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› BenQ GW2790 27-inch FHD IPS Monitor User Manual

## BenQ GW2790

# BenQ GW2790 27-inch FHD IPS Monitor User Manual

Model: GW2790

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## 1. INTRODUCTION

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This manual provides detailed instructions for the setup, operation, and maintenance of your BenQ GW2790 27-inch FHD IPS Monitor. Please read this manual thoroughly before using the monitor to ensure proper functionality and to maximize your viewing experience.



Figure 1.1: Front view of the BenQ GW2790 Monitor.

The BenQ GW2790 monitor features a 27-inch Full HD (1920x1080P) IPS panel with a 100Hz refresh rate, designed for smooth visuals and vibrant colors. It offers 99% sRGB color gamut for accurate color reproduction. It incorporates BenQ's Eye-CareU technology, including Brightness Intelligence, Low Blue Light+, and Flicker-Free features to enhance viewing comfort. Connectivity options include dual HDMI ports and a DisplayPort, with an easy switch function for seamless device transitions.



Figure 1.2: Illustration of 99% sRGB color space for vibrant and accurate colors.

## 2. PACKAGE CONTENTS

Verify that all items listed below are included in your package. If any items are missing or damaged, please contact your retailer or BenQ customer support.

- BenQ GW2790 Monitor
- Power Cable (1.5m, 16 amp)
- HDMI Cable
- Warranty Card
- Quick Start Guide (QSG)
- Safety Instructions

## 3. SETUP INSTRUCTIONS

### 3.1 Monitor Assembly

Follow these steps to assemble the monitor stand and attach it to the display panel. Ensure the monitor is placed on a stable, flat surface during assembly.



Figure 3.1: Monitor dimensions, illustrating height, width, and depth with the stand.

The monitor is also VESA wall mountable (100x100mm) for alternative installation options. Refer to the Quick Start Guide for detailed physical assembly steps.

### 3.2 Connecting to a Computer or Device

The BenQ GW2790 monitor offers multiple connectivity options. Ensure your computer or device is powered off before making connections.

- **HDMI Connection:** Connect one end of the HDMI cable to an HDMI port on your computer/device and the other end to one of the two HDMI ports on the monitor.
- **DisplayPort Connection:** Connect one end of the DisplayPort cable to the DisplayPort on your computer/device and the other end to the DisplayPort on the monitor.
- **Power Connection:** Connect the provided 16 amp power cable to the monitor's power input and then to a suitable power outlet. Note that a 16 amp power cable is typically used for higher power appliances; a converter may be required for standard 6 amp wall sockets in some regions.

# Easy Source Switching



Figure 3.2: Illustration of connecting multiple devices (laptop, game console) to the monitor via HDMI and DisplayPort.

## 4. OPERATING INSTRUCTIONS

### 4.1 Power On/Off

Press the power button located on the bottom right side of the monitor to turn it on or off. The power indicator light will illuminate when the monitor is active.



Figure 4.1: Monitor control buttons for input switching, eye-care features, and power.

## 4.2 On-Screen Display (OSD) Menu Navigation

The monitor features a 5-way joystick control for navigating the OSD menu. Press the joystick to access the main menu, then move it up/down/left/right to select and adjust settings. The Input Key allows quick switching between connected video sources.

## 4.3 Display Modes

The BenQ GW2790 offers several specialized display modes to optimize your viewing experience for different tasks:

- **Coding Mode:** Optimizes text clarity and contrast for programming and extensive text-based work, reducing eye strain.
- **ePaper Mode:** Simulates the appearance of e-paper, providing a comfortable reading experience similar to physical paper, ideal for long reading sessions.
- **Mbook Mode:** Designed to match the color output of MacBooks, ensuring consistent visual representation when using the monitor as an external display for Apple devices.
- **Color Weakness Mode:** Provides red and green filters to help individuals with color vision deficiency

distinguish colors more easily.

