



Prysm LCD Visual Workplace Assembly Guide

Prysm 98

Prysm 86

Prysm 85

Prysm 85 Dual

Prysm 84

Prysm 75

Prysm 65

Prysm 65 Core

December 2017
520-00072-00 Rev 12

NOTICE

Copyright © 2017, Prysm Inc.

All information contained herein is the property of Prysm, Inc. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, or otherwise, without the prior written consent of the publisher. Any software referred to herein is furnished under license and may only be used or copied in accordance with the terms of such license. Printed documents are not controlled, therefore identifying the document's most current revision is the holder's responsibility.

TRADEMARK ACKNOWLEDGMENT

Prysm and the Prysm Logo are registered trademarks of Prysm, Inc. Prysm, Inc. disclaims any proprietary interest in brands and product names used in this document that are trademarked by another entity.

PATENTS

Prysm products discussed in this documentation are protected by patents issued and pending in the US and other countries. Please see www.prysm.com/patents for additional information.

WARRANTY

The information contained herein is subject to change without notice. The only warranties for Prysm products and services are set forth in the express warranty statements accompanying the applicable customer agreement. Nothing herein should be construed as constituting an additional warranty. This document is provided solely for general informational purposes. Prysm shall not be liable for technical or editorial errors or omissions contained herein. Video wall display characteristics may vary from the tile display characteristics specified herein based upon factors including, but not limited to, the size of the video wall and display configuration settings.

ABOUT PRYSM

Prysm is defining a new way of work. One where applications, content, video conferencing and the Web can all be easily combined into a visual workspace where teams can create, edit and share. These interactive workspaces are stored in the cloud and available on any sized screen. Prysm's Visual Workplace solutions span from executive briefing center to home office — and every size workplace in between. Today, Prysm powers 20 percent of the Fortune 500 and our customers are leaders in all industries including technology, energy, finance, healthcare, media and universities. To define your company's new way of work, visit prysm.com.

PRYSM, Inc.

180 Baytech Drive, Suite 200

San Jose, CA 95134

1.877.99.PRYSM

+1.408.586.1100

PRYSM.com

sales@PRYSM.com

24x7 support: 1.877.44.PRYSM

support@prysm.com

Contents

Preface	4
Definitions	6
1. Required Tools	7
2. Overview of Prysm LCD Visual Workplace Components	8
2.1 Parts of the Prysm LCD Visual Workplace Stand	9
2.2 Product Component Diagrams	17
3. Assembly Procedures	24
3.1 Assemble the Stand	25
3.2 Install the Display Support Assembly	28
3.3 Install the Camera Support	31
3.4 Install the System Cabinet	33
3.5 Set up the System Components	35
3.6 Install the Display	37
3.7 Install the Keyboard Shelf	41
3.8 Apply the Labels	43
4. Cabling Procedures	45
4.1 Cable the Prysm 98	46
4.2 Cable the Prysm 86, 85, 84, 75, 65, and 65 Core	53
4.3 Cable the Prysm 85 Dual	66
5. Startup Configuration	80

Preface

Purpose

This procedure describes how to assemble and cable the Prysm LCD Visual Workplace stand and display.

Scope

This document covers the hardware setup of the Prysm LCD Visual Workplace stand components for the following products:

- Prysm 98 Visual Workplace
- Prysm 86 Visual Workplace
- Prysm 85 Visual Workplace
- Prysm 85 Dual Visual Workplace
- Prysm 84
- Prysm 75
- Prysm 65 Visual Workplace
- Prysm 65 Core Visual Workplace

Related Documents

NOTICE OF NAME CHANGES

At publication of this document, Prysm Products are undergoing name changes. This guide refers to some documents that still have the old product names, such as *Cascade* and *Synthesis*.

Title	Document Number
<i>Prysm Visual Workplace Core Firmware Update Procedure</i>	230-00467-00
<i>Application Appliance Installation Guide</i>	520-00064-00
<i>Prysm Application Suite End User Guide</i>	520-00044-00
<i>Wall Mount Recommendations for Prysm LCDs</i>	551-00061-00
<i>Prysm QuadLynk Installation Guide</i>	520-00106-00
<i>Prysm LCD Visual Workplace User Guide</i>	520-00049-00

IMPORTANT

Ensure you have the latest version of *this* document, go to:
 Kaybus: <https://prysm.kaybus.com/> or <http://www.prysm.com/resources>.

Safety

Assembly and testing of the Prysm LCD Visual Workplace stand and components should be done only by Prysm-certified technicians or FAEs familiar with the process.

Revision History

Revision Number	Date	Change Description	Author
Rev 01	October 2015	Initial Release	DY
Rev 02	November 2015	Info added for <i>Prysm 85 Dual</i> . Minor changes made throughout.	DY
Rev 03	December 2015	Added Addendum with IIC install instructions for <i>Prysm 65 Core</i> and a couple of other minor notes.	DY
Rev 04	February 2016	Changed title to "Prysm LCD Visual Workplace Solution Assembly Guide". Simplified Related Documents section. Moved Addendums into proper places in text. Added product detail drawings for major components. Added full cabling diagrams for all products. Moderately revised document structure for new cabling section. Modified numerous drawings for clarity. Added information for the 98" display.	DY
Rev 05	March 2016	Added clarifications to ambiguous instructions. Added a couple of graphics. Corrected minor errors to text and graphics.	DY
Rev 06	August 2016	Added USB extender cable for Keyboard & Mouse dongle. Replaced Prysm Application Appliance reference with new designation; updated pictures of Application Appliance. Added warnings on pages 12 and 16-19 about ensuring plastic film on the display unit is removed. Added step to that effect on page 35.	DR
Rev 07	March 2017	Change of some kit part numbers, some screw part numbers, and the stand part number. Changed name of product to Prysm Visual Workplace. Some minor clean-up to SI metric standards.	DR
Rev 08	May 2017	Added a Warning that the casters and feet must be locked in place by tightening the top locking nut. Changed Prysm logo on cover to updated version.	DY
Rev 09	June 2017	Changed inclusion of the IIC to be optional, not standard. Replaced graphic showing power cables to correct part number (771-00331-00 to 771-00311-00).	DY
Rev 10	August 2017	Replaced 65" display image with Avocor 65" 4K display showing different ports, speakers, etc. Replaced keyboard and mouse with keyboard with trackpad. Added warning about tightening the casters and the locking nut.	DY
Rev 11	December 2017	Added information for the Prysm 86 4K Display. Added refs to QuadLynk.	DY
Rev 12	December 2017	Added information for the Prysm 75 and Prysm 84 4K Display.	DY

Definitions

Term	Definition
AA	Prysm Application Appliance.
Application Suite	End-user software that enables collaboration on Prysm video walls and displays. <i>(As of this writing, this name is changing over to Application Suite.)</i>
Arena	Product Life Cycle Management (PLM) database for parts and related documents. The supplier accesses the latest part and document information through Arena. URL is https://app.bom.com .
Badge	Prysm-branded identification tag placed near the front of each Prysm Application Appliance and Prysm LCD Display.
BOM	Bill of Materials. Compliance document signed by the supplier to certify that the product was built and configured to Prysm specifications.
Confluence	Team collaboration software developed and marketed by Atlassian. It is written in Java and used primarily in corporate environments.
Egnyte	Prysm file server that stores the latest Prysm Application Appliance software. Prysm Application Appliance Specification documents are also available on Egnyte. URL is https://prysm.egnyte.com .
IIC	Interactive Input Controller kit consisting of a Crestron HD Amplifier, a ViewHD HDMI Splitter Amplifier, and an Adderlink ipeps Controller for control of an in-room PC from the display.
Live Sources	Video input devices connected to the Prysm Application Appliance for display in the Prysm Application Suite.
Kaybus	Primary repository for documentation for field use. URL is https://prysm.kaybus.com .
PN	Part Number. 10-digit Prysm Arena part number for tracking documents and parts. 10-digit numbers in parentheses designate the part number for the item mentioned immediately before.
PO	Purchase Order. Document that initiates and describes the products that the Supplier manufactures for Prysm.
Project	In Prysm Application Suite, a named collection of files and associated authorized users.
QuadLynk	A device that allows the sharing of video sources such as laptops, cameras, media players, and video teleconferencing systems over a network.
UI	User Interface.
Web Admin	Graphical User Interface (GUI) that allows developers, engineers, installers, and End-Users access to the Prysm Application Suite to define, configure, commission, and provision a system through a web-based interface.
Workspace	A named work area in Application Suite where media objects (files, videos, etc.) can be presented. The point of collaboration between local and remote users.

1. Required Tools

The following tools are necessary to assemble the Prysm LCD Visual Workplace stands:

Tool	Sizes	Description
Utility knife or boxcutter		To cut strapping on cartons
Phillips screw driver	#2	
Open end wrenches	17 mm 20 mm	Box end will not work.
Socket wrench with sockets	10 mm 13 mm (or 1/2")	
Hex wrenches	4 mm 5 mm 6 mm	Comes with stand Comes with stand
Measuring tape	6 ft or more	Inches
Small square		Optional
Padding		Blanket or other soft material on which to assemble parts
Labels or paper tape		To label cable ends

2. Overview of Prysm LCD Visual Workplace Components

The following subsections describe the different parts of the Prysm LCD Visual Workplace stand, and the controls and ports of the electrical components and LCD displays. The subsections are:

- [2.1 Parts of the Prysm LCD Visual Workplace Stand](#)
- [2.2 Product Component Diagrams](#)

NOTE

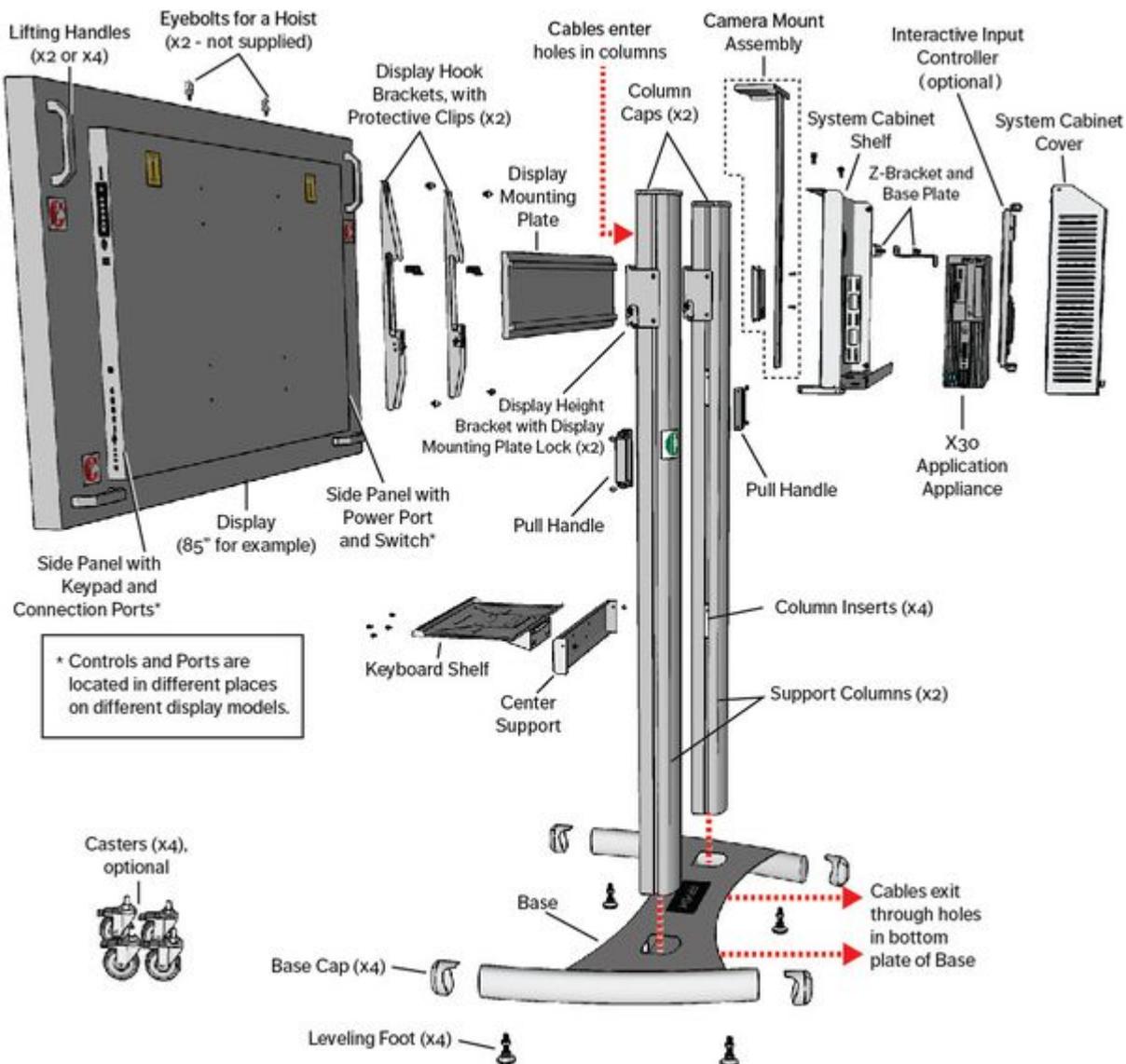
If you are mounting an LCD display on a wall rather than a Prysm Visual Workplace stand, see the Technical Bulletin *Wall Mount Recommendations for Prysm 65, 86, 85, and 98 LCDs* (551-00061-00).

2.1 Parts of the Prysm LCD Visual Workplace Stand

This following illustration refers to the main parts of a Prysm 86, Prysm 85, Prysm 85 Dual, Prysm 65, and Prysm 65 Core LCD Visual Workplace stand.

NOTES

- The Prysm 98 is a wall-mount display and does not come with a stand.
- The Prysm 98 does not come standard with an Interactive Input Controller.
- The Open Me First carton contains replacements for several stand parts. Ensure that these parts are replaced for optimal configuration.



NOTE

To see the exact location of ports on a specific display model, see 2.2 Product Component Diagrams.

2.1.1 Parts Lists

The following tables show the basic components of the Prysm LCD Visual Workplace stand and their part numbers, broken down by shipping carton. You will have received only the cartons that apply to the ordered Prysm product.

Prysm 98 "Open Me First" carton

Part #: 050-00361-00

Applies to: Prysm 98 only. Wall-mount only.

#	Item	Length	Part Number	Notes
1	<i>Prysm LCD Visual Workplace Assembly Guide</i>	N/A	520-00072-00	This document, used to assemble the Prysm stand.
1	<i>Prysm Application Suite Quick Guide</i>	N/A	520-00066-00	Laminated sheet to be given to the customer as a reference.
1	USB 2.0 A-Male to Serial (RS-232) cable	10 ft	771-00245-00	
1	DisplayPort, Male-to-Male cable, with latches	6 ft	771-00308-00	
1	Wireless Keyboard with Trackpad 	N/A	781-00222-00	

Prysm 86, Prysm 85, or Prysm 65 "Open Me First" Carton

Kit Part #: 050-00352-00

Applies to: Prysm 85, Prysm 85 Dual, Prysm 65, and Prysm 65 Core.

#	Item	Part Number	Notes
1 ea.	Documentation: <i>READ ME FIRST</i> <i>Prysm LCD Visual Workplace Assembly Guide</i> <i>Prysm Application Suite Quick Guide</i>	520-00075-00 520-00072-00 520-00066-00	Single sheet, to be read before assembling the stand. This document, used to assemble the stand and display. Laminated sheet to be given to the customer as a reference.
4	Leveling Feet 	773-01358-00	To replace casters at customer request.
8 ea.	Display Fastening Hardware 	773-00888-16 - M8 hex cap screws 773-00190-00 - lock washers 773-00738-00 - flat washers	To fasten Display Hook Brackets to display.
2	Column Slot Inserts 	773-01359-00	In addition to the two already installed in the stand.

1	Wireless Keyboard with Trackpad 	781-00222-00	
1	USB 3.0 Type A Male to Female Extension Cable, 6 ft.	771-00340-00	To extend the USB port on the Application Appliance for the Keyboard dongle.
1	3M 1 inch Dual lock Velcro Tape	776-00151-00	To adhere the dongle on the edge of the display.
1	Prysm Label 	110-04886-00	To apply to the base of the stand.
1 sheet	Warning Labels 	110-04899-00	To apply to specific places on the stand.

Prysm 85 Dual LCD and Cart Kit Carton

Kit Part #: 050-00355-00

Applies to: Prysm 85 Dual (038-00030-00) for the Secondary Stand and display

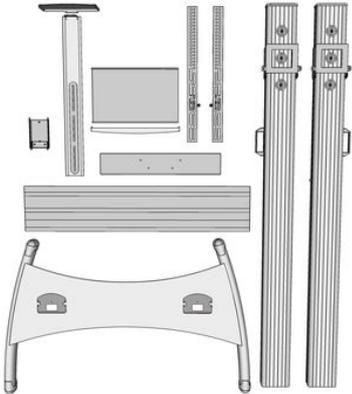
#	Item	Part Number	Notes
4	Leveling Feet 	773-01358-00	To replace casters on Secondary Stand at customer request.
8 ea.	Display Fastening Hardware 	773-00888-16 - M8 hex cap screws 773-00190-00 - lock washers 773-00738-00 - flat washers	To fasten Display Hook Brackets to Secondary Display.
2	Column Slot Inserts 	773-01359-00	In addition to the two already installed in the Secondary Stand.
1	Prysm Label 	110-04886-00	To apply to the Base of the Secondary Stand.

1 sheet	Warning Labels 	110-04899-00	To apply to specific places on the Secondary Stand.
1	USB Over UTP Extender (2 parts)  Transmitter Receiver	771-00319-00	This two-part extender will be fitted on either end of the following CAT5e cable. NOTE: The Extender that comes with the kit may differ from the one shown here.
1	CAT5e cable, 25 ft	771-00323-00	
1	DisplayPort cable, 25 ft	771-00322-00	
1	AC Power, NEMA 5-15P to IEC C13, UNIV, 125V, 13A, 20 ft	771-00311-00	

Prysm LCD Stand Carton

Kit Part #: 032-00017-01

Applies to: Prysm 86, Prysm 85, Prysm 85 Dual, Prysm 65, and Prysm 65 Core. Does not come with the Prysm 98.

#	Item	Part Number	Notes
1	Prysm Visual Workplace Stand 	032-00017-01	Stand parts include: <ul style="list-style-type: none"> • 1 Base with 4 Casters • 2 Support Columns • 2 Display Hook Brackets • 1 Display Mounting Plate • 1 Camera Support Bar • 1 Camera Support Connector • 1 inner carton containing: <ul style="list-style-type: none"> • 1 Keyboard Shelf • 1 Wrist Rest • 1 Camera Support Platform • 1 Center Support
2	Polybags of fastening hardware and tools	N/A	Keep only the long screws in A2 section and the two hex wrenches from B2 section.
1	Assembly Guide	N/A	Discard. Use this Assembly Guide from the READ ME FIRST carton.

Prysm LCD Display Carton(s)

Kit Part #: See individual display part numbers in table.

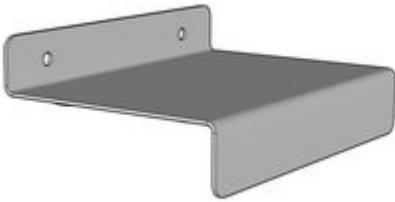
Applies to: Prysm 98, Prysm 86, Prysm 85, Prysm 85 Dual, Prysm 65, and Prysm 65 Core

#	Item	Part Number	Notes
1	Prysm 98" display, <i>or</i>	030-00060-00	The Prysm 98 display is a wall-mount 4K display and is <i>not</i> installed on a stand.
1	Prysm 86" display, <i>or</i>	030-00076-00	The Prysm 86 comes with a single 4K display.
1	Prysm 85" display, <i>or</i>	030-00043-00	The Prysm 85 comes with a single 4K display.
2	Prysm 85" displays (Prysm 85 Dual), <i>or</i>	030-00043-00	The Prysm 85 Dual comes with two 4K displays.
1	Prysm 84" display, <i>or</i>	030-00087-00	The Prysm 84 comes with a single 4K display.
1	Prysm 75" display, <i>or</i>	030-00210-00	The Prysm 75 comes with a single 4K display.
1	Prysm 65" display, <i>or</i>	030-00042-00	The Prysm 65 comes with a single 4K display.
1	Prysm 65" Core display	030-00054-00	The Prysm 65 Core comes with a single 2K display.
			
<p>NOTE: Ensure that the plastic covering on the display unit is removed.</p>			
1	IR Remote Control (with batteries)	N/A	
			
1	IR Extender cable	N/A	
1	USB Type A to Type B cable, 6 ft	N/A	
1	HDMI cable, 6 ft	N/A	Not used
1	Power cable, 6 ft	N/A	Only used for the Prysm 98.

System Cabinet Carton

Kit Part #: 050-00330-01

Applies to: Prysm 86, Prysm 85, Prysm 85 Dual, Prysm 65, and Prysm 65 Core

#	Item	Part Number	Notes
1	System Cabinet Shelf and Cover 	020-01669-00 020-01670-00	To be mounted on the rear of the Prysm stand.
1	Z-Bracket 	020-01705-00	Two parts used in combination to hold the X30 in place.
1	Z-Bracket Base Plate 	020-01676-00	
1	Polybag containing fastening hardware:		
	2 $\frac{5}{16}$ " flange bolts with $\frac{1}{2}$ " hex cap	773-01918-00	To attach the System Cabinet to the stand.
	2 M6 flanged socket cap screws	773-01267-00	To attach the base of the cabinet to the stand's support columns.
	4 M6 locknuts	773-01206-00	To secure the X30 and IIC into the System Cabinet.

X30 Application Appliance Carton

Kit Part #: 055-00032-00

Applies to: Prysm 98, Prysm 86, Prysm 85, Prysm 85 Dual, Prysm 65, and Prysm 65 Core.

#	Item	Part Number	Notes
1	X30 Application Appliance 	055-00032-00	To be installed in the System Cabinet.
4	Locking Mini-DisplayPort to DisplayPort Adapters 	781-00178-00	Used to adapt DisplayPort cables to the Mini-DisplayPort ports.
1	Power cable	N/A	6 ft. Only used for the Prysm 98.

Cable Kit Carton

Kit Part #: 050-00348-00

Applies to: Prysm 86, Prysm 85, Prysm 85 Dual, Prysm 65, and Prysm 65 Core

#	Cable	Length	Part Number	Notes
1	AC Power, 3-Way Splitter Cable, Universal, from C14 to 3x C13, 250V	3 ft	771-00312-00	
1	AC Power, NEMA 5-15P to IEC C13, UNIV, 125V, 13A	20 ft	771-00311-00	
1	USB 2.0 A-Male to Serial (RS-232)	10 ft	771-00245-00	
1	USB 2.0 A-Male to B-Male w/Ferrite	20 ft	771-00305-00	Replaces the 12 ft USB cable in the IIC.
4	HDMI, Male-to-Male, CL2-Rated	20 ft	771-00307-00	One of these replaces the 12 ft HDMI cable in the IIC.
1	HDMI, Male-to-Male	2 ft	771-00306-00	
1	DisplayPort, Male-to-Male with latches	6 ft	771-00308-00	
1	CAT6, Male-to-Male RJ45	2 ft	771-00309-00	
1	CAT6, Male-to-Male RJ45	20 ft	771-00310-00	

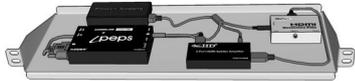
Optional: Interactive Input Controller Carton

Kit Part #: 055-00005-01

Applies to: Prysm 86, Prysm 85, Prysm 85 Dual, and Prysm 65

NOTE

The IIC is an optional component and may or may not have been included in the customer order.

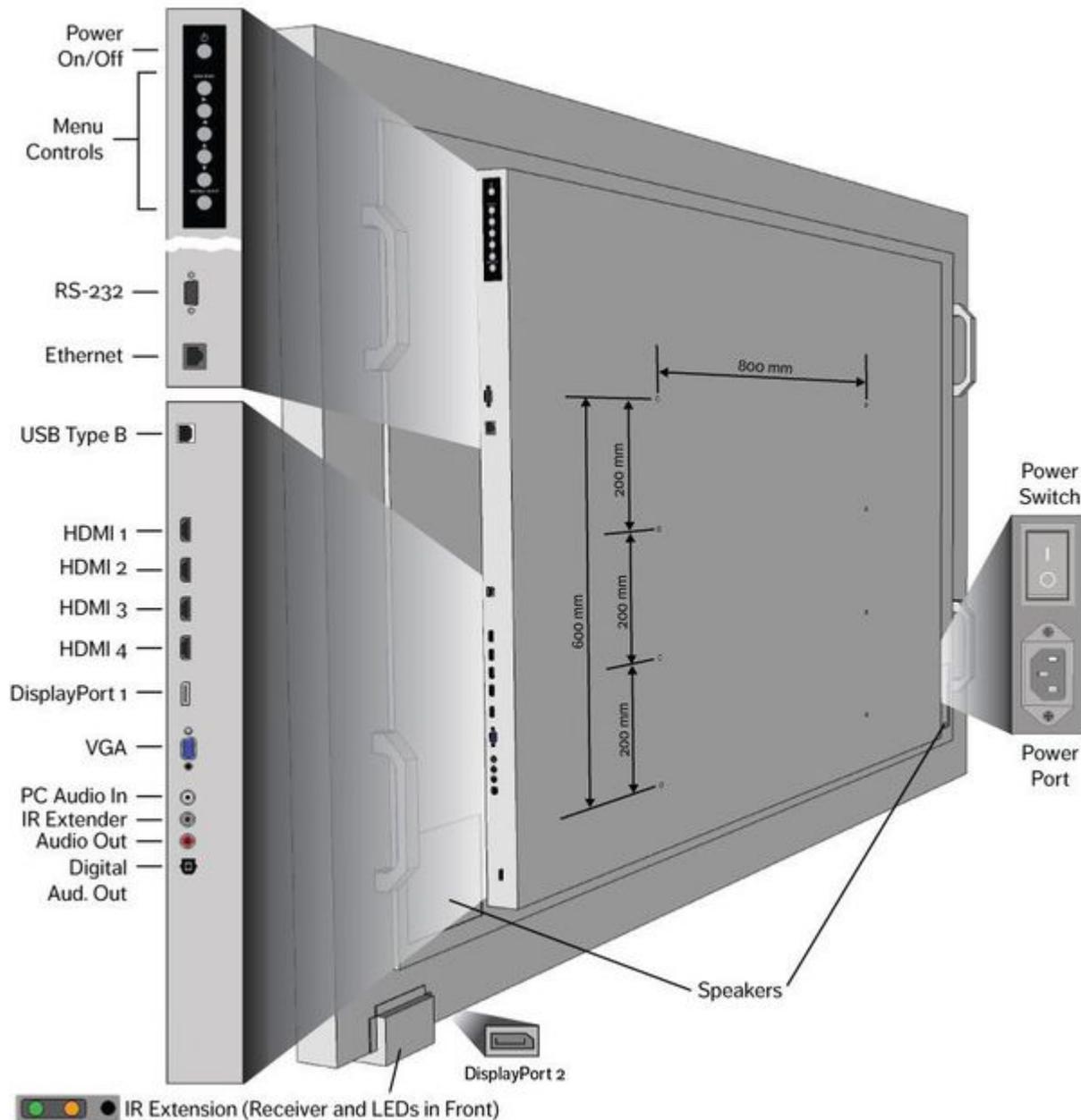
#	Item	Part Number	Notes
1	Interactive Input Controller 	055-00005-01	To be installed in the System Cabinet. The two coiled cables that come with the IIC will be replaced with cables from the Cable Kit.

