

# SHARP

**PN-ME432**  
**PN-ME502**  
**PN-ME552**  
**PN-ME652**

MultiSync® ME Series  
Large Format Displays



Commercial Displays Ideal for Digital Signage Applications

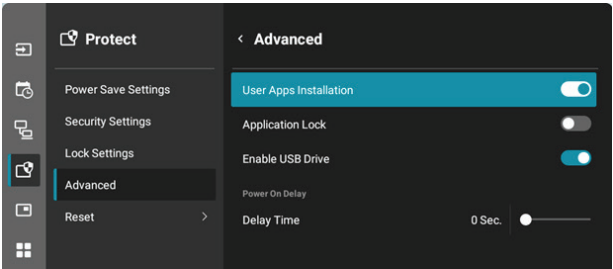


# Cost-conscious digital signage product line

Bring high visual quality when your content matters most for retail, education and corporate installations.

## Powerful System-on-Chip Design to Fit Your Signage Needs

Create pixel-perfect imagery at a cost-conscious price point with the new fully commercial Sharp ME Series large format displays. By focusing on bringing high-powered, integrated and easy-to-use media playback to the customer while maintaining the proven reliability and quality of the previous products, the ME series gives customers a reliable mainstream display to fit all of their digital signage needs. The flexible system-on-chip platform not only allows for high-end media playback via USB or internal storage but since these products are powered by Android 13, they also allow the ability to install separate APK's if a third-party application needs to be installed. On top of this, the updated OSD design includes new and legacy functionality within a brand new aesthetically appealing and stylistic approach.



## High-End Visual Quality

By supporting native 3840 x 2160 resolution with full HDR compatibility across the entire ME series lineup, imagery and messaging will be more vivid and lifelike than ever before! On top of that, the new high haze panels scatter incidental light that would otherwise take away from messaging shown on the display. This allows your message to be clear and visible in areas where ambient light would usually take away from what really matters most – your content.



## Full Commercial Build

Full metal chassis allows for the ruggedness needed for true commercial environments while integrated carrying handles reduce the likelihood of damage during installation. On top of that, an integrated temperature sensor allows you to monitor internal temperatures in real time. The newly designed mechanical build focused on maintaining reliability while reducing the overall weight of each model compared to predecessor models. These units are up to 33% lighter than previous models. Additionally, these products have an even bezel design along all four sides meaning that the focus will always be on the content on the screen when in either portrait or landscape orientation.



## Optional Wireless Module (SI07B)

Upgrade your PN-MExx2 displays by adding wireless connectivity to your product. This slot-in module will be auto-detected by your PN-MExx2 display enabling Wifi6 functionality along with 802.1x cyber security features.

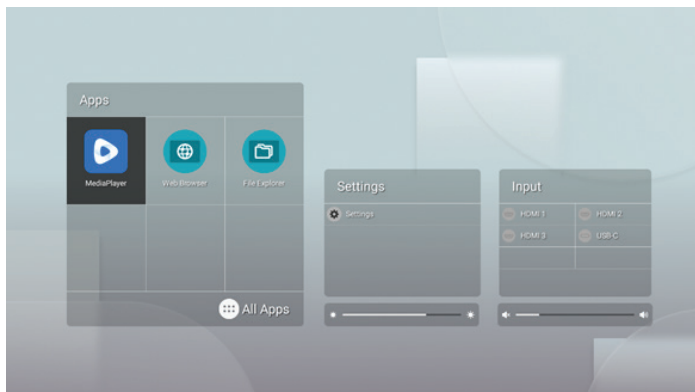


|                      |                     |
|----------------------|---------------------|
| Wifi Standards:      | 802.11ac/b/g/n/a/ax |
| Operating Frequency: | 2.4Ghz/5Ghz         |
| Operating Range:     | 10 / 32.8ft         |



