY tab.
4. Under Display Firmware Update, enter the address of the URL-accessible file.
5. Click Update.

The update process will take several minutes, during which the display will reboot 1-2 times.



The screenshot shows the BrightAuthor:connected interface. The top navigation bar includes tabs for Dashboard, Content, Presentation, Schedule, Network, and Admin. The Network tab is selected, showing a list of players. A gear icon is clicked to access the RDWS. The RDWS interface shows the Display tab selected, with the Display Firmware Update section highlighted. The update process is described as taking several minutes and requiring a reboot. The URL field is empty, and the Update button is visible.

BrightAuthor:connected Dashboard Content Presentation Schedule Network Admin

Player List Expand All Collapse All Disable Player(s) Clear all filters

Player ID	Player Name	Model	Setup Type	Player Description	Last Connected
27C32F000080	003-Matt-LS445-BSN	LS445	bsn.Content	003-Matt-LS445-BSN	11/18/2024, 1:21:06 PM
27G3D0001006	004-Matt-LS445-	LS445	bsn.Content	004-Matt-LS445-	11/18/2024, 1:23:13 PM

BrightAuthor:connected Dashboard Network Admin

back C2G487000105 moka-lfn-wifi-C2G487000105

INFO LOG CONTROL SD DIAGNOSTICS SNAPSHOTS VIDEO **DISPLAY** ADVANCED REGISTRY

Display Information

MAC Address	98:7a:9b:1c:9a:40
WiFi MAC Address	N/A
Serial Number	N/A
Display Firmware Version	V8-AM963BS-0020023
Hardware Revision	2

Display Firmware Update

The update process will take several minutes, during which the display will reboot 1-2 times.

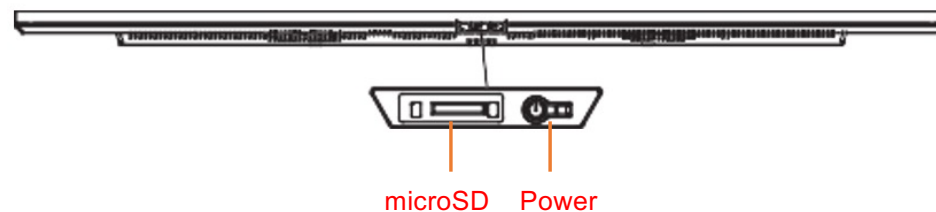
Enter URL

Update

Display Settings

Volume	25	Save
Brightness	30	Save
Contrast	30	Save
Idle Timeout	900	Save
Display	On	Save
Video Output	BrightSign Player (internal)	Save
White Balance	Red 124 Green 128 Blue 133	Save
Always Connected	☒	Save

7. microSD Card



The system has minimal onboard storage and requires a microSD card (not included) for digital signage operation. A microSD slot is located at the bottom of the display.

Due to the continuous usage digital signage systems experience, BrightSign-qualified microSD cards are recommended. Please visit brightsign.biz/storage for more info.



Together, Stronger!