2.2 Product Component Diagrams

Jump to > 2.1 Parts of the Prysm LCD Visual Workplace Stand

2.2.1 Prysm 98 Display

This shows the rear of the Prysm 98 display with the ports, controls, speaker areas, and 8 VESA mounting holes:

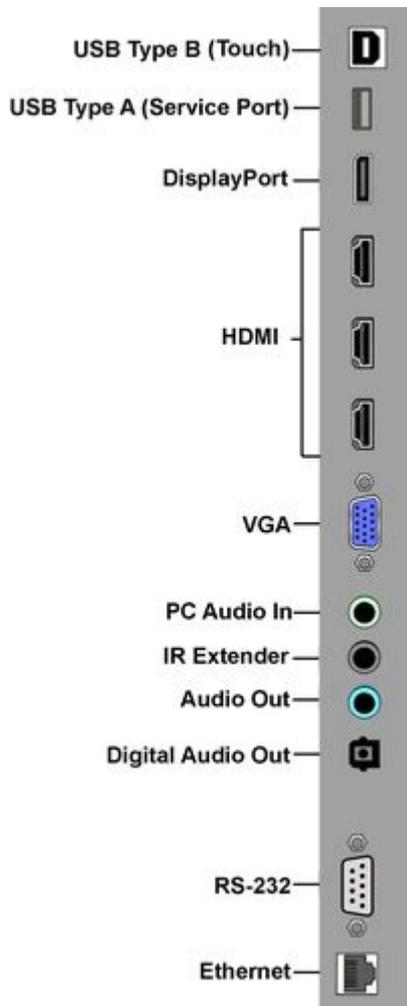


Note

Ensure that the plastic covering on the display unit is removed.

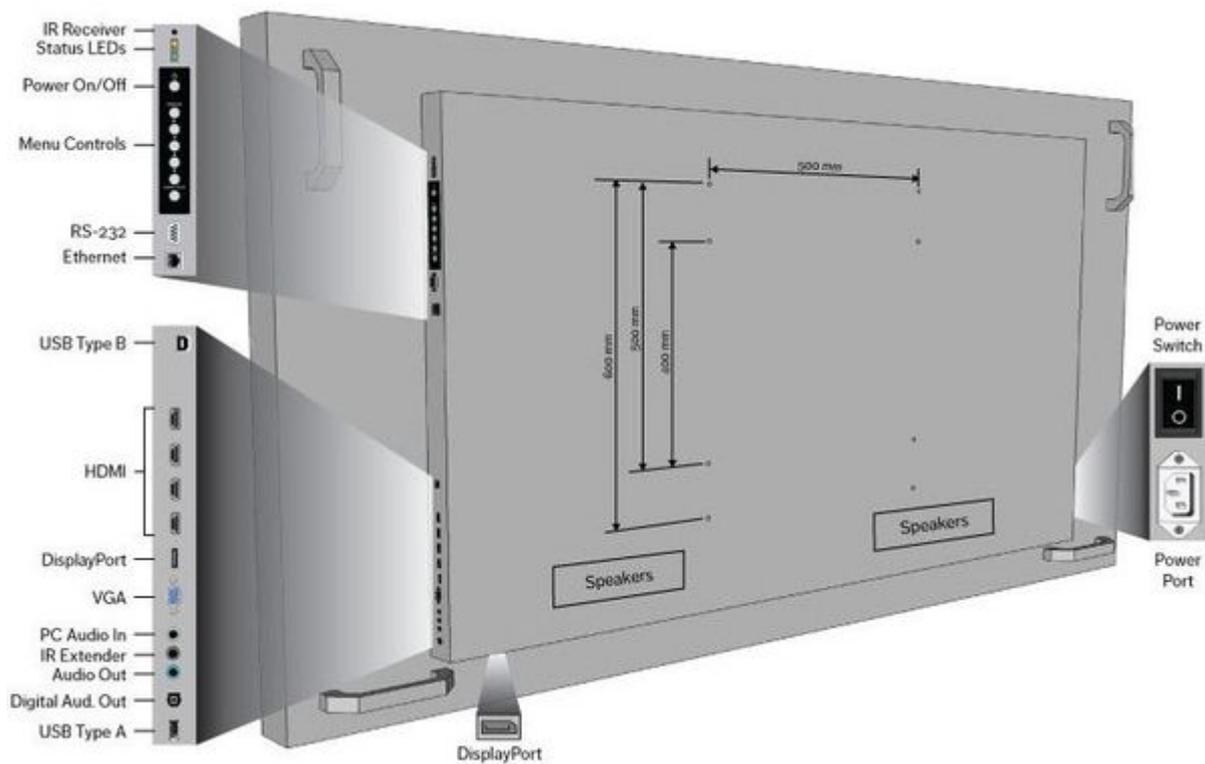
2.2.3 Prysm 86 Display

Similar to the Prysm 85 Display but with a rearrangement of the ports and controls. The port arrangement is shown in the following figure. (The keypad is below the ports but is the same as the Prysm 85.)



2.2.2 Prysm 85 Display

This shows the rear of the Prysm 85 display with the ports, controls, speaker areas, and 8 VESA mounting holes:



Note

Ensure that the plastic covering on the display unit is removed.

2.2.4 Prysm 84 Display

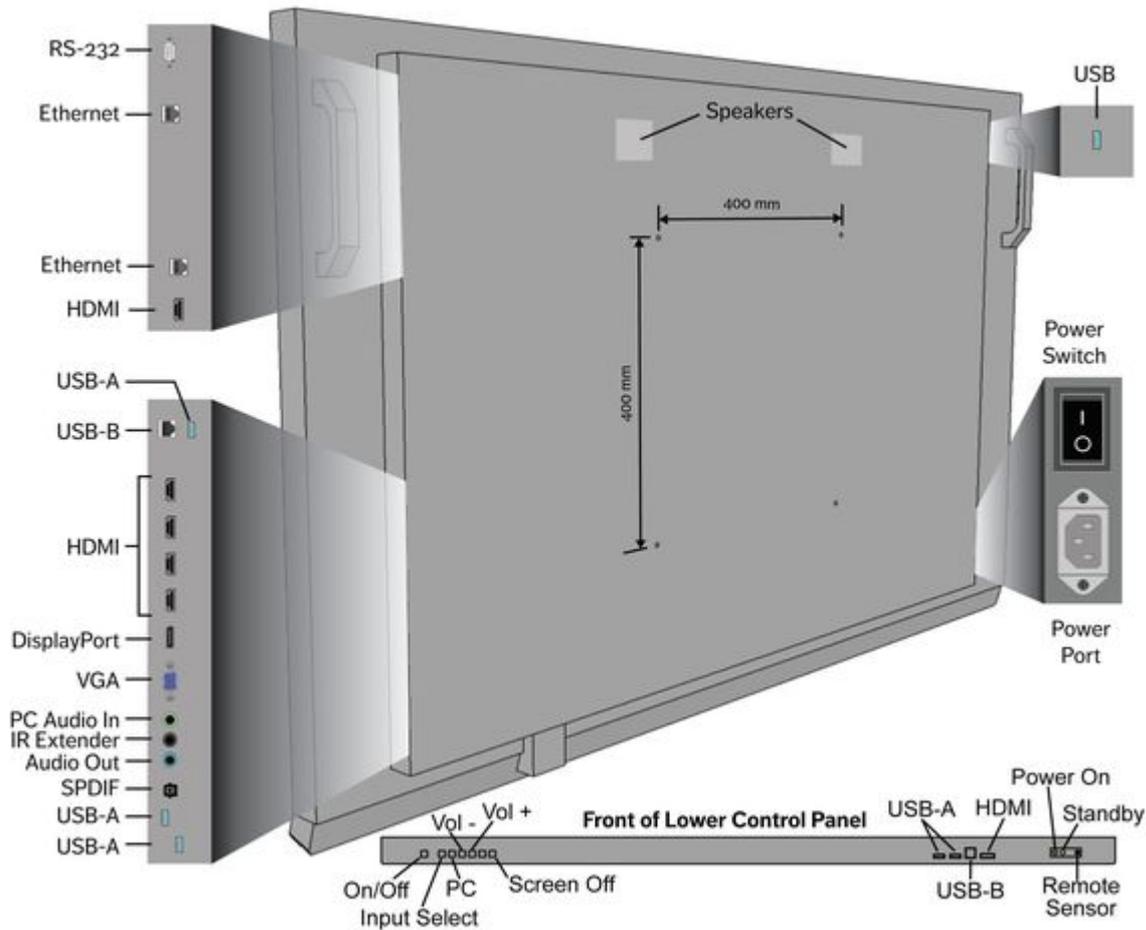
For a basic diagram of the Prysm 84 and the port locations, see the following image for the Prysm 65.

2.2.4 Prysm 75 Display

For a basic diagram of the Prysm 75 and the port locations, see the following image for the Prysm 65.

2.2.4 Prism 65 Display

This shows the rear of the Prism 65 display with the ports, controls, speaker areas, and 4 VESA mounting holes. It also shows the controls and ports on the control panel on the lower front of the display:

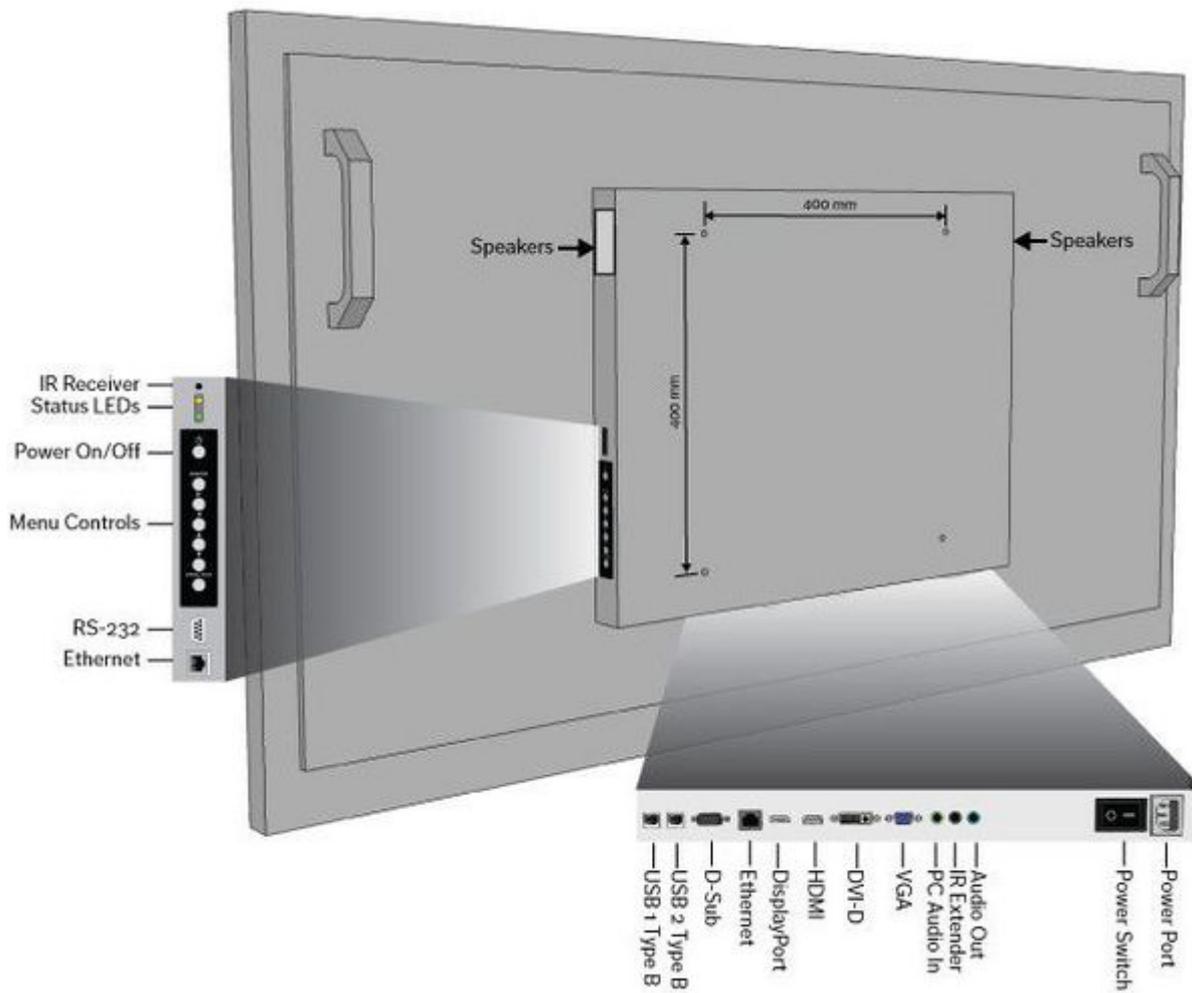


NOTE:

Ensure that the plastic covering on the display unit is removed.

2.2.5 Prysm 65 Core Display

This shows the rear of the Prysm 65 Core display with the ports, controls, speaker areas, and 4 VESA mounting holes:



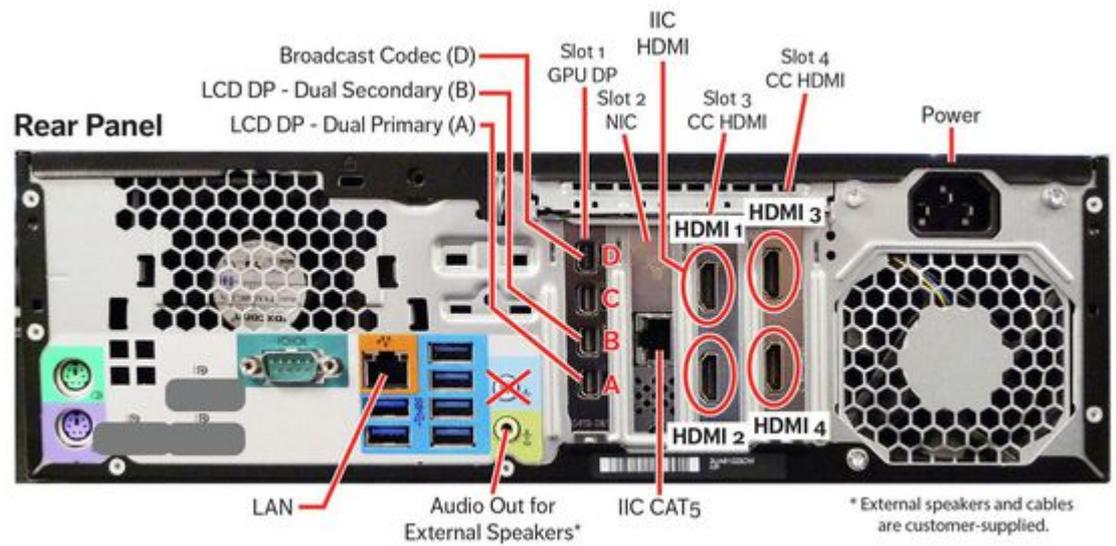
Note

Ensure that the plastic covering on the display unit is removed.

2.2.6 Prysm X30 Application Appliance

The following image shows the front and rear panels of the Prysm X30 Application Appliance with the ports:

Front Panel

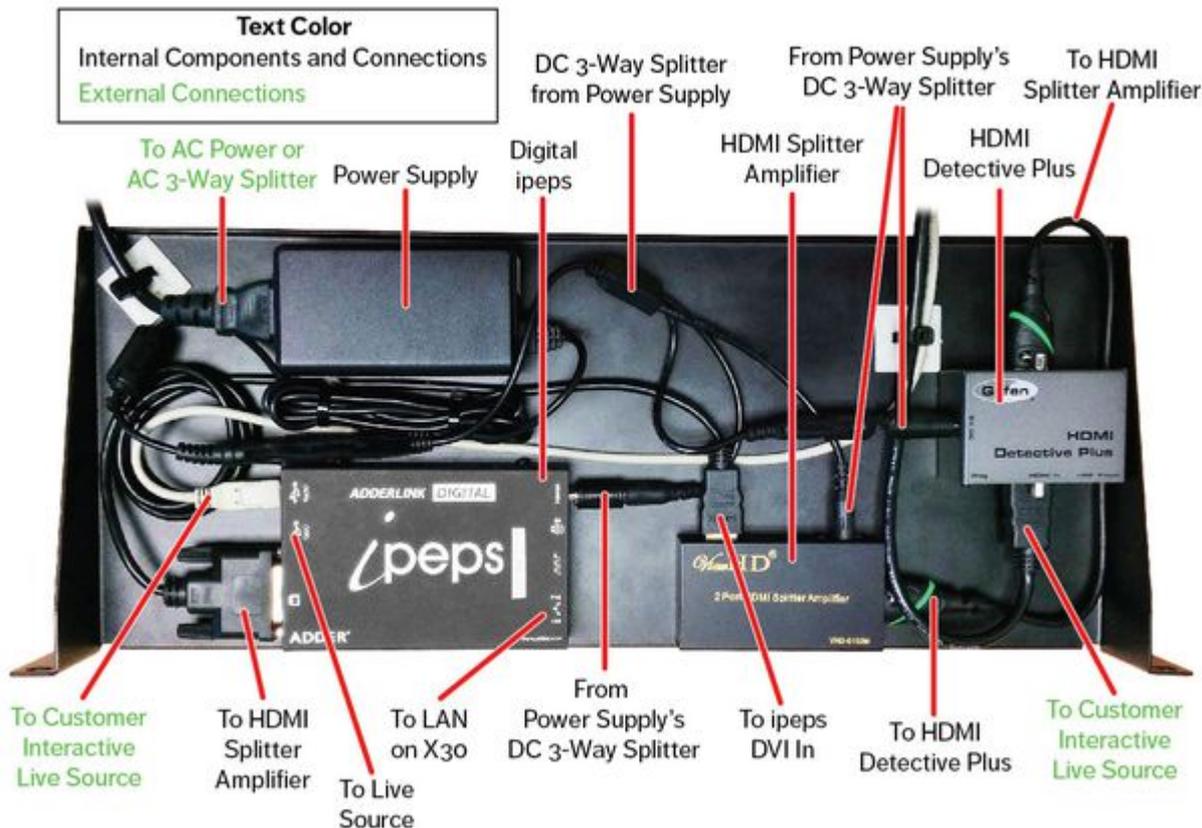


2.2.7 Optional: Interactive Input Controller

NOTE

The IIC is an optional component and may or may not have been included in the customer order.

The following image shows the Interactive Input Controller, the different components, and the used ports:



3. Assembly Procedures

The following subsections describe the full assembly of all of the Prysm LCD Visual Workplace products. This includes the assembly of the stand, the installation of the electronic components, installation of the display, and cable connections.

NOTE

The Prysm 98 does not come with a stand or Interactive Input Controller (IIC). There are no instructions in this guide for mounting the display, but the cabling diagram for the display, and the X30 Application Appliance, can be found in the separate product sections of [4. Cabling Procedures](#).

The steps to assemble the components of the Prysm Visual Workplace products are:

- [3.1 Assemble the Stand](#)
- [3.2 Install the Display Support Assembly](#)
- [3.3 Install the Camera Support](#)
- [3.4 Install the System Cabinet](#)
- [3.5 Set up the System Components](#)
- [3.6 Install the Display](#)
- [3.7 Install the Keyboard Shelf](#)
- [3.8 Apply the Labels](#)

3.1 Assemble the Stand

Jump to > 2.1 Parts of the Prysm LCD Visual Workplace Stand

# of Installers	Minimum of two		
Tools	Utility knife or boxcutter		
	17 mm and 20 mm open end wrenches		
	6 mm hex wrench (comes with stand in polybag)		
	#2 Phillips screw driver		
Parts from Stand carton	1	Stand Base with Casters	
	2	Support Columns	
	2	Center Support (for Keyboard Tray)	
Parts from Open Me First carton	4	Leveling Feet	773-01358-00
	2	Extra Column Slot Inserts	773-01359-00
Hardware	8	M8 x 25 mm Hex Cap screws	From Stand carton (A2 section of polybag)

NOTE

There are two stands for the Prysm 85 Dual product. Assemble both stands following these instructions. Cabling for the Prysm 85 Dual has only a few extra cables, described in [Step 4.3 Cable the Prysm 85 Dual](#).

NOTE

The Prysm 98 is wall-mounted and does not come with a stand. Ignore all stand and cabinet installation procedures and move directly to the cabling instructions in [4.1 Cable the Prysm 98](#).

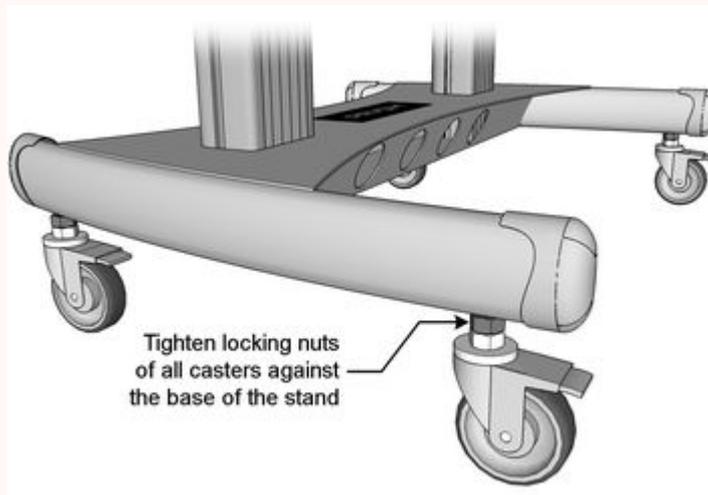
3.1.1 Instructions

1. Cut strapping on the Prysm LCD Visual Workplace stand (032-000017-01) carton and open the carton.
2. Remove bags of hardware. Save only the long M8 screws and the two hex wrenches.
3. Replace the four Casters on the Base with the Leveling Feet.
 - a. Use a 17 mm open end wrench to remove the Casters.
 - b. Use a 20 mm open end wrench to install the Leveling Feet.

WARNING

This assembly guide emphasizes the use of adjustable feet over the use of casters, but some customers want the display stand to be easily moveable and request that the casters be used. There is a safety issue if the casters are not tightened securely to the base of the display stand. The threaded rods can bend and the display stand can tip over.

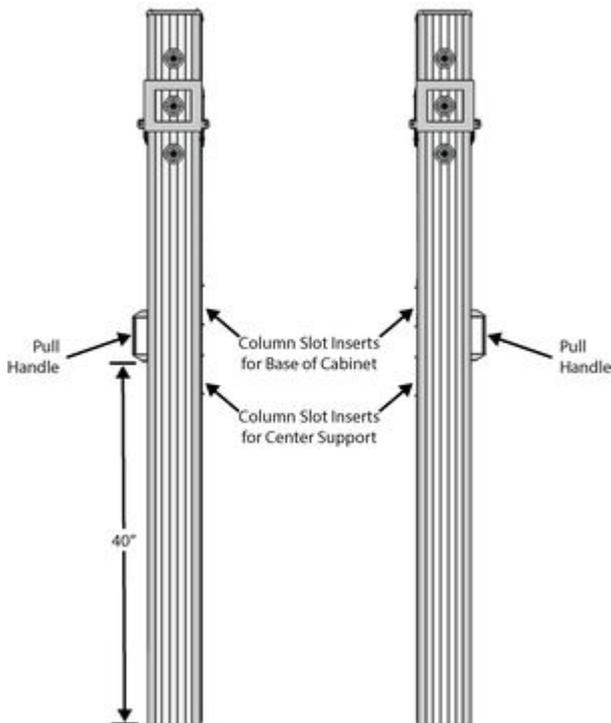
To make sure this doesn't happen, use a 17mm open end wrench to tighten the upper nuts (lock nuts) on the threaded rod of the casters to the base of the display stand. No part of the threaded rod should show.



4. To install the Support Columns to the Base, tip Base onto one of the long sides with one installer holding it upright.
5. Make sure the Cap at the top of each Support Column is held in place by two screws.
 - Make sure the screws are on the front (grommet) side of each column.
 - Leave the holes on the rounded edge empty.



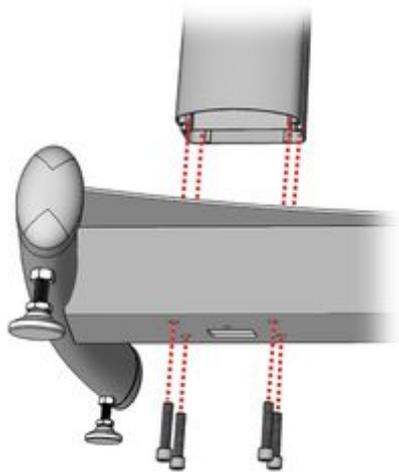
6. Make sure the Pull Handles are positioned so the lower edges are 40 inches up from the bottom edge of the columns. If not, loosen the screws on the handles *just enough* so you can slide them in the slot. Move them into position and tighten the screws with a #2 Phillips screwdriver.
7. For each column, slide one Column Slot Insert up from the bottom of the inner slot, just under the pre-installed insert.
 - Make sure the tabs face out from the slot and the hole is at the top.
 - There should now be two Column Slot Inserts in each Support Column as shown below:



8. Install one of the Support Columns by fitting the lower end into one of the holes in the Base so that the Handle is on the outside.
 - a. Use a 6 mm hex wrench (from B2 section of polybag) to connect the columns to the Base with four M8 hex cap screws (from A2 section of polybag).
 - b. Make sure the column is square to the base and the four screws are very tight.