# Easy-on-the-Eye Color Modes

```
DOCTYPE html>
<html lang="en">
  <head>
    <title>My perfect website</title>
    <meta charset="utf-8" />

    <link rel="preconnect" href="https://s3.mysite.com" />
    <link rel="preconnect" href="https://www.mysite.com" />

    <meta name="viewport" content="width=640, initial-scale=1">

  </head>
  <script>
    var mytag = mytag || {};
    mytag.cmd = mytag.cmd || [];
    (function() {
      var gads = document.createElement('script');
      gads.async = true;
      gads.type = 'text/javascript';
      var useSSL = 'https:' == document.location.protocol ?
        'https:' : 'http:';
      gads.src = (useSSL ? 'https:' : 'http:') +
        '//www.mytagsservices.com/tag/js/gpt.js';
      var node = document.getElementsByTagName('script')[0];
      node.parentNode.insertBefore(gads, node);
    })();
    mytag.cmd.push(function() {
      var homepageSquareSizeMapping = mytag.sizeMapping({
        addSize([945, 250], [200, 200]),
        addSize([0, 0], [300, 250]),
        build()
      });
      mytag.defineSlot('/1023782/homepageDynamicsSquare', [[300, 250], [300, 200]], 'reserv
```

## Coding Mode

for effortless  
readability

## DAILY NEWS

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### Does recycling really make a difference in combating climate change, or is it history?

Recycling has long been promoted as essential for environmental protection. It helps reduce waste and conserve resources by reprocessing materials like aluminum, plastic, and paper, thereby saving energy and lowering greenhouse gas emissions. For example, recycling aluminum uses 95% less energy than producing it from raw materials.

However, some argue that recycling alone is insufficient in combating climate change. Critics point out that it can divert attention from more impactful actions such as reducing consumption and increasing renewable energy use. Additionally, the global recycling system faces issues like contamination, fluctuating market prices, and inadequate infrastructure. Studies indicate that while recycling is beneficial, it cannot address climate change on its own. Effective climate action requires reducing fossil fuel use, enhancing energy efficiency, and developing carbon capture technologies. Therefore, recycling should be part of a broader strategy to combat climate change effectively.



### World leaders meet in London to discuss the global economy.

World leaders convened in London to tackle global economic challenges. Amidst pandemic fallout and economic uncertainties, discussions focused on fostering recovery, bolstering trade, and promoting innovation. By the UK, the summit highlighted the importance of multilateral cooperation in addressing shared concerns. Key themes included digital

## ePaper Mode

for long  
reading sessions

Figure 4.2: Examples of Coding Mode for effortless readability and ePaper Mode for long reading sessions.

# Color Weakness Mode



Figure 4.3: Color Weakness Mode interface, assisting in distinguishing colors.

## 5. EYE-CARE FEATURES

The BenQ GW2790 is equipped with advanced Eye-CareU technologies to minimize eye strain during prolonged use:



## B.I. Tech

for brightness smart optimization

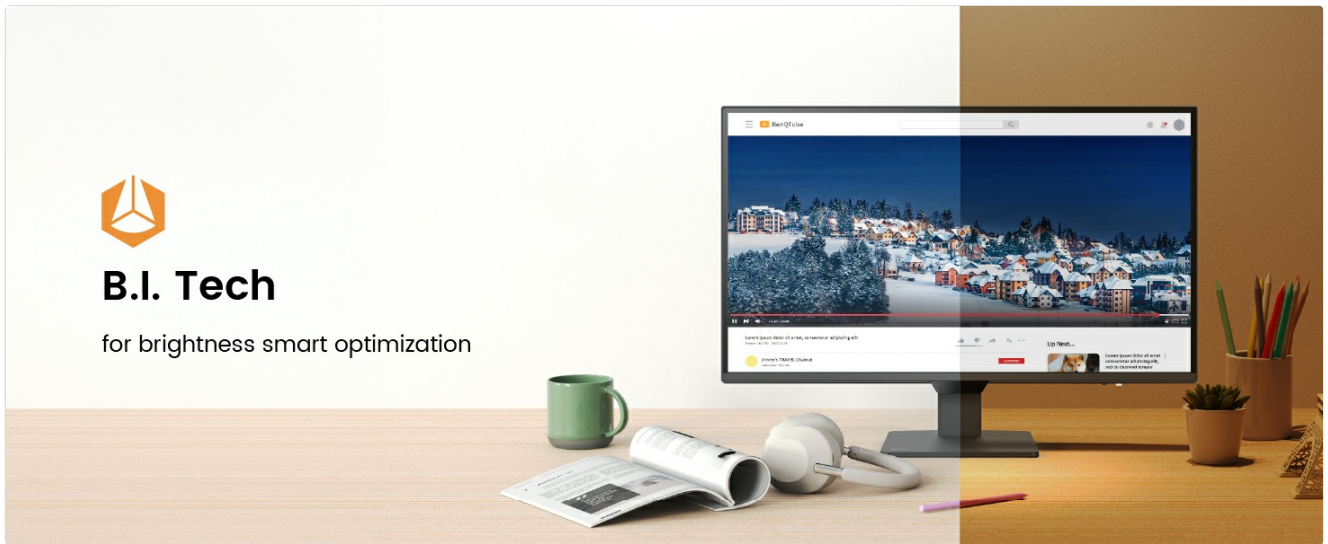
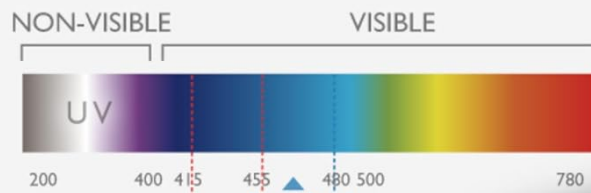


