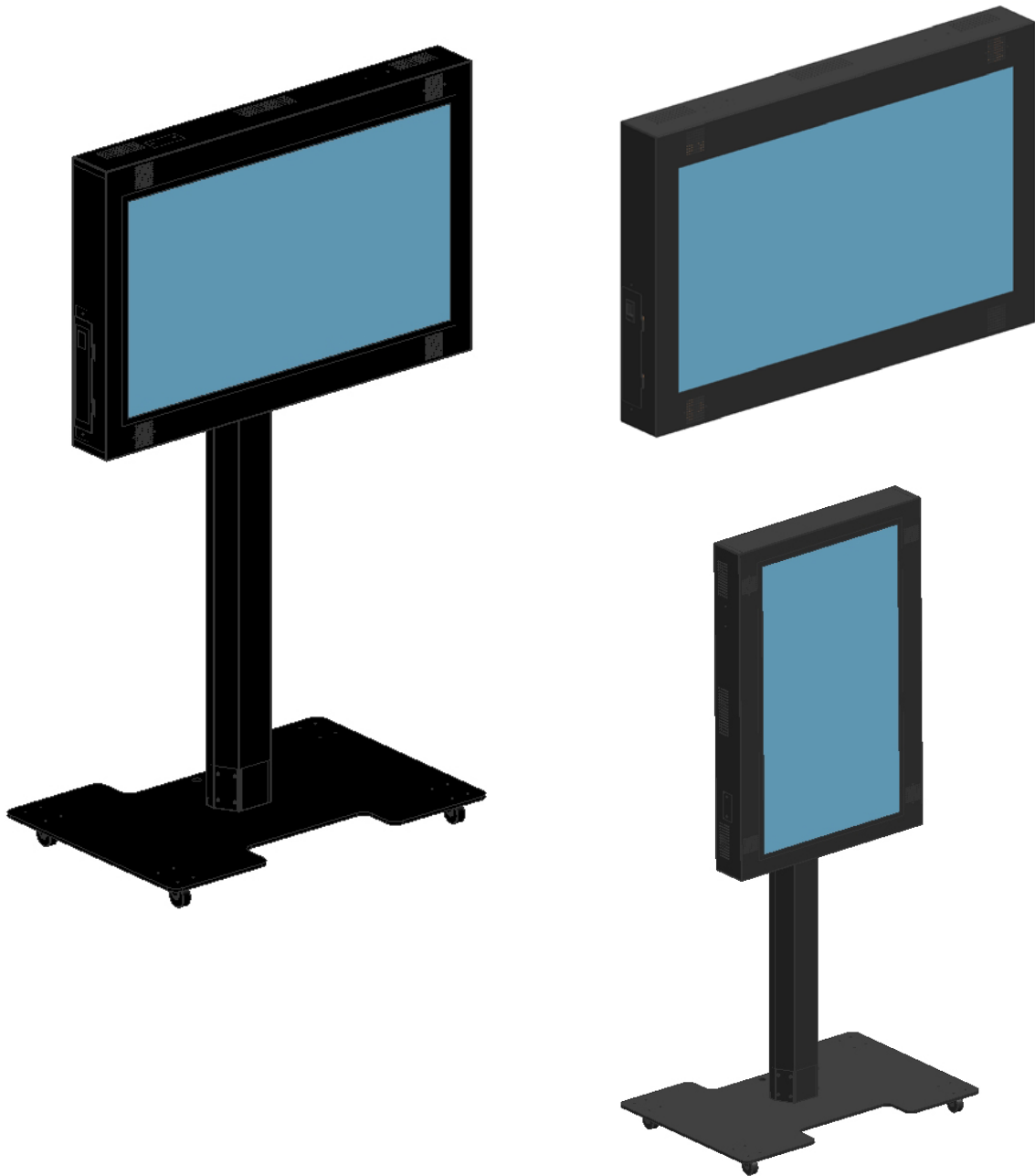


# BRIGHTBOARD Professional Series Advanced Network Digital Signage System (20.1"/32"/37"/42")



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## About this Manual

This manual is designed to assist you in setting up and using your new Digital Signage System. Information in this document has been carefully checked for accuracy; however, no guarantee is given to the correctness of the contents. The information in this document is subject to change without notice. This document contains proprietary information protected by copyright. All rights are reserved. No part of this manual may be reproduced by any mechanical, electronic or other means, in any form, without prior written permission of the manufacturer.

