MultiSync Sharp PN-MExx2 Large Format Installation Guide

[Ver.1.2]

Contents:

•••••••	
Product Description and Notes	Page 1
Rotation	Page 1
Ventilation Recommendations	Page 2
Display Dimensions	Pages 3-16
Optional Stand	Page 17-18
Optional Wall Mount Dimensions	Page 19-20
Optional Speaker Dimensions	Page 21
Input Panel	Page 22
PD Comms Tool	Page 23
Cable Connection	Page 23
Command Format and Browser Control	Page 24

Product Description:

Туре:	LCD Display
Resolution:	3840 x 2160
Aspect Ratio:	16:9
EMI:	Class B

	Dimensions (without stand)	Weight (without stand)	VESA Pattern	Power Consumption (Typical) (Max Brightness) (Absolute Max*)	BTU's (Typical) (Max Brightness) (Absolute Max*)
PN-ME432	964.6 x 552.5 x 62.0mm 37.98 x 21.75 x 2.44 in.	9.4kg. / 20.7lbs.	200mm x 200mm (M6 x 14)	90W 110W 175W	307.09 BTU/hr 375.34 BTU/hr 597.12 BTU/hr
PN-ME502	1118.6 x 639.2 x 62.0mm 44.04 x 25.17 x 2.44 in.	11.7kg. / 25.8lbs.	400mm x 400mm (M6 x 14)	85W 105W 170W	290.03 BTU/hr 358.27 BTU/hr 580.06 BTU/hr
PN-ME552	1233.0 x 703.5 x 62.0mm 48.54 x 27.70 x 2.44 in.	13.2kg. / 29.1lbs.	400mm x 400mm (M6 x 14)	120W 150W 220W	409.46 BTU/hr 511.82 BTU/hr 750.67 BTU/hr
PN-ME652	1463.3 x 838.3 x 68.0mm 57.61 x 33.00 x 2.68 in.	23.9kg. / 52.7lbs.	600mm x 400mm (M8 x 14)	140W 175W 240W	477.70 BTU/hr 597.12 BTU/hr 818.91 BTU/hr
PN-ME752	1685.6 x 963.7 x 680mm 66.36 x 937.94 x 2.68 in.	34.3kg. / 75.6lbs.	800 x 600 (M8 x 18).	132W 190W 300W	450.40 BTU/hr 647.9 BTU/hr 1023 BTU/hr
PN-ME862	1930.8 x 1101.7 x 68.0mm 76.02 x 43.37 x 2.68 in.	42.0kg. / 92.6lbs	800 x 600 (M8 x 18).	163W 295W 405W	555.83 BTU/hr 1005.95 BTU/hr 138105 BTU/hr
PN-ME982	2198.9 x 1254.6 x 68.6mm 86.57 x 49.39 x 2.7 in.	54.5kg. / 120.2lbs.	800 x 600 (M8 x 16).	206W 334W 444W	702.46 BTU/hr 1138.94 BTU/hr 1514.04 BTU/hr

*Absolute Max refers to when the display is at full brightness and volume at 100.

NOTES:

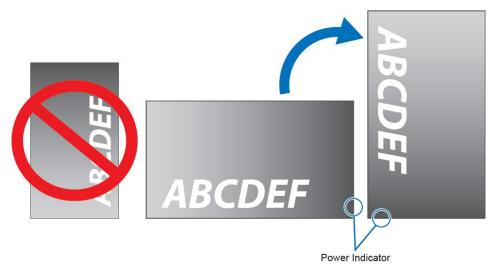
- This document is intended to be used as a reference guide to supply useful information for a design or installation. It is not intended to be a step-by step procedure for installation.
- Any ceilings or walls must be strong enough to support the monitor and the installation must be in accordance with any local building codes. All mounts should make secure contact to wood studs.
- Distances are in inches, for millimeters multiply by 25.4. Distances may vary ±5%.

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MultiSync PN-MExx2 Large Format Displays

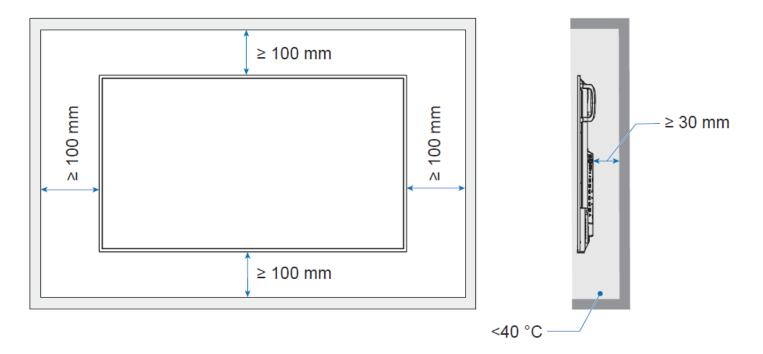
Rotation:

• If display is to be used in portrait orientation, rotation needs to be clockwise.