NOTE

At this point, take note of the holes in the Base at the bottom of the columns. This is where cables will be fed out of the stand.

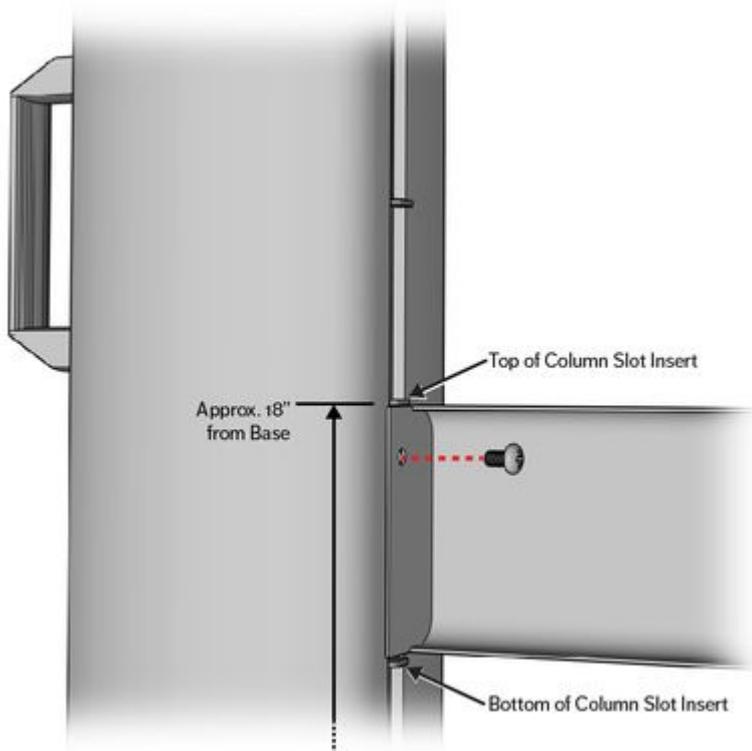


9. Install the other Support Column in the same way.
10. Lift the stand into the upright position.

NOTE

The Center Support spans the two Support Columns giving added rigidity to the stand. Do not leave out this part. It can also be used as the support for the keyboard tray, if the customer wants it. If not, the Center Support can be moved to be just up behind the lower edge of the display, out of view.

11. Install the Center Support onto the two *lower* Column Slot Inserts with the open side facing the back of the stand, as follows:
 - a. Remove the screws that came pre-attached to two of the Column Slot Inserts.
 - b. Position the two lower Column Slot Inserts level to each other, so the tops are about 18 inches from the Base. (Can be repositioned later, after the display is installed.)
 - c. Slip one end of the Support Column between the tabs on an Insert.
 - d. Fit the other end between the tabs of the opposite Insert.



- e. Hold the Center Support loosely in place with the two screws taken from the upper Column Slot Inserts.
- f. Square the Center Support to the columns and tighten the screws with a #2 Phillips screw driver.

3.2 Install the Display Support Assembly

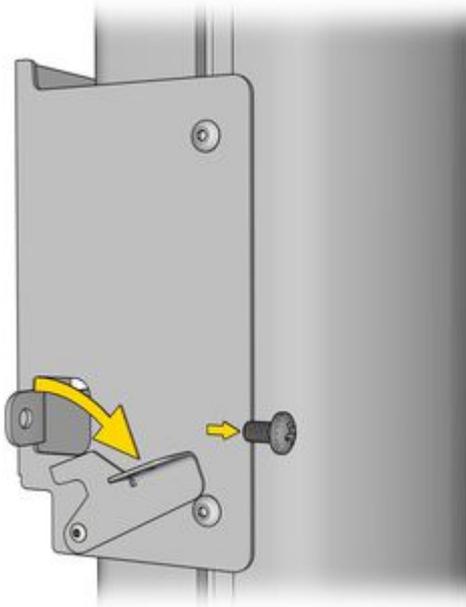
Jump to > 2.1 Parts of the Prysm LCD Visual Workplace Stand

# of Installers	One		
Tools	5 mm hex wrench (From Stand carton in polybag)		
	#2 Phillips screw driver		
Parts	Display Stand as currently assembled		
	1	Camera Support Connector	From Stand carton
	1	Display Support Plate	From Stand carton
Hardware	Screws pre-installed in the Camera Support Connector		

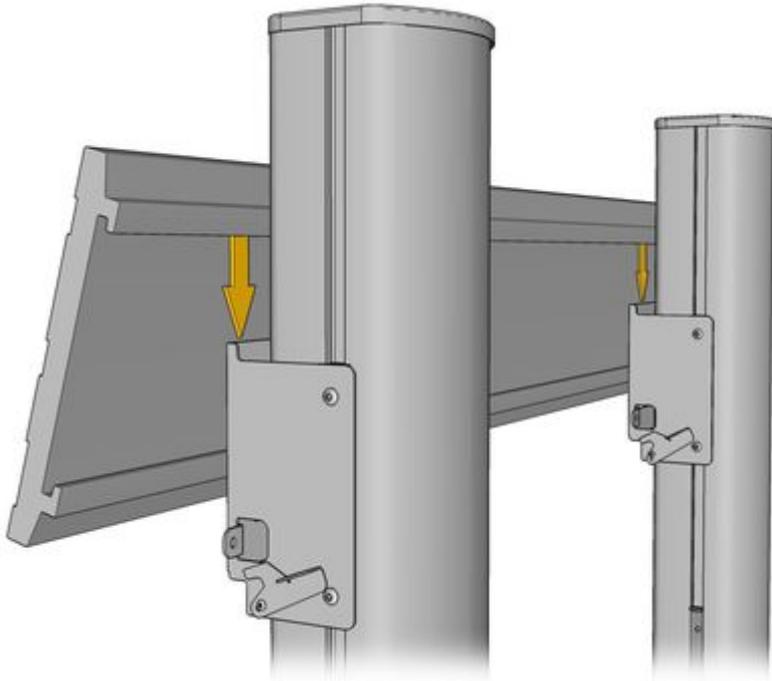
3.2.1 Instructions

Install the Display Support Plate as follows:

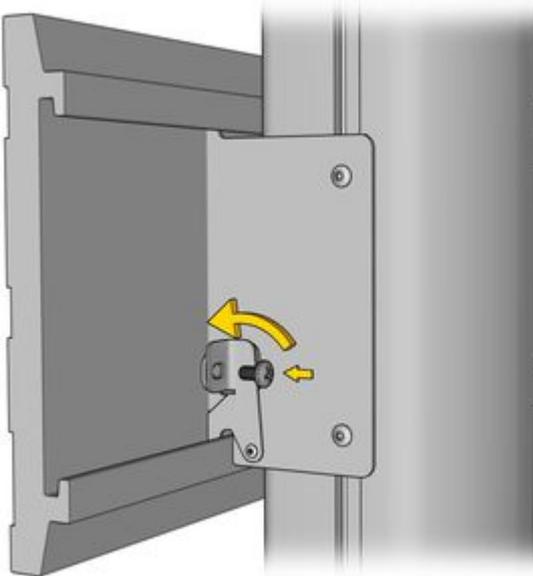
1. With a #2 Phillips screw driver, remove the screws from all four Display Support Plate Locks on the Display Height Brackets and tilt the locks back. *Save the screws to replace later.*



2. Center the Display Support Plate with the two Display Height Brackets before you snap it into position.
3. Once the plate is centered, press down hard on the top edge until it snaps onto the Display Height Brackets.

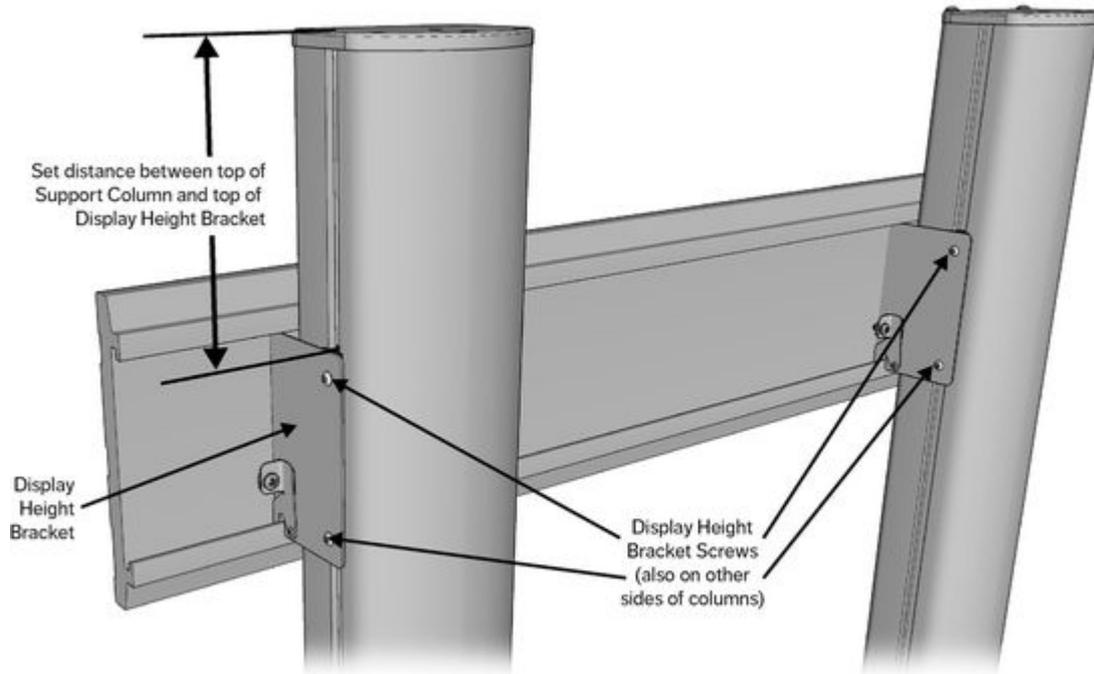


4. Rotate each Display Support Plate Lock back into position and reinstall the screws with a #2 screw driver.



5. With a 5 mm hex wrench, loosen all 8 screws on the Display Height Brackets and set the distance between the tops of the Support Columns and the tops of the Display Height Brackets as follows:

Display Size	Feet or Casters	Set the Display Height Bracket To Support Column Cap Distance
86"	Feet	Try 9" and adjust as necessary
	Casters	Try 12" and adjust as necessary
85"	Feet	13"
	Casters	10"
65"	Feet	12"
	Casters	15"



6. Tighten screws on Display Height Brackets.

3.3 Install the Camera Support

Jump to > 2.1 Parts of the Prysm LCD Visual Workplace Stand

# of Installers	One or two		
Tools	#2 Phillips screw driver		
Parts	Display Stand as currently assembled		
	1	Camera Support Platform	From Stand carton
	1	Camera Support Bar	From Stand carton Screws attached
	1	Camera Support Connector	From Stand carton (two parts) Screws attached

3.3.1 Instructions

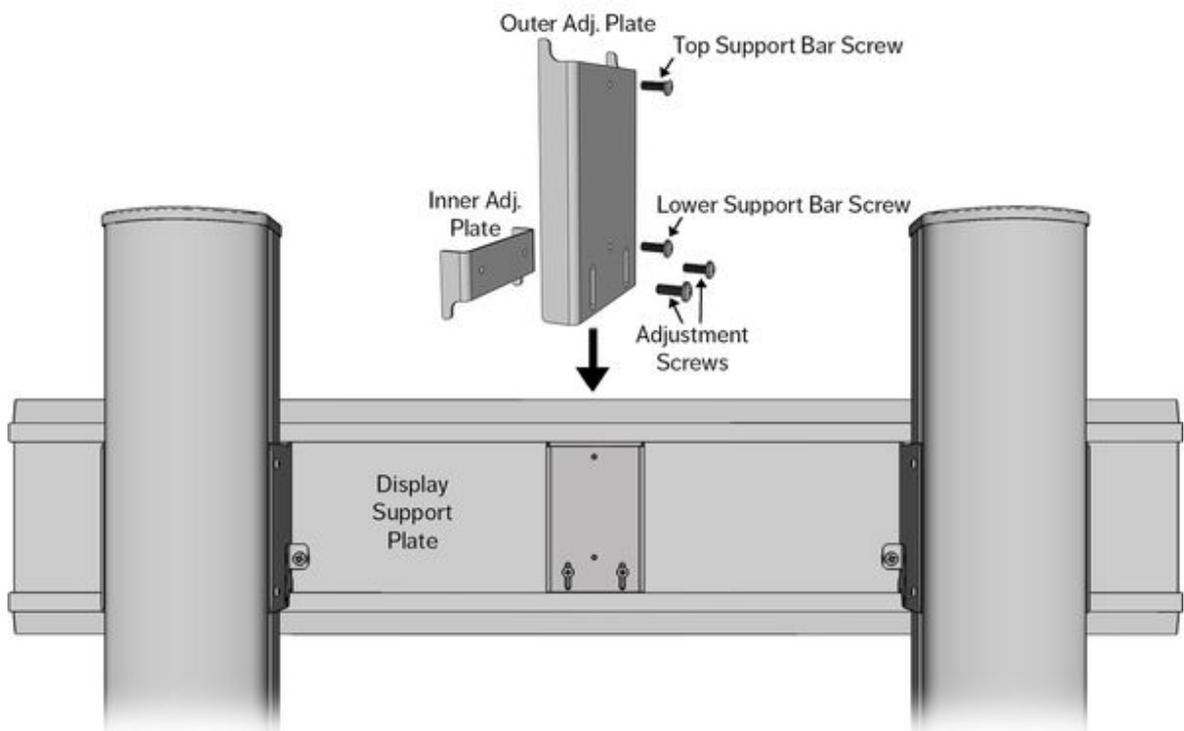
NOTE

The Camera Support assembly should be installed before the System Cabinet is installed.

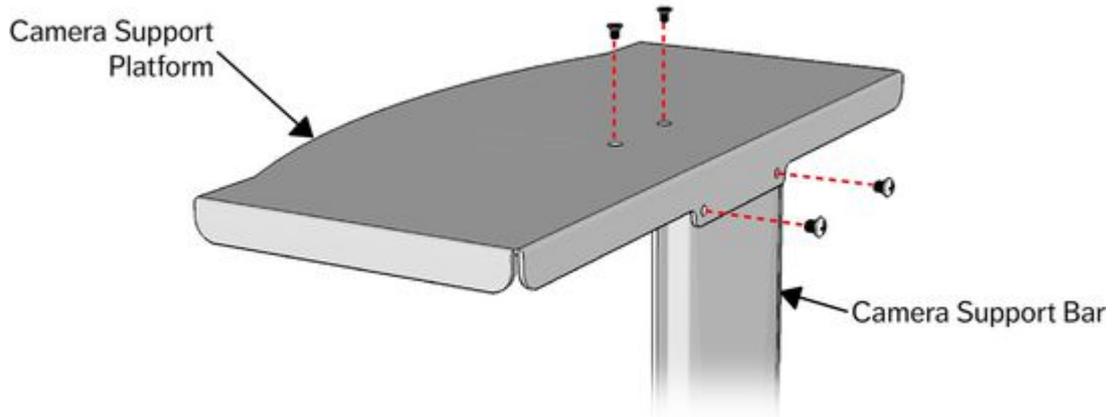
IMPORTANT

The Camera Support Connector must be installed in a specific way so that the lower of the two center screws does not run up against the Inner Adjustment Plate. Follow these instructions exactly, using the illustration as a guide to the part names.

1. To install the Camera Support Connector to the rear of the Display Mounting Plate:
 - a. With a #2 Phillips screw driver, remove the Top Support Bar Screw and set aside for installing the Support Bar.
 - b. Unscrew the Lower Support Bar Screw until just before the screw comes out.
 - c. Slightly loosen the left and right Adjustment Screws (in slotted holes) that attach the two plates to each other so they will slide apart.
 - d. Fit the plates into the rear of the Display Support Plate so that the top of the outer plate fits into the upper groove of the support plate and the bottom of the inner plate fits into the lower groove of the support plate.
 - e. Making sure the connector is centered, hold the outer plate up into the upper groove so that the two plates are fully separated.
 - f. *Instead* of tightening the two adjustment screws (which will make the Inner Adjustment Plate rise up slightly), screw in the Lower Support Bar Screw over the top of the Inner Adjustment Plate.
 - g. Tighten the Adjustment Screws all the way.
 - h. Remove the Lower Support Bar Screw and set aside with the Upper Support Bar Screw.



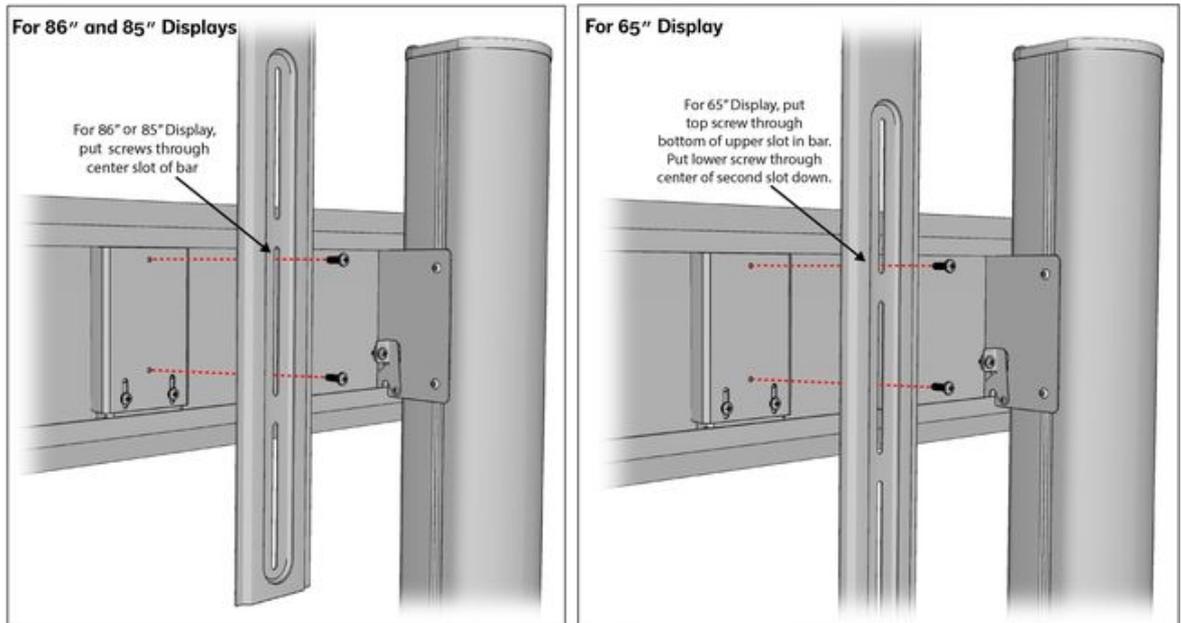
2. To assemble the Camera Support:
 - a. Use a #2 Phillips screw driver to remove the 4 screws from the top part of the Camera Support Bar.
 - b. Place the Camera Support Platform on top of the bar.
 - c. Reinsert and tighten the screws.



NOTE

The height setting for the Camera Mount depends on the size of the display. Use the following settings based on screw placement within the slots of the support bar.

3. To install the Camera Support:
 - a. Place the Camera Support Bar against the Camera Support Connector plate so that the slots in the bar align with the vertically-aligned screw holes in the connector plate, as shown:



- b. Replace and tighten the screws removed earlier from the plate.

3.4 Install the System Cabinet

Jump to > 2.1 Parts of the Prysm LCD Visual Workplace Stand

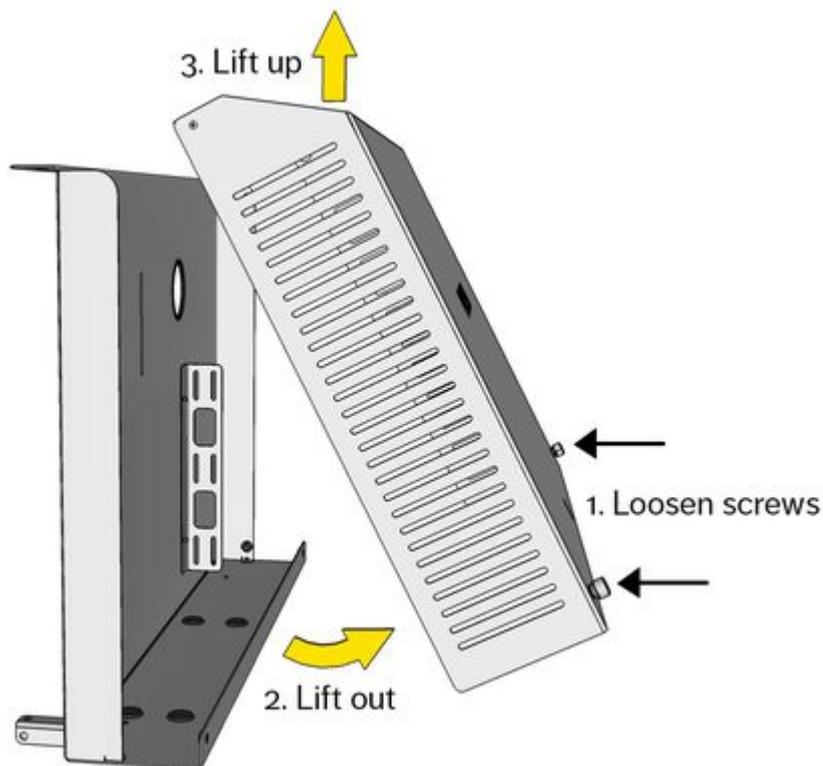
# of Installers	Two		
Tools	Socket wrench with 13 mm (or ½") socket		
	4 mm hex wrench		
	#2 Phillips screw driver		
Parts	Display stand as currently assembled		
	1	System Cabinet (Cabinet Shelf and Cover)	050-00330-01 From Cabinet carton
Hardware	2	Self-tapping 5/16" flange bolts with ½" hex cap	773-01918-00 From Cabinet carton
	2	M6 flanged socket cap screws	773-01267-00 From Cabinet carton

NOTES

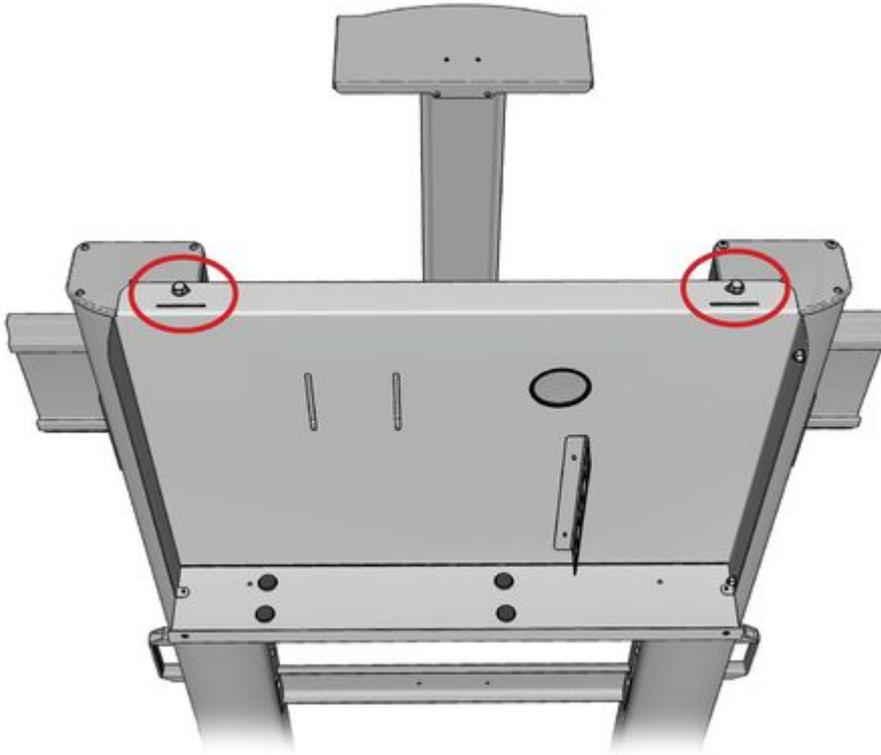
- For the Prysm 85 Dual with two stands, you will install a System Cabinet and all contained components only on the Primary Stand.
- The Prysm 98 does not come with a stand. For the Prysm 98, ignore all stand and cabinet installation procedures and move directly to the cabling instructions in 4.1 Cable the Prysm 98.