## Compliance Statement

This product has been assembled from FCC tested components. The complete system has not been tested. *For Home or Office Use Only!*



The tested components comply with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received including interference that may cause undesired operation.

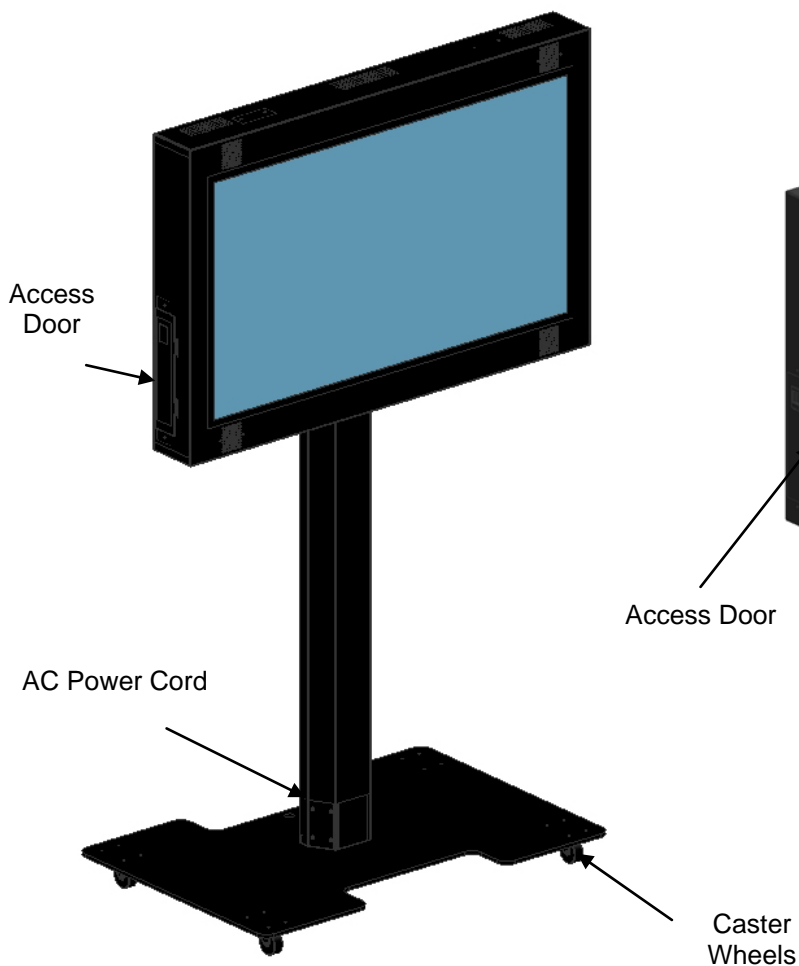
## Important Safety Instructions

- Do not place your Digital Signage System near an open window. Exposing the Display to rain, water, moisture or sunlight can severely damage it.
- Do not place anything on top of the power cord. Make sure the cord is placed in an area where it will not be stepped on.
- To properly clean the Display screen, first, make sure the system is in the power off mode. Do not spray liquid cleaners directly onto the unit. Stand away from the Display and spray cleaning solution onto a scratch resistant cloth. Without applying excessive pressure, clean the screen with the slightly dampened scratch resistant cloth.
- It is recommended that the pedestal systems always be used with the installed casters. If the casters are removed, the pedestal systems should always be bolted to the floor.