Ventilation Recommendations:

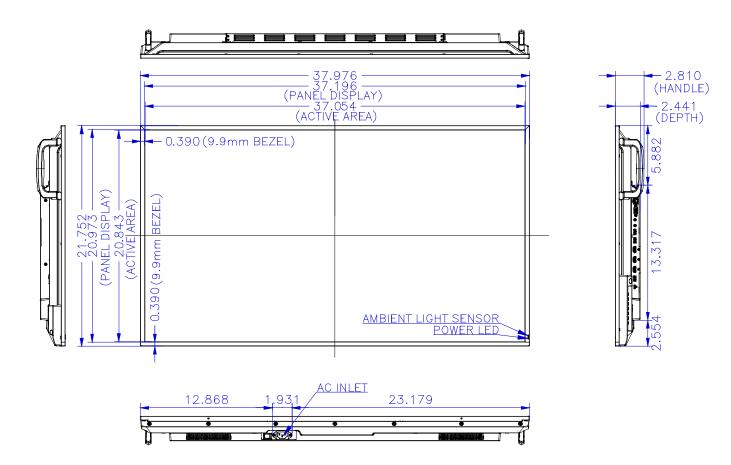
Dimensions below are minimum recommended for proper ventilation:



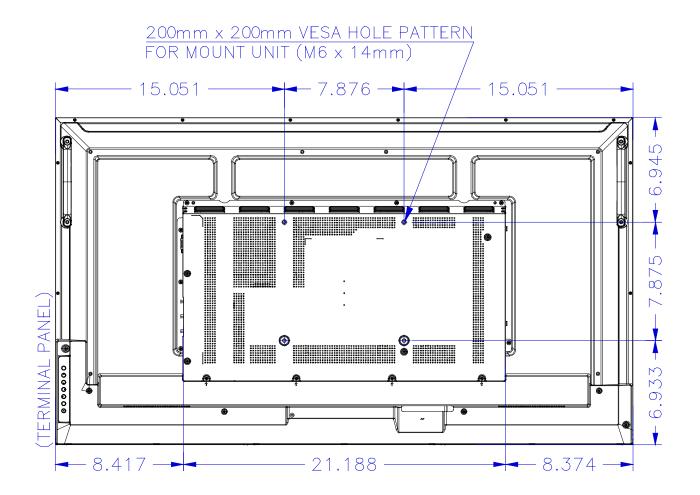
NOTE:

• The above are recommendations in order to keep your display as cool as possible. If the distances are less than the 100mm, extra ventilation may be necessary. The ventilation space should not be covered or closed off at the front of the opening. If for some reason the opening needs to be covered, other means of ventilation will need to be incorporated into the design. Contact NEC for design review and recommendations.

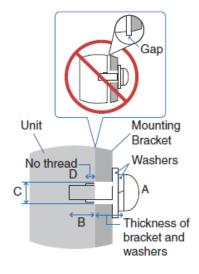
Display Dimensions – PN-ME432:



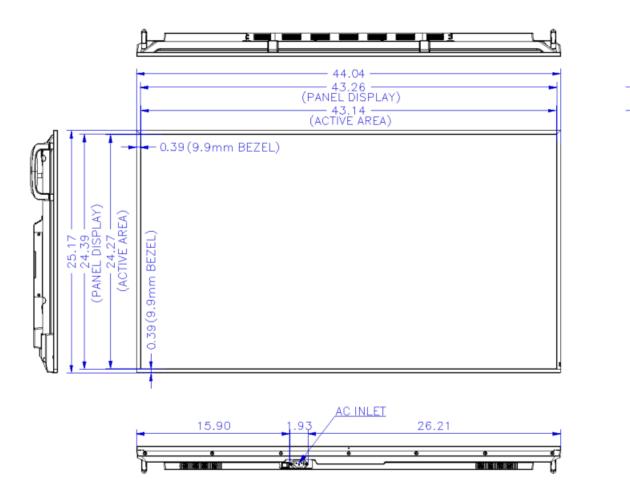
Display Dimensions – PN-ME432 cont'd:

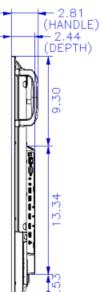


Sharp strongly recommends using size M6 screws (14mm + the thickness of the bracket and washers in length).