3.4.1 Instructions

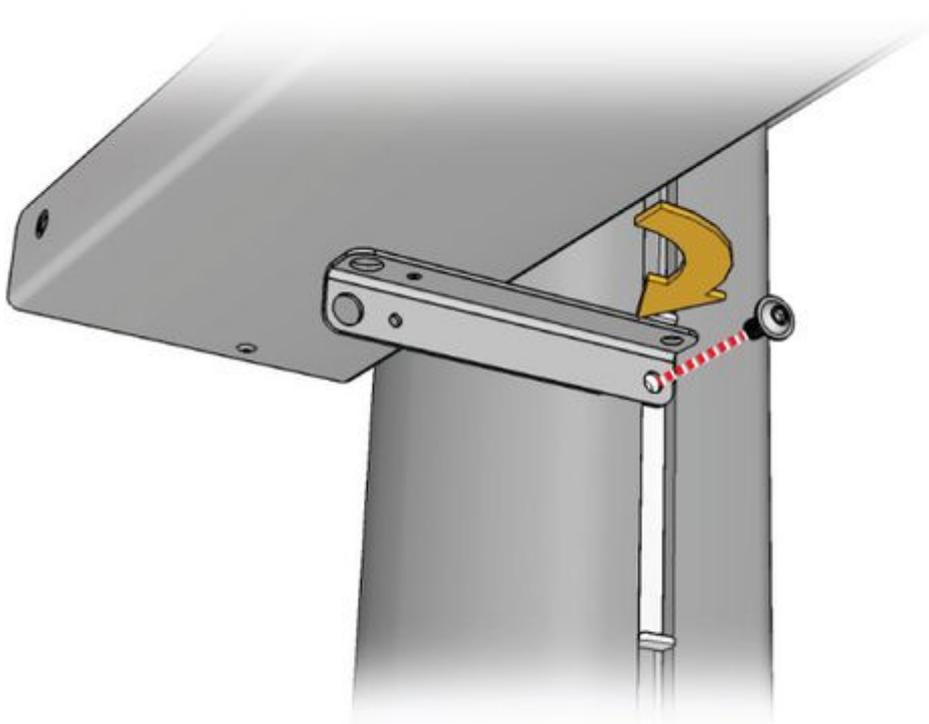
1. Remove the cover from the System Cabinet shelf by unscrewing the two captive screws at the base of the cover, then lifting out and up.



- Lift the Cabinet Shelf onto the rear of the stand and hang the lip at the top edge over the two Support Column caps. Align the holes in each end of the lip with the corner holes in the Column Caps. With one person holding the cabinet in place, the other person can install a self-tapping 5/16" flange bolts with 1/2" cap into the top of each hole using a 13 mm or 1/2" socket wrench.



- Pivot one of the two Support Brackets out from beneath the cabinet and align the hole with the hole at the top of the *upper-most* Column Slot Insert.
- Connect the Support Brackets to the Column Slot Insert with one of the M6 flanged socket cap screws using a 4 mm hex wrench. Tighten the screw until the Column Slot Insert does not move in the slot.



- Repeat this procedure with the Support Bracket on the other side.

3.5 Set up the System Components

Jump to > 2.1 Parts of the Prysm LCD Visual Workplace Stand

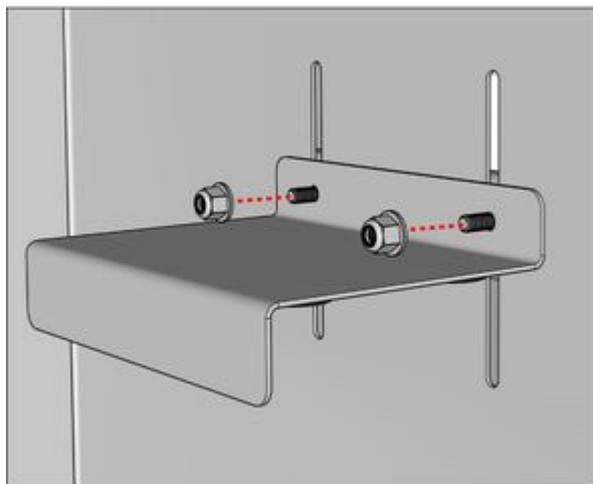
NOTE

The height setting for the Camera Mount depends on the size of the display. Use the following settings based on screw placement within the slots of the support bar.

# of Installers	One		
Tools	10 mm socket wrench		
Parts	Display stand as currently assembled		
	1	System Cabinet with Z-Bracket and Z-Bracket Base Plate	050-00330-01
	1	Prysm X30 Application Appliance	055-00032-00 From Prysm X30 Application Appliance carton
	1	Interactive Input Controller (not offered with the Prysm 98 or Prysm 65 core)	055-00005-01 From Interactive Input Controller carton
Hardware	4	M6 locknuts	773-01267-00 From X30 Prysm Application Appliance carton

3.5.1 Instructions

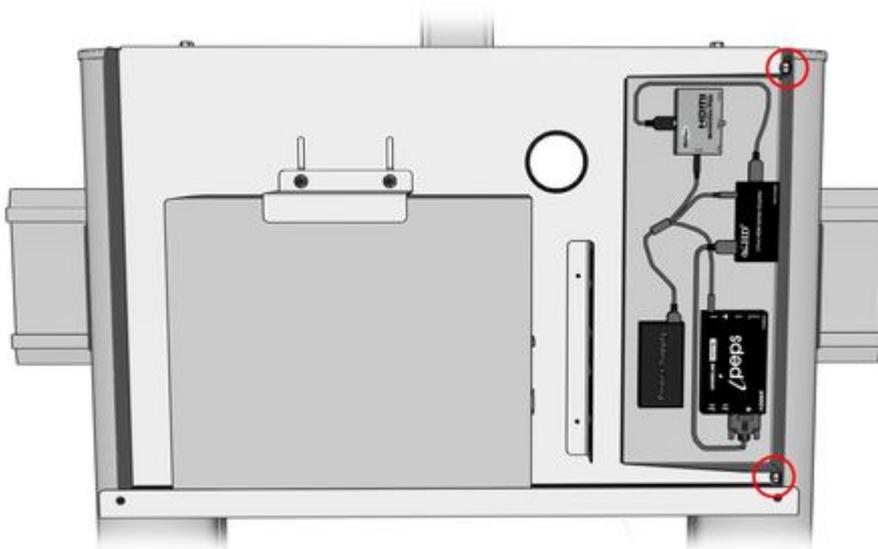
1. If the cabinet cover is in place, remove it by unscrewing the two captive screws at the base of the cover, then lifting out and up.
2. Reaching up between the display and the cabinet, feed the threaded posts of the Z-Bracket Base Plate through the two slots in the cabinet so the posts appear inside the cabinet.
3. Fit the Z-Bracket to the posts on the inside of the cabinet so that the flange points downward (posts at top).
4. Holding the base plate from the other side of the cabinet, *loosely* fit the two posts inside the cabinet with two M6 locknuts, as shown:



5. Install the Prysm X30 Application Appliance by setting it in the cabinet with the front panel facing to the left and the top facing you. Center the X30 over the 4 rubber pads on the bottom of the shelf.
6. Slide the Z-Bracket down over the X30, and tighten the Nylock nuts with a 10 mm socket wrench.



7. If the customer order includes an Interactive Input Controller (does not come standard), install by fitting the tray into the right side of the cabinet so that two of the mounting holes go over the threaded posts on the side of the cabinet.
8. Screw two M6 locknuts onto the threaded posts and tighten with a 10 mm socket wrench.



9. Reinstall the cover on the Cabinet Shelf.

3.6 Install the Display

Jump to > [2.1 Parts of the Prysm LCD Visual Workplace Stand](#)

IMPORTANT

The following instructions do not apply to the Prysm 98 which is a wall-mounted display.

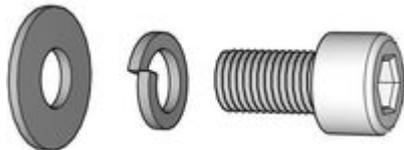
# of Installers to set up the display	One	
# of Installers to lift the display	Minimum of four	
Tools	6 mm hex wrench	
	#2 Phillips screw driver	
Parts	Display stand as currently assembled	
	1	Display (one of the following:) <ul style="list-style-type: none"> • 86" - 030-00076-00 • 85" - 030-00043-00 (There are two 85" displays with the Prysm 85 dual) • 65" - 030-00042-00 • 65" Core - 030-00054-00
	2	Display Hook Brackets Comes with stand
Hardware	Hook Bracket Attachment Hardware: From the Open Me First carton	
	8	<ul style="list-style-type: none"> • M8 hex cap screws • 773-00888-16
	8	<ul style="list-style-type: none"> • flat washers • 773-00738-00
	8	<ul style="list-style-type: none"> • lock washers • 773-00190-00

NOTE

There are two displays for the Prysm 85 Dual product. Install a display on each stand following these instructions.

3.6.1 Instructions

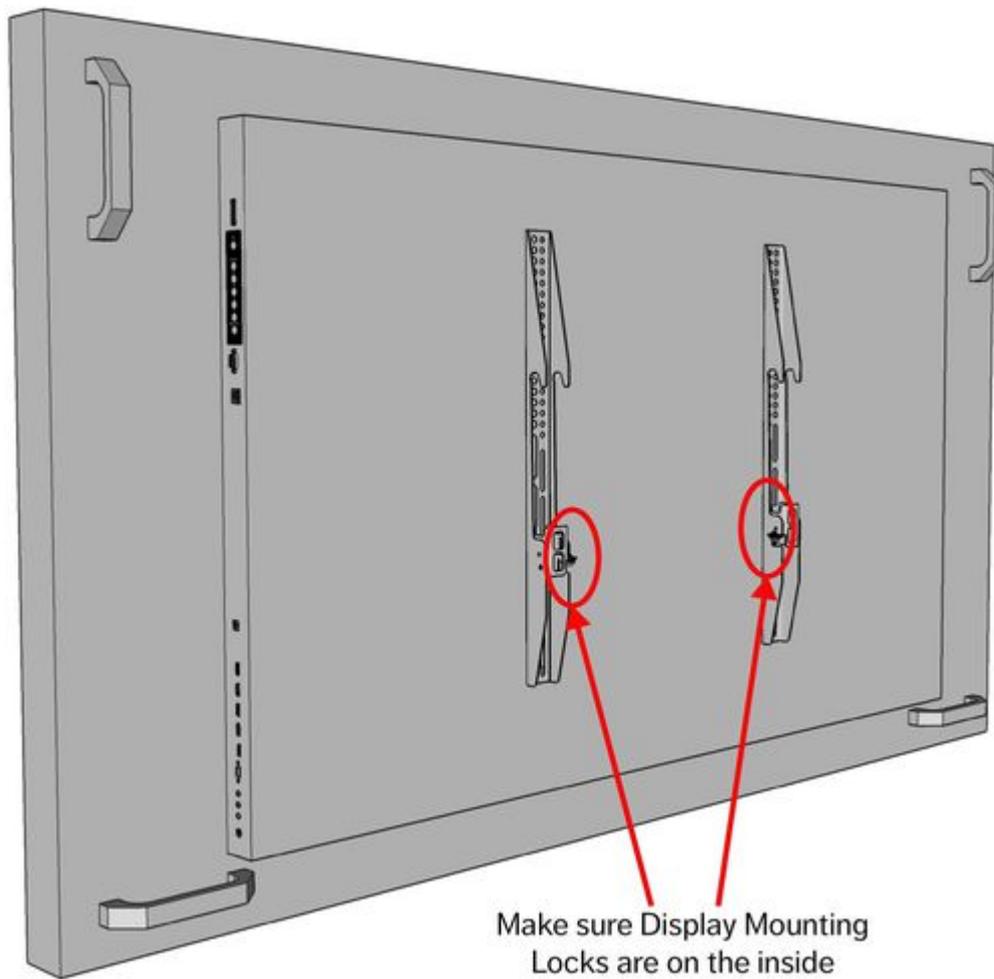
1. Make sure the display height setting has been made to the Stand (see [3.2 Install the Display Support Assembly](#)).
2. Cut the strapping on the display carton, remove the white plastic tabs near the bottom of the box, and lift off the top of the box. Leave the display upright in the lower section of the box.
3. Untape the plastic bag, and pull it down around the display.
4. Remove any plastic film taped to the back of the display.
5. Remove all of the screws and washers from the VESA holes and discard them.
6. For each M8 hex cap screw used, first slip a lock washer, then a flat washer, onto the screw shaft.



NOTE

You will use 4 to 6 screw sets for the 86" and 85" display and 4 screw sets for the 65" displays.

7. Orient the Display Hook Brackets on the rear of the display so that the holes (not slots) are at the top and the Display Mounting Plate Locks are on the inside.

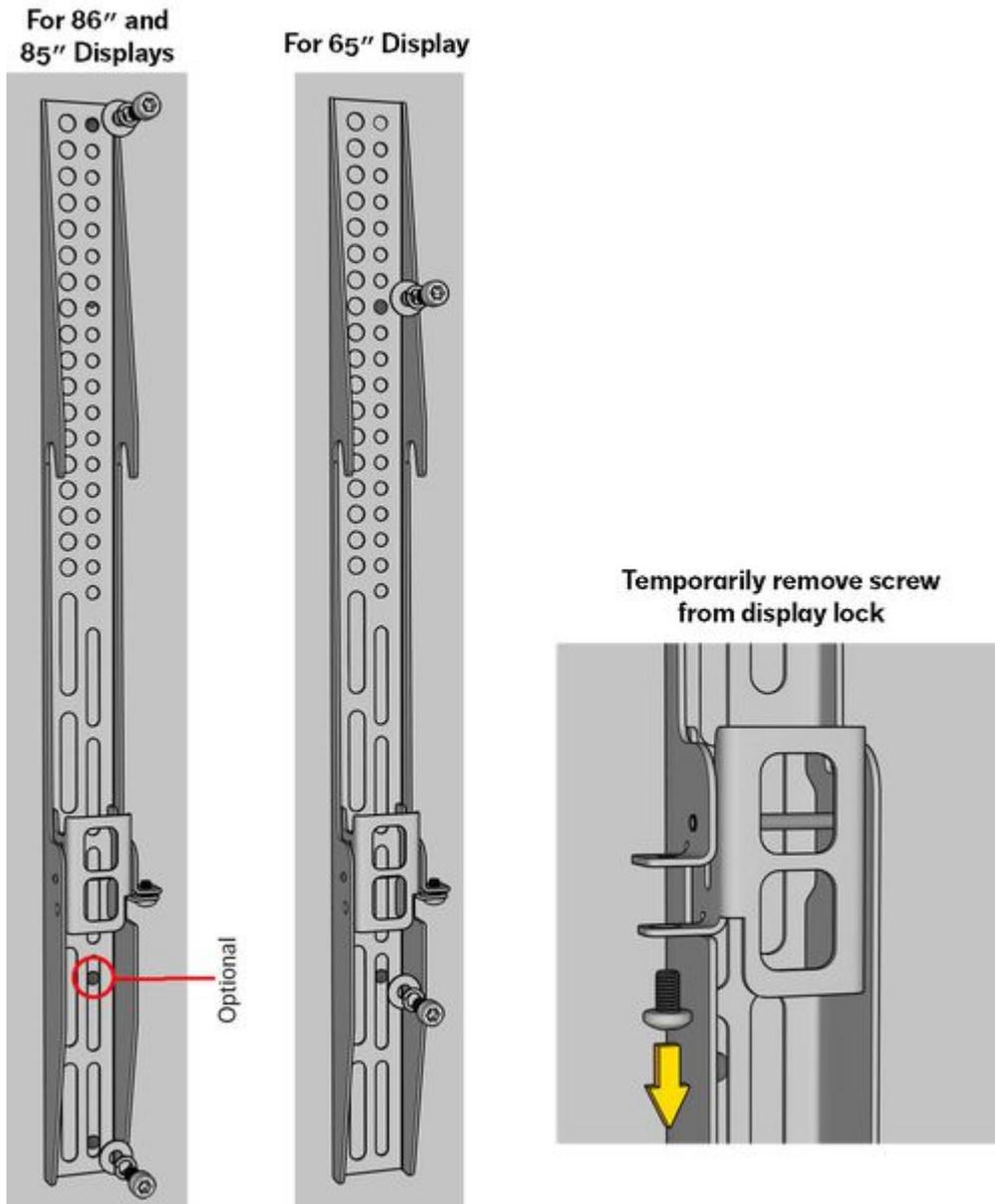


8. Install the Display Hook Brackets - 86" and 85" display:

- a. Using a 6 mm hex wrench, install a screw (with spring and flat washers) through the smaller top hole in the bracket and mount it into the top VESA hole in the display.
- b. Install another screw through the lowest thin slot of the bracket into the lowest VESA hole in the display.
(For extra security, you can install a third screw through the second thin slot from the bottom of the bracket into the second VESA hole up in the display.)
- c. Tighten the screws.

9. Install the Display Hook Brackets - 65" and 65" Core display:

- a. Using a 6 mm hex wrench, install a screw (with spring and flat washers) through the smaller eighth hole down in the bracket and into the top VESA hole in the display.
- b. Install another screw through the second thin slot from the bottom into the lowest VESA hole in the display.
- c. Tighten the screws.



- 10. With a #2 Phillips screw driver, remove the screw on the Display Lock on both Display Hook Brackets, as shown above. Keep the screws to reinstall later.

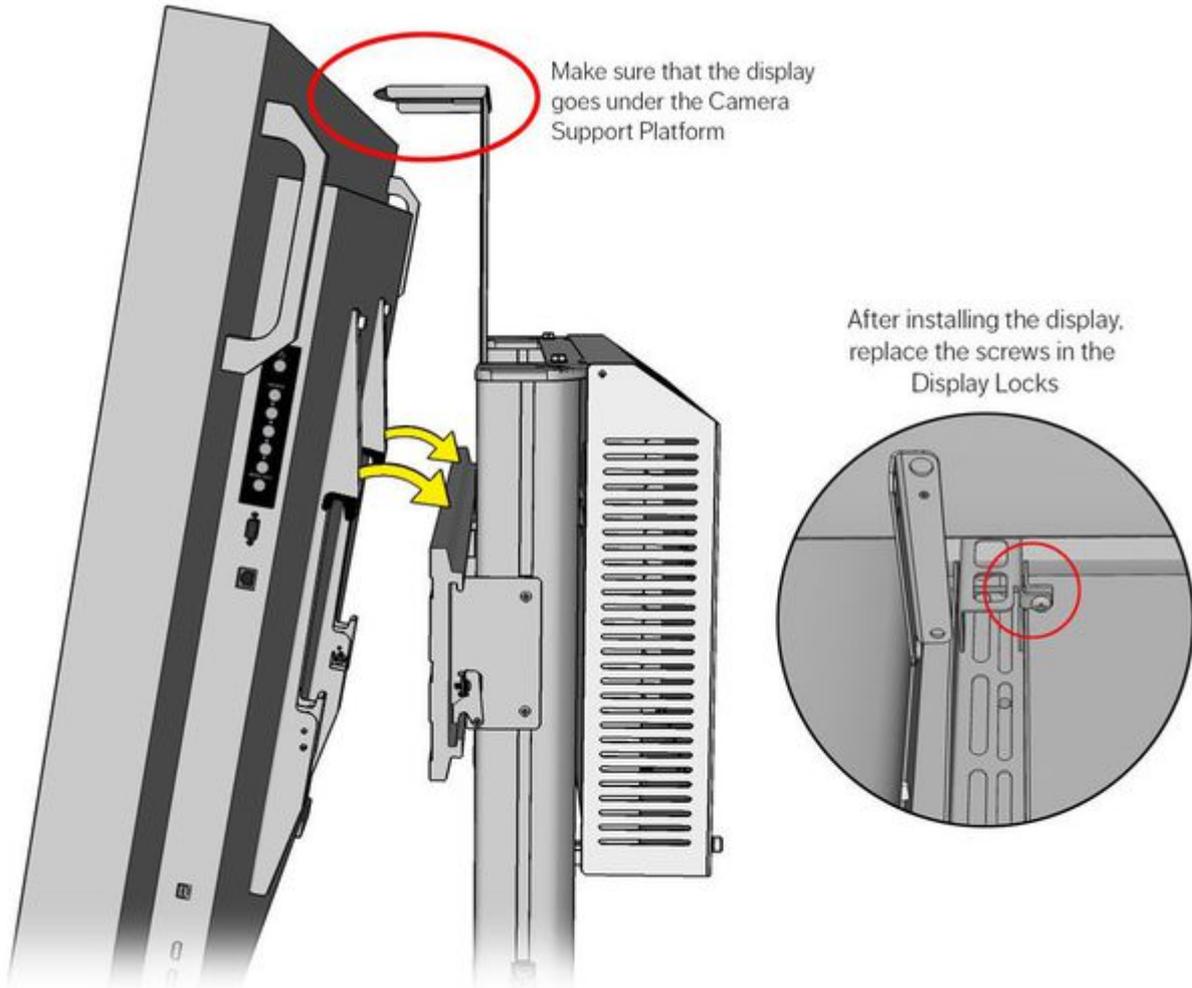
CAUTION

Be aware of the Camera Mount when installing the display. Ensure that the top edge of the display does not hit the Camera Platform.

11. Lift the display up to the Display Support Plate on the Prysm stand and hook the hooks over the top edge of the plate. Center the display on the plate.

NOTE

Make sure the plastic hook covers that are snapped onto the hooks do not come off while installing the display.



12. With a #2 Phillips screw driver, lock the display onto the Display Support Plate by lifting up the Display Mounting Plate Locks on each Display Hook Bracket and replacing the screws removed earlier. Tighten screws.
13. At this point, the keyboard shelf can be repositioned so that the surface of the shelf is about 10 inches below the lowest edge of the display. To do this, loosen the two screws holding the Center Support, move to desired height, and retighten the screws.

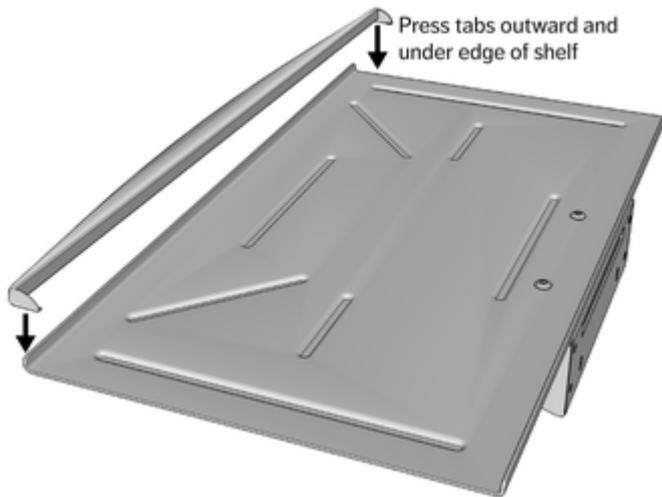
3.7 Install the Keyboard Shelf

Jump to > 2.1 Parts of the Prysm LCD Visual Workplace Stand

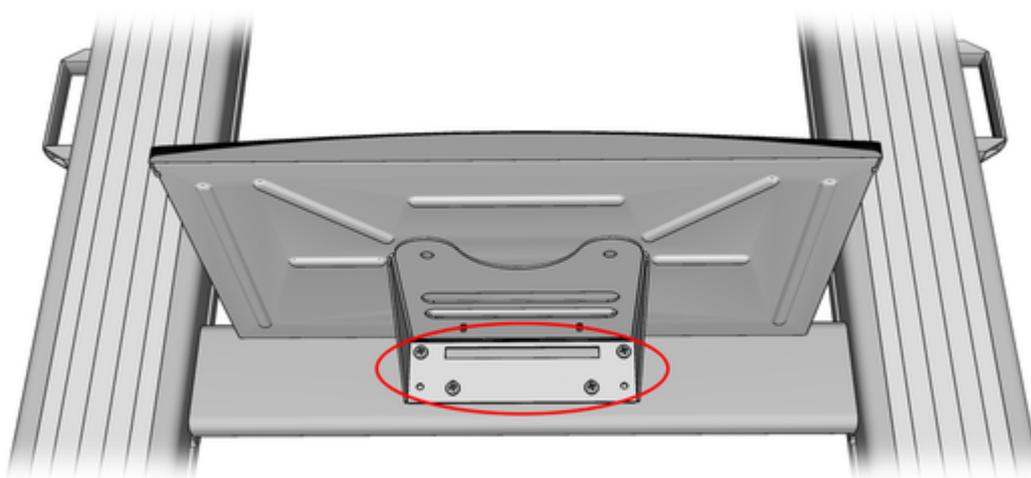
# of Installers	One	
Tools	#2 Phillips screw driver	
Parts	1 Keyboard Shelf	From Stand carton with attached screws
	1 Plastic Wrist Rest	From Stand carton

3.7.1 Instructions

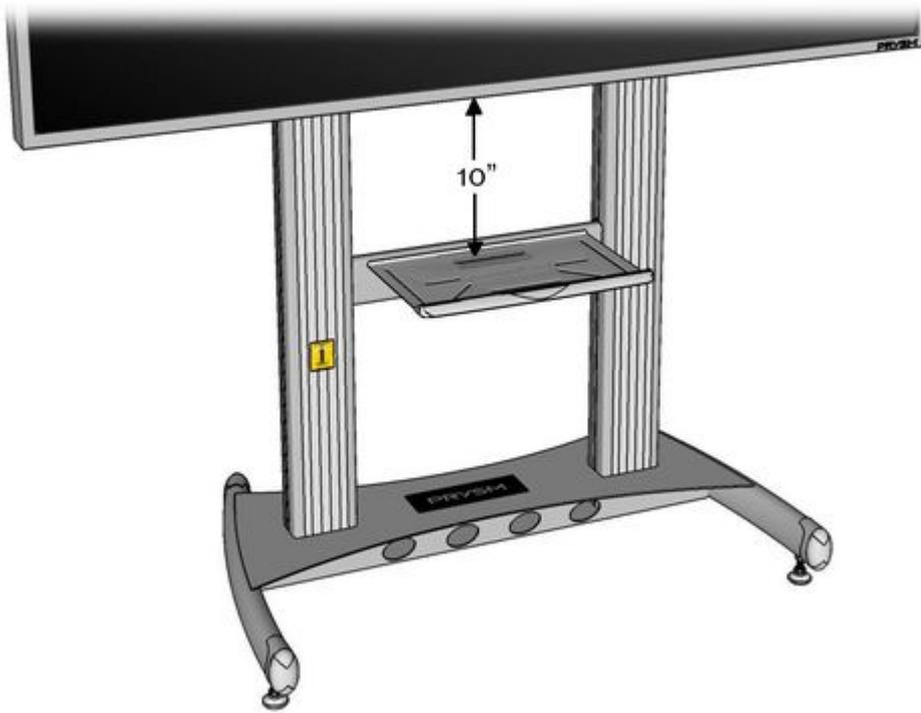
1. Connect the plastic Wrist Rest to the Keyboard Shelf by pressing it over the front lip of the shelf, then spread the tabs on either side and snap them around the edge of the shelf. This takes a little effort to get it locked into place.



2. With a #2 Phillips screw driver, remove the four screws from the connector plate of the Keyboard Shelf.
3. At the front of the stand, hold the Keyboard Shelf up against the Center Support.
4. Fasten the shelf with the four screws through the holes in the underside of the shelf into the holes in the Center Support.