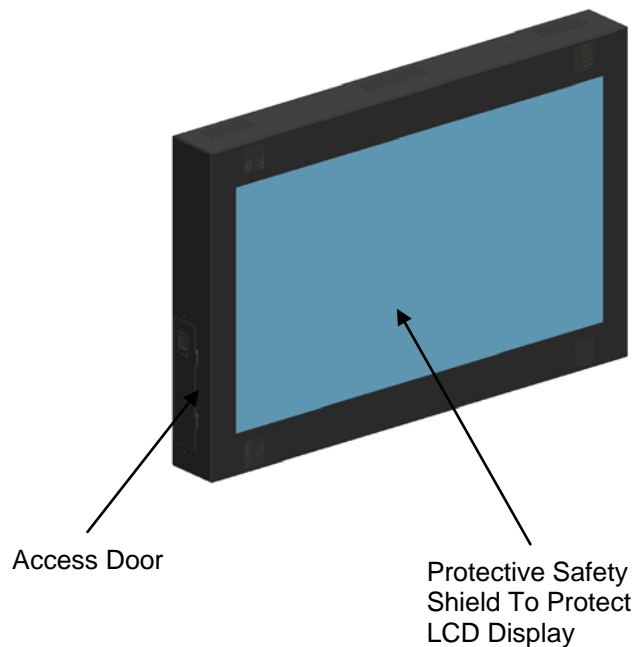
## Chapter 1 – Your New Digital Signage System

Your new Digital Signage System has been designed to be versatile, ergonomic and user-friendly. The internal memory of the media player comes with sample content already loaded (Please note that the sample content loaded is for the unit in a “Landscape” orientation. If you are using the unit in “Portrait” orientation\*, you can download sample content from our website at [www.popadvisions.com](http://www.popadvisions.com)). The display has been configured at the factory and should not require any adjustments by the end user. The user controls for the display are located inside the enclosure to prevent patrons from making unnecessary adjustments.

### Pedestal Configuration



### Wall Mount Configuration



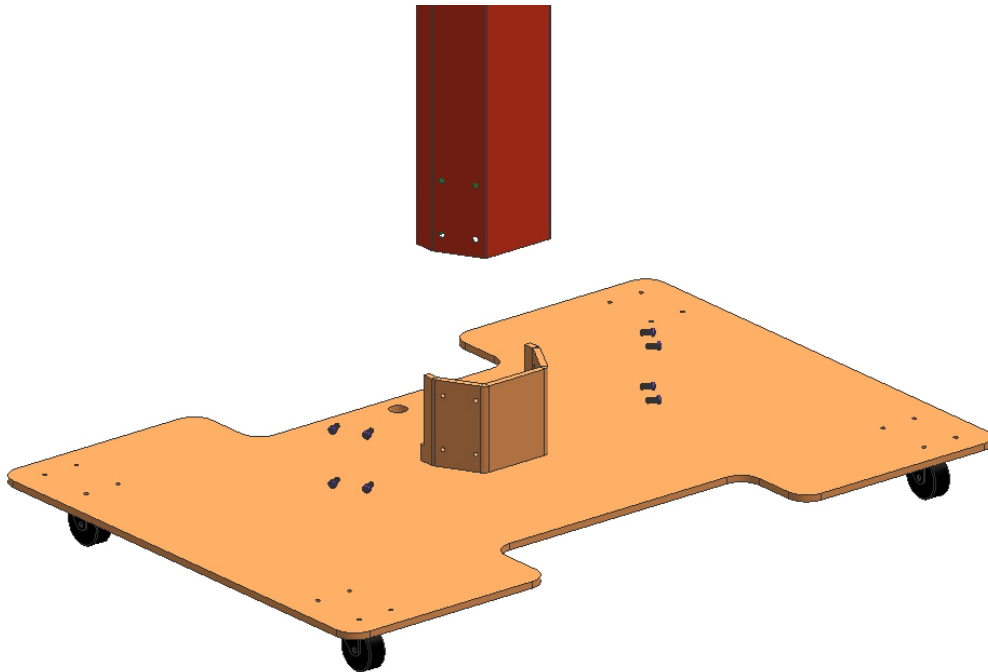
\* Please note that only 32” and larger systems can be using in “Portrait” orientation

## Assembly Of Your New Digital Signage System

The Digital Signage System has been designed to provide easy assembly. All you need is a Phillips screwdriver and you will have your new system up and running within minutes. The Brightboard Professional Series products are available with a pedestal mounting kit and a wall mount mounting kit. The following figures and steps will help you assemble your new Digital Signage System based on the configuration that you purchased.

