

## RCA M27PG135F

# RCA 27" Evolution Premium QHD Gaming Monitor

Model: M27PG135F

## 1. INTRODUCTION

Thank you for choosing the RCA 27" Evolution Premium QHD Gaming Monitor. This manual provides essential information for setting up, operating, and maintaining your monitor to ensure optimal performance. This monitor features a 27-inch QHD (2560x1440) display with a rapid 240Hz refresh rate and 1ms response time, HDR10 compatibility, RGB backlighting, and an adjustable stand for an immersive gaming experience.

## 2. WHAT'S IN THE BOX

Please check the contents of your package. If any items are missing or damaged, contact RCA customer support.

- RCA 27" Evolution Premium QHD Gaming Monitor (M27PG135F)
- Monitor Stand (Neck and Base)
- Screws for Stand Assembly
- DisplayPort (DP) Cable
- Power Adapter
- Power Cable
- User Manual (this document)

## 3. SETUP

### 3.1. Assembling the Stand

1. Carefully remove the monitor and stand components from the packaging.
2. Attach the stand neck to the monitor panel using the provided screws. Ensure it is securely fastened.

3. Attach the stand base to the stand neck, tightening the screws until the stand is stable.
4. Place the assembled monitor on a stable, flat surface.

### 3.2. Connecting to Power

1. Connect the power cable to the power adapter.
2. Plug the power adapter into the monitor's DC 24V input port.
3. Plug the other end of the power cable into a power outlet.

### 3.3. Connecting to a Device

Your monitor supports multiple input options:

- **DisplayPort (DP):** Connect the provided DP cable from your computer's graphics card to the monitor's DisplayPort input. This is recommended for achieving the maximum 240Hz refresh rate.
- **HDMI:** Connect an HDMI cable from your device (PC, console) to one of the monitor's HDMI 1 or HDMI 2 input ports.
- **USB Type-C:** Connect a USB Type-C cable from a compatible device (laptop, handheld gaming device) to the monitor's Type-C input. This port supports video input and 90W power delivery.

### 3.4. USB Hub and Audio Connections

- **USB Upstream (USB-UP):** Connect a USB-UP cable from your computer to the monitor's USB-UP port to enable the monitor's USB 2.0 ports (USB1, USB2) for peripherals.
- **Headphone:** Connect your headphones to the 3.5mm headphone jack for audio output.



Figure 1: Rear view of the monitor displaying all available input and output ports including Power, USB, USB-UP, HDMI, DisplayPort, USB-C, and Headphone jack.

## 4. OPERATING THE MONITOR

### 4.1. Power On/Off

Press the joystick button located on the bottom right-hand side of the monitor to power it on or off.

### 4.2. Menu Navigation

The monitor features a single joystick button for navigating the On-Screen Display (OSD) menu. Press the joystick button to open the OSD menu. Move the joystick up, down, left, or right to navigate through options, and press it again to select an item or confirm a setting.