5. If you need to adjust the height of the keyboard shelf (recommended 10" down from the lowest edge of the display), loosen the two screws of the Center Support, slide the assembly up or down, then re-tighten the screws.



3.8 Apply the Labels

Jump to > 2.1 Parts of the Prysm LCD Visual Workplace Stand

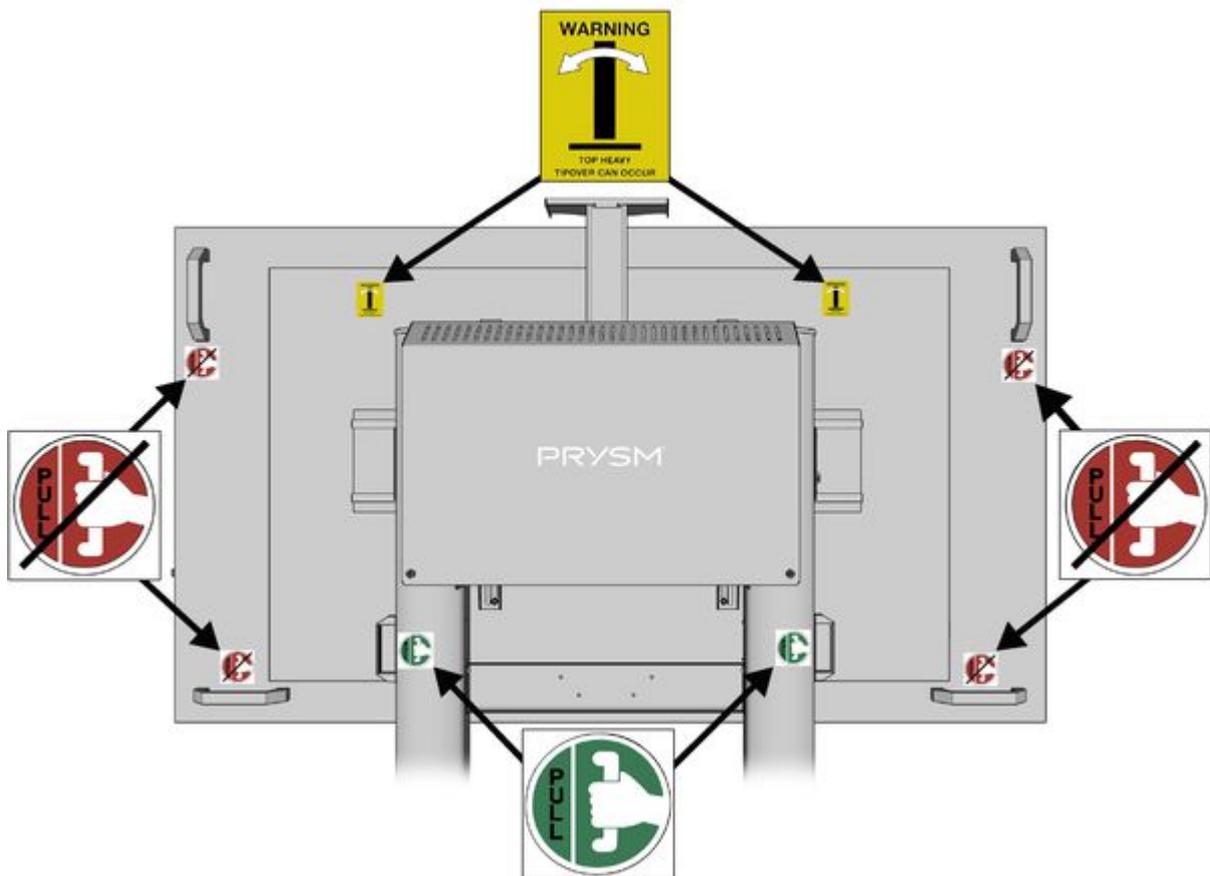
# of Installers	One	
Parts	Labels	110-4899-00 From the <i>Open Me First</i> carton (050-00352-00). If for the Prysm 85 Dual, you will also need the labels from the <i>Prysm 85 Dual LCD and Cart Kit</i> carton (050-00355-00).

3.8.1 Instructions

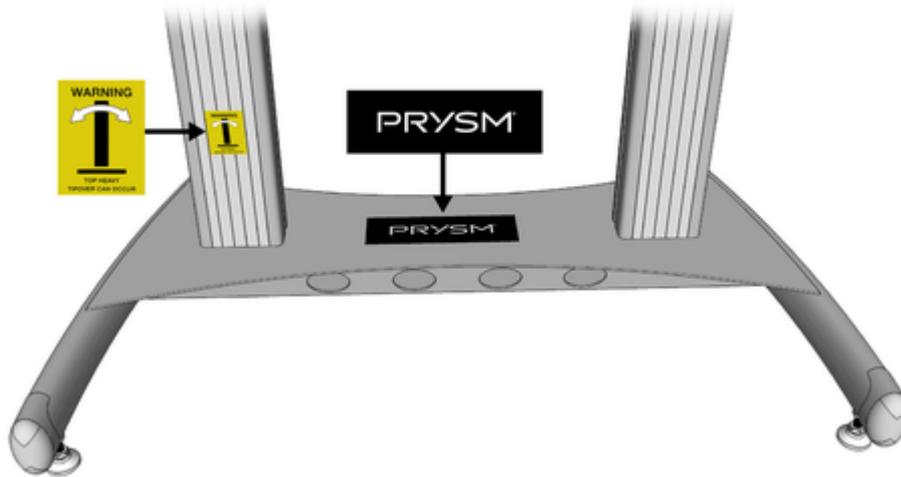
1. Peel off the yellow warning labels from the Base of the stand.



2. Apply the Prysm labels to the rear of the Prysm Visual Workplace stand as shown below:



3. Apply the labels to the front of the left column and to the base of the Prysm Visual Workplace stand as shown below:



4. Cabling Procedures

The following sections have procedures to install cabling on the different Prysm LCD Visual Workplace products.

Select the section from the three listed below that corresponds to the product you are installing.

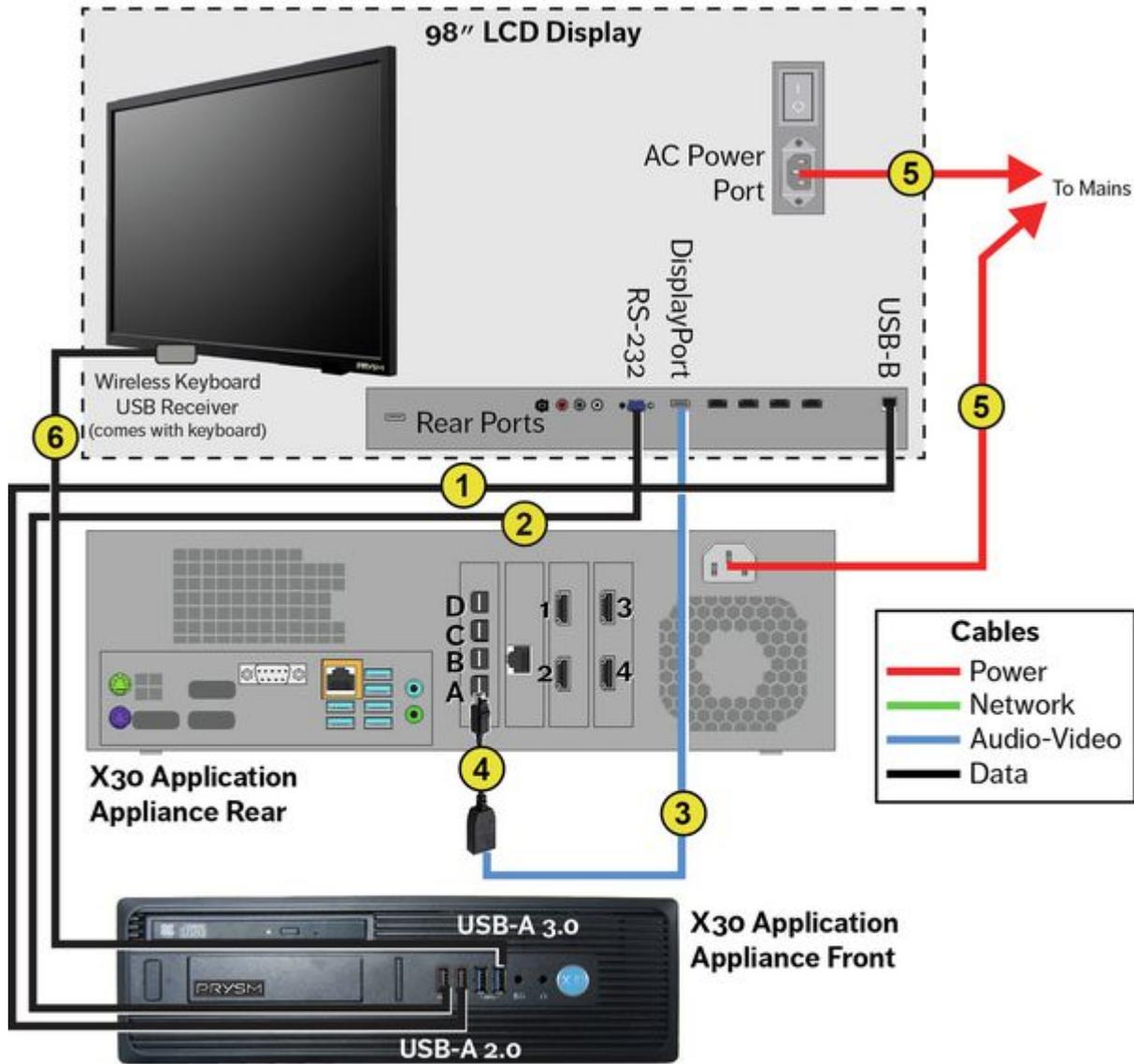
- [4.1 Cable the Prysm 98](#)
- [4.2 Cable the Prysm 86, 85, 84, 75, 65, and 65 Core](#)
- [4.3 Cable the Prysm 85 Dual](#)

4.1 Cable the Prysm 98

Jump to > 2.1 Parts of the Prysm LCD Visual Workplace Stand

The following diagram shows the complete cabling for the Prysm LCD 98 Visual Workplace. Cables are color-coded by type and the numbers on each cable are explained in the legend at the bottom of the diagram.

Prysm 98 Cabling Diagram



- | | |
|---|--|
| <ul style="list-style-type: none"> ① USB A-Male to B-Male (comes with display) ② USB A-Male to Serial (RS-232) (771-00245-00) ③ DisplayPort (771-00308-00) | <ul style="list-style-type: none"> ④ Mini-DisplayPort to DisplayPort Adapter (781-00178-00) ⑤ AC Power (771-00311-00) ⑥ USB Type A Male to Female Extension (to USB 3.0 in X30 front panel) |
|---|--|

Parts List

# of Installers	Two	
Parts	Display stand as currently assembled with System Cabinet.	
Cables from the Cable Kit	1	USB 2.0 A-Male to Serial (RS-232), 10 ft 771-00245-00 To be installed, but not connected to the rear of the X30 until needed.
	1	DisplayPort, Male-to-Male, w/Latches, 6 ft 771-00308-00
Adapter from X30 carton	4	Locking MDP to DP Adapters (only one needed) 781-00178-00
	1	Power, 6 ft N/A
Cables from the display carton	1	HDMI, 6 ft (<i>not used</i>) N/A
	1	USB 2.0 A-Male to B-Male, 6 ft N/A
	1	IR Extender (<i>not used</i>) N/A - The Prysm 98 display has a receiver built into the lower front of the display.
	1	Power, 6 ft N/A
Hardware	1	Prysm Visual Workplace stand as currently assembled
		Labels or pieces of paper tape to use as labels For labeling the free ends of specific cables

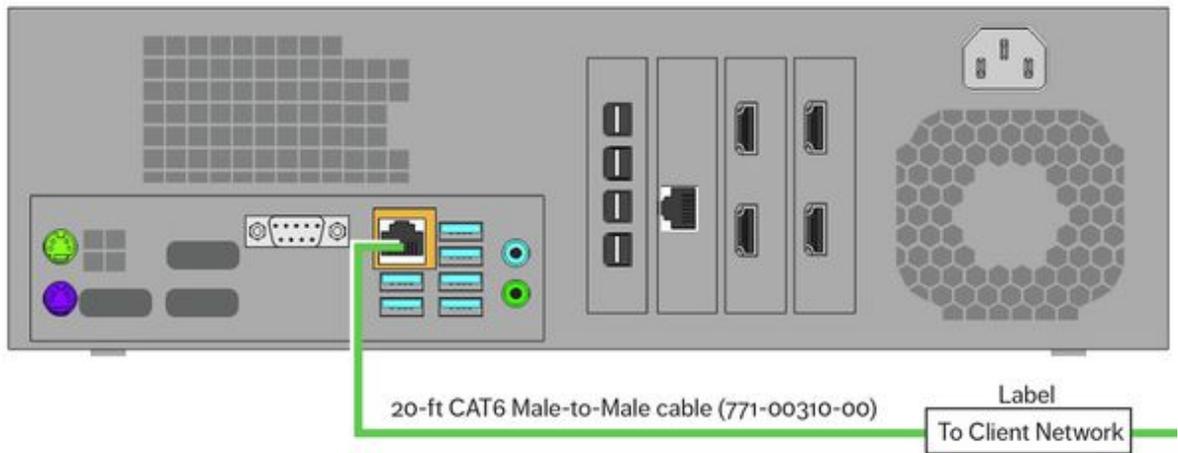
Cabling Instructions

NOTES

- It is a good practice to label the free ends of the cables that will be routed to a specific source.
- An Interactive Input Controller does not come standard with the Prysm 98. However, the IIC can be purchased separately and added to the system. If you are installing a system that has an IIC, following the IIC-specific instructions in 4.2 Cable the Prysm 86, 85, 84, 75, 65, and 65 Core.

Network Cables

1. Connect the 20-foot CAT6 Male-to-Male cable (771-00310-00) as shown here:
 - a. Connect one end to the LAN port of the main board of the X30.



- b. Mark the free end of this cable with a label to indicate that it will be connected to the client network.

Control Cables

1. Connect the 10-foot USB 2.0 A Male to Serial (RS-232) cable (771-00245-00) as shown here:
 - a. Connect the USB connector to any USB port on the rear panel of the X30.



- b. Route the Serial end through the cabinet's grommet hole.
 - c. Connect the Serial (RS-232) connector to the RS-232 port on the display.

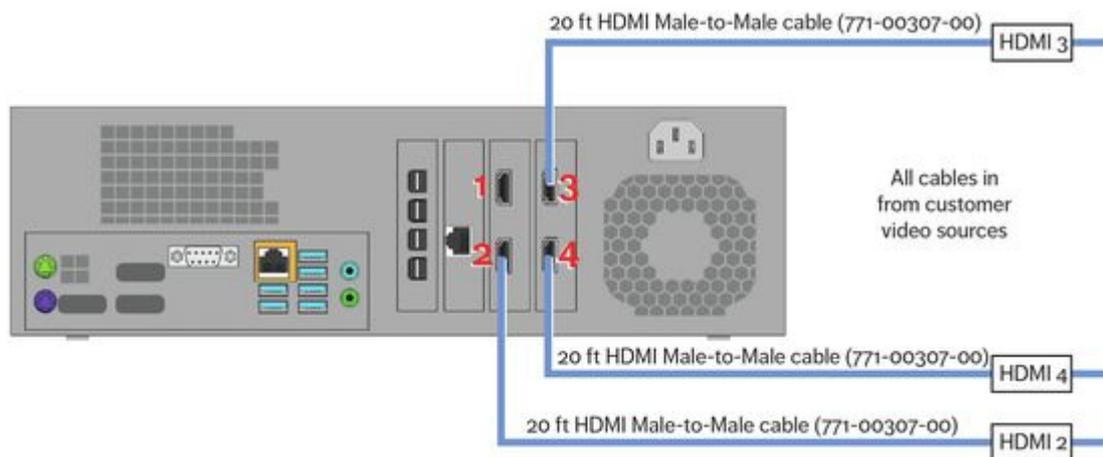
- 2. Connect the 6-foot USB 2.0 A-Male to B-Male cable (comes with display) as shown here:
 - a. Connect the USB A-Male connector to any USB port on the rear panel of the X30.



- b. Route the USB-B end through the cabinet's grommet hole.
 - c. Connect the USB B-Male connector to the USB B-type port on the display.

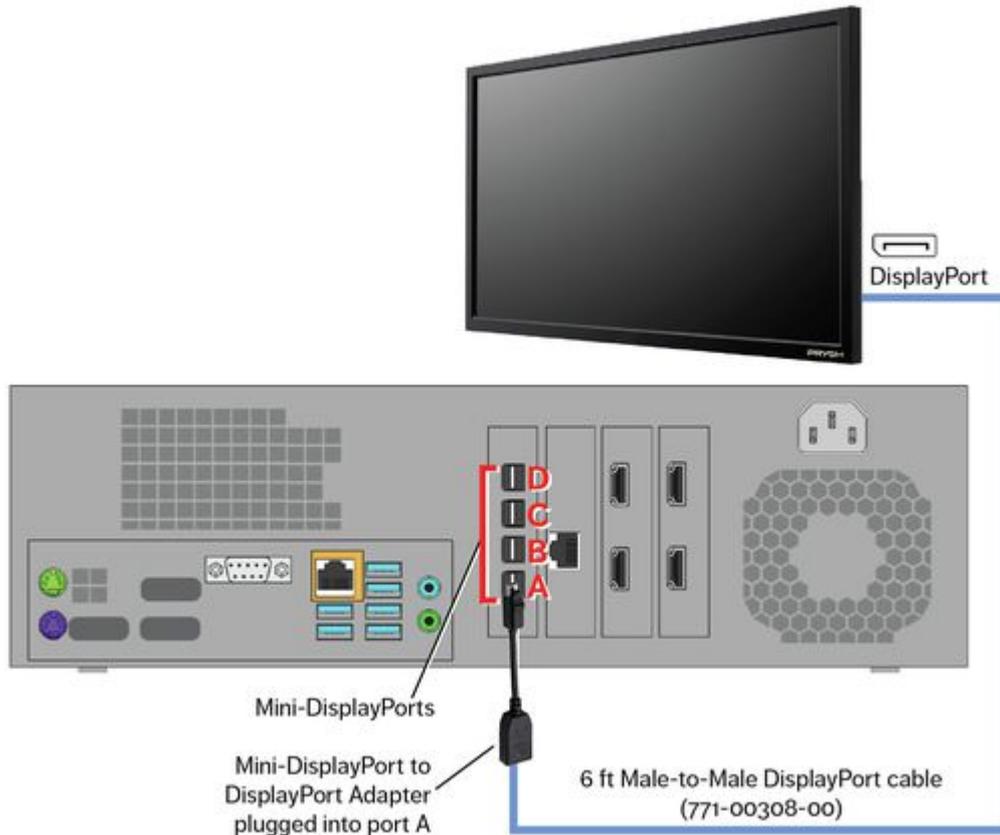
Audio-Video Cables

- 1. Connect the unlabeled end of each cable to the appropriate HDMI port on the rear of the X30 as shown here:



NOTE
The labeled ends of these HDMI cables will eventually go out to the live video sources.

2. Connect the 6-foot Male-to-Male DisplayPort cable (771-00308-00) as shown in the illustration below:
 - a. Connect one end of the DisplayPort cable to a DisplayPort connection on the display.



- b. Route the other end into the cabinet through the cable access hole.
- c. Connect the large end of a *Locking Mini-DisplayPort to DisplayPort Adapter* (781-00178-00, comes with X30) into the free end of the DisplayPort cable.
- d. Connect the small end of the adapter to the Mini-DisplayPort, Port A, in the rear of the X30.

Power Cables

WARNING

Make sure no electronic components or power cables of the Prysm Visual Workplace stand are connected to mains power.

1. Connect the C13 connector of the 6 ft cable *that came with the display* directly to the Power In port near the On/Off switch of the display.
2. Connect the C13 connector of the 6 ft cable *that came with the X30 Application Appliance* to the Power In port on the rear of the Application Appliance.

NOTE

The Prysm LCD Visual Workplace systems accept voltages between 100v and 240v. However, the power cables that comes with this product have 5-15P type plugs used for 110v receptacles. If the customer site does not have this voltage or these types of receptacles, the customer must supply adapters for the supplied cables, or replacement cables.

Cable Routing

- Connect each cable at it's appropriate destination, including the power cables.

Disable USB to Serial

Once all cables are routed, disconnect the USB end of the USB to RS-232 cable (771-00245-00) from the rear of the X30. It is not to be connected until it is necessary to update the firmware of the display.

The cabling is complete. Proceed to [5. Startup Configuration](#).

4.2 Cable the Prysm 86, 85, 84, 75, 65, and 65 Core

Jump to > [2.1 Parts of the Prysm LCD Visual Workplace Stand](#)

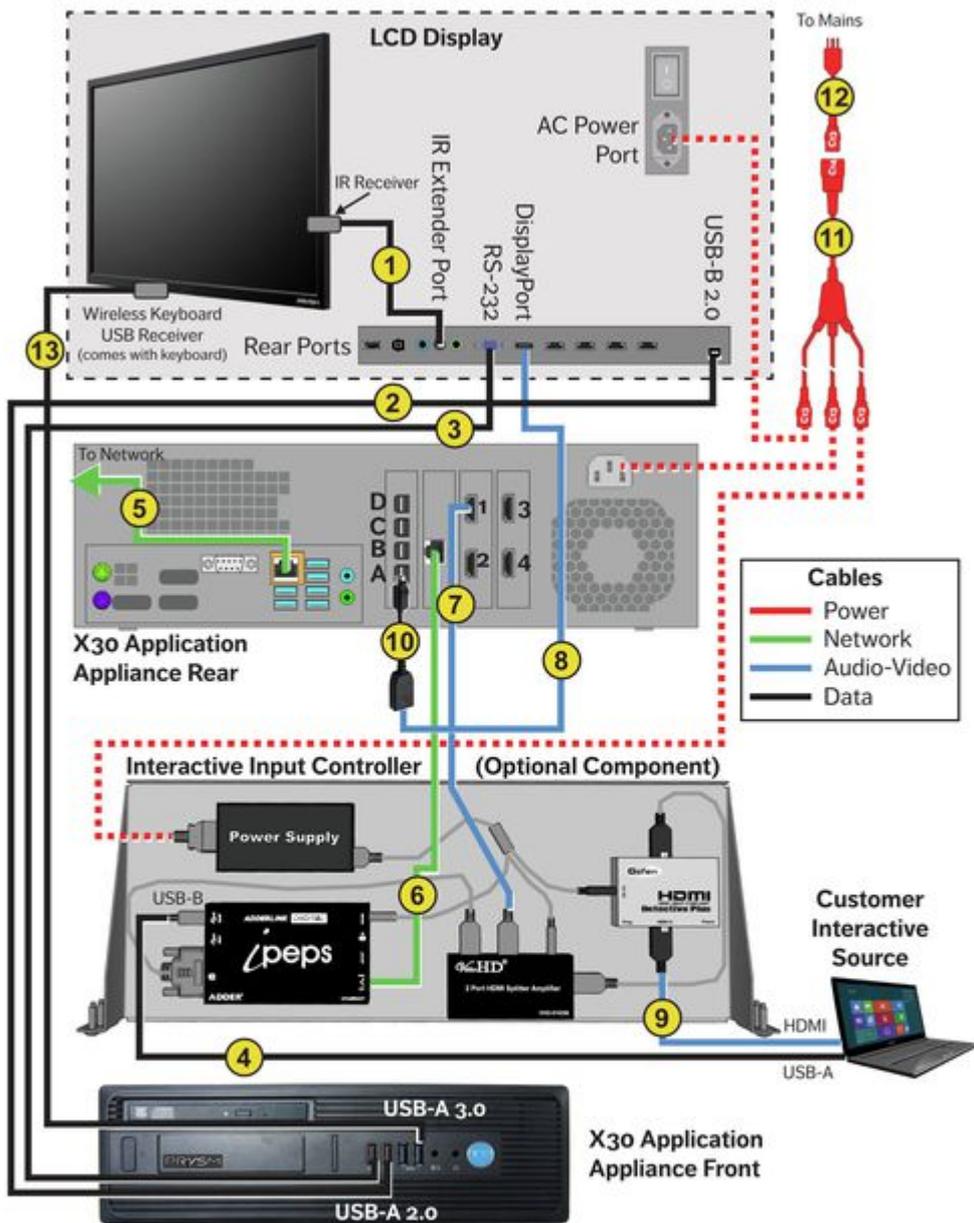
The following diagram shows the complete cabling for the Prysm LED 86, 85, 65, and 65 Core Visual Workplace. Cables are color-coded by type and the numbers on each cable are explained in the legend at the bottom of the diagram.

Prysm 86, 85, 84, 75, 65, and 65 Core Cabling Diagram

Note

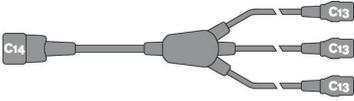
For specific ports and where they are located on the rear panel of a specific display, see the connection layouts in the [Product Component Diagrams](#) section.

The Prysm 86, Prysm 85, Prysm 65, and Prysm 65 Core connect to a Prysm X30 Application Appliance and (if included in the customer order) an Interactive Input Controller.