### Assembling Pedestal Configurations:

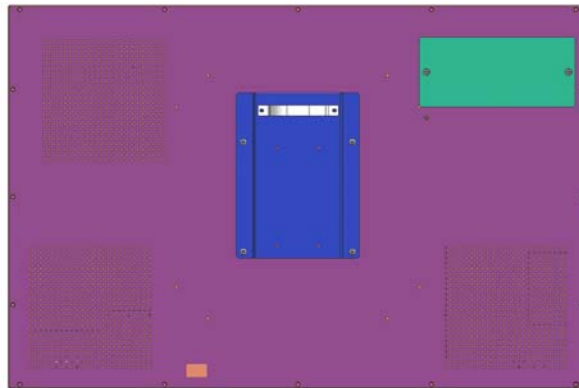
- Lay the Digital System Base on a flat surface. **The wheel kit is has been installed at the factory and must remain on unless this unit is bolted to a floor.**
- Carefully slide the Digital System Pedestal onto the base as shown.



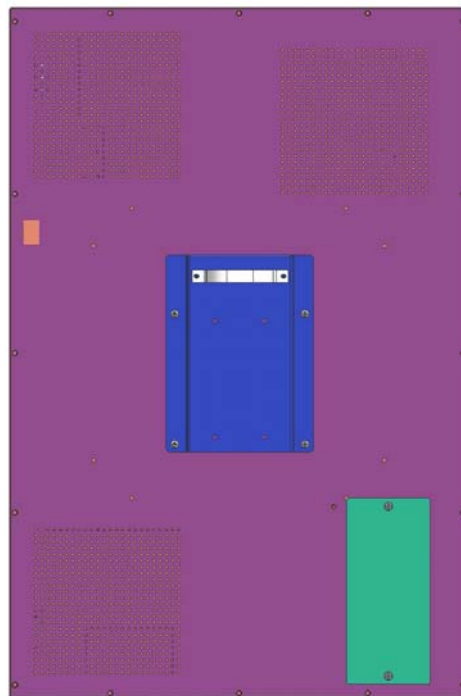
- Secure the assemblies together using the (8) provided 1/4-20 x 3/8" black screws.

- Install the Display mounting head to the back of the display using the (4) provided M4 screws. **(Please note: 32" and larger systems can be mounted in either Landscape or Portrait Orientation. See diagram for mounting hole locations)**