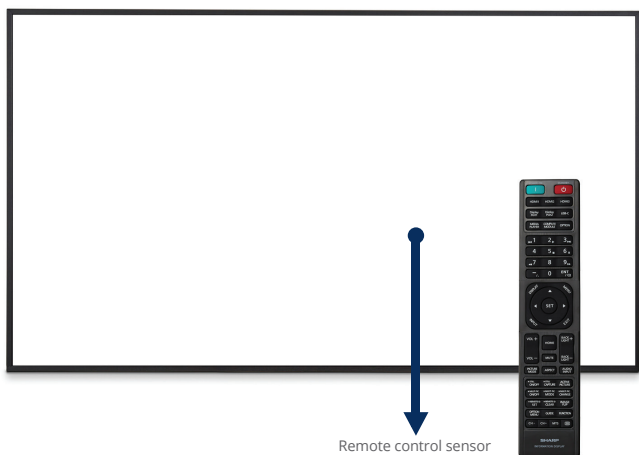
## Home Screen Launcher

The MultiSync MExx2 products boot up into a home screen that gives you visual access to app, key settings and input changes right from the start. Integrated web browser functionality can be used for internet access and streaming and File Explorer can be used for navigating through internal or external storage drives. The integrated Media Player gives you access to load files to internal storage or play via USB while content can be scheduled and playlists can be built dependent on when your display is running and what content needs to be shown.



## Center IR Receiver

An IR receiver is located behind the panel allowing protective overlays or touch to be integrated over the top without needing to worry about how to extend IR for control.



## Control Protocol Support

The new Sharp MultiSync MExx2 contains protocol support for both NEC and Sharp legacy products. This means that if you have to replace either an NEC or Sharp product from a previous install, these units can be seamlessly flipped into an existing infrastructure. On top of this, these units support other various protocols dependent on the needs of the application.

## NaViSet Administrator 2

NaViSet Administrator 2 is included in all Sharp MultiSync MExx2 models. This software is an all-in-one remote support solution that runs from a central location and provides monitoring, asset management and control functionality of Sharp and NEC display devices and Windows computers. It is ideal for multi-device installations over arrays as it allows for task management, reporting and on-demand control options. Control your entire Sharp and NEC ecosystem through this free optional asset management software!



## Integrated USB Hub

Each PN-MExx2 product contains an integrated USB hub where the USB-C input not only allows for DP-Alt mode capabilities but also provides an upstream data connection. This can be coupled with a USB-A downstream connection in order to allow for control over whatever peripherals are connected into this terminal. This integrated feature helps with lowering the cost of other supplies necessary that would otherwise be necessary to achieve this type of configuration.



## Input Detect Functionality

This feature allows for the customer to prioritize up to 3 inputs so that if a primary source goes down, the display will automatically switch to whatever the customer has prioritized next. The first detect option also allows for the display to automatically turn onto any source that plugs into it, allowing the display to wake on any synced signal.



### Typical Display

If the source fails, this results in a blank screen



### ME Series

If the source fails, the display automatically switches to the next prioritized source, allowing for zero down time on the display

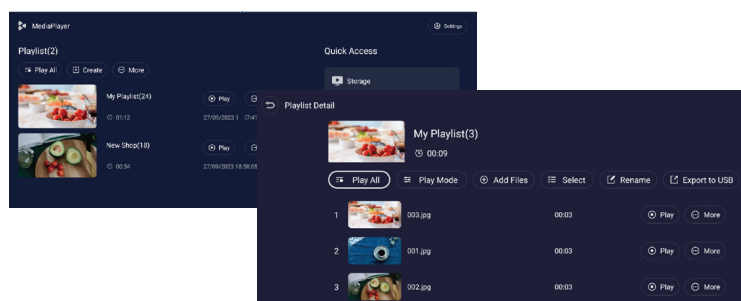


### First Detect

Setting the display to First Detect would allow for the display to automatically turn on when any source is plugged into it.

## Integrated Media Player

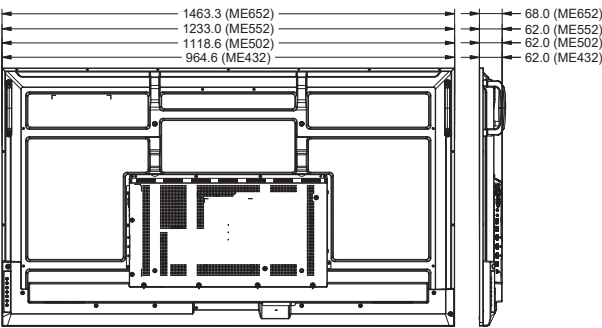
Build playlists, schedule and play content through high-end integrated media player via integrated storage or USB.





