GETTING HELP
For more information about installing, configuring, and administering Poly/Polycom products or services, go to Polycom Support.

Poly
345 Encinal Street
Santa Cruz, California
95060

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Before You Begin

The *Poly Medialign (Model P019) Installation Guide* describes how to install the Medialign system. This guide contains installation information for single display and dual display systems with 65”, 75”, and 86” displays.

- Poly Medialign 65, with single 65” display
- Poly Medialign 75, with single 75” display
- Poly Medialign 86, with single 86” display
- Poly Medialign 65D, with dual 65” displays
- Poly Medialign 75D, with dual 75” displays
- Poly Medialign 86D, with dual 86” displays

**Note:** This guide includes information for Poly Medialign models that are end-of-sale, including the Premier version with the RealPresence Group 500 and all models with the Polycom EagleEye Director II. You can use the a-la-carte version of Poly Medialign if you want to include RealPresence Group 500 or the Polycom EagleEye Director II.

### Audience, Purpose, and Required Skills

This guide is intended for trained installers of Poly Medialign systems.

For additional information about the Medialign, refer to these other documents:

- *Poly Medialign System Design Specification*, which provides the wiring diagrams for the Medialign system including A/V, network, and power. This document also includes a component reference list.
- *Poly Video Mode Administrator Guide*, which provides information about how to upgrade and configure the Polycom G7500 software, configure features, and maintain systems.
- *Poly VideoOS Release Notes*, which lists the features and limitations of the G7500 system.
- *Polycom RealPresence Group Series Administrator Guide*, which provides information about how to upgrade and configure the Polycom RealPresence Group Series software, configure features, and maintain systems.

Additional Polycom documentation is available at [www.poly.com/support](http://www.poly.com/support).

### Related Poly and Partner Resources

See the following sites for information related to this release.
The Poly Online Support Center is the entry point to online product, service, and solution support information including Licensing & Product Registration, Self-Service, Account Management, Product-Related Legal Notices, and Documents & Software downloads.

The Poly Document Library provides support documentation for active products, services, and solutions. The documentation displays in responsive HTML5 format so that you can easily access and view installation, configuration, or administration content from any online device.

The Poly Community provides access to the latest developer and support information. Create an account to access Poly support personnel and participate in developer and support forums. You can find the latest information on hardware, software, and partner solutions topics, share ideas, and solve problems with your colleagues.

The Poly Partner Network are industry leaders who natively integrate the Poly standards-based RealPresence Platform with their customers’ current UC infrastructures, making it easy for you to communicate face-to-face with the applications and devices you use every day.

The Poly Services help your business succeed and get the most out of your investment through the benefits of collaboration.

Poly Lens enables better collaboration for every user in every workspace. It is designed to spotlight the health and efficiency of your spaces and devices by providing actionable insights and simplifying device management.

With Poly+ you get exclusive premium features, insights and management tools necessary to keep employee devices up, running and ready for action.
Installation Overview

This chapter introduces the Poly Medialign (Model P019) system and provides the following information you need before you begin the physical installation of the Medialign system in the room.

- Installation Toolkit
- Installation Sequence Overview
- Pre-Installation Tasks

Single Display Medialign Systems

The Medialign single-display system contains a single frame that supports all configurations, panels with four different color options, and single 65", 75", or 86" displays.

The Medialign system currently supports one of the following cameras. Refer to the Poly System Design Specification for camera wiring details.

- Polycom EagleEye Director II
- Polycom EagleEye IV
- Poly Studio E70
Dual Display Medialign Systems

The Medialign dual-display system contains dual 65”, 75”, or 86” displays.

The Medialign system currently supports one of the following cameras. Refer to the Poly System Design Specification for camera wiring details.

- Polycom EagleEye Director II
- Polycom EagleEye IV
- Poly Studio E70
Poly Medialign 65D system, with dual 65" displays
Installation Toolkit

Most of the items you need to install the Medialign system are shipped with the system. However, you should also have the following items available before you begin the installation.

Tools Needed for Installation

- Drill/driver
- 8 mm (5/16 in.) socket driver
- M4, M5, and M8 hex wrenches and/or bits
- #1 and #2 Phillips drivers
- 2’ Level
- Ladder

Cleaning and Room Maintenance Products

- Front wall panels and table top surface cleaners, such as Formula 409, Fantastik®, Top Job, or Mr. Clean.
- Screen cleaner, such as Klear Screen KS-HDK HD Cleaning Kit Plasma and LCD Screen Cleaner or equivalent

Installation Sequence Overview

When assembling a Medialign system, you usually assemble the equipment in the order listed in this section. However, the installation sequence may vary due to factors such as room configuration or limited space to store the equipment during installation.

Attach Horizontal Support Rail:

1. Standard height
2. With optional 6” riser
3. With optional 12” riser (65” and 75” displays only)

Assemble Base:

1. Assemble the base frame

Mount Frame:

1. Attach wall mount brackets
2. Mount frame to wall
Installation Overview

Speakers:
1. Attach speakers to speaker bracket
2. Attach speaker bracket assembly to the frame
3. Connect speaker cables
4. Secure the speaker bracket to the frame

Install Components:
1. Install the PDU
2. Install the RealPresence Group 500 or G7500 codec

Displays:
1. Attach display brackets to display
2. Mount the display to the base frame

Camera:

EagleEye Director II
1. Attach EagleEye Director II base to camera bracket
2. Connect camera cables
3. Mount camera base on the frame
4. Complete the EagleEye Director II assembly

EagleEye IV
1. Connect camera cables
2. Mount camera on the frame

Studio E70
1. Connect camera cables
2. Mount camera on the frame

Cable the System:
1. Cable the Poly Medialign system

Power On Devices:
1. Ensure all cables and electrical connections are complete
2  Dress out cables  
3  Turn power on for all devices  
4  Verify functionality

Attach Covers:

1  Attach optional riser cover(s)  
2  Attach cover panel  
3  Attach speaker cover  
4  Attach side covers  
5  Attach magnetic Poly logo

Pre-Installation Tasks

Before installing Medialign, there are installation tasks that must be done ahead of time.