- | | | |
|---|------------------------------|--|
| ① IR Extender | ⑤ CAT6 (771-00310-00) | ⑨ HDMI (771-00307-00) |
| ② USB A-Male to B-Male | ⑥ CAT6 (771-00309-00) | ⑩ Mini-DisplayPort to DisplayPort Adapter (781-00178-00) |
| ③ USB A-Male to Serial (RS-232) (771-245-00) | ⑦ HDMI (771-00306-00) | ⑪ 3-Way Splitter (771-00312-00) |
| ④ USB-A Male to USB-B Male (771-00305-00) | ⑧ DisplayPort (771-00308-00) | ⑫ AC Power (771-00311-00) |
| ⑬ USB Type A Male to Female Extension (771-00340-00) (to USB 3.0 in front panel of X30) | | |

Parts List

# of Installers	Two		
Parts	Display stand as currently assembled with System Cabinet.		
From the Cable Kit	1	AC 3-Way Splitter, 1 C14 end to 3 C13 ends 	771-00312-00
	1	AC Power Cable, NEMA 5-15P to IEC C13, UNIV, 125V, 13A, 20 ft Note The Prysm LCD Visual Workplace systems accept voltages between 100v and 240v. However, the 20 ft power cable that comes with this product (771-00311-00) has a 5-15P type plug used for 110v receptacles. If the customer site does not have this type of power or receptacle, the customer must supply an adapter for the supplied cable, or a replacement cable.	771-00311-00
	1	USB 2.0 A-Male to Serial (RS-232) Cable, 10 ft	771-00245-00 To be installed, but not connected to the rear of the X30 until needed.
	1	USB 2.0 A-Male to B-Male Cable, w/ Ferrite, 20 ft	771-00305-00 Replaces the 12 ft USB cable in the optional IIC
	4	HDMI, Male-to-Male Cable, CL2-Rated, 20 ft	771-00307-00 One of these replaces the 12 ft HDMI cable in the optional IIC
	1	HDMI, Male-to-Male, 2 ft	771-00306-00
	1	DisplayPort, Male-to-Male, w/Latches, 6 ft	771-00308-00 If you are assembling a Prysm 85 Dual, replace this cable with the 25 ft DisplayPort cable in the Prysm 85 Dual carton (771-00322-00).
	1	CAT6, Male-to-Male, RJ45, 2 ft	771-00309-00
	1	CAT6, Male-to-Male, RJ45, 20 ft	771-00310-00
	From X30 carton	4	Locking MDP to DP Adapters (only need one for this setup)
1		Power Cable, 6 ft (<i>not used</i>)	N/A
From the display carton	1	HDMI Cable, 6 ft (<i>not used</i>)	N/A
	1	USB 2.0 A-Male to B-Male Cable, 6 ft	N/A
	1	IR Extender Cable	N/A
	1	Power Cable, 6 ft (<i>not used</i>)	N/A
From the Misc. Parts Kit	1	USB 3.0 Type A Male to Female Extension Cable, 6 ft.	771-00340-00
Hardware	1	Prysm Visual Workplace stand as currently assembled	
		Labels or pieces of paper tape to use as labels	For labeling the free ends of specific cables

Cabling Instructions

Notes

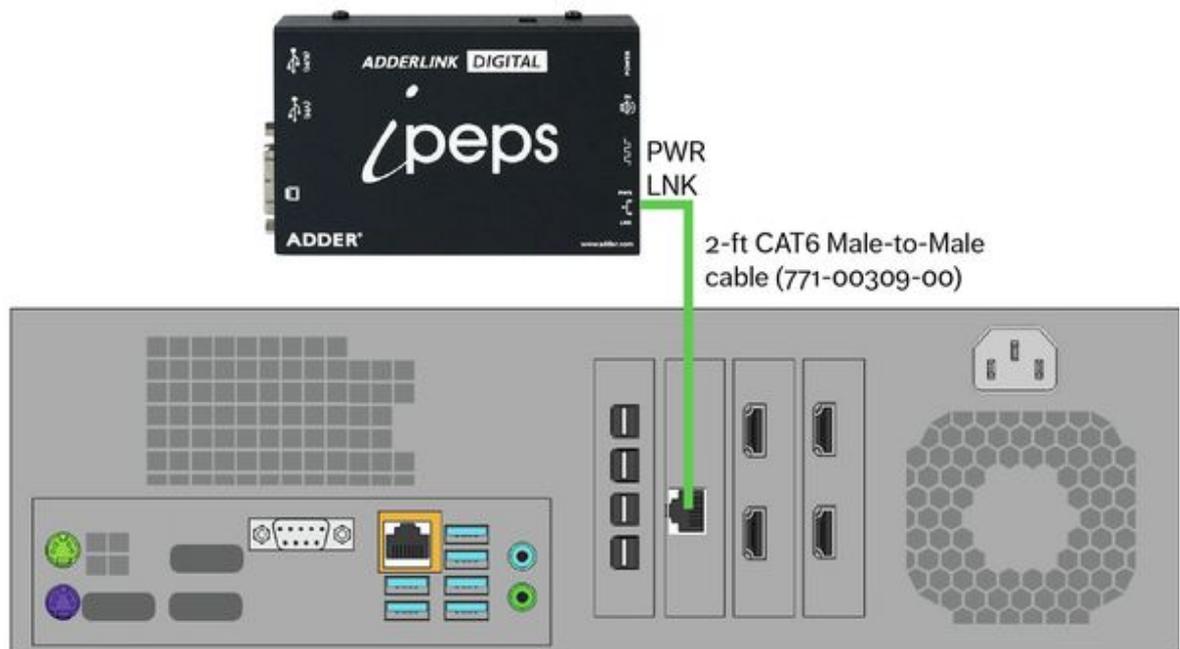
- There will be cables exiting the System Cabinet that will be routed down one of the stand's Support Columns. There will be other cables that will exit the cabinet to connect directly to the display. Ensure that the cables that go to the display are not bundled with the other cables.
- It is a good practice to label the free ends of the cables that will be routed down a Support Column and out to a specific source.

Network Cables

Note

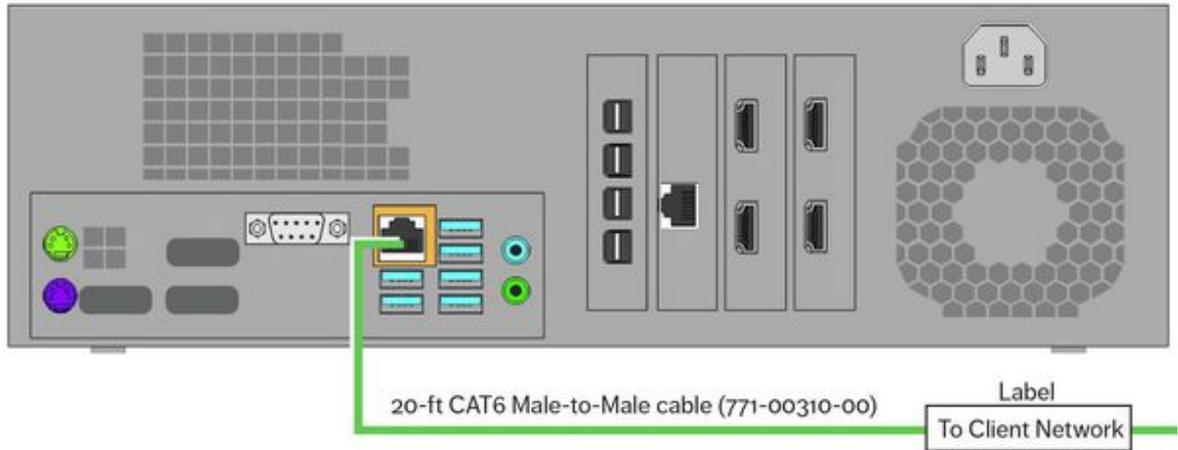
The following connection is for the optional Interactive Input Controller. If customer order does not include an IIC, proceed to step 2.

1. Connect the 2-foot CAT6 Male-to-Male cable (771-00309-00) as shown here:
 - a. Connect one end to the LAN port on the Network Card on the Prysm X30 Application Appliance between the two HDMI cards.



- b. Connect the other end to the PWR-LNK port on the Adderlink ipeps unit of the IIC.

2. Connect the 20-foot CAT6 Male-to-Male cable (771-00310-00) as shown here:
 - a. Connect one end to the LAN port of the main board of the X30.



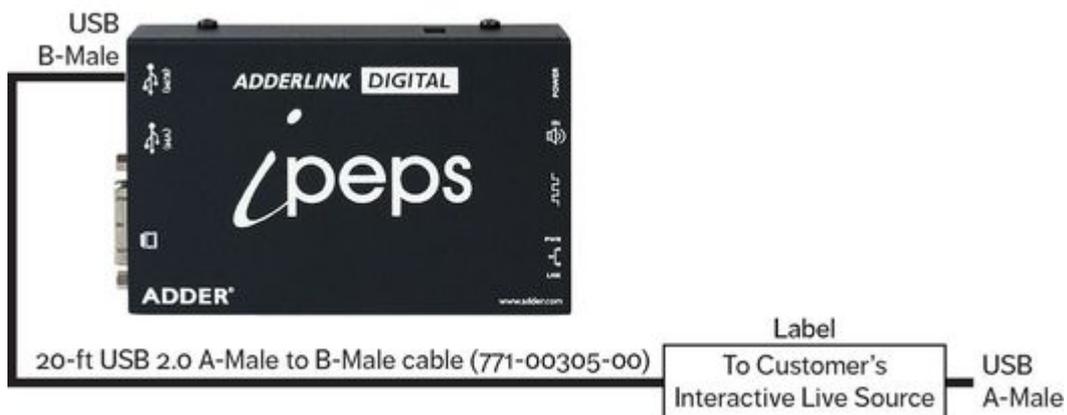
- b. Mark the free end of this cable with a label to indicate that it will be connected to the client network.

Control Cables

Note

The following connection is for the optional Interactive Input Controller. If customer order does not include an IIC, proceed to step 3.

1. Connect the 20-foot USB 2.0 A-Male to B-Male cable (771-00305-00) as shown in the illustration below:
 - a. Remove the 12-foot USB 2.0 A-Male to B-Male cable from the IIC by disconnecting it from the K/M port on the ipeps unit.
 - b. In place of the removed cable, connect the 20-foot USB 2.0 A-Male to B-Male cable (771-00305-00).



- c. Mark the free end of this cable with a label indicating that it will be connected to the customer's Interactive Live Source (such as a laptop).

- 2. Connect the 10-foot USB 2.0 A Male to Serial (RS-232) cable (771-00245-00) as shown here:
 - a. Connect the USB connector to any USB port on the rear panel of the X30.

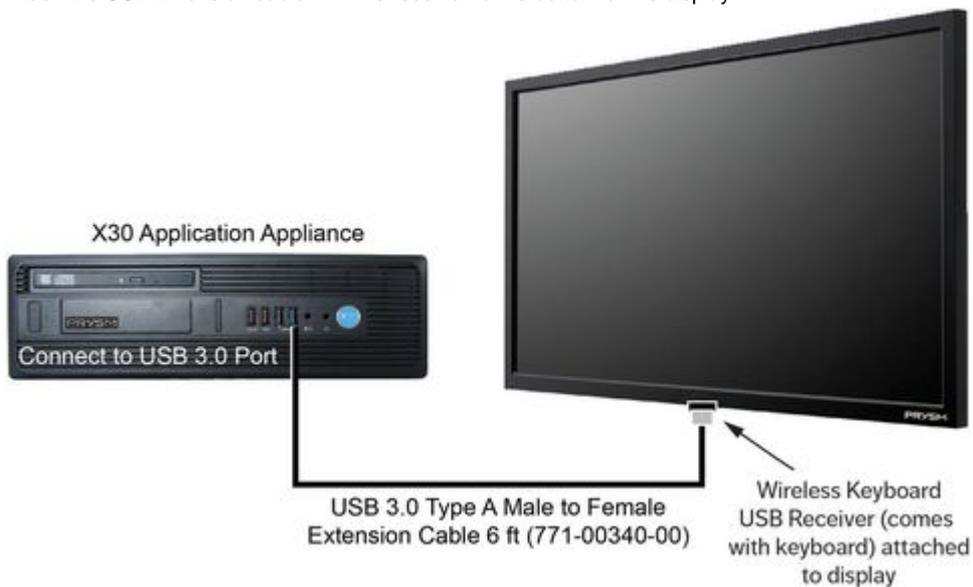


- b. Route the Serial end through the cabinet's grommet hole.
- c. Connect the Serial (RS-232) connector to the RS-232 port on the display.

3. Connect the USB 3.0 Type A Male to Female Extension (771-00340-00) as shown here:
 - a. Connect the USB 3.0 Type A Male to Female Extension to the USB port on the front of the X30 Application Appliance.

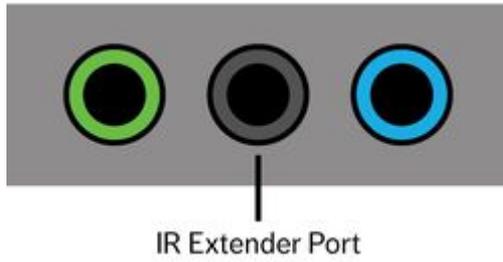


- b. Route the cable from the Application Appliance through the cabinet and down towards the bottom of the display.
- c. Connect the wireless keyboard receiver to the end of the USB Extension.
- d. Apply a section of the Velcro Tape (773-00151-00) to the bottom of the display and the USB Extension cable end with the receiver.
- e. Attach the USB Extension cable with the receiver to the bottom of the display.

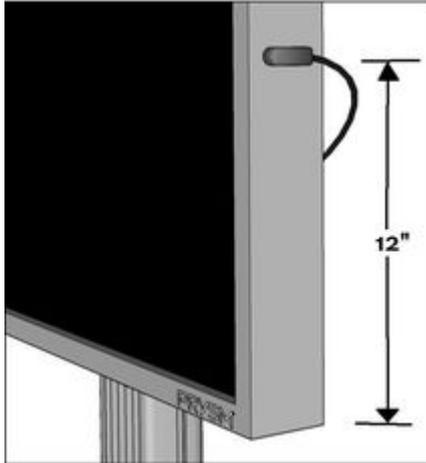


4. Connect the IR Extender Cable (comes with display) as shown here:

- a. Connect the IR Extender Cable jack to the round black port on the display.



- b. The IR Receiver must be attached to the right side edge of the display as viewed facing the display. Peel the tape off the double stick material on the IR Receiver and stick the receiver 12" up from the base, making sure the rounded end of the receiver is facing outward (toward the viewer).

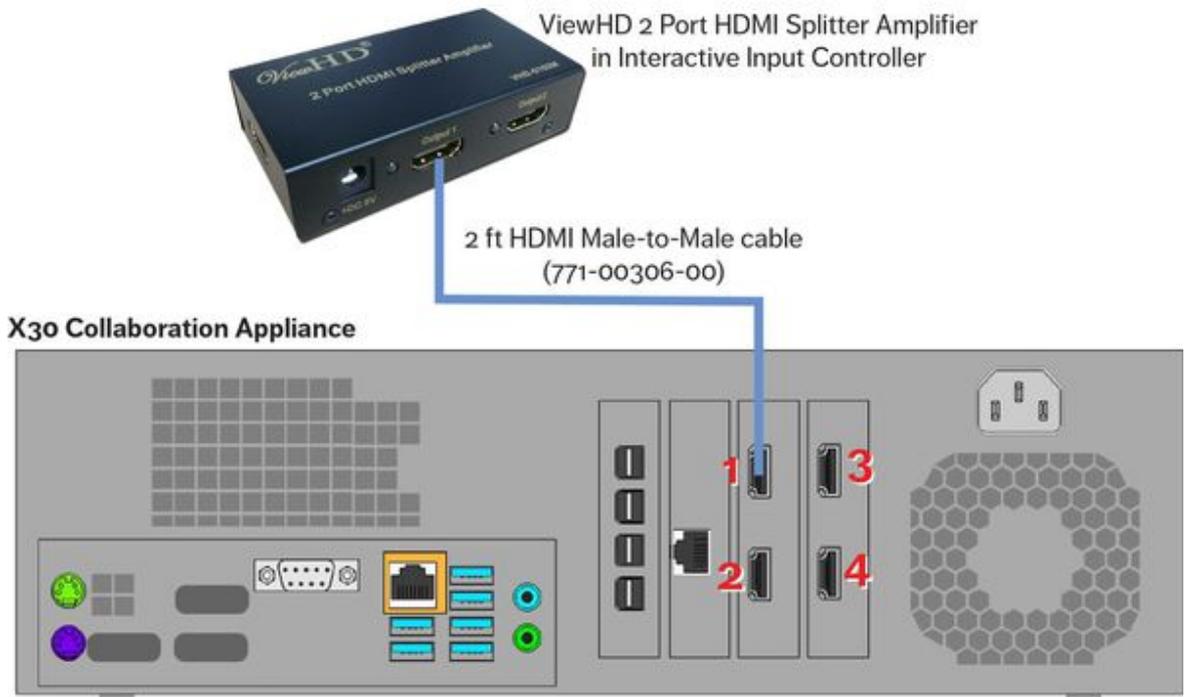


Audio-Video Cables

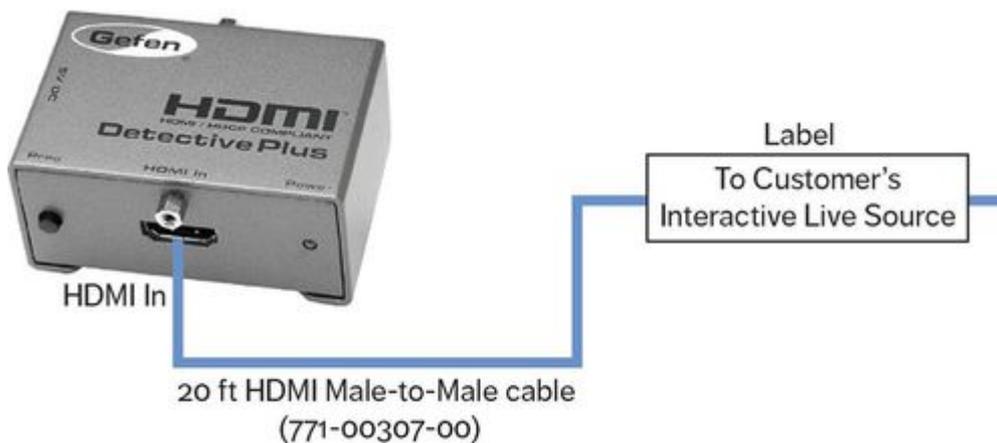
Note

The following two connections are for the optional Interactive Input Controller. If customer order does not include an IIC, proceed to step 3.

1. Connect the 2-foot HDMI Male-to-Male cable (771-00306-00) as shown here:
 - a. Connect one end to the HDMI In port (HDMI 1) on the X30:

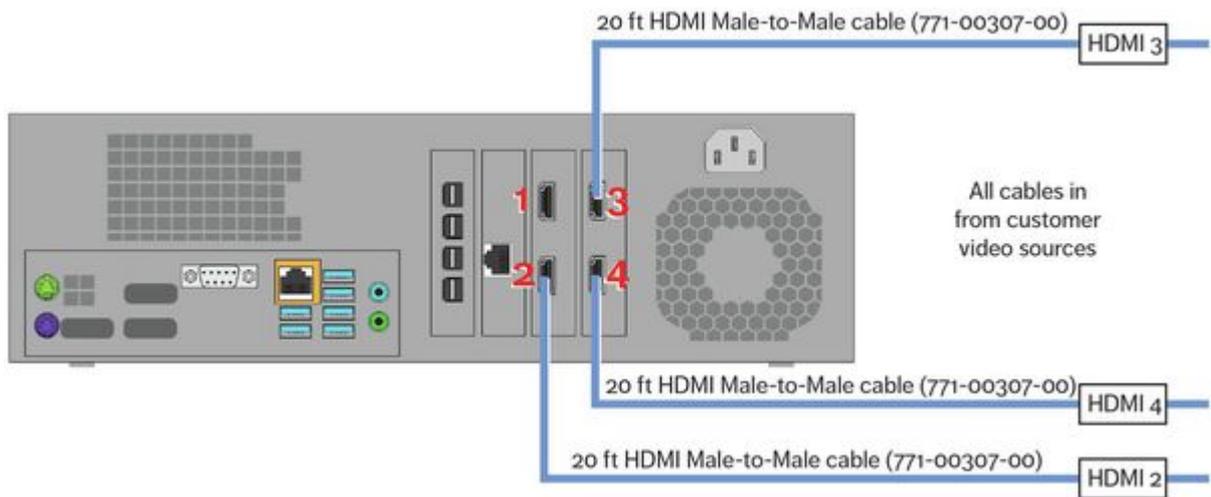


- b. Connect the other end to the Output 1 port on the ViewHD HDMI Splitter Amplifier on the IIC shelf.
2. Replace the 12-foot HDMI Male-to-Male cable on the IIC as shown here:
 - a. Disconnect the cable from the HDMI port of the HDMI Detective Plus unit.



- b. In its place, connect the 20-foot HDMI Male-to-Male cable (771-00307-00).
 - c. Mark the free end of this cable with a label to indicate that it will connect to the customer's Interactive Live Source (such as a laptop).

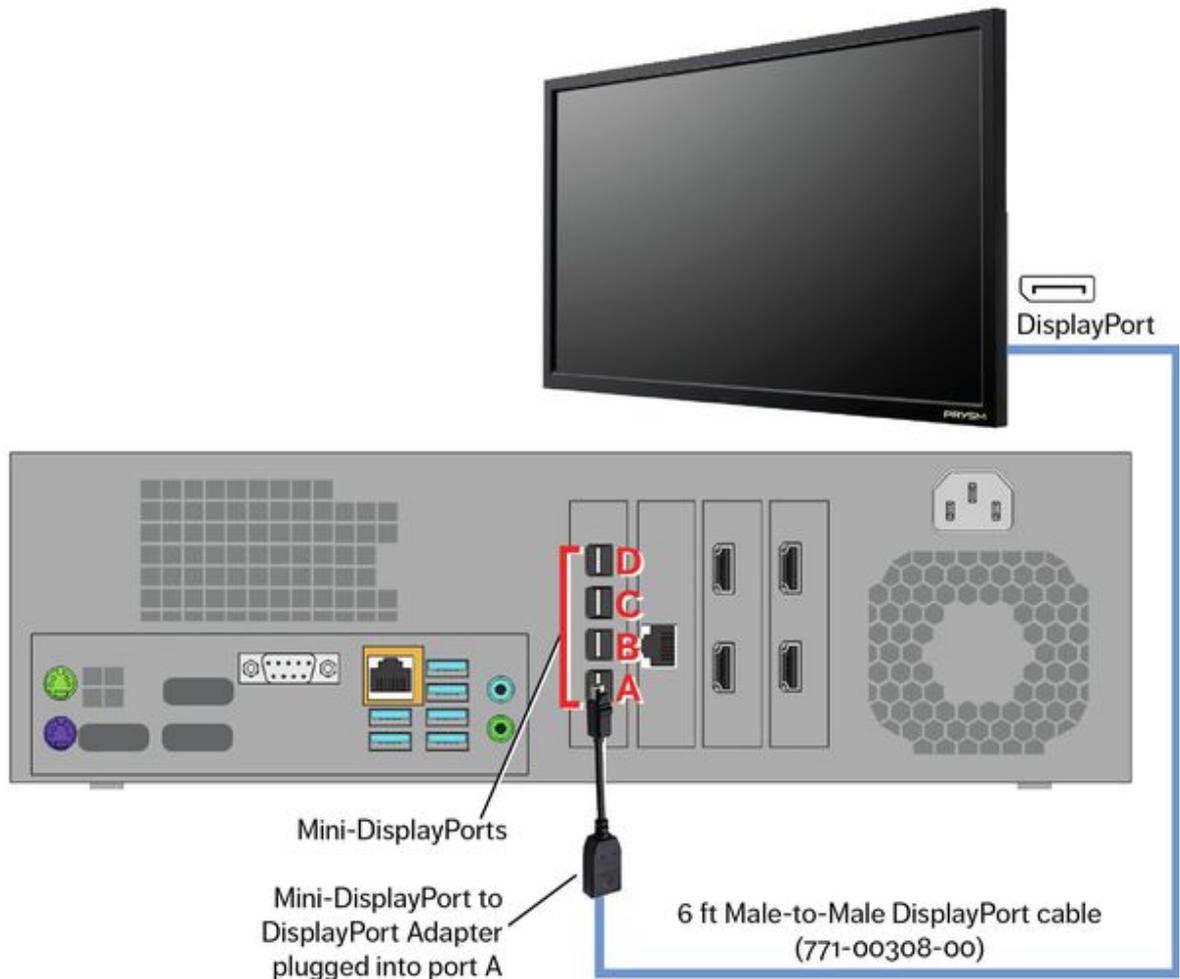
3. Connect the unlabeled end of each cable to the appropriate HDMI port on the rear of the X30 as shown here:



Note

The labeled ends of these HDMI cables will eventually go out to the live video sources.

4. Connect the 6-foot Male-to-Male DisplayPort cable (771-00308-00) as shown in the illustration below:
 - a. Connect one end of the DisplayPort cable to a DisplayPort connection on the display.



- b. Route the other end into the cabinet through the cable access hole.
- c. Connect the large end of a *Locking Mini-DisplayPort to DisplayPort Adapter* (781-00178-00, comes with X30) into the free end of the DisplayPort cable.
- d. Connect the small end of the adapter to the Mini-DisplayPort, Port A, in the rear of the X30.

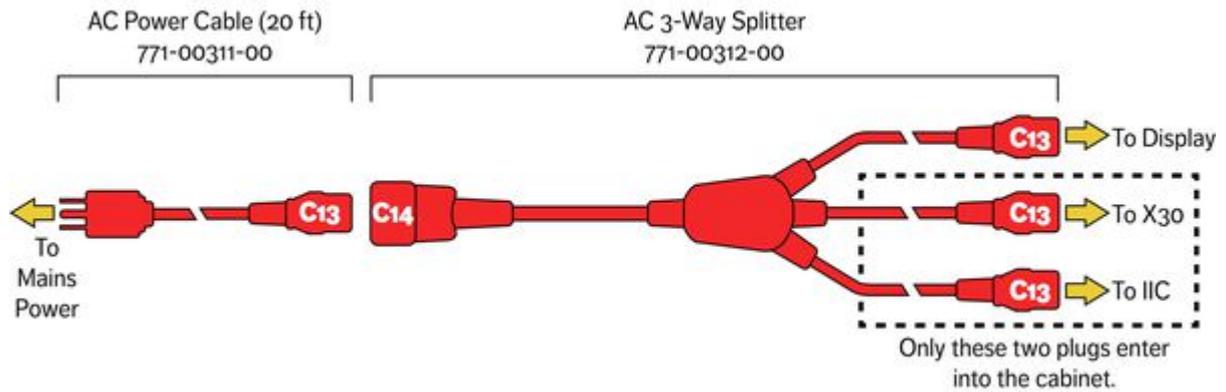
Power Cables

WARNING

Make sure no electronic components or power cables of the Prysm Visual Workplace stand are connected to Mains power.