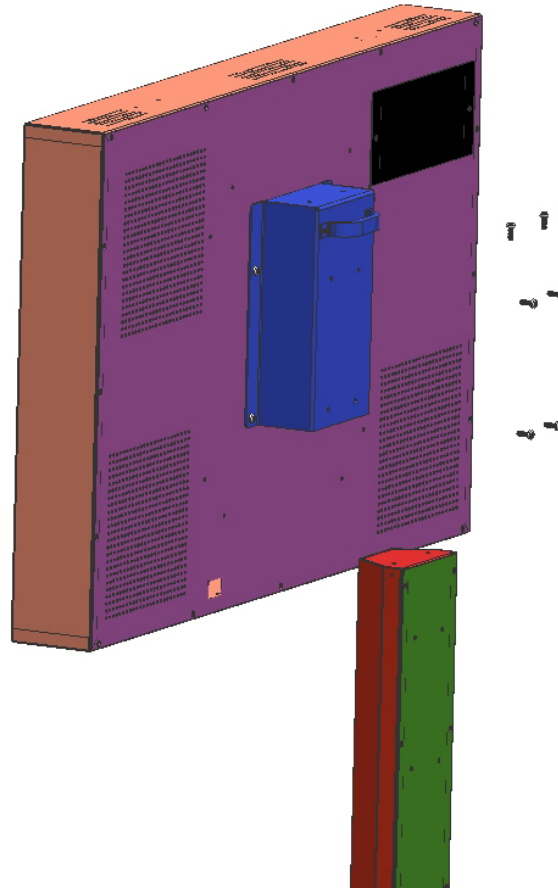
### Landscape Orientation



### Portrait Orientation (32" and larger systems)



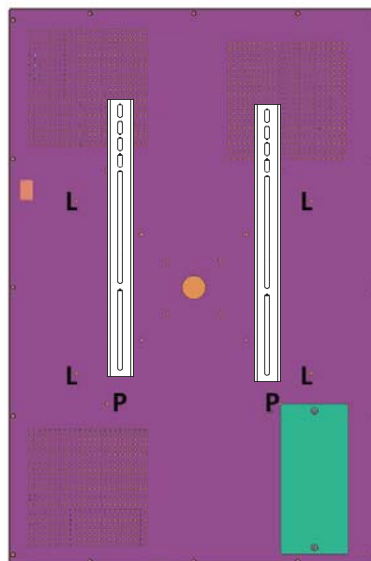
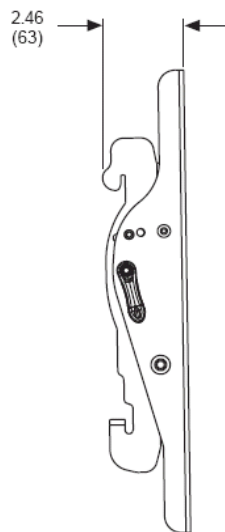
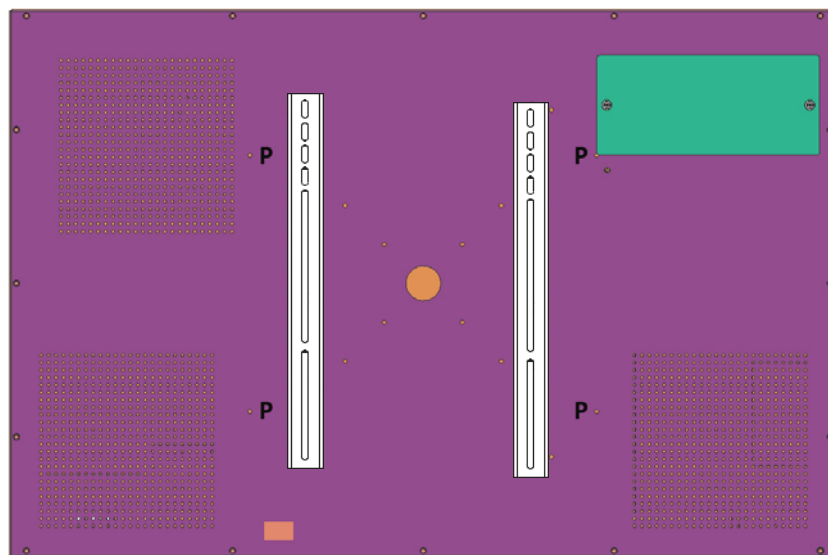
- Carefully install the Display onto the top of the Digital Signage System Pedestal. Secure the display using the (6) provided M4 screws.



- If you are using this system with a wired network connection, plug the CAT5 Ethernet cable that comes out of the back of the unit into an available Ethernet jack. **(Please note: This system also has built in wireless capability and the wireless antenna's are internal to the system.)**
- Plug the power cord into coming out of the back of the display enclosure into the AC extension cord that is coming out of the pedestal. **(Please note: Route any excess power cord into the opening in the pedestal.)** Plug the power cord that comes out of the bottom of the pedestal into any available 110 VAC outlet. You have successfully assembled your new Digital Signage System. Turn the unit on by using the on/off switch located on the rear of the unit.

## Assembling Wall Mount Configurations:

- Lay the Digital System on a flat protective surface. **(Please make sure that the area the display is placed is free of any objects that could damage or scratch the front protective screen.)**
- Remove the wall mount hardware from the packaging. Install the 2 wall mount brackets to the back of the system as shown using the provided M4x12 screws and flat washers. **(Please note: 32" and larger systems can be mounted in either Landscape or Portrait Orientation. See diagram for mounting hole locations)**



- Using the instructions included with the wall mount hardware, install the wall mount mounting plate to the wall.



- With 2 people, carefully install the Display onto the wall mount plate as shown above.



- Secure the display using the (2) pre-attached phillips screws and a Phillips screwdriver.



- If you are using this system with a wired network connection, plug the CAT5 Ethernet cable that comes out of the back of the unit into an available Ethernet jack. **(Please note: This system also has built in wireless capability and the wireless antenna's are internal to the system.)**
- Plug the attached power cord into any available 110 VAC outlet. You have successfully installed your new Brightboard Digital Signage System. Turn the unit on by using the on/off switch located on the rear of the unit.

## Turning the system on/off

The Digital Signage System will automatically power on when the unit is plugged into a 110 VAC outlet as long as the on/off switch located on the rear of the unit is left in the “on” position. Use this same on/off switch to turn the unit on or off.

