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> NEC MultiSync M651-PT 65-inch PCAP Touchscreen Display User Manual

NEC M651-PT

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Model: M651-PT | Brand: NEC

1. INTRODUCTION

This manual provides essential information for the safe and efficient use of your NEC MultiSync M651-PT 65-inch PCAP Touchscreen Display. Please read this manual thoroughly before operating the device and retain it for future reference. This display is designed for professional digital signage applications, offering high-quality visuals and advanced PCAP touch functionality.

2. SAFETY INFORMATION

- Power Supply:** Use only the power cord supplied with the display or an approved replacement. Ensure the power outlet is properly grounded.
- Ventilation:** Do not block ventilation openings. Ensure adequate space around the display for proper airflow to prevent overheating.
- Liquid and Moisture:** Keep the display away from liquids. Do not expose it to rain or moisture. If liquid enters the display, disconnect power immediately and contact qualified service personnel.
- Cleaning:** Always disconnect the power cord before cleaning. Use a soft, dry cloth. Avoid abrasive cleaners or solvents.
- Mounting:** Ensure the display is securely mounted using appropriate VESA-compatible hardware and following all installation instructions. Due to its weight, professional installation is recommended.
- Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package. If any items are missing or damaged, contact your vendor immediately.

- NEC MultiSync M651-PT Display Unit
- Power Cable
- HDMI Cable
- USB Cable (for touch functionality)
- Remote Control with Batteries
- User Manual (this document)
- Warranty Card

4. SETUP

4.1 Unpacking

1. Carefully open the packaging and remove the display. It is recommended to have at least two people for handling due to the size and weight.
2. Place the display on a soft, flat surface to avoid scratching the screen.
3. Remove all protective films and packaging materials.

4.2 Mounting

The NEC M651-PT supports VESA mount standard 400 x 400. Ensure the mounting solution can support the display's weight (approximately 169 lbs / 76.7 kg).

1. Attach the VESA-compatible wall mount or stand to the rear of the display using appropriate screws.
2. Securely mount the display to the desired location, ensuring it is level and stable.

4.3 Connecting Cables

Connect the necessary cables to the display's input ports. The display features HDMI, DisplayPort, Ethernet, and USB connectivity.

1. **Video Input:** Connect an HDMI or DisplayPort cable from your source device to the corresponding input port on the display.
2. **Touch Functionality:** Connect the USB cable from your source device to the USB-B port on the display to enable PCAP touch functionality.
3. **Network (Optional):** Connect an Ethernet cable for network control or content delivery, if applicable.
4. **Power:** Connect the power cable to the display's AC inlet, then plug the other end into a grounded power outlet.

4.4 Initial Power On

1. Press the power button on the display or the remote control to turn on the unit.
2. The display will power on and show the NEC logo, followed by the input source.
3. If no signal is detected, the display may show a 'No Signal' message. Ensure your source device is powered on and correctly connected.



Figure 1: The NEC MultiSync M651-PT 65-inch PCAP Touchscreen Display in a typical digital signage scenario. The screen displays a vibrant image of a family in a shopping mall, overlaid with four interactive touch buttons at the bottom: 'Guest Services' (represented by a star icon), 'Search' (magnifying glass icon), 'Restrooms' (male and female figures icon), and 'Restaurant' (spoon and fork icon). The display is shown in a landscape orientation, highlighting its interactive capabilities for public information or wayfinding.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off

- To turn on the display, press the **POWER** button on the remote control or the display's control panel.
- To turn off the display, press the **POWER** button again. The display will enter standby mode.

5.2 Basic Touchscreen Operation

The PCAP (Projected Capacitive) touchscreen supports up to 40 points of touch.

- **Tap:** Lightly touch the screen with your finger to select an item or activate a function.
- **Drag:** Touch an item and slide your finger across the screen to move it.
- **Pinch/Spread:** Use two fingers to zoom in or out on content.
- **Swipe:** Quickly slide your finger across the screen to scroll through content or navigate pages.

5.3 Input Source Selection

To switch between different video input sources:

1. Press the **INPUT** button on the remote control or the display's control panel.
2. Use the arrow keys to navigate through the available input sources (e.g., HDMI 1, HDMI 2, DisplayPort).
3. Press **ENTER** or **OK** to select the desired input.

5.4 Menu Navigation

The On-Screen Display (OSD) menu allows you to adjust various display settings.

1. Press the **MENU** button on the remote control or the display.
2. Use the arrow keys to navigate through menu options.
3. Press **ENTER** or **OK** to select a sub-menu or confirm a setting.
4. Use the arrow keys to adjust values or select options.
5. Press **MENU** again or **EXIT** to close the OSD menu.

5.5 Display Settings

Key settings accessible via the OSD menu include:

- **Picture:** Brightness, Contrast, Sharpness, Color Temperature.
- **Audio:** Volume, Mute.
- **Input:** Input source selection, aspect ratio.
- **Advanced:** Power management, OSD language, factory reset.

6. MAINTENANCE

6.1 Cleaning the Display

Regular cleaning helps maintain optimal performance and appearance.

1. Turn off the display and disconnect the power cable.
2. Use a soft, lint-free cloth slightly dampened with water or a non-abrasive, ammonia-free glass cleaner.
3. Gently wipe the screen and frame. Do not spray cleaner directly onto the screen.
4. Allow the display to dry completely before reconnecting power.

6.2 Software Updates

Periodically check the NEC support website for firmware updates to ensure your display has the latest features and performance enhancements. Follow the instructions provided with the update package carefully.

7. TROUBLESHOOTING

This section addresses common issues you might encounter. For problems not listed here, contact NEC technical support.

Problem	Possible Cause	Solution
No power	Power cable disconnected; Power outlet faulty	Ensure power cable is securely connected; Test power outlet with another device.

Problem	Possible Cause	Solution
No image on screen	Incorrect input source selected; Video cable loose or faulty; Source device off	Select correct input source; Check video cable connections; Ensure source device is powered on.
Touchscreen not responding	USB cable for touch not connected; Driver issue on source device	Ensure USB cable is connected between display and source; Install or update touch drivers on your PC.
Image is distorted or blurry	Incorrect resolution; Faulty video cable	Set source device resolution to 3840 x 2160; Try a different video cable.

8. SPECIFICATIONS

Detailed technical specifications for the NEC MultiSync M651-PT display.

Feature	Specification
Brand	NEC
Model Name	M651-PT
Screen Size	65 Inches
Display Resolution	3840 x 2160 pixels (4K UHD)
Max Screen Resolution	3840 x 2160 pixels
Display Type	LCD with Edge LED Backlight
Touchscreen Type	PCAP (Projected Capacitive), 40-point multi-touch
Brightness	500 Nit
Dynamic Contrast Ratio	8,000:1
Connectivity	2x HDMI, 1x DisplayPort, Ethernet, USB, Serial
VESA Mount Standard	400 x 400 mm
Item Weight	169 pounds (approx. 76.7 kg)
Package Dimensions	68 x 41 x 11 inches
Computer Memory Type	DDR3 SDRAM (Integrated)
Orientation Support	Landscape and Portrait

9. WARRANTY AND SUPPORT

NEC provides a standard warranty for the MultiSync M651-PT display. Please refer to the warranty card included in your

package for specific terms and conditions, including coverage duration and limitations. For technical support, service, or warranty claims, please contact your authorized NEC dealer or visit the official NEC Display Solutions website for contact information and resources.

Online Resources: For the latest drivers, firmware updates, and additional support documentation, please visit the official NEC Display Solutions website.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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