**NEC MA551**

# NEC MA551 MultiSync Display User Manual

Model: MA551

## INTRODUCTION

This manual provides essential information for the safe and efficient use of your NEC MA551 MultiSync 55-inch Diagonal Class MA Series LED-Backlit LCD Display. This digital signage display features 4K UHD (2160p) resolution, HDR support, and an edge-lit design, delivering crystal clear imagery for various applications. Please read this manual thoroughly before installation and operation.

The NEC MA551 MultiSync Display, a 55-inch 4K UHD LED-Backlit LCD unit, is designed for digital signage applications. The image shows the display rendering a high-resolution autumn landscape with vibrant red and orange foliage framing a serene lake and a snow-capped mountain under a clear sky, demonstrating its visual capabilities.

## SETUP

### 1. Unpacking and Inspection

- Carefully remove the display from its packaging.
- Inspect the display and all accessories for any signs of damage. Contact your vendor immediately if any damage is found.
- Retain the original packaging for future transport or storage.

### 2. Mounting and Placement

- Ensure the mounting surface or stand can support the display's weight (approximately 60.8 pounds).
- The display supports both landscape and portrait orientation for flexible installation.
- Allow adequate ventilation space around the display to prevent overheating.

### 3. Connecting Cables

- Connect the power cable to the display and a grounded electrical outlet.
- Connect video input sources (e.g., HDMI, DisplayPort) to the corresponding ports on the display.
- For external control, connect LAN or RS232C cables as required.

## OPERATING INSTRUCTIONS

### 1. Power On/Off

- Press the power button on the display or remote control to turn the unit on or off.
- Allow a few seconds for the display to initialize.

### 2. Input Selection

- Use the input selection button on the display or remote control to cycle through available video sources.
- Ensure the correct input is selected for the content you wish to display.

### 3. Display Settings

- Access the On-Screen Display (OSD) menu to adjust settings such as brightness, contrast, color temperature, and aspect ratio.
- The display supports HDR compatibility, which can be configured via the OSD menu or source device.
- Utilize the Wide Color Gamut feature for enhanced color reproduction.

### 4. External Control

The MA551 supports bidirectional and full external control via LAN or RS232C, allowing for integration into existing control systems. Refer to the detailed communication protocol documentation for specific commands and setup procedures.

## MAINTENANCE

### 1. Cleaning the Display

- Always power off and unplug the display before cleaning.
- Use a soft, lint-free cloth slightly dampened with water or a non-abrasive, display-safe cleaning solution.
- Do not spray liquid directly onto the screen or frame.

## 2. General Care

- Avoid placing heavy objects on the display.
- Keep the display away from direct sunlight, excessive heat, and moisture.
- Ensure proper ventilation to prevent heat buildup.

# TROUBLESHOOTING

## 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.
- Ensure the power button on the display or remote control has been pressed.

## No Signal

- Confirm that the video input cable (HDMI, DisplayPort) is securely connected to both the display and the source device.
- Verify that the correct input source is selected on the display.
- Test with a different video cable or source device if possible.

## Image Problems (e.g., distorted, flickering)

- Check the resolution and refresh rate settings on your source device to ensure they are compatible with the display's specifications (e.g., 3840x2160 at appropriate refresh rate).
- Ensure video cables are not damaged or excessively long.
- Reset display settings to factory defaults via the OSD menu.

# SPECIFICATIONS

| Feature | Detail |
|---|---|
| Brand | NEC |
| Model Number | MA551 |
| Screen Size | 55 Inches |
| Max Screen Resolution | 3840 x 2160 (4K UHD) |
| Display Technology | LED-Backlit LCD |
| Brightness | 500 cd/m2 |
| HDR Compatibility | Yes |
| Color Gamut | Wide Color Gamut |
| Orientation Support | Landscape and Portrait |

| Feature | Detail |
| --- | --- |
| External Control | LAN, RS232C (Bidirectional and Full Control) |
| Item Weight | 60.8 pounds |
| Product Dimensions (LxWxH) | 56.1 x 9.8 x 36.9 inches |
| Color | Black |

## WARRANTY INFORMATION

NEC provides a limited warranty for the MA551 MultiSync Display. The specific terms and duration of the warranty may vary by region and purchase agreement. Please refer to the warranty card included with your product or visit the official NEC website for detailed warranty information and registration.

Typical warranty coverage includes defects in materials and workmanship under normal use. Damage resulting from misuse, accidents, unauthorized modifications, or improper installation is generally not covered.
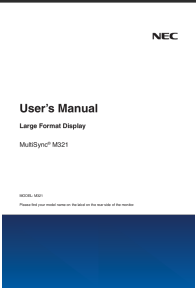
## SUPPORT AND CONTACT

For technical assistance, troubleshooting beyond this manual, or service inquiries, please contact NEC customer support.
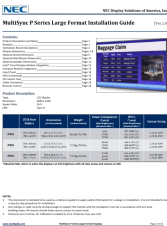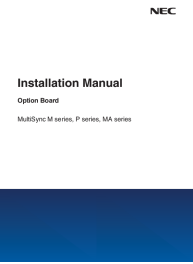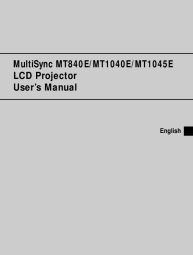
- **Online Support:** Visit the official NEC Display Solutions website for FAQs, driver downloads, and support resources.
- **Telephone Support:** Refer to your product documentation or the NEC website for regional contact numbers.
- When contacting support, please have your product model (MA551) and serial number ready.

## Related Documents - MA551



[NEC MultiSync M321 User Manual: Large Format Display Guide](#)
This comprehensive user manual provides detailed instructions for the NEC MultiSync M321 Large Format Display, covering installation, operation, advanced features, troubleshooting, and technical specifications for optimal use.

**NEC MultiSync E224Wi and E243WMi Desktop Monitor User's Manual**

User's manual for NEC MultiSync E224Wi and E243WMi desktop monitors. Covers setup, operation, safety, specifications, troubleshooting, and energy saving features.

**NEC MultiSync LCD4010 / LCD4610 User's Manual**

User's manual for NEC MultiSync LCD4010 and LCD4610 LCD Colour Monitors, providing setup instructions, operation guides, safety precautions, and troubleshooting tips.

**NEC MultiSync P Series Large Format Displays Installation Guide**

Comprehensive installation guide for NEC MultiSync P Series large format displays (P435, P495, P555), covering product specifications, dimensions, mounting, ventilation, and connectivity options.

**NEC MultiSync M, P, MA Series Option Board Installation Manual**

Installation manual for NEC MultiSync M, P, and MA series displays, detailing the safe and proper installation of option boards, including safety precautions and step-by-step instructions.

**NEC MultiSync MT840E/MT1040E/MT1045E LCD Projector User's Manual**

User's manual for the NEC MultiSync MT840E, MT1040E, and MT1045E LCD projectors, covering setup, operation, maintenance, troubleshooting, and specifications.