## Adjusting the Volume Control

Your Digital Signage System has the ability to play audio that is incorporated into MPEG video files. The volume of the Digital Signage Player has been preset at the factory and cannot be changed.

The volume of the display has been set to low at the factory. To adjust it, simply use the long display remote that was included and use the volume up/down buttons on it. The menu will automatically disappear after a couple of seconds when you are done with the adjustment. **\*NOTE: USING ANY OF THE OTHER BUTTONS ON THIS REMOTE MAY CAUSE UNDESIRE OPERATION.**

## Adjusting the Display

The Digital Signage System display has been configured at the factory and should not require any adjustments by the end user. If for some reason, your content is not perfectly centered, check to ensure that it has been created following the content creation guidelines in the manual. If you are still experiencing problems, please contact us.

## Chapter 2 – The Brain of the Digital Signage System

Your system has been configured with our “Advanced Network” model. Please refer to the additional user manual CD and software CD for setup and use of the network player and software.



# User Manual

## MSO Plus

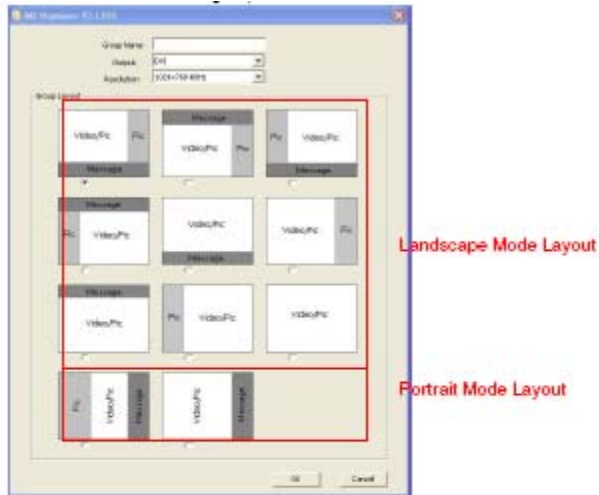
- Multiple Zones Display
- Auto Media Update
- Daily Schedule
- Client Billing Log

USER MANUAL

## Chapter 3 – Creating Content for your system

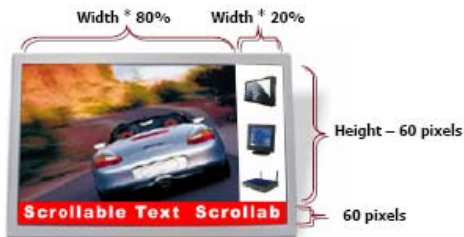
Your Digital Signage System ships with our MSO content creation software. Install the software from the software CD that was included with your system. There is also a detailed manual available on the same software CD for detailed use on how the advanced network media player is used.

Group Layout Choices:



◆ *Tips: MSO Plus can only rotate pictures and messages. If you choose portrait mode layout, you might also need to use 3<sup>rd</sup> party software for video rotation. Please refer to Appendix B Video Editing Tutorial for more detail.*

Group Layout Resolutions:



Output Resolution V.S Zone Size (in pixel)

Output Resolution	Video/Pic Zone	Pic Zone	Message Zone
640 x 480	512 x 420	128 x 420	640 x 60
800 x 600	640 x 540	160 x 540	800 x 60
1024 x 768	820 x 708	204 x 708	1024 x 60
1280 x 768	1024 x 708	256 x 708	1280 x 60
1280 x 960	1024 x 900	256 x 900	1280 x 60
1280 x 1024	1024 x 964	256 x 964	1280 x 60
1360 x 768	1088 x 708	272 x 708	1360 x 60
1366 x 768 (for integrated Network Player)	1094 x 708	272 x 708	1366 x 60

## Chapter 4 – Care of your System

The Digital Signage System is virtually maintenance free. Periodic cleaning of the exterior of this system is all that needs to be done.

### Cleaning the Display Screen

When cleaning the display screen, it is recommended that you follow the following guidelines:

- Use one of the following liquids: water, vinegar (mixed with water), isopropyl alcohol (mixed 50/50 with water), window/glass cleaner.
- Always use a soft scratch resistant cloth. Some materials, such as paper towels or old rags could cause scratches and damage the protective screen.
- Do not spray any liquids on the screen directly. Always apply the solution to your cloth first, not directly to the parts you are cleaning.