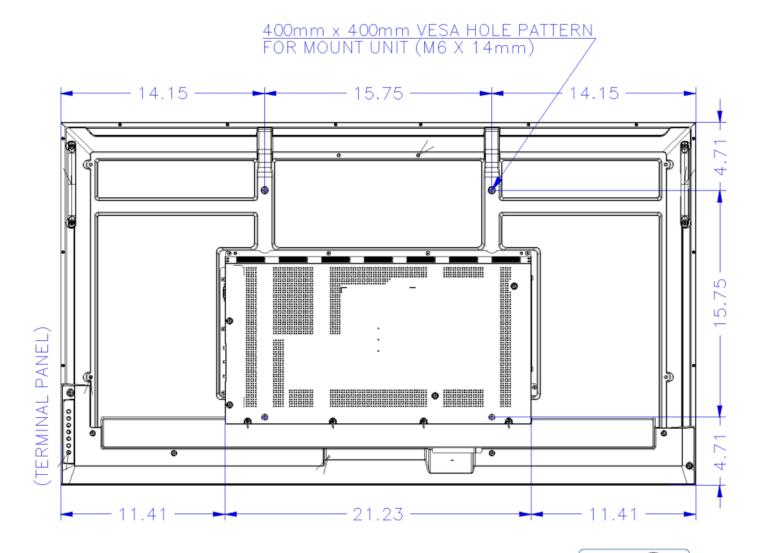


Display Dimensions – PN-ME502:

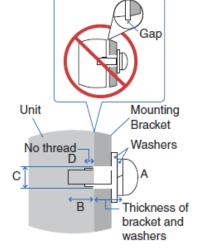




Display Dimensions – PN-ME502 cont'd:

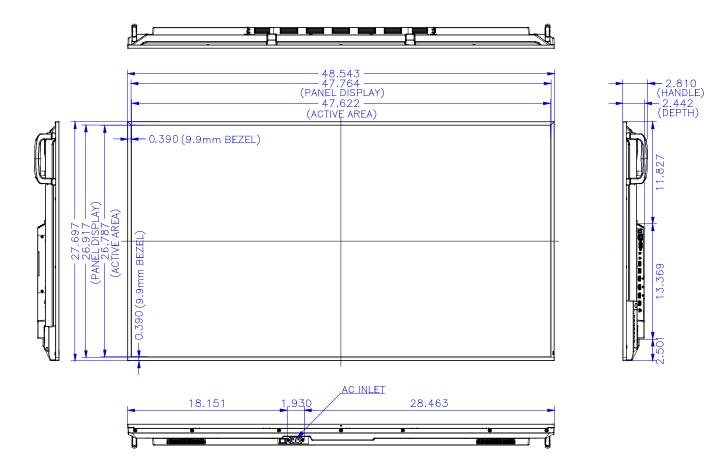


Sharp strongly recommends using size M6 screws (14mm + the thickness of the bracket and washers in length).

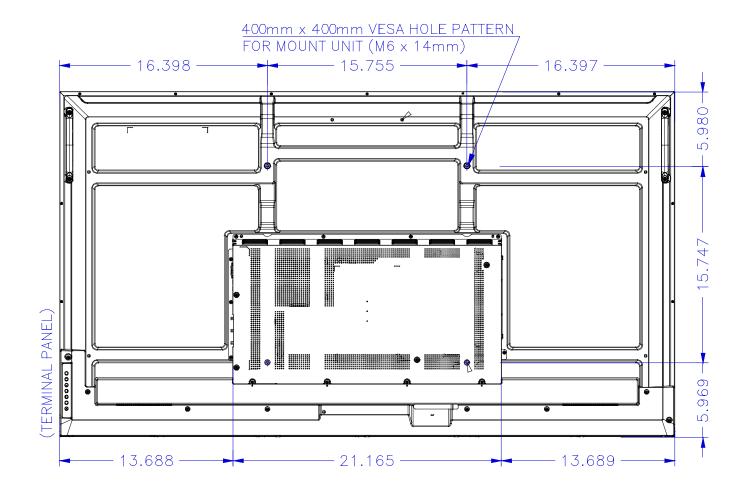




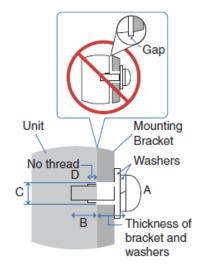
Display Dimensions – PN-ME552:



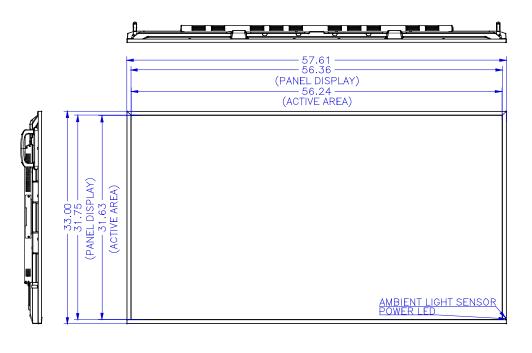
Display Dimensions – PN-ME552 cont'd:

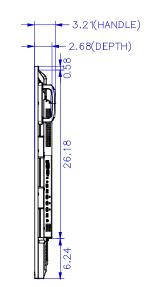


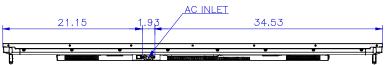
Sharp strongly recommends using size M6 screws (14mm + the thickness of the bracket and washers in length).