1. Holding the end of the AC 3-Way Splitter Cable (771-00312-00) with the three C13 connectors, feed an *outer* connector and the center connector through the cable access hole *into* the cabinet. Leave the third *outer* C13 connector end and the C4 end of the cable *outside* of the cabinet.
2. Connect the C13 connector cable outside of the cabinet directly to the Power In port near the On/Off switch of the display.
3. Inside the cabinet, connect the center C13 connector cable from the AC 3-Way Splitter Cable to the Power In port of the X30.
4. *If IIC included:* Remove the power cable connected to the Power Supply in the Interactive Input Controller. This will not be needed.
5. *If IIC included:* Connect the other C13 connector cable from the AC 3-Way Splitter Cable to the Power Supply on the Interactive Input Controller.

6. Connect the C14 end of the AC 3-Way Splitter Cable to the 20 ft AC extension cable (771-00311-00).



Note

The Prysm Visual Workplace systems accept voltages between 100v and 240v. However, the 20 ft power cable that comes with this product (771-00311-00) has a 5-15P type plug used for 110v receptacles. If the customer site does not have this type of power or receptacle, the customer must supply an adapter for the supplied cable, or a replacement cable.

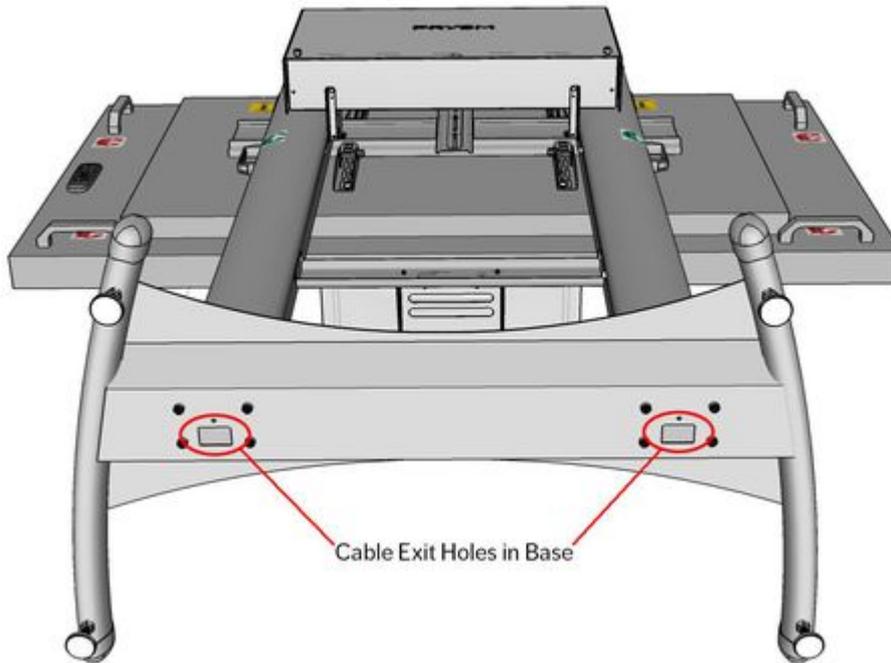
Cable Routing

1. Gather all cables that are to be routed out to sources.
2. Feed the cables installed previously in the cabinet out through the cable access hole in the back of the cabinet shelf.
3. To feed the cables down one of the columns, gather the ends so that none of the connectors is next to each other. If the connectors are bunched up they won't go through the column's grommet hole.

Note

The plastic grommets in the Support Columns have a tendency to push through and get lost in the columns. It is best to remove the grommet on the hole into which you will be feeding the cables. Also, take care not to damage cables by dragging them against the rough edge of the grommet holes.

- Using two people, have one person feed the cables down the hole while the other person pulls the cables down from the column hole *on the underside of the stand base*. Carefully pull them all the way through.



- Once all cables are through, connect each cable at its appropriate destination, including the power cable.

Disable USB to Serial

Once all cables are routed, disconnect the USB end of the USB to RS-232 cable (771-00245-00) from the rear of the X30. It is not to be connected until it is necessary to update the firmware of the display.

The cabling is complete. Proceed to [5. Startup Configuration](#).

4.3 Cable the Prysm 85 Dual

Jump to > [2.1 Parts of the Prysm LCD Visual Workplace Stand](#)

The following diagram shows the complete cabling for the Prysm LED 85 Dual Visual Workplace.

Cables are color-coded by type, as shown in the first diagram. The numbers on each cable or part refer to descriptions in the table below the diagram.

NOTE

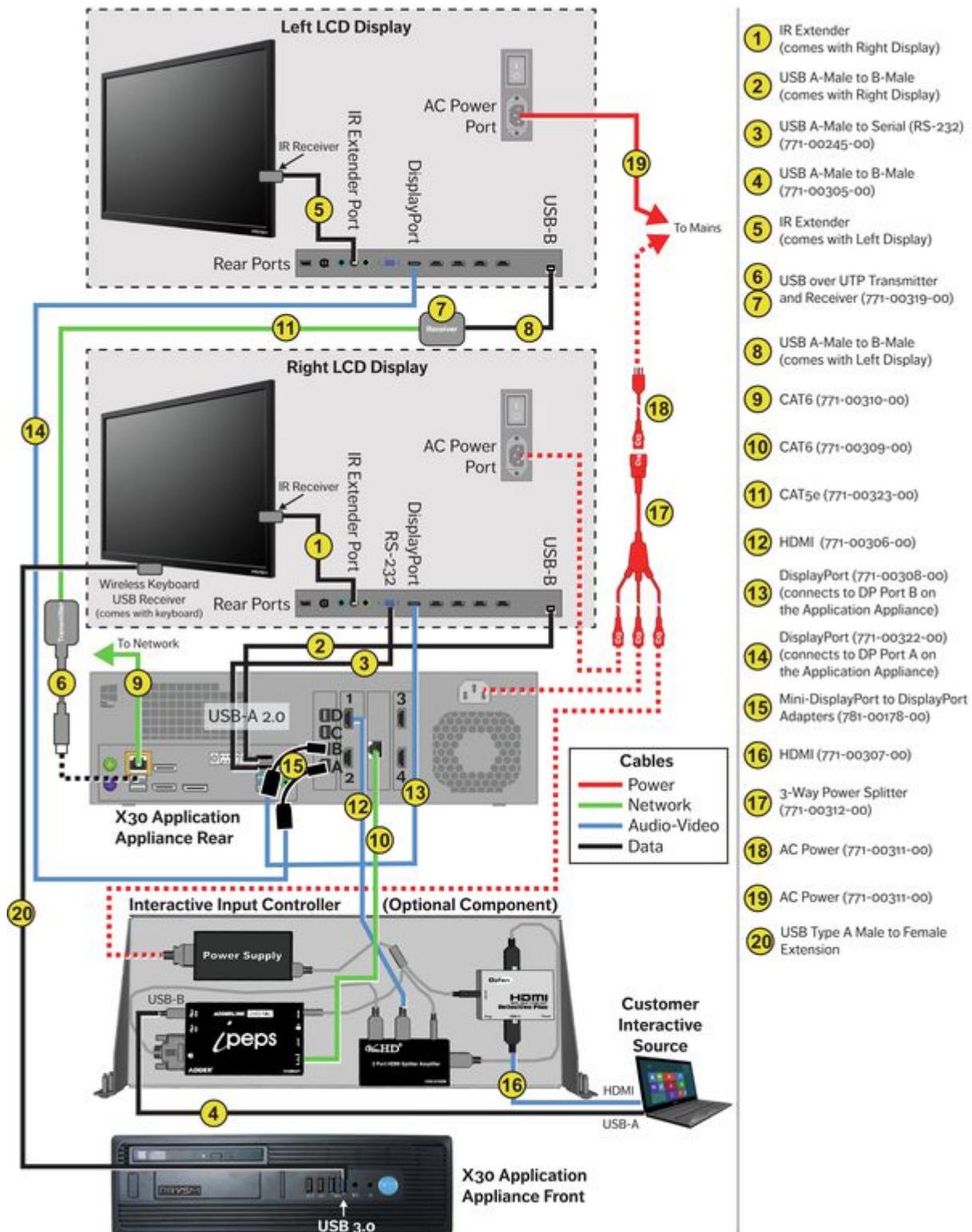
The two displays are called the Left and Right displays, determined by standing facing the front screens of the displays.

Prysm 85 Dual Cabling Diagram

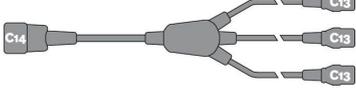
The Prysm 85 Dual has two displays that share a Prysm X30 Application Appliance and (if included in the customer order) an Interactive Input Controller.

NOTE

Make sure you connect the DisplayPort cables as follows: Connect DisplayPort A to the DisplayPort on the Left display and DisplayPort B to the DisplayPort on the Right display. This is shown in the following diagram as cables 13 and 14.



Parts List

# of Installers	Two		
Parts	Display stand as currently assembled with System Cabinet.		
Cables from the Cable Kit	1	AC 3-Way Splitter, 1 C14 end to 3 C13 ends 	771-00312-00
	1	AC Power, NEMA 5-15P to IEC C13, UNIV, 125V, 13A, 20 ft NOTE The Prysm LCD Visual Workplace systems accept voltages between 100v and 240v. However, the 20 ft power cable that comes with this product (771-00311-00) has a 5-15P type plug used for 110v receptacles. If the customer site does not have this type of power or receptacle, the customer must supply an adapter for the supplied cable, or a replacement cable.	771-00311-00
	1	USB 2.0 A-Male to Serial (RS-232), 10 ft	771-00245-00 To be installed, but not connected to the rear of the X30 until needed.
	1	USB 2.0 A-Male to B-Male, w/ Ferrite, 20 ft	771-00305-00 Replaces the 12 ft USB cable in the optional IIC.
	4	HDMI, Male-to-Male, CL2-Rated, 20 ft	771-00307-00 One of these replaces the 12 ft HDMI cable in the optional IIC.
	1	HDMI, Male-to-Male, 2 ft	771-00306-00
	1	DisplayPort, Male-to-Male, w/Latches, 6 ft	771-00308-00 If you are assembling a Prysm 85 Dual, replace this cable with the 25 ft DisplayPort cable in the Prysm 85 Dual carton (771-00322-00).
	1	CAT6, Male-to-Male, RJ45, 2 ft	771-00309-00
	1	CAT6, Male-to-Male, RJ45, 20 ft	771-00310-00
	Adapter from X30 Carton	4	Locking MDP to DP Adapters (only need one for this setup)
Cables from the Display Carton	1	HDMI, 6 ft (<i>not used</i>)	N/A
	1	USB 2.0 A-Male to B-Male, 6 ft	N/A
	1	IR Extender	N/A
	1	Power, 6 ft	N/A
Hardware	1	Prysm Visual Workplace stand as currently assembled	
		Labels or pieces of paper tape to use as labels	For labeling the free ends of specific cables
Parts and Cables from Prysm 85 Dual LCD and Cart Kit carton	4	Leveling Feet (if requested)	773-01358-00
	2	Extra Column Slot Inserts	773-01359-00
	8	Hook Bracket Attachment Hardware:	
	8	M8 hex cap screws	773-00888-16
	8	Flat washers	773-00738-00
	Lock washers	773-00190-00	

	1	USB over UTP Extender (2 parts) 	771-00319-00 NOTE: The Extender that comes with the kit may differ from the one shown here.
	1	CAT5e Ethernet cable, 25 ft	771-00323-00
	1	DisplayPort, Male-to-Male, 25 ft	771-00322-00
	1	Prysm Label	110-04886-00 To apply to the Base of the stand.
	1	USB 2.0 A-Male to B-Male, 6 ft	From the Display carton.
	1 sheet	Labels	110-04899-00 To apply to several places on the Right Stand.
Cables from the Right Display carton	1	USB 2.0 A-Male to B-Male, 6 ft	From the Display carton.
	1	IR Extender Cable	
From the Misc. Parts Kit	1	USB 3.0 Type A Male to Female Extension Cable, 6 ft.	771-00340-00

NOTES

- The Prysm 85 Dual consists of two Prysm 85 stands and displays. The two displays share a single System Cabinet (that will contain the X30 and IIC) installed on the Left Stand, linked to the Right Stand with cables.
- There will be cables exiting the System Cabinet that will be routed down one of the stand's Support Columns. There will be other cables that will exit the cabinet to connect directly to the display. Ensure that the cables that go to the display are not bundled with the other cables.
- It is a good practice to label the free ends of the cables that will be routed down a Support Column and out to a specific source.
- The Prysm 85 Dual comes with an extra carton called the Prysm 85 Dual LCD and Cart (050-00355-00) that is essentially an OPEN ME SECOND carton. It contains parts for the Right Stand and cables to interconnect the components of the two stands.
- A remote control comes with each display. It is important to keep both remotes for display setup.
- Make sure you connect an IR Receiver cable (comes with each display) for both displays.
- For the purposes of these instructions only, the display stand with the Collaboration System Cabinet is called the *Left Stand* and the other stand is called the *Right Stand*.

Cabling Instructions

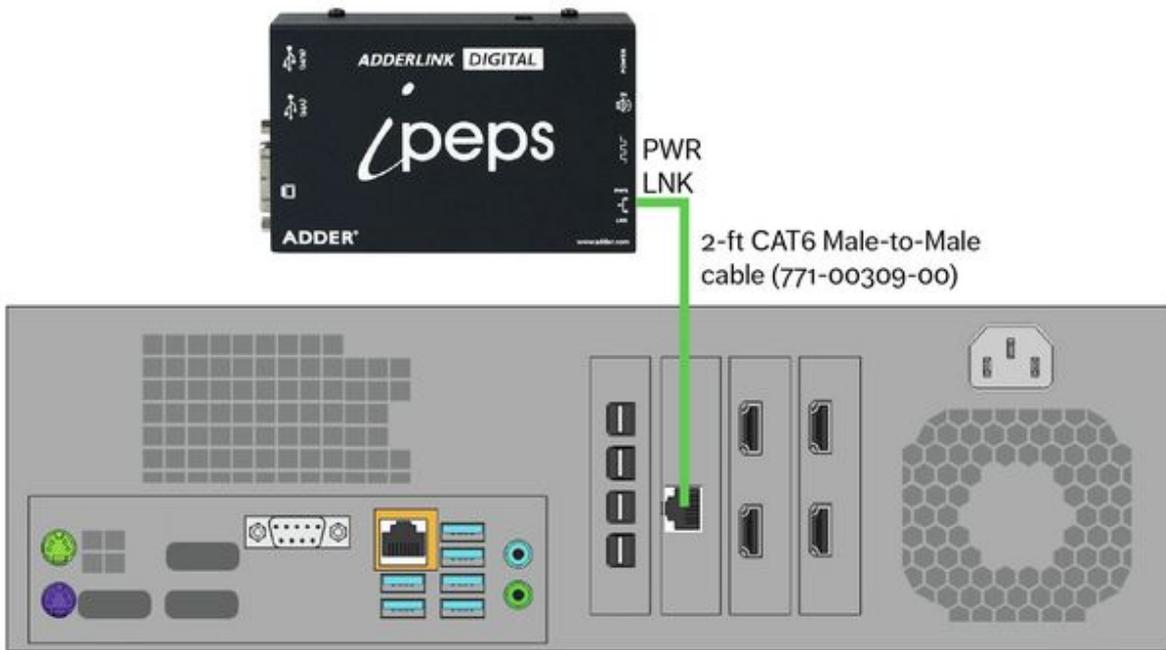
1. Assemble the Left Stand and the Right Stand, including the displays, next to each other following the instructions in Section 3. [Assembly Procedures](#). For the Right Stand, you will need the extra fastening hardware that comes in the Prysm 85 Dual LCD and Cart carton.
2. Install the System Cabinet with the X30 only on the Left Stand.

Network Cables

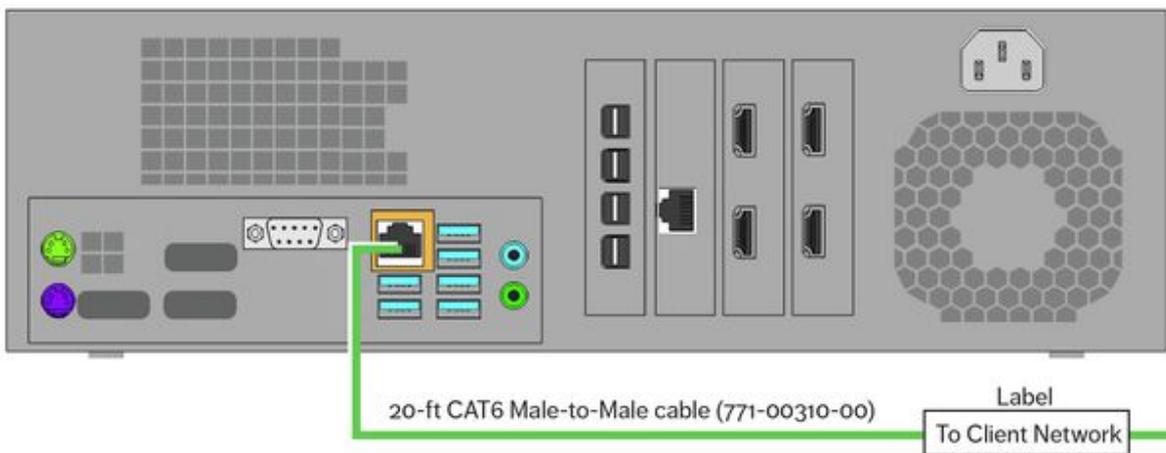
1. Remove the cover from the System Cabinet on the Left Stand.

Note
The following connection is for the optional Interactive Input Controller. If customer order does not include an IIC, proceed to step 3.

2. Connect the 2-foot CAT6 Male-to-Male cable (771-00309-00) as shown here:
 - a. Connect one end to the LAN port on the Network Card on the Prysm X30 Application Appliance between the two HDMI cards.



- b. Connect the other end to the PWR-LNK port on the Adderlink ipeps unit of the IIC.
3. Connect the 20-foot CAT6 Male-to-Male cable (771-00310-00) as shown here:
 - a. Connect one end to the LAN port of the main board of the X30.



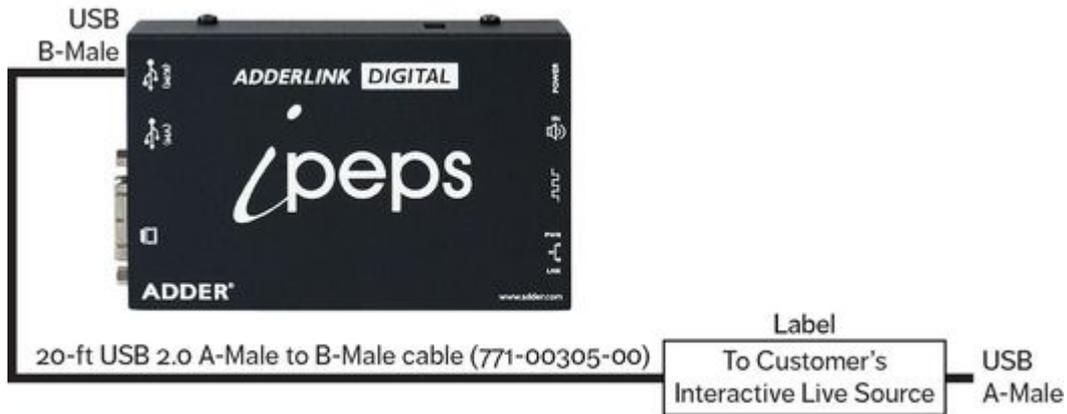
- b. Mark the free end of this cable with a label to indicate that it will be connected to the client network.

Control Cables

Note

The following connection is for the optional Interactive Input Controller. If customer order does not include an IIC, proceed to step 2.

1. Connect the 20-foot USB 2.0 A-Male to B-Male cable (771-00305-00) as shown in the illustration below:
 - a. Remove the 12-foot USB 2.0 A-Male to B-Male cable from the IIC by disconnecting it from the K/M port on the ipeps unit.
 - b. In place of the removed cable, connect the 20-foot USB 2.0 A-Male to B-Male cable (771-00305-00).



- c. Mark the free end of this cable with a label indicating that it will be connected to the customer's Interactive Live Source (such as a laptop).
2. Connect the 10-foot USB 2.0 A Male to Serial (RS-232) cable (771-00245-00) as shown here:
 - a. Connect the USB connector to any USB port on the rear panel of the X30.

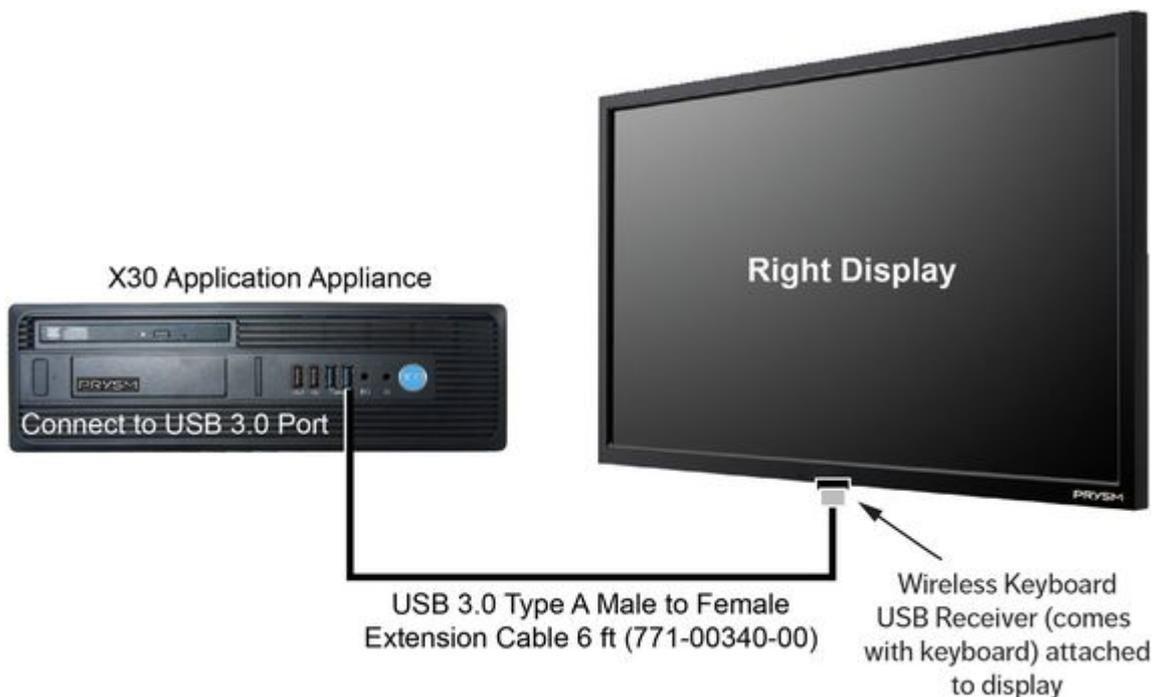


- b. Route the Serial end through the Left cabinet's grommet hole.
 - c. Connect the Serial (RS-232) connector to the RS-232 port on the Right Display.

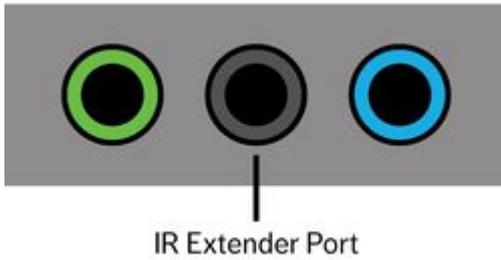
3. Connect the 6-foot USB 2.0 A-Male to B-Male cable (comes with display) as shown here:
 - a. Connect the USB A-Male connector to any USB port on the rear panel of the X30.



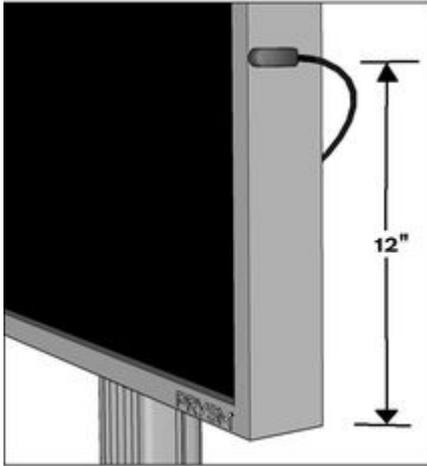
- b. Route the USB-B end through the Left cabinet's grommet hole.
 - c. Connect the USB B-Male connector to the USB B-type port on the Right display.
4. Connect the USB 3.0 Type A Male to Female Extension (771-00340-00) as shown here:
 - a. Connect the USB 3.0 Type A Male to Female Extension to the USB port on the front of the Application Appliance.
 - b. Route the cable from the Application Appliance through the cabinet and down towards the bottom of the right LCD display.
 - c. Connect the wireless keyboard receiver to the end of the USB Extension.
 - d. Apply a section of the Velcro Tape (773-00151-00) to the bottom of the right LCD display and the USB Extension cable end with the receiver.
 - e. Attach the USB Extension cable with the receiver to the bottom of the right LCD display.



5. Find the two IR Extender Cables. One comes with each display. For each display, connect an IR Extender Cable as shown here:
- On the display, connect the IR Extender Cable jack to the round black port.



- Connect the IR Receiver to the right side edge of the display as viewed facing the display. Peel the tape off the double stick material on the IR Receiver and stick the receiver 12" up from the base, making sure the rounded end of the receiver is facing outward (toward the viewer). For proper reception, do *not* place the IR Receiver anywhere else on the display.