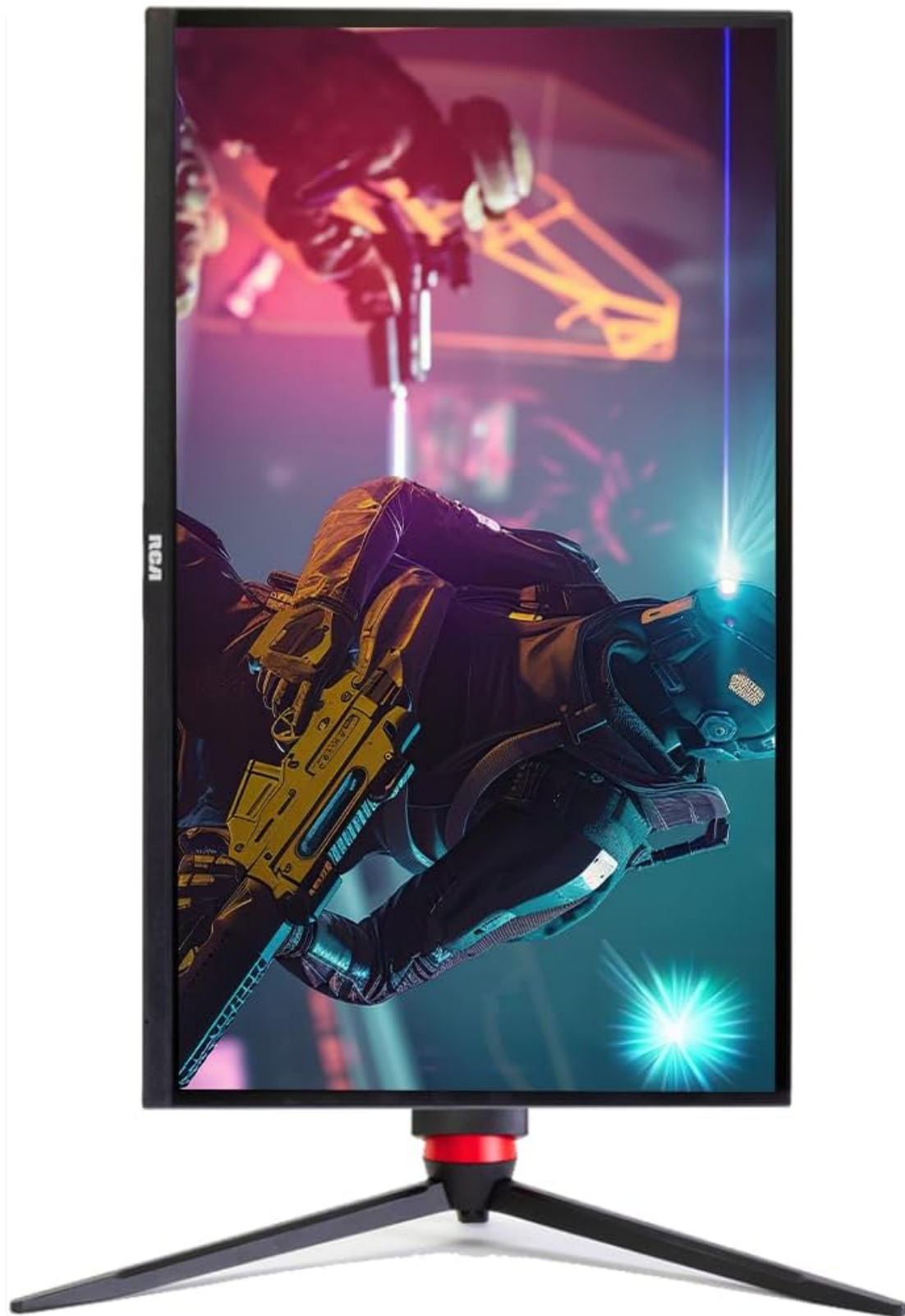


Figure 2: The joystick button for menu navigation is located on the bottom right-hand side of the monitor.

### 4.3. OSD Menu Options

The OSD menu is organized into several main categories:

- **Display:** Adjust brightness, contrast, black equalize, preset modes (Standard, User, Movie, Photo, RTS, FPS1, FPS2), aspect ratio, and sharpness.
- **Color:** Configure color temperature (Normal, Cool, Warm, sRGB, User), gamma, hue, saturation, and low blue light settings.
- **Gaming Setup:** Enable/disable FreeSync/G-Sync, adjust overdrive (Off, Low, Middle, High), activate Game Plus features (Timer, Crosshair, FPS Counter), enable/disable Dynamic Contrast Ratio (DCR),

and set Motion Picture Response Time (MPRT).

- **Advanced Settings:** Control HDR (Off, Auto), RGB Light (On, Off), and KVM switch settings (USB Off, USB Up, Type-C).
- **Input:** Manually select the input source (Auto, DP, HDMI1, HDMI2, Type-C).
- **System Set:** Adjust language, OSD setup (H/V Position, OSD Timeout, Transparency), audio volume, USB upgrade, and reset settings to factory defaults.

## 5. PRODUCT FEATURES IN DETAIL

### 5.1. Immersive Gaming Experience



Figure 3: The RCA 27" Evolution Premium QHD Gaming Monitor showcasing a dynamic game scene with rich colors and sharp details.

Experience ultra-smooth gameplay and quick reactions with the QHD 2K display and 240Hz refresh rate. The 1ms response time ensures fluid motion, keeping you ahead in competitive gaming.

### 5.2. Ergonomic and Stylish Design



Figure 4: Front view of the RCA M27PG135F monitor, highlighting its borderless design and adjustable stand for ergonomic comfort.

The monitor features a borderless design for enhanced viewing and an ergonomic stand that allows for height, swivel, and tilt adjustments, ensuring comfort during long gaming sessions. It also supports VESA 100x100mm mounting.

### 5.3. Connectivity and KVM Support

Figure 5: Detail of the monitor's flexible connections and KVM switch capability, allowing seamless switching between devices. With multiple HDMI, DisplayPort, and a USB Type-C port with 90W power delivery, this monitor offers versatile connectivity. The integrated KVM switch allows for effortless device switching, streamlining your setup.

