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› Samsung QB85R-N 85-inch 4K UHD Commercial Display User Manual

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Model: QB85R-N

INTRODUCTION

This manual provides essential information for the safe and efficient use of your Samsung QB85R-N 85-inch 4K UHD Commercial Display. This display is designed for commercial environments, offering a high-resolution 3840 x 2160 picture, 350 NIT brightness, and integrated MagicINFO S6 and SSSP 6.0 for robust content management. Please read this manual thoroughly before operating the device and retain it for future reference.



Figure 1: Front view of the Samsung QB85R-N 85-inch commercial display, showcasing its large screen and sleek design.

SETUP

Follow these steps to set up your Samsung QB85R-N display.

1. Unpacking

- Carefully open the packaging and remove the display and all accessories.
- Inspect the display for any signs of damage. If damaged, do not proceed with installation and contact your vendor.

- Retain the packaging materials for potential future transport or service.

2. Mounting

The Samsung QB85R-N is designed for wall mounting. Ensure you use a compatible VESA mount (not included) that can support the weight and size of the 85-inch display. Consult a professional installer for wall mounting to ensure safety and proper installation.



Figure 2: Side profile of the Samsung QB85R-N display, illustrating its slim design suitable for various mounting options.

3. Connecting Devices

Connect your input sources to the display's rear ports. The display features multiple connectivity options.

- **HDMI:** Connect up to three HDMI devices (e.g., media players, computers) to the HDMI ports.
- **USB:** Utilize the five USB ports (3 x USB 2.0, 2 x USB 3.0) for connecting peripherals or for content playback.
- **Network:** Connect an Ethernet cable for network access, if required for content management or updates.



Figure 3: Rear panel of the Samsung QB85R-N display, highlighting the arrangement of HDMI, USB, and other connectivity ports.

4. Power Connection

Once all input devices are connected, plug the power cord into the display's power inlet and then into a grounded electrical outlet. Ensure the power source meets the display's requirements.

OPERATING INSTRUCTIONS

This section covers the basic operation of your Samsung QB85R-N display.

Power On/Off

- To power on the display, press the power button on the remote control or the display's control panel.
- To power off, press the power button again. For extended periods of non-use, it is recommended to unplug the display from the power outlet.

Input Source Selection

Use the "Source" button on the remote control to cycle through available input sources (HDMI 1, HDMI 2, HDMI 3, etc.) or access the input menu to select your desired source.

Menu Navigation

Access the display's on-screen menu using the "Menu" button on the remote. Use the arrow keys to navigate through options and the "Enter" button to confirm selections. Adjust settings such as picture mode, sound, and system configurations as needed.

MagicINFO S6 and SSSP 6.0

The display features built-in MagicINFO S6 and SSSP 6.0 (Samsung Smart Signage Platform 6.0) for advanced content management. Refer to the dedicated MagicINFO S6 and SSSP 6.0 documentation for detailed instructions on scheduling content, managing devices, and utilizing advanced features.



Figure 4: The Samsung QB85R-N display showcasing high-quality visual content, demonstrating its operational capabilities.

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your display.

Cleaning the Display

- **Screen:** Gently wipe the screen with a soft, lint-free cloth. For stubborn marks, lightly dampen the cloth with water or a specialized screen cleaner. Never spray liquid directly onto the screen.
- **Casing:** Wipe the display casing with a soft, dry cloth. Avoid using abrasive cleaners or solvents.
- Always power off and unplug the display before cleaning.

Environmental Considerations

- Ensure adequate ventilation around the display to prevent overheating.

- Avoid exposing the display to direct sunlight, extreme temperatures, or high humidity.

TROUBLESHOOTING

This section addresses common issues you might encounter with your display.

No Power

- Check if the power cord is securely connected to both the display and the electrical outlet.
- Verify that the electrical outlet is functioning by plugging in another device.
- Ensure the power button on the display or remote control has been pressed.

No Signal / Blank Screen

- Confirm that the input source device (e.g., computer, media player) is powered on and functioning correctly.
- Check that the video cable (HDMI) is securely connected to both the display and the source device.
- Select the correct input source on the display using the "Source" button.
- Try a different video cable or input port if available.

Picture Problems (e.g., distorted, incorrect colors)

- Reset the display's picture settings to factory defaults via the on-screen menu.
- Ensure the resolution and refresh rate settings on your source device are compatible with the display (3840x2160 at 60Hz).
- Check for any physical damage to the display or cables.

If these steps do not resolve the issue, please refer to the support section for further assistance.

SPECIFICATIONS

Key technical specifications for the Samsung QB85R-N 85-inch Commercial Display.

Feature	Specification
Brand	Samsung
Model Number	QB85R-N
Screen Size	85 Inches
Display Type	LCD, LED
Native Resolution	3840 x 2160 (4K UHD)
Refresh Rate	60 Hz
Brightness	350 cd/m ²
Contrast Ratio	4000:1
Viewing Angle	178 Degrees
Response Time	8 Milliseconds
HDMI Ports	3
USB Ports	5 (3 x USB 2.0, 2 x USB 3.0)
Processor Count	1
Power Consumption	143 Watts
Mounting Type	Wall Mount
Operating Hours	16/7
Built-in OS	MagicINFO S6, SSSP 6.0

WARRANTY INFORMATION

This Samsung QB85R-N display comes with a **3-year warranty** from the date of purchase. This warranty covers manufacturing defects under normal use. For full terms and conditions, including limitations and exclusions, please refer to the official Samsung warranty documentation provided with your product or visit the Samsung official support website.

SUPPORT

For technical assistance, service, or further inquiries regarding your Samsung QB85R-N display, please contact Samsung customer support.

- **Online Support:** Visit the official Samsung support website for FAQs, downloads, and service requests.
- **Telephone Support:** Refer to your product documentation or the Samsung website for regional contact numbers.

When contacting support, please have your model number (QB85R-N) and serial number readily available.