

Samsung QM75R

SAMSUNG Business QM75R 75-inch 4K UHD Commercial Signage LED Display User Manual

Model: QM75R | Brand: Samsung

1. INTRODUCTION

The Samsung QMR series provides 4K UHD non-glare picture quality with up to a billion colors, delivering crystal clear, lifelike color and exceptional detail. Featuring an elegant, slim design and a clean cable management solution, these displays are designed for easy installation in various environments. The integrated Samsung Smart Signage Platform 6.0 and embedded MagicInfo player S6 media player facilitate efficient content management and playback, eliminating the need for an external set-back box or PC.

2. KEY FEATURES

- **Display:** 75-inch, 4K UHD (3840 x 2160 resolution), 500 nits brightness, non-glare panel, rated for 24/7 operation, IP5X rating.
- **Connectivity:** HDMI, DVI, DisplayPort 1.2; built-in Wi-Fi and Bluetooth for remote control and content sharing.
- **Picture Enhancement:** Intelligent UHD upscaling for standard and high-definition content, intelligent HDR+ to convert SDR to HDR.
- **Design:** Slim, elegant design for easy mounting, clean cable management, 9.2 mm bezel width, VESA 200 x 200 wall mountable in portrait or landscape mode.
- **Collaboration:** Cisco WebEx room kit compatible for conferencing solutions.
- **Smart Signage:** System-on-chip (SoC) technology and embedded media player for an all-in-one digital signage solution.



Figure 2.1: Front view of the Samsung QM75R display, showcasing its slim bezel and vibrant picture quality.

3. SETUP

3.1 Unpacking and Initial Inspection

Carefully remove the display from its packaging. Inspect the unit for any signs of damage. Ensure all components listed in the packing list are present.

3.2 Mounting the Display

The QM75R display supports VESA 200 x 200 wall mounting, allowing for installation in both portrait and landscape orientations. Its slim design and 9.2 mm bezel facilitate easy integration into various spaces. For optimal aesthetics, utilize the integrated cable management system to keep connections tidy.





Figure 3.1: Side view of the Samsung QM75R, illustrating its slim profile and accessible ports for easy installation.



Clean cable management

With QMR's new cable guide feature, retailers are able to tuck away messy cables from view. This allows for a clean and visually-appealing shopping experience for customers, even when the back of the display is visible.

Figure 3.2: The QMR series features a clean cable management system, ensuring a tidy installation by routing cables discreetly.

3.3 Connecting Peripherals

Connect your source devices (e.g., media players, computers) to the display using the available HDMI, DVI, or DisplayPort 1.2 inputs. The built-in Wi-Fi and Bluetooth allow for wireless connectivity and content sharing.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

Press the power button on the remote control or the display to turn the unit on or off. The display is rated for 24/7 operation, making it suitable for continuous commercial use.

4.2 Content Management and Playback

The integrated Samsung Smart Signage Platform 6.0 and embedded MagicInfo player S6 media player provide comprehensive tools for content creation, scheduling, and playback. Utilize the built-in Wi-Fi and Bluetooth for remote content updates and control via compatible devices.

Video 4.1: Samsung UHD Commercial Signage. This video demonstrates the advanced features of Samsung's UHD commercial displays, including intelligent upscaling, color accuracy, and design elements.

4.3 Picture Quality Enhancements

The display features intelligent UHD upscaling, which automatically converts lower-resolution content to stunning 4K quality. Intelligent HDR+ technology enhances standard dynamic range (SDR) content to high dynamic range (HDR), revealing greater detail in both bright and dark scenes.

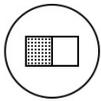


Intelligent UHD engine

Through a unique four-step process, UHD upscaling enhances the clarity and detail of content in both standard and high definitions for the best picture quality possible. This "future-proof" solution ensures best-in-class picture quality regardless of the original content resolution



Figure 4.2: Intelligent UHD Upscaling processes content to deliver enhanced 4K resolution, improving clarity and detail.

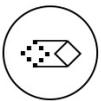


Noise Reduction

Digital Noise Reduction lowers the dither in images ensuring bright, vivid images with accurate color representation



Figure 4.3: UHD Noise Reduction minimizes visual noise in content, resulting in a cleaner and sharper image.