### 5.4. RGB Backlighting and Cable Management

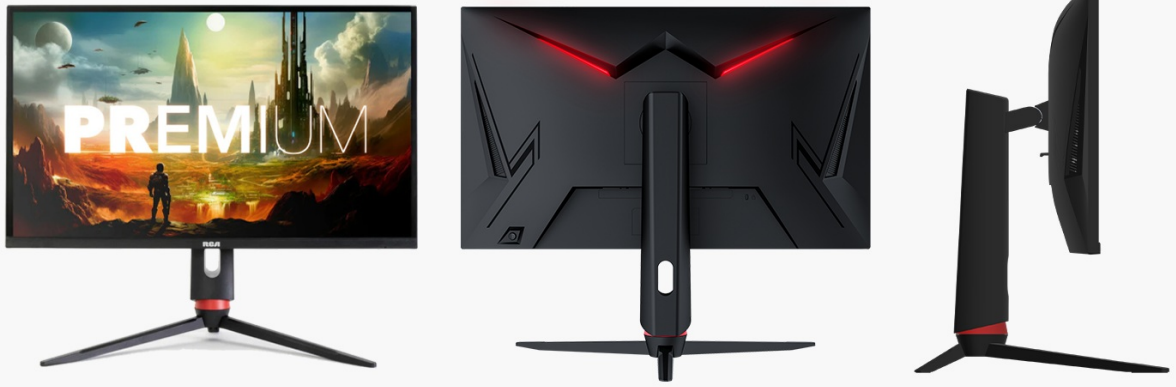


Figure 6: The rear of the monitor featuring customizable RGB LED backlighting, adding ambiance to your gaming setup.



Figure 7: The monitor stand includes a built-in cable management hole to keep your desk tidy and organized. Add style to your gaming setup with RGB LED backlighting. The stand also features built-in cable management to maintain a clean and organized workspace.

## 5.5. Official Product Video

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Video 1: Official product overview of the RCA Evolution 27" Gaming Monitor, highlighting its key features and performance capabilities.

## 6. SPECIFICATIONS

Feature	Detail
Brand	RCA
Model Number	M27PG135F
Screen Size	27 Inches
Resolution	QHD (2560x1440)

Feature	Detail
Refresh Rate	240 Hz
Response Time	1 Millisecond (GtG)
Display Technology	LED
HDR Support	HDR10
Color Gamut	95% DCI-P3
Brightness	350 Candela (Typical)
Contrast Ratio	1000:1
Viewing Angle	170 Degrees
Connectivity	2x HDMI 2.0, 1x DisplayPort 1.4, 1x USB Type-C (90W PD), 2x USB 2.0, 1x Headphone Jack
Adaptive Sync	FreeSync
Special Features	Built-In Speakers, Height Adjustment, Swivel Adjustment, Tilt Adjustment, Wall Mountable (VESA 100x100mm), RGB Backlighting, KVM Support, Low Blue Light Filter, Flicker-Free Display
Item Weight	8.32 Kilograms
Item Dimensions (DxWxH)	11.5"D x 24.25"W x 20.65"H

## 7. MAINTENANCE

To ensure the longevity and optimal performance of your RCA monitor, follow these maintenance guidelines:

- **Cleaning the Screen:** Gently wipe the screen with a soft, lint-free cloth. For stubborn marks, use a monitor-specific cleaning solution applied to the cloth, not directly to the screen.
- **Cleaning the Casing:** Use a soft, dry cloth to clean the monitor's casing. Avoid using abrasive cleaners or solvents.
- **Ventilation:** Ensure the monitor's ventilation openings are not blocked to prevent overheating.
- **Power Off When Not in Use:** Turn off the monitor when not in use for extended periods to save energy and prolong its lifespan.

## 8. TROUBLESHOOTING

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If you encounter issues with your monitor, please refer to the following common solutions:

- **No Power:** Ensure the power cable and adapter are securely connected to the monitor and a working power outlet. Check if the power outlet is functional.
- **No Signal:** Verify that the video cable (DP, HDMI, USB-C) is correctly connected to both the monitor and your device. Ensure the correct input source is selected in the OSD menu.
- **Flickering Screen:** Check the video cable connection. Try a different cable or input port. Ensure your device's graphics drivers are up to date.
- **Image Distortion/Incorrect Colors:** Reset the monitor to factory default settings via the OSD menu. Adjust color settings (Color Temperature, Hue, Saturation) as needed.
- **Stand Assembly Issues (e.g., stuck screw):** Ensure you are using the correct screws for each part. Do not overtighten. If a screw is stuck, gently try to loosen it with appropriate tools, being careful not to damage the monitor.
- **Audio Issues:** Check the volume settings in the OSD menu and on your connected device. Ensure headphones are properly plugged into the headphone jack.

If the problem persists, please contact RCA customer support.

## 9. WARRANTY AND SUPPORT

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The RCA 27" Evolution Premium QHD Gaming Monitor comes with a **1-year warranty**. For any technical assistance, troubleshooting, or warranty claims, please contact RCA's dedicated **24/7 customer support**. For more information, visit the [RCA Store on Amazon](#).