Figure 5.1: Overview of BenQ Eye-Care Technology for comfort and protection.

- **Brightness Intelligence (B.I.) Tech:** Automatically adjusts screen brightness based on ambient light conditions and on-screen content, ensuring optimal viewing comfort.
- **Low Blue Light+ Technology:** Filters out harmful blue-violet light while maintaining vivid color accuracy, reducing eye fatigue.
- **Flicker-Free Technology:** Eliminates traditional LCD flickering at all brightness levels, preventing eye strain and discomfort.

# LowBlueLight<sup>+</sup>

Conventional LCD  
Blue Light Emission



Low Blue Light Plus  
Technology

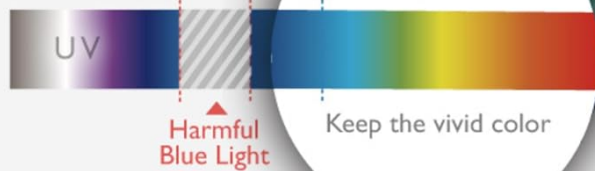


Figure 5.2: Low Blue Light Plus Technology filtering harmful blue light.

# Flicker-Free Technology

**With**

**Without**



Figure 5.3: Visual comparison of Flicker-Free Technology in action.

# Software Eye-CareU

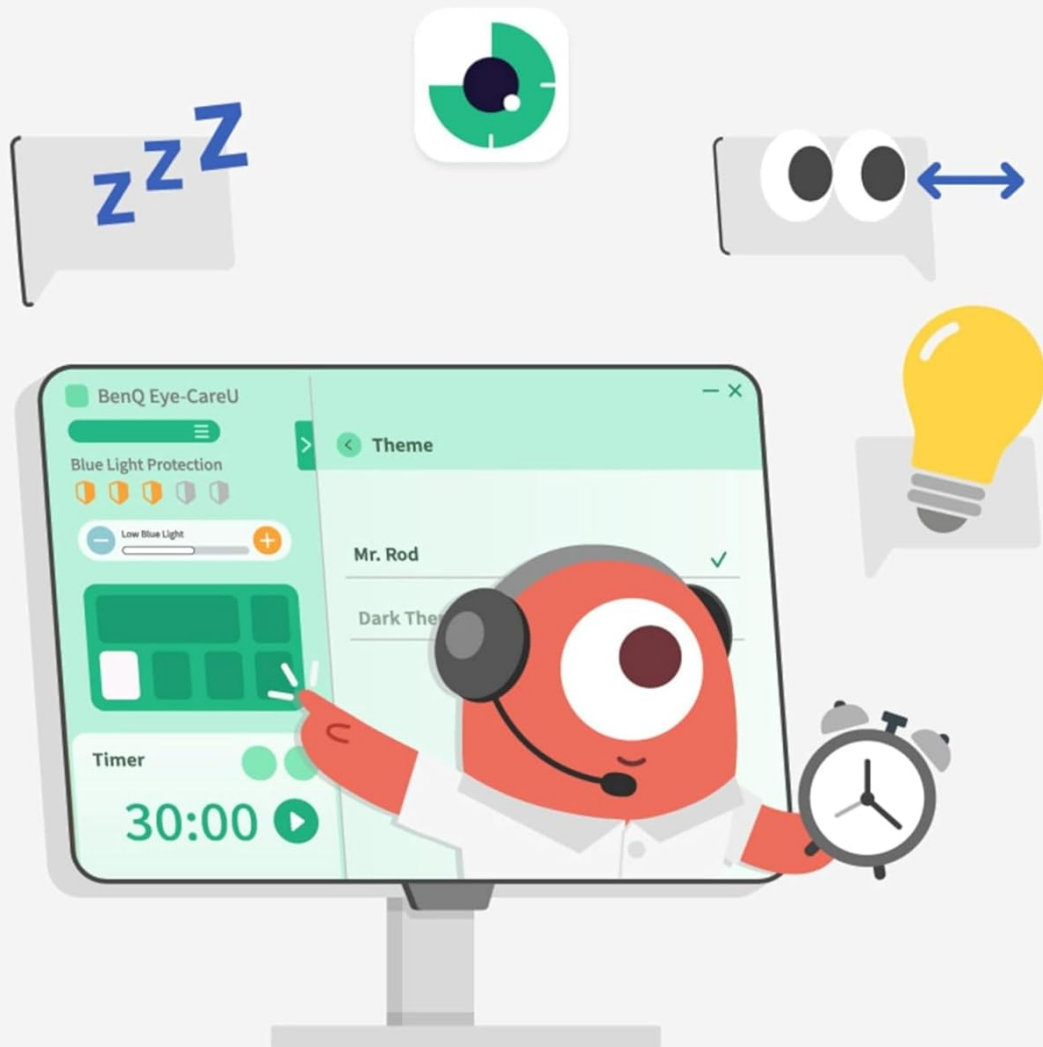


Figure 5.4: BenQ Eye-CareU software for managing eye comfort settings.

## 6. PERFORMANCE FEATURES

### 6.1 100Hz Refresh Rate

The monitor's 100Hz refresh rate provides smoother motion and reduced motion blur compared to standard 60Hz displays, enhancing the experience for fast-paced content, scrolling, and casual gaming.

# 100Hz Smooth Viewing



Figure 6.1: Visual representation of 100Hz smooth viewing.

## 6.2 VESA Certified MediaSync

VESA Certified MediaSync ensures compatibility and optimal performance between the monitor and various media devices such as media players, set-top boxes, and game consoles. This certification guarantees jitter-free playback and proper functioning of features like HDR and variable refresh rates.