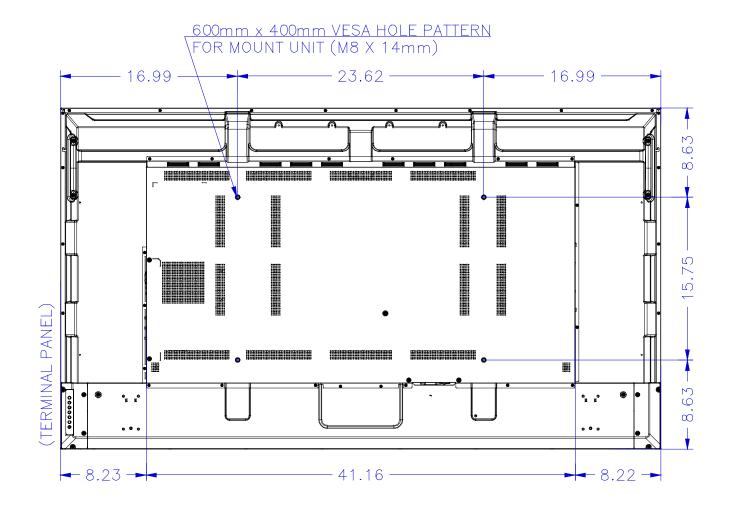
Display Dimensions – PN-ME652:



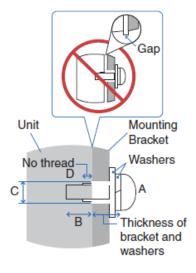




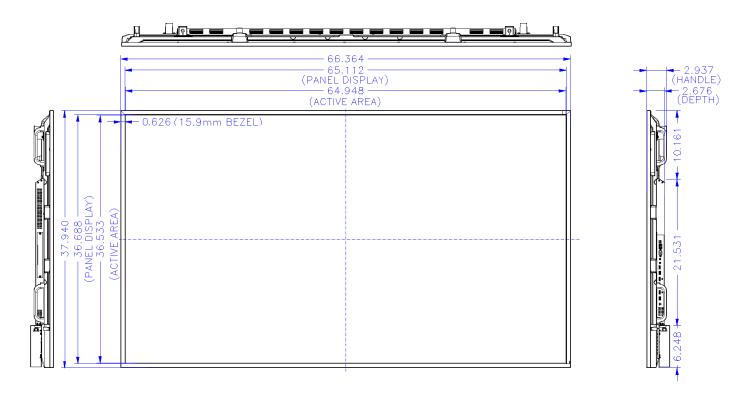
Display Dimensions – PN-ME652 (cont'd):

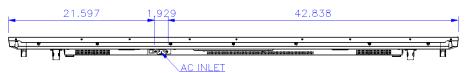


Sharp strongly recommends using size M8 screws (14mm + the thickness of the bracket and washers in length).

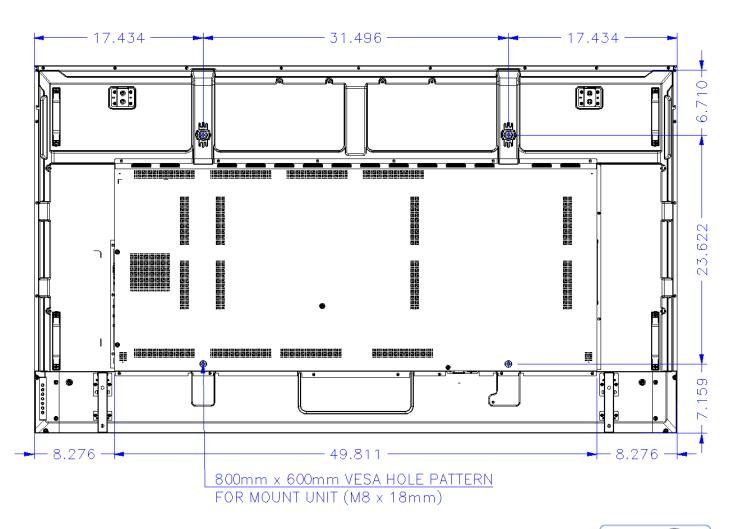


Display Dimensions – PN-ME752:

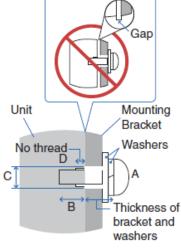




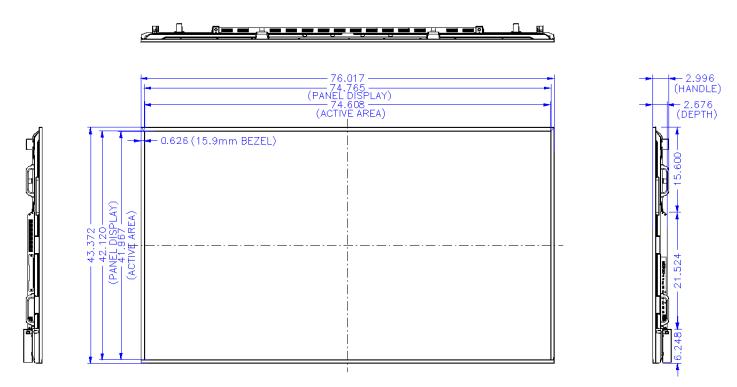
Display Dimensions – PN-ME752 (cont'd):



Sharp strongly recommends using size M8 screws (18mm + the thickness of the bracket and washers in length).