Specifications

| LCD MODULE               | Panel Technology                             |                      | ADS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | VA                                                  | ADS                                                 | ADS                                                 |
|--------------------------|----------------------------------------------|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|
|                          | Viewable Image Size                          |                      | 43" Class<br>(42.5" diagonal)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 50"<br>(49.5" diagonal)                             | 55"<br>(54.6" diagonal)                             | 65"<br>(64.5" diagonal)                             |
|                          | Native Resolution                            |                      | 3840 x 2160                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                     |                                                     |                                                     |
|                          | Brightness                                   |                      | 400 cd/m <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 450 cd/m <sup>2</sup>                               |                                                     |                                                     |
|                          | Contrast Ratio (Typical)                     |                      | 1200:1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 5000:1                                              | 1200:1                                              |                                                     |
|                          | Viewing Angle                                |                      | 178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                     |                                                     |                                                     |
|                          | Aspect Ratio                                 |                      | 16:9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                     |                                                     |                                                     |
|                          | Displayable Colors                           |                      | Over 1.07 Billion (8 bit + FRC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                     |                                                     |                                                     |
|                          | Orientation                                  |                      | Landscape and Portrait (CW Rotation)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                     |                                                     |                                                     |
| Panel Haze (%)           |                                              | 25 (Anti-Reflective) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                     |                                                     |                                                     |
| CONNECTIVITY             | Input<br>Terminals                           | Digital              | HDMI 2.0 x3, USB-C x1 (DP-Alt Mode Supported)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                     |                                                     |                                                     |
|                          |                                              | Analog               | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                     |                                                     |                                                     |
|                          |                                              | Audio                | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                     |                                                     |                                                     |
|                          |                                              | External Control     | LAN (1000Mbit), 3.5mm Mini Jack IR Remote, RS-232C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                     |                                                     |                                                     |
|                          | Output<br>Terminals                          | Data                 | USB 3.0 x1 (5V/0.9A, Downstream), USB 2.0 x1 (5V/0.5A, Downstream), USB 3.0 x1 (Downstream for USB-C), USB-C x1 (Upstream)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                     |                                                     |                                                     |
|                          |                                              | Digital              | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                     |                                                     |                                                     |
|                          |                                              | Analog               | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                     |                                                     |                                                     |
|                          |                                              | Audio                | 3.5mm Mini Jack, SPDIF Optical                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                     |                                                     |                                                     |
| External Control         |                                              | N/A                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                     |                                                     |                                                     |
| POWER CONSUMPTION        | On (Typ/Max Brightness/<br>All Max)          |                      | 90W/110W/175W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 85W/105W/170W                                       | 120W/150W/220W                                      | 140W/175W/240W                                      |
|                          | Network Standby                              |                      | 2W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                     |                                                     |                                                     |
|                          | Normal Standby                               |                      | <0.5W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                     |                                                     |                                                     |
|                          | Current Rating                               |                      | 2.2A - 0.9A @ 100V<br>- 240V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2.0 - 0.8A @ 100V<br>- 240V                         | 2.6 - 1.1A @ 100V<br>- 240V                         | 3.1 - 1.3A @ 100V<br>- 240V                         |
|                          | Speaker Rating                               |                      | Integrated 10W x 10W, Optional through SP-RM3a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                     |                                                     |                                                     |