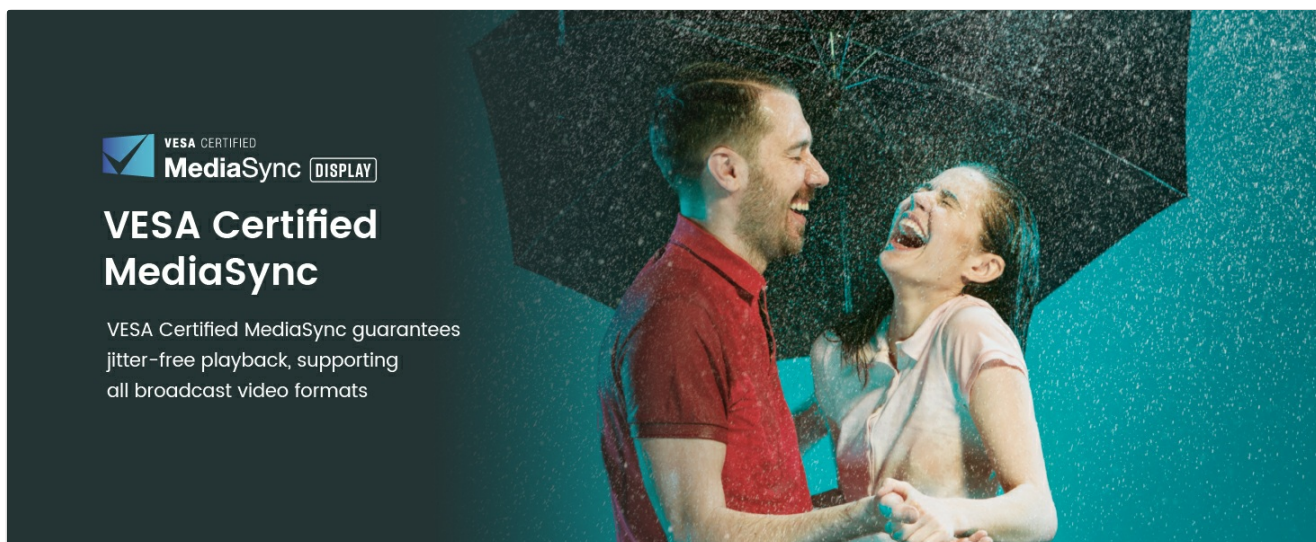


Figure 6.2: VESA Certified MediaSync for jitter-free media playback.

## 7. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your BenQ GW2790 monitor.

- **Cleaning the Screen:** Gently wipe the screen with a soft, lint-free cloth. For stubborn marks, lightly dampen the cloth with water or a non-abrasive, monitor-safe cleaning solution. Do not spray liquid directly onto the screen.
- **Cleaning the Casing:** Use a soft, dry cloth to wipe the monitor casing. Avoid using strong detergents or abrasive cleaners.
- **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 conserve energy and prolong its lifespan.

## 8. TROUBLESHOOTING

If you encounter issues with your BenQ GW2790 monitor, refer to the following common troubleshooting steps:

- **No Power:**
  - Check if the power cable is securely connected to both the monitor and the power outlet.
  - Ensure the power outlet is functional by testing it with another device.
  - Verify the power button on the monitor is pressed.
- **No Image on Screen:**
  - Confirm that the video cable (HDMI or DisplayPort) is securely connected to both the monitor and your computer/device.
  - Press the Input Key on the monitor to cycle through input sources and select the correct one.
  - Ensure your computer/device is powered on and outputting a video signal.
  - Try connecting the monitor to a different video source or using a different cable to rule out cable or source issues.
- **Image is Blurred or Distorted:**
  - Ensure the monitor's resolution is set to its native resolution (1920 x 1080) in your computer's display settings.

- Check the video cable for damage or loose connections.

- **Colors Appear Incorrect:**

- Adjust color settings through the OSD menu.
- Disable any active display modes (e.g., ePaper Mode, Low Blue Light+) if they are affecting color accuracy for your task.

- **Monitor Keeps Restarting:**

- This could indicate a power supply issue. Ensure the power cable is firmly connected and try a different power outlet.
- If the issue persists, contact BenQ customer support.

For further assistance, please refer to the BenQ support website or contact their customer service.

## 9. SPECIFICATIONS

| Feature                    | Specification                                                              |
|----------------------------|----------------------------------------------------------------------------|
| Brand                      | BenQ                                                                       |