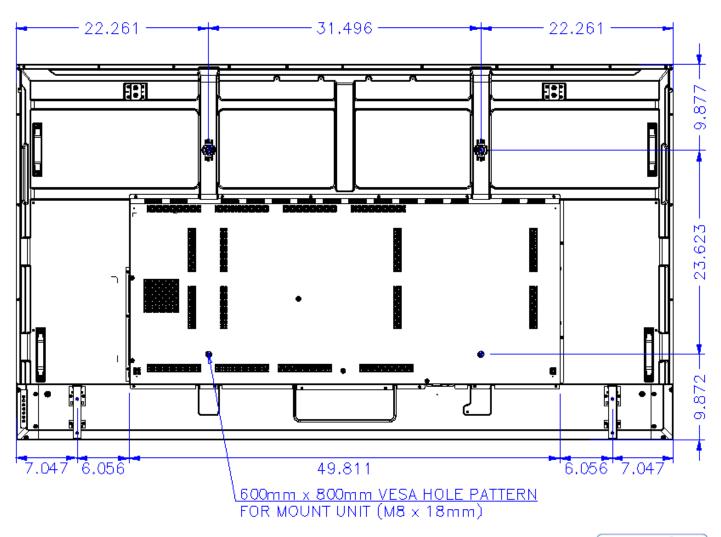


Display Dimensions – PN-ME862:

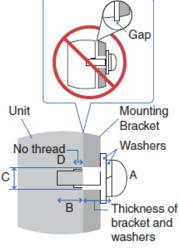




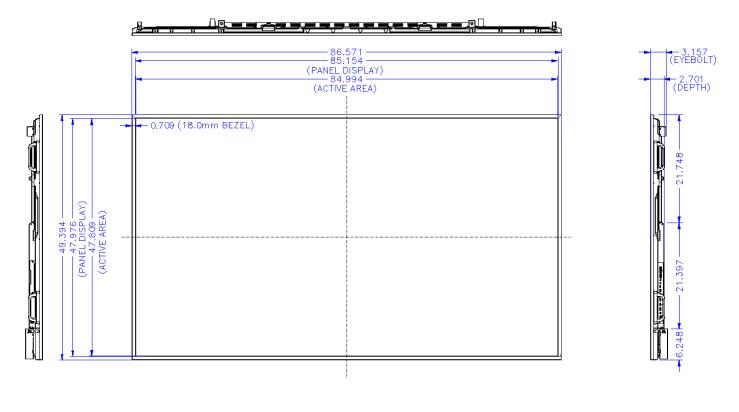
Display Dimensions – PN-ME862:



Sharp strongly recommends using size M8 screws (18mm + the thickness of the bracket and washers in length).



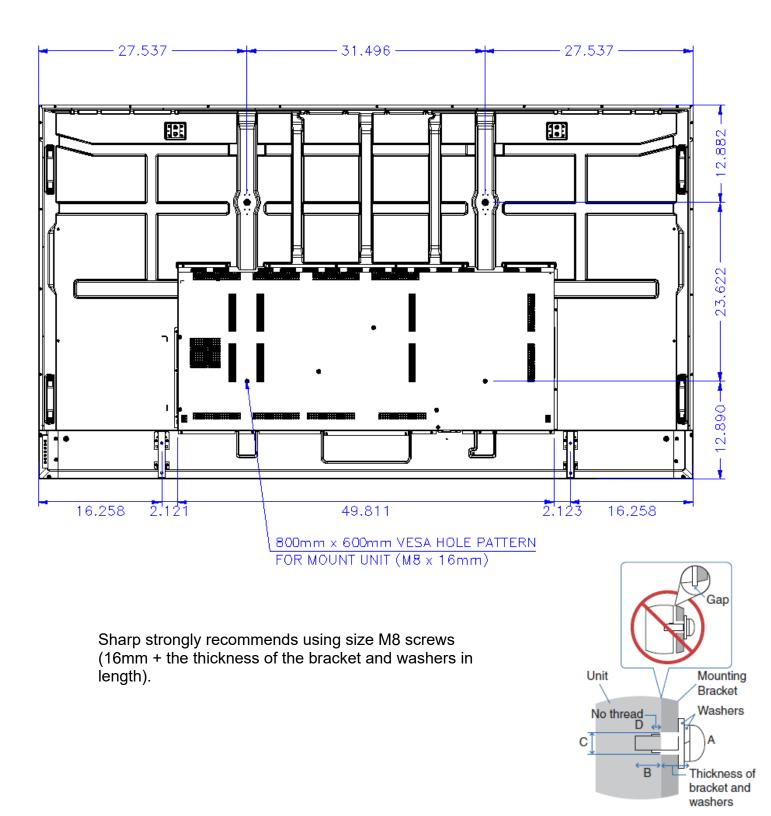
Display Dimensions – PN-ME982:





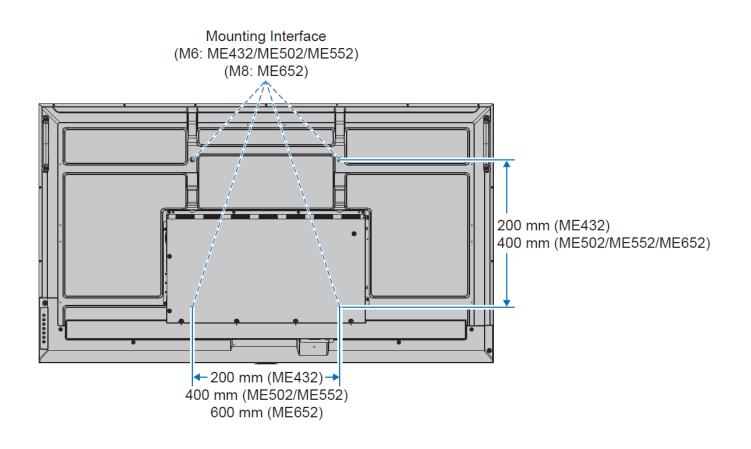


Display Dimensions – PN-ME982 (cont'd):



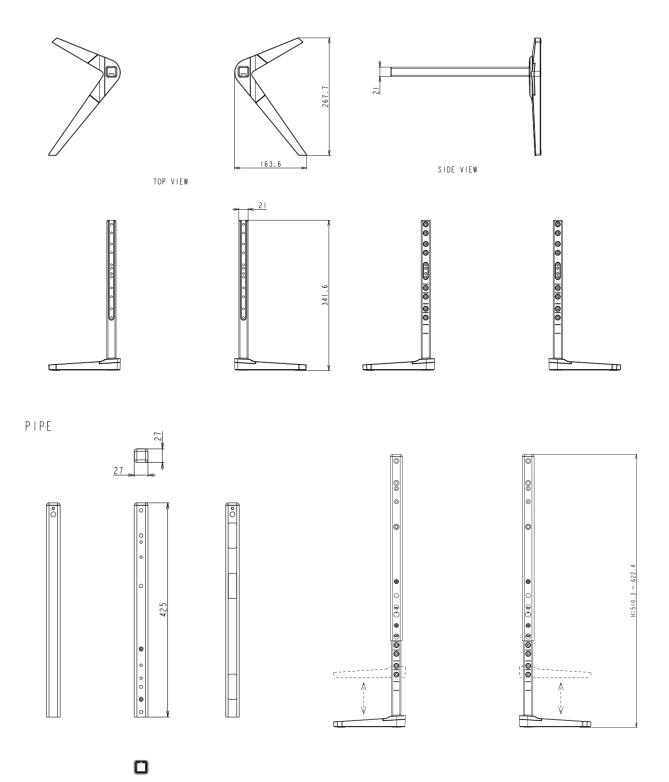
Installing and Removing the Optional Table Top Stand:

- The PN-ME432, PN-ME502 and PN-ME552 use the ST-43M.
- Only use the screws that are included with the optional stand.
- Prior to installation, place the monitor face down on a flat and even surface. To avoid scratching the LCD panel, always place a soft cloth on the surface before lying the product face down.

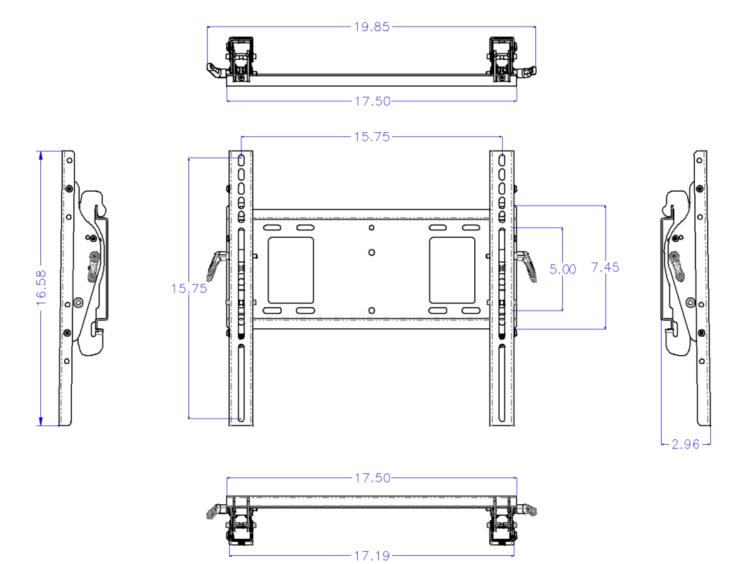


- Use mounting accessories that are located in the box of the ST-43M or ST-65M.
- The ST-43M connects into the VESA pattern of the PN-ME432, PN-ME502 and PN-ME552.
- The ST-65M connects into the bottom slots of the PN-ME652 note that the attachments, if not attached, may be included in the box for the PN-ME652 display.
- The ST-801 connects into the bottom slots of the PN-ME752, PN-ME862 and PN-ME982 note that the attachments, if not attached, may be included in the box for the displays.