| PHYSICAL SPECIFICATIONS  | Bezel Width (L/R, T/B)                       |                      | 9.9mm/9.9mm/<br>9.9mm/9.9mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                     |                                                     | 15.9mm/15.9mm/<br>15.9mm/15.9mm                     |
|                          | Net Dimensions<br>(Without stand; W x H x D) |                      | 38.0 x 21.8 x 2.4 in.<br>964.6 x 552.5 x<br>62.0mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 44.0 x 25.2 x 2.4 in.<br>1118.6 x 639.2 x<br>62.0mm | 48.5 x 27.7 x 2.4 in.<br>1233.0 x 703.5 x<br>62.0mm | 57.6 x 33.0 x 2.7 in.<br>1463.3 x 838.3 x<br>68.0mm |
|                          | Net Weight                                   |                      | 9.4kg / 20.7lbs.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 11.7kg / 25.8lbs.                                   | 13.2kg / 29.1lbs.                                   | 23.9lg / 52.7lbs.                                   |
|                          | VESA Hole Configuration                      |                      | 4x M6 x 14mm (200<br>x 200)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 4x M6 x 14mm (400 x 400)                            |                                                     |                                                     |
| INTERNAL PLAYER          | Operating System                             |                      | Android 13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                     |                                                     |                                                     |
|                          | Processor                                    |                      | ARM Cortex-A55 1.5GHz Quad Core CPU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                     |                                                     |                                                     |
|                          | Storage                                      |                      | 32GB ROM (Total Capacity of Storage including OS)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                     |                                                     |                                                     |
|                          | Memory                                       |                      | 4GB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                     |                                                     |                                                     |
| SENSORS                  | Ambient Light Sensor                         |                      | Integrated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                     |                                                     |                                                     |
|                          | Human Sensor                                 |                      | Optional (KT-RC3)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                     |                                                     |                                                     |
|                          | Temperature Sensor                           |                      | Integrated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                     |                                                     |                                                     |
|                          | NFC Sensor                                   |                      | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                     |                                                     |                                                     |
| ENVIRONMENTAL CONDITIONS | Operating Temperature                        |                      | 0° - 40° C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                     |                                                     |                                                     |
|                          | Operating Humidity                           |                      | 20-80%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                     |                                                     |                                                     |
|                          | Operating Altitude                           |                      | 5,000m (16,405ft)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                     |                                                     |                                                     |
| LIMITED WARRANTY         |                                              |                      | 5 years Advanced Replacement (July 1st, 2026 sales onwards)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                     |                                                     |                                                     |
| ADDITIONAL FEATURES      |                                              |                      | AMX Support, Automated Email Alert Function, CEC Support through all HDMI Connections, ARC through HDMI1, Display Browser Control, Display Wall Calibrator Compatible, HDR Compatible (PQ, HLG, HDR10), Updated OSD Design, MediaPlayer for Android , NaViSet Administrator 2 Compatible, Screen Rotation for Portrait (Home only), Powered USB Ports (5V/3A x1, 5V/2A x2, 5V/0.5A x1), Real Time Clock, Full Scheduler, Quick Start, TileMatrix (5x5), Cisco Webex Compatible (Running Change), Crestron Connected V2 (FW Version 1.2.10 or later), SNMP (Running Change), Integrated Temperature sensor, Full Input Detect Functionality (First, Last, Custom), Integrated Ambient Light Sensor, Programmable Gamma, Color Temperature Adjustment (2600K - 10000K), Energy Star 8.0, Vacation Switch |                                                     |                                                     |                                                     |
| SHIPS WITH               |                                              |                      | 3m AC Power Cord, 2.0m HDMI Cable, IR Remote Control, Batteries, AAA batteries                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                     |                                                     |                                                     |
| Optional Speakers        |                                              |                      | SP-RM3a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                     |                                                     |                                                     |
| Optional Stand           |                                              |                      | ST-43M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                     |                                                     | ST-65M                                              |
| Other Accessories        |                                              |                      | Human Sensor (KT-RC3), Wifi Module (SI07B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                     |                                                     |                                                     |



Tabletop Stand

ST-43M (ME432/ME502/ME552)  
ST-65M (ME652 - not pictured)



Wall Mount

WMK-3298T  
WMK-7598T (For PN-ME652)



Left Side Connectivity

Input Panels

- Optical Audio Out (SPDIF)
- LAN (1000MB)
- RS-232C
- Audio Mini-Jack Out
- IR Remote In (Mini-Jack)
- USB 2.0
- USB 3.0
- HDMI 1 (ARC) In
- HDMI 2 In
- HDMI 3 In
- USB 3.0 (Downstream)
- USB-C Port (5V/3A, Upstream & DP Alt Mode)
- Optional slot for WiFi Receiver



Right Side Connectivity



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