| Model                      | GW2790                                                                     |
| Screen Size                | 27 Inches                                                                  |
| Panel Type                 | IPS                                                                        |
| Resolution                 | 1920 x 1080 (FHD)                                                          |
| Refresh Rate               | 100Hz                                                                      |
| Aspect Ratio               | 16:9                                                                       |
| Color Gamut                | 99% sRGB                                                                   |
| Contrast Ratio             | 1300:1 (Static)                                                            |
| Connectivity               | 2 x HDMI, 1 x DisplayPort                                                  |
| Eye-Care Features          | Brightness Intelligence, Low Blue Light+, Flicker-Free, Eye-CareU Software |
| Special Modes              | Coding Mode, ePaper Mode, Mbook Mode, Color Weakness Mode                  |
| VESA Mount Compatible      | Yes (100x100mm)                                                            |
| Built-in Speakers          | Yes                                                                        |
| Product Dimensions (LxWxH) | 18.2 x 61.2 x 45 Centimeters                                               |
| Item Weight                | 5 kg                                                                       |
| Voltage                    | 240 Volts                                                                  |
| Country of Origin          | China                                                                      |

## 10. WARRANTY AND SUPPORT

The BenQ GW2790 monitor comes with a **3 Years Manufacturer Warranty**. Please retain your proof of purchase for warranty claims.

For technical support, warranty service, or further inquiries, please visit the official BenQ website or contact their customer service department. Contact information can typically be found on the BenQ website or in the Quick Start Guide included with your monitor.

**BenQ Official Website:** [www.benq.com](http://www.benq.com)

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Anonymous

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### 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

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