### Cleaning the Enclosure

The enclosure is constructed of power coated steel. Maintaining the initial appearance of a powder coated product is a simple matter.

- Do not spray any liquids directly onto the enclosure. Always apply the solution to your cloth first, not directly to the parts you are cleaning.
- Use soapy water to clean the enclosure (using a neutral detergent).
- Wipe away the soapy water using clean water on your cloth.

## Appendix A – Specifications

Listed below are the specifications for the Brightboard Professional Series Digital Signage System.

System Enclosure	PS20	PS32	PS37	PS42
Display Type	Active Matrix Color TFT LCD			
Display Colors	16.7M Colors			
Display Diagonal	20.1"	32"	37"	42"
Display Area (visible)	17.06 (H) x 10.66 (V) (in)	27.47 (H) x 15.44 (V) (in)	32.27 (H) x 18.14 (V) (in)	36.62 (H) x 20.59 (V) (in)
Brightness	300cd/m2	450cd/m2	450cd/m2	450cd/m2
Contrast Ratio	1000:1	2500:1	3500:01:00	2500:1
Viewing Angles	170 / 160 (H/V)	178 / 178 (H/V)	178 / 178 (H/V)	178 / 178 (H/V)
Power Source	110VAC Standard Outlet			
Memory Cards Supported	Compact Flash Card: 8MB ~ 8GB			
File Formats Supported	JPEG, MPEG 1, MPEG 2			
Enclosure	Powder Coated Steel			
Audio (Optional)	8 Ohm 5-Watt Speakers			
Operating Temperature	0° to 40° C			
Storage Temperature	-10° to 50° C			
Operating Humidity	20% to 90%			
Dimensions *	22.2 x 17.2 x 4.2 In	33 x 22.7 x 5.2 In	37.5 x 25.1 x 5.2 In	41.9 x 27.7 x 5.2 In

\* Note: Above dimensions are (WxHxD) in inches for "Display Enclosure" only. Width and Height dimensions are also reversed when systems are mounted in "Portrait Orientation". Also, dimensions do not include wall mount bracket which adds approximately 2.5" to the total depth.

Pedestal Systems**	PS20 (Landscape)	PS32 (Landscape)	PS37 (Landscape)	PS42 (Landscape)
Dimensions ***	22.2 x 62.6 x 19 In	36.0 x 65.4 x 24 In	37.5 x 66.6 x 24 In	41.9 x 67.8 x 24 In

\*\* Note: Dimensions shown are with the casters installed. Deduct 2.8" in the overall height if the casters are removed and the product is bolted to the floor.

\*\*\* Note: Above dimensions are (WxHxD) and are in inches.

Pedestal Systems**	PS20 (Portrait)	PS32 (Portrait)	PS37 (Portrait)	PS42 (Portrait)
Dimensions ***	NOT AVAILABLE	36.0 x 71.0 x 24 In	36.0 x 72.8 x 24 In	36.0 x 74.5 x 24 In

\*\* Note: Dimensions shown are with the casters installed. Deduct 2.8" in the overall height if the casters are removed and the product is bolted to the floor.

\*\*\* Note: Above dimensions are (WxHxD) and are in inches.

## Appendix B – Troubleshooting

The Digital Signage System has been pre-adjusted at the factory for optimum settings. This unit will generally not require any adjustment. Should you experience problems with your system, follow the procedures below for help.

### **PROBLEM: No Image On Display**

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- *Check if “Digital Signage Player” power indicator light is on.*
- *Check to make sure unit is plugged into 110 VAC outlet.*
- *Check to make sure that the content has been transferred through the MSO software.*

### **PROBLEM: Display Says “No Media” or similar message**

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- *Check to make sure that the content has been transferred through the MSO software.*

### **PROBLEM: Image is not displayed full screen**

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- *Make sure that the JPEG and MPEG files have been created following the chart in the advanced network player manual.*

If you are still experience problems with your system, visit the “FAQ” or “SUPPORT” sections of our website [www.popadvisions.com](http://www.popadvisions.com) or contact us at 772-221-0537.



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