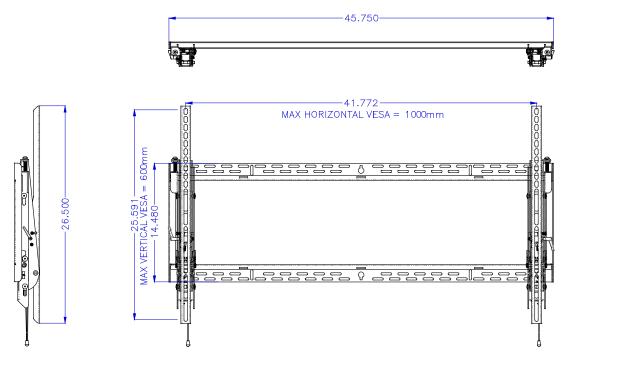
Table Top Stand Dimensions (ST-43M pictured below):



Optional Wall Mount for PN-ME432, PN-ME502 and PN-ME552 (WMK-3298T):



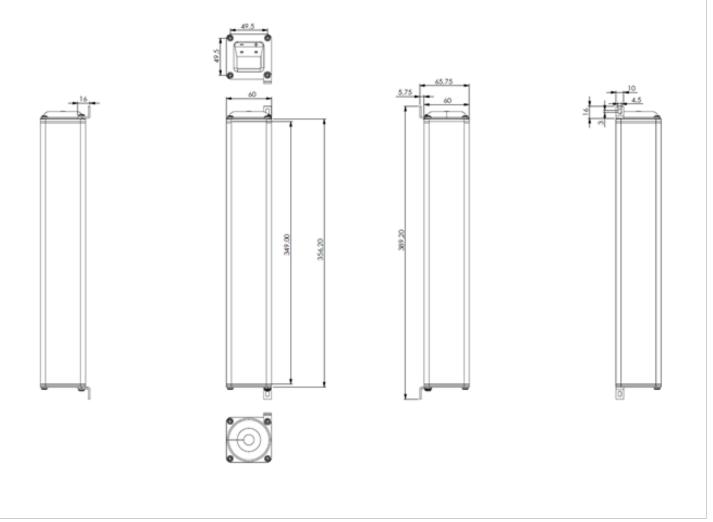
Optional Large Wall Mount for PN-ME652, PN-ME752, PN-ME862 and PN-ME982 (WMK-7598T):





3.001

Optional Speaker Dimensions (SP-RM3a):



Input Panel:

- 1. Optical Audio Out (SPDIF)
- 2. LAN (1000MB)
- 3. RS-232C (D-SUB 9-pin)
- 4. Audio Mini-Jack Out (3.5mm)
- 5. IR Remote In (3.5mm)
- 6. USB 2.0 (for SoC)
- 7. USB 3.0 (for SoC)
- 8. HDMI1 (ARC) In
- 9. HDMI2 In
- 10. HDMI3 In
- 11. USB 3.0 (Downstream for USB-C)
- 12. USB-C Port (5V/3A, Upstream, Audio/Video)



PD Comms Tool:

- Please download PD Comms Tool and open the Communications Log by going to View → Communications Log. From here you can find any external control code necessary for your installation
- PD Comms Tool can be downloaded from here: https://www.sharpnecdisplays.us/faqs/pdcommstool/179