Edge Restoration

Edge restoration ensures lines and text are always crisp and clean in upscaled images

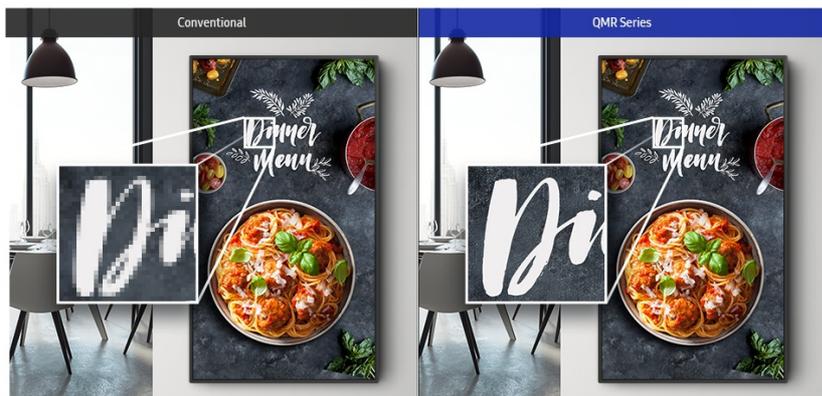


Figure 4.4: UHD Edge Restoration enhances the sharpness of image edges, making details more pronounced.

4.4 Cisco WebEx Compatibility

The QM75R is compatible with Cisco WebEx room kits, offering a powerful solution for seamless video conferencing and collaboration in business environments.

Video 4.5: Seamless Integration with Samsung Display Solutions and Cisco Webex. This video highlights the collaborative capabilities when integrating Samsung displays with Cisco Webex for enhanced meeting experiences.

5. MAINTENANCE

5.1 Cleaning the Display

To clean the display screen, gently wipe it with a soft, lint-free cloth. For stubborn marks, lightly dampen the cloth with water or a non-abrasive screen cleaner. Avoid using harsh chemicals or abrasive materials that could damage the screen surface. Ensure the display is powered off before cleaning.

5.2 General Care

Avoid placing objects on top of the display or blocking ventilation openings. Ensure the display is installed in a well-ventilated area to prevent overheating. Protect the display from direct sunlight and extreme temperatures.

6. TROUBLESHOOTING

6.1 No Power

- Check if the power cable is securely connected to both the display and the power outlet.
- Verify that the power outlet is functional by plugging in another device.
- Ensure the power switch on the display (if present) is in the 'On' position.

6.2 No Picture/Signal

- Confirm that the correct input source is selected on the display.
- Check all video cables (HDMI, DVI, DisplayPort) for secure connections at both the display and the source device.
- Test with a different video cable or source device to rule out cable or device issues.

6.3 Poor Picture Quality

- Adjust display settings such as brightness, contrast, and sharpness.
- Ensure the source content is of high quality (e.g., 4K content for optimal 4K display).
- Disable or adjust any picture enhancement features if they appear to be causing undesirable effects.

7. SPECIFICATIONS

Feature	Specification
Brand	Samsung
Model Number	QM75R
Screen Size	75 Inches
Screen Resolution	3840 x 2160 Pixels (4K UHD)

Feature	Specification
Brightness	500 nits
Panel Type	Non-Glare
Operation Rating	24/7
IP Rating	IP5X
Connectivity	HDMI, DVI, DisplayPort 1.2, 2x USB 2.0 Ports, Wi-Fi, Bluetooth
VESA Mount	200 x 200 mm
Product Dimensions (LxWxH)	66.2 x 1.8 x 37.8 inches
Item Weight	107.8 pounds
Color	Black
Aspect Ratio	16:9
Screen Surface Description	Flat

8. WARRANTY AND SUPPORT

8.1 Product Warranty

This Samsung Business QM75R display comes with a 3-Year Warranty, covering manufacturing defects and ensuring reliable performance. Please refer to the warranty card included with your product for full terms and conditions.

8.2 Technical Support

For technical assistance, troubleshooting, or service inquiries, please contact Samsung Customer Support. You can find contact information on the official Samsung website or in your product documentation.