**Important**

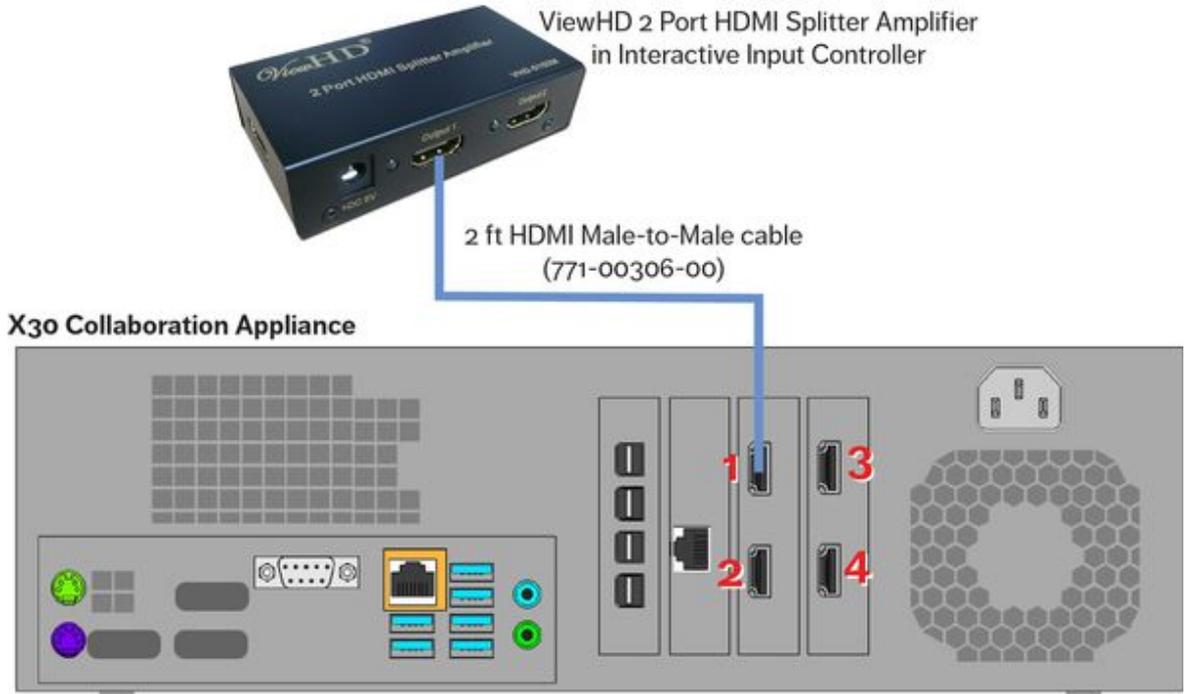
Make sure you set up the IR Extender for both displays.

Audio-Video Cables

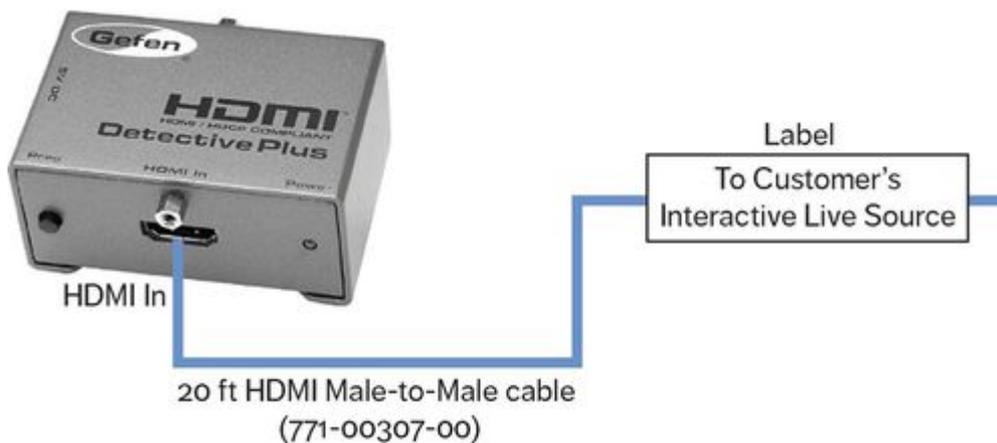
Note

The following two connections are for the optional Interactive Input Controller. If customer order does not include an IIC, proceed to step 3.

1. Connect the 2-foot HDMI Male-to-Male cable (771-00306-00) as shown here:
 - a. Connect one end to the HDMI In port (HDMI 1) on the X30:

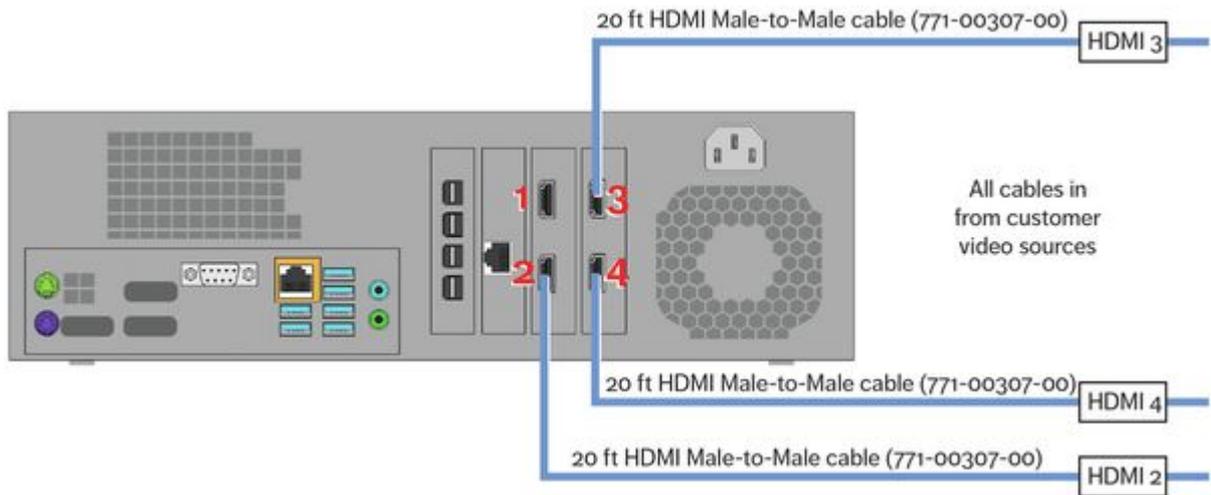


- b. Connect the other end to the Output 1 port on the ViewHD HDMI Splitter Amplifier on the IIC shelf.
2. Replace the 12-foot HDMI Male-to-Male cable on the IIC as shown here:
 - a. Disconnect the cable from the HDMI port of the HDMI Detective Plus unit.



- b. In it's place, connect the 20-foot HDMI Male-to-Male cable (771-00307-00).
 - c. Mark the free end of this cable with a label to indicate that it will connect to the customer's Interactive Live Source (such as a laptop).

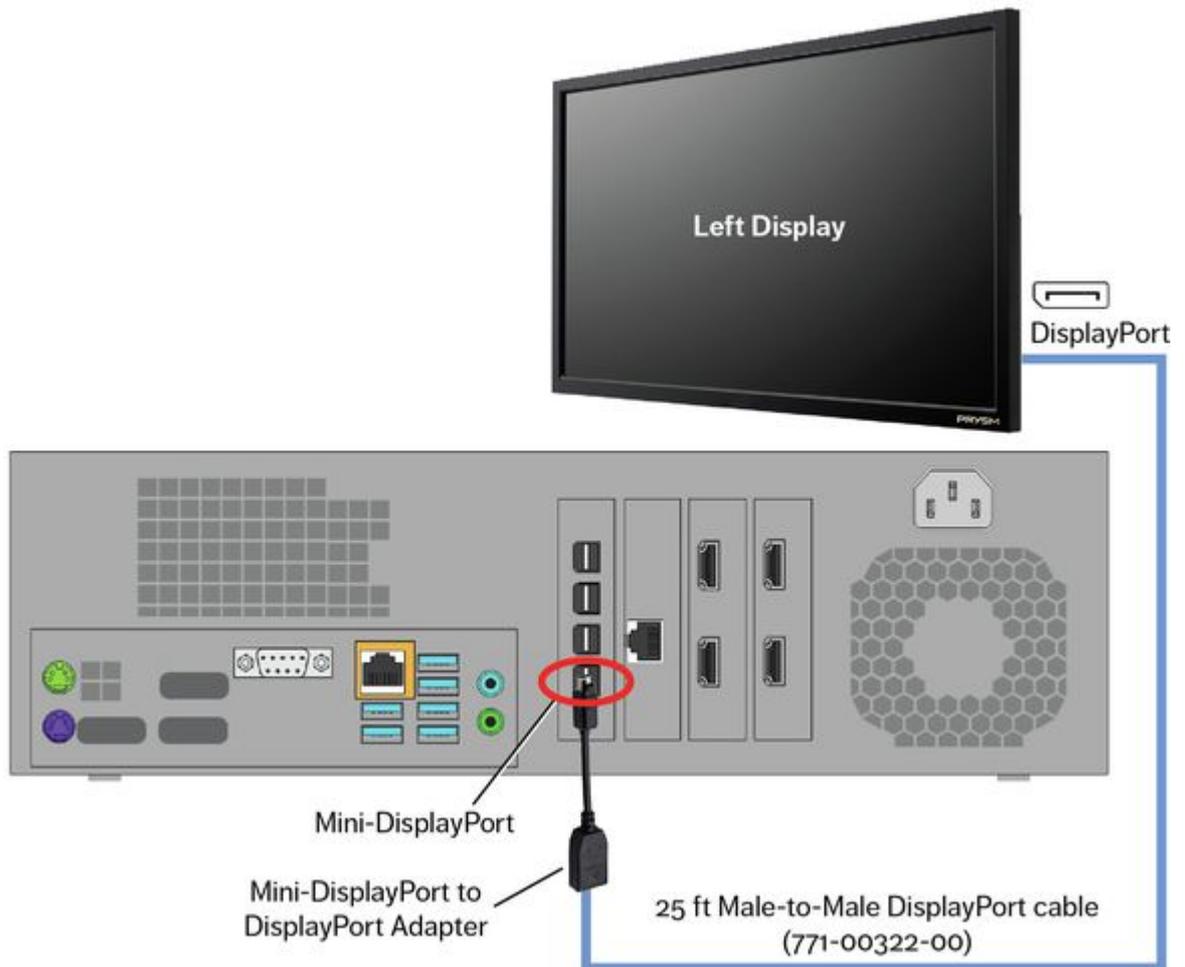
3. Connect the unlabeled end of each cable to the appropriate HDMI port on the rear of the X30 as shown here:



NOTE

The labeled ends of these HDMI cables will eventually go out to the live video sources.

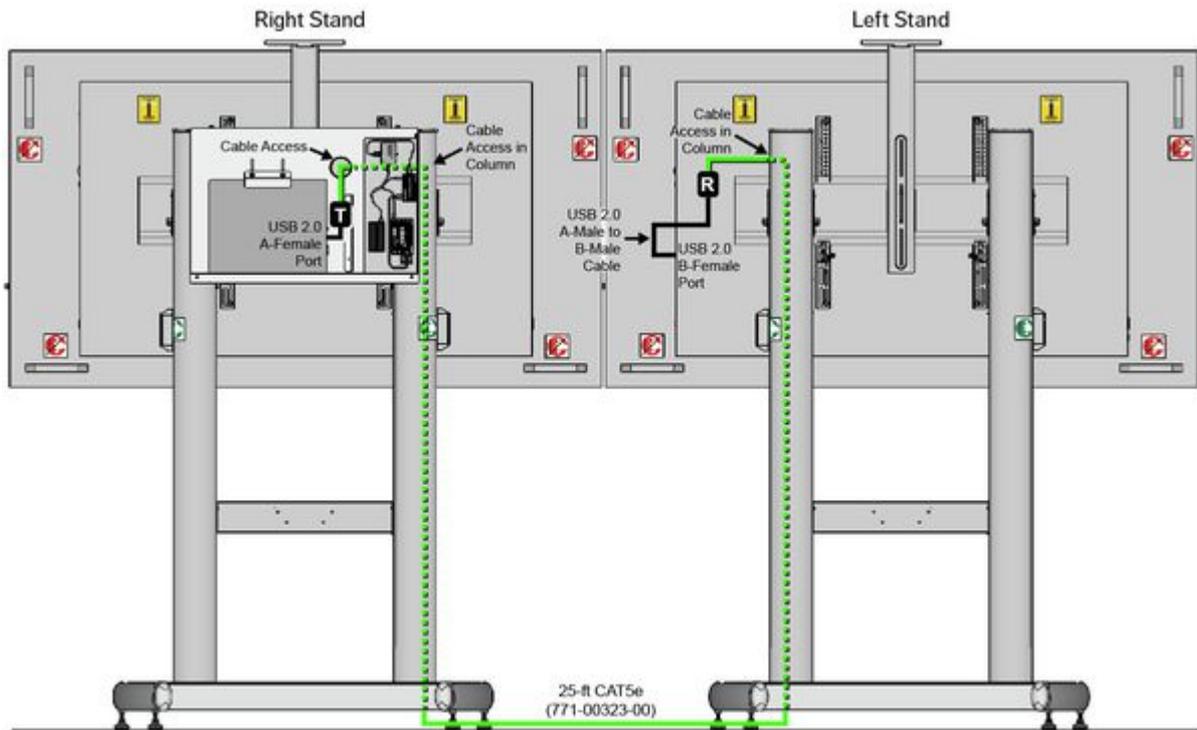
4. Connect the 25-foot Male-to-Male DisplayPort cable (771-00322-00) as shown in the illustration below:
 a. Connect one end of the DisplayPort cable to a DisplayPort connection on the Left display.



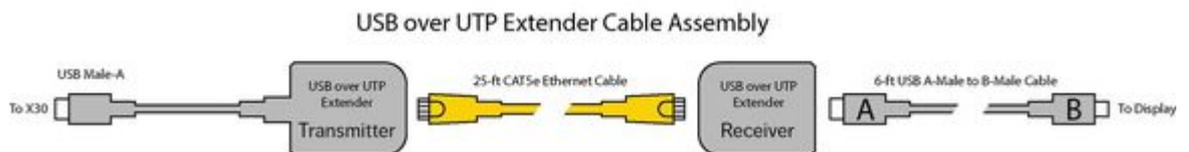
- b. Route the other end into the cabinet through the cable access hole.
- c. Connect the large end of a *Locking Mini-DisplayPort to DisplayPort Adapter* (781-00178-00, comes with X30) into the free end of the DisplayPort cable.
- d. Connect the small end of the adapter to the Mini-DisplayPort, Port A, in the rear of the X30.

USB over UTP Cable

1. Create and install the USB over UTP Cable Assembly as follows:

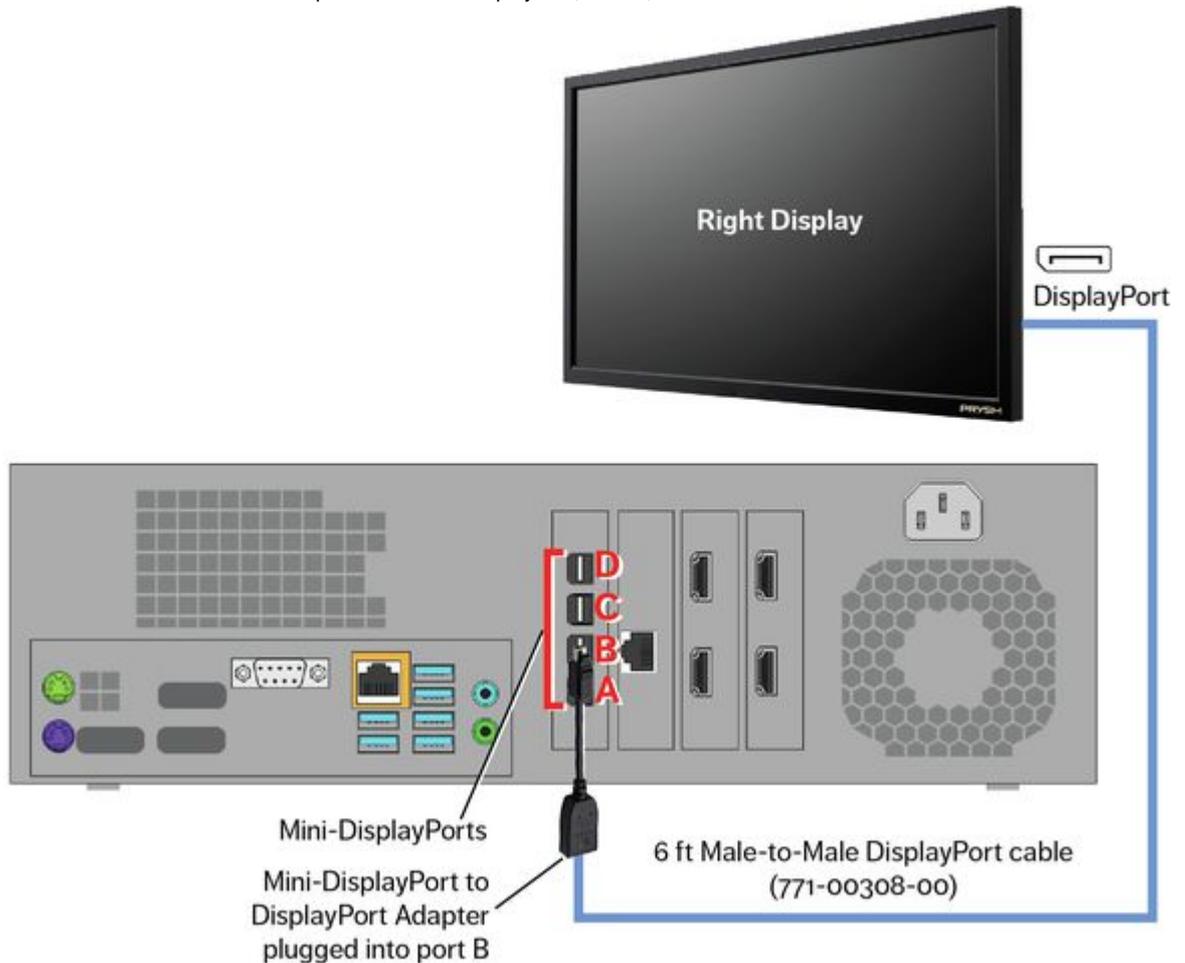


- a. Route the 25-foot CAT5e Ethernet cable (771-00323-00) through the Support Columns of the two stands as shown in the following illustration.
- b. Connect the Left-Stand-end of the CAT5e Ethernet cable to the RJ45 connector on the Transmitter (T) of the USB over UTP Extender (771-00319-00).
- c. Connect the USB Male-A end of the Extender to a USB 2.0 A-Female port on the rear panel of the X30. (Do *not* use a blue USB 3.0 port.)



- d. Connect the Right-Stand-end of the CAT5e cable to the Receiver (R) of the Extender.
- e. Connect the A-Male end of a 6-foot USB A-Male to B-Male cable (from one of the display cartons) to the Receiver (R) part of the Extender.
- f. Connect the B-Male end of the USB cable to the USB B-Female port on the display of the Right Stand.

2. Connect the 25-foot DisplayPort cable (771-00322-00) between the x30 and the Right display as shown in the illustration below:
 - a. Connect one end of the DisplayPort cable to a DisplayPort connection on the Right display.
 - b. Route the other end of the cable down the column following the same path as the previously installed CAT5e cable.
 - c. Route the other end into the cabinet on the Left Stand through the cable access hole.
 - d. Connect the large end of a *Locking Mini-DisplayPort to DisplayPort Adapter* (781-00178-00, comes with X30) into the free end of the DisplayPort cable.
 - e. Connect the small end of the adapter to the Mini-DisplayPort, Port B, in the rear of the X30.



Power Cables

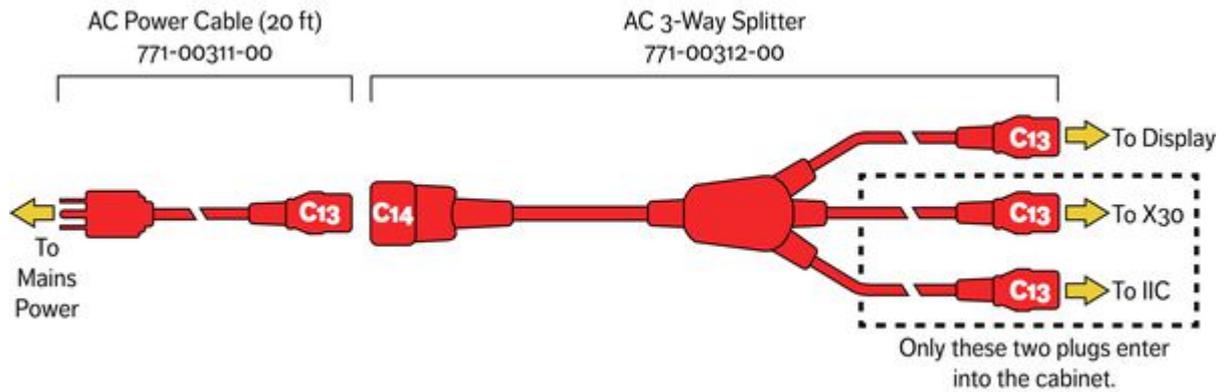
WARNING

Make sure no electronic components or power cables of the Prysm Visual Workplace stand are connected to mains power.

Left Stand

1. Holding the end of the AC 3-Way Splitter Cable (771-00312-00) with the three C13 connectors, feed an outer connector and the center connector through the cable access hole *into* the cabinet. Leave the third C13 connector cable outside of the cabinet.
2. Connect the C13 connector cable outside of the cabinet directly to the Power In connector near the On/Off switch of the display.
3. Inside the cabinet, connect the center C13 connector cable from the AC 3-Way Splitter Cable to the Power In port of the X30.
4. *For Optional IIC:* Remove the power cable connected to the Power Supply in the Interactive Input Controller. This will not be needed.
5. *For Optional IIC:* Connect the other C13 connector cable from the AC 3-Way Splitter Cable to the Power Supply on the Interactive Input Controller.

6. Connect the C14 end of the AC 3-Way Splitter Cable to the 20 ft AC extension cable (771-00311-00).



NOTE

The Prysm Visual Workplace systems accept voltages between 100v and 240v. However, the 20 ft power cable that comes with this product (771-00311-00) has a 5-15P type plug used for 110v receptacles. If the customer site does not have this type of power or receptacle, the customer must supply an adapter for the supplied cable, or a replacement cable.

Right Stand

1. Connect the C13 connector of the 2nd power cable (771-00311-00) directly to the Power In connector near the On/Off switch of the display.
2. Feed the other end of the cable into a grommet hole in one of the columns and down through the base.

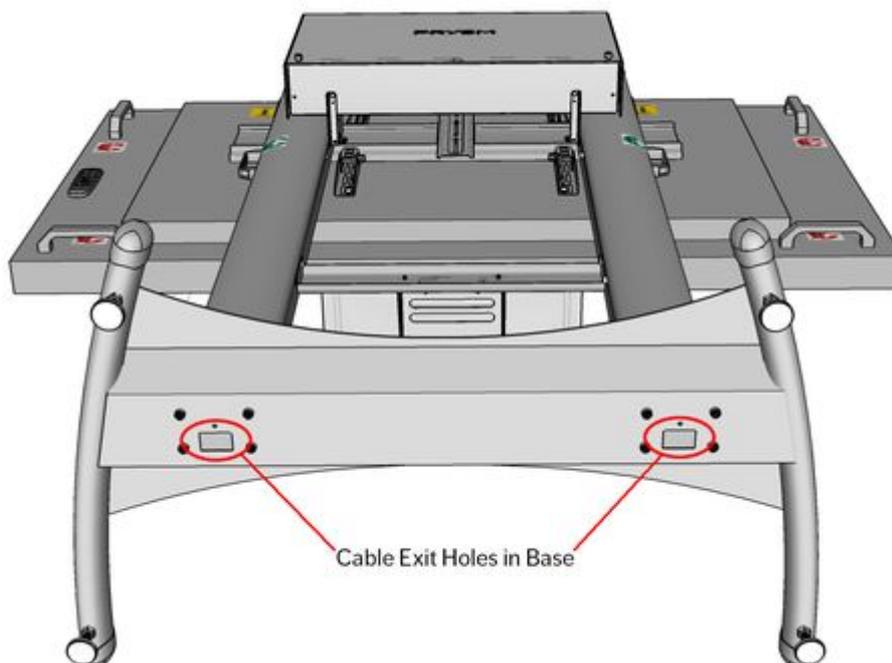
Cable Routing

1. Gather all cables that are to be routed out to sources.
2. Feed the cables installed previously in the cabinet out through the cable access hole in the back of the cabinet shelf.
3. To feed the cables down one of the columns of the Left Stand, gather the ends so that none of the connectors is next to each other. If the connectors are bunched up they won't go through the column's grommet hole.

NOTE

The plastic grommets in the Support Columns have a tendency to push through and get lost in the columns. It is best to remove the grommet on the hole into which you will be feeding the cables. Also, take care not to damage cables by dragging them against the rough edge of the grommet holes.

4. Using two people, have one person feed the cables down the hole while the other person pulls the cables down from the column hole *on the underside of the stand base*. Carefully pull them all the way through.



5. Once all cables are through, connect each cable at it's appropriate destination, including the power cable.

Disable USB to Serial

Once all cables are routed, disconnect the USB end of the USB to RS-232 cable (771-00245-00) from the rear of the X30. It is not to be connected until it is necessary to update the firmware of the display.

The cabling is complete. Proceed to [5. Startup Configuration](#).

5. Startup Configuration

The Prysm LCD Visual Workplace stand assembly is complete.



Verify and/or Update Display Firmware

To ensure that the display has the most current firmware installed and to install it, refer to:

- *Prysm 98, 85, 65, and 65 Core Firmware Update Procedure (230-00467-00).*

Lock the On Screen Display (OSD)

After verifying or updating the Display Firmware the OSD should be locked to prevent tampering of display settings.

To lock the remote control and keypad:

- Press **Enter**, **Enter**, **Exit**, **Exit**, **Enter**, and **Exit** on the remote control or keypad.

To unlock the remote control and keypad:

- Press **Enter**, **Enter**, **Exit**, **Exit**, **Enter**, and **Exit** on the remote control or keypad.

System Configuration and Testing

The next steps involve software configuration and testing. For these procedures, refer to:

- *Application Appliance Installation Guide (520-00064-00)*