NEC PD Comms Tool																	- 0
File View Help																	
Function List							Po	ower									
Controls	Power State							_									
By OpCode								Comm	unications	Send/Receive Log							*
Power	🕑 On																
Power Save Mode	0 off									P/IP address: 192.1		142					
Video & Color	_									command Mode= sage Destination A		nites ID-1) Ma	eenee Tomendale				
Size & Position	Current state: 🕘)n								7 ('C203h' encoded							
- Group ID								Write	e value 214 ('D6h' encoded as 2	bytes -> 44h 36	h)					
- Tile Matrix	Power On Delay									101h' encoded as 4							
 Tile Matrix (Advanced) 								Sent	message ien : 21 bytes:	gth=12 (encoded a	s 30h 43h -> '0c	-)					
- Cooling Fans	0 seconds									0 43 02 43 32 30 3	3 44 36 30 30 30	31 03 73 0D					
- Status																	
- IR Remote											Header				Message	Check	
Commands								SOH	Reserved	Destination	Source	Message	Message	STO	K Data (Message payload) E	TX code	
- Clock										Address	Address	Type	Length				
Daylight Savings								01	30	41	30	41	30 43	02	43 32 30 33 44 36 30 30 30 0	13 73	0D
Schedule (Basic)															31		
Schedule (Advanced) Holiday								Beer	eived 23 by								
Holiday Weekend								01.3	30 41 42 3	tes: 0 45 02 30 30 43 3	2 30 33 44 36 30	30 30 31 03 76	00				
Firmware Version																	
LAN MAC Address											Header				Message	Check	
TV Tuner Channel								SOF	Reserved	Destination	Source	Message	Message	SD	C Data (Message payload) E	TX code	
Security										Address	Address	Type	Length				
- Input Name								01	30	30	41	42	30 45	02	30 30 43 32 30 33 44 36 30	13 76	0D
- Auto ID															30 30 31		
- Auto Tile Matrix																	
- Proof Of Play										age payload only 3 44 36 30 30 30 3							
Tile Matrix Profile								50 5	745 52 50 5	5 44 50 50 50 50 5							
PIP-POP Profile										sage Source Addre							
Alternate Commands								Rece	ived messag	e length=14 (encod coded as 2 bytes 30	led as 30h 45h -:	> '0e')					
Simple & ASCII Commands								Read	value 0 (en value 4966)	coded as 2 bytes 30 (encoded as 4 bytes)	es 43h 32h 30h :	33h -> 'C203h')					
Advanced								Read	value 214 (encoded as 2 bytes	44h 36h -> 'D6h						
Analog Video								Read	value 1 (en	oded as 4 bytes 30	lh 30h 30h 31h -	> '0001h')					
C Scripting								Powe	er Control con ar Control con	mmand reply Result mmand reply Result	: Code=0 : Rower Mode=0	001					
OpCode Info IP Scan										mmy interface	roner noue-o						
Operating Mode																	
Operating Mode OpCode Scanner																	
Test Patterns (raw)																	
Test Patterns (vith correction)																	
Engineering																	
· · · · · · · · · · · · · · ·																	
Save All Settings 🔷 Reload Settings 🗌 Retr	try communications on en	or Increased At	timeout														
Communications Interface		isplay List															
O RS232 COM Port: X COM1		Add current	1.1.1.1	14													
LAN IP address: 192.168.0 .16	Q Search		Interface	Monitor ID													
 Dummy Interface (send only) 		K Delete selected															
Monitor ID		🧁 Open file						⊠ s⊧	iow message	decoding C	ear O	ору					
1 ~ Auto Detect Test		Save file															

Cable Connection:

Communication Protocol:

Interface:
Communication System:
Baud Rate:
Data Length:
Parity:
Stop Bit
Communication Code:

Interface: Communication System: Communication Layer: IP Address: Port Number: Ethernet (CSMA/CD TCP/IP (Internet Protocol Suite) Transport layer (TCP) 192.168.0.10 (default out of box) 7142 (Fixed)

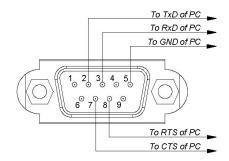
RS-232C

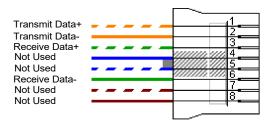
9600 bps 8 bits

None

1 bit ASCII

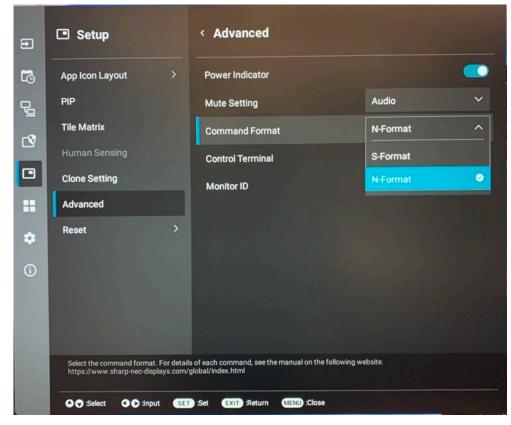
Asynchronous





Command Format:

The PN-MExx2 products are compatible with both the NEC and Sharp protocols. Out of the box they are set to NEC protocol. If Sharp protocol is necessary then please change Command Format to S-Format:



Browser Control:

Information and control can also be available through the HTTP browser control menu.

In order to accomplish this, type: http://<the Monitor's IP address>/pd_index.html

All displays are set to the IP address 192.168.0.10 out of the box unless changed through the initial setup guide Communicating network PC needs to be on the same subnet as display that is being communicated with

HOME	REMOTE CONTROL										
REMOTE CONTROL	POWER	eon		OFF							
PICTURE	APPLY	CANCEL									
AUDIO	INPUT SELECT	OHOME	OHDMI 1	OHDMI 2	CHDMI 3						
INPUT&OUTPUT		OUSB-C									
INPUT&OUTPUT	PICTURE MODE	•Native	ORetail	Conferencing	OHighbright						
SCHEDULE		OTransportation	Custom								
	ASPECT	ONormal	OFuil	OWide	01:1						
NETWORK		Zoom									
	MUTE	MUTE ON OOF									
PROTECT	APPLY	CANCEL									
SETUP	RESET										
SYSTEM											
NAME											
NETWORK SERVICE											
UPDATE FIRMWARE											