Before beginning the physical installation, you must do the following:

1  Inspect the site.
   a  Locate the equipment boxes and the room in which you plan to install the Medialign system. Ensure that the electrical box is accessible to disconnect power after installation of the system. If the electrical box is not accessible, a clearly-labeled POWER DISCONNECT switch must be installed in the room.  
   b  Review the documentation for preparing a room for interactive video conferencing to make sure that the room is as described and that the customer has completed all the necessary facilities changes.  
   c  Verify that the horizontal support rail is correctly installed.  
   d  Verify that power and network connections are installed as required. Refer to the following diagrams for the correct connections area.
      ♦  Medialign Single System Connections Area  
      ♦  Medialign 65D System Connections Area  
      ♦  Medialign 75D System Connections Area  
      ♦  Medialign 86D System Connections Area  
2  Make sure that you are familiar with the customer’s protocols and procedures for security and safety.  
3  When unpacking, do the following:
   a  Review the packing slip, including the list of spare parts.  
   b  Check the inventory for completeness.  
      Some components are packaged with the hardware needed for their installation. Use care when unpacking these components so that you don’t accidentally discard the hardware with the packing material.
c Verify both the quantity and condition of the components.  

Note: For single-display installations, extra parts are included. Retain the extra parts for future use to upgrade to a dual-display system.

d Report any damaged items to the Project Manager immediately.

4 Stage the equipment so that you can access the components in the order that you install them.
Setting Up the Poly Medialign Single Display System

The Poly Medialign single display system comes with either a 65”, 75”, or 86” display. This chapter provides instructions for setting up the single display frame and attaching the 65”, 75”, or 86” display.

Set Up the Poly Medialign Single Display Frame
Set Up the Poly Medialign 65 System
Set Up the Poly Medialign 75 System
Set Up the Poly Medialign 86 System

Set Up the Poly Medialign Single Display Frame

This section describes how to set up the Poly Medialign single display frame used with either a 65”, 75”, or 86” display.

Before installation, unpack and take inventory of all parts to make sure you have everything. If you don’t, call Poly Support for missing item(s). The list of components don’t contain all of the parts for every configuration.

Note: The accessory kit shipped with the single display includes the hardware to install two displays. Retain the extra hardware in case you install a second display in the future.

Medialign Components

<table>
<thead>
<tr>
<th>Item</th>
<th>Part Number</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Horizontal Support Rail</td>
<td>1354-84599-001</td>
<td>1</td>
</tr>
<tr>
<td>V-Rail Frame</td>
<td>2350-85975-001</td>
<td>2</td>
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<tr>
<td>Top Frame Support Bracket</td>
<td>1342-85953-001</td>
<td>1</td>
</tr>
<tr>
<td>M6 × 12mm Screw</td>
<td>1601-68586-001</td>
<td>30</td>
</tr>
<tr>
<td>Horizontal Frame</td>
<td>2350-85976-001</td>
<td>2</td>
</tr>
<tr>
<td>M10 × 25mm Screw</td>
<td>1601-67617-002</td>
<td>8</td>
</tr>
<tr>
<td>Speaker Mount Bracket</td>
<td>1342-85952-001</td>
<td>1</td>
</tr>
<tr>
<td>6” Riser (Optional)</td>
<td>1342-85959-001</td>
<td>2</td>
</tr>
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</table>
### Setting Up the Poly Medialign Single Display System

<table>
<thead>
<tr>
<th>Item</th>
<th>Part Number</th>
<th>Quantity</th>
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</thead>
<tbody>
<tr>
<td>12&quot; Riser (Optional) (65° and 75° only)</td>
<td>1342-85961-001</td>
<td>2</td>
</tr>
<tr>
<td>Speakers</td>
<td>2565-84879-001</td>
<td>2</td>
</tr>
<tr>
<td>Wall Mount Bracket</td>
<td>1342-85958-001</td>
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<tr>
<td>12-24 × 1.25 Self-tapping Hex Screw</td>
<td>1601-52879-001</td>
<td>4</td>
</tr>
<tr>
<td>Power Distribution Unit (PDU)</td>
<td>1583-52876-008</td>
<td>1</td>
</tr>
<tr>
<td>M4 × 8 Screw</td>
<td>1601-42846-001</td>
<td>2</td>
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<tr>
<td>Codec Mount Bracket</td>
<td>1342-85957-001</td>
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<td>RealPresence Group 500 Codec</td>
<td>2215-67205-001</td>
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<tr>
<td>G7500 Codec</td>
<td>2215-85890-001</td>
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<td>M3 × 8mm Thumb Screw</td>
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<tr>
<td>IP Table Microphone</td>
<td>2200-85250-001</td>
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<td>65&quot; Display or 75&quot; Touch Display or 86&quot; Display</td>
<td>Varies by region</td>
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</tr>
<tr>
<td>M8 × 20mm Screw</td>
<td>1601-52713-001</td>
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<tr>
<td>EagleEye Director II with 2 EagleEye IV-12 Cameras</td>
<td>7230-69420-001</td>
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<td>65&quot; Top Camera Plate</td>
<td>1342-85954-001</td>
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<td>EagleEye Director II 86&quot; Camera Mount Bracket</td>
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<td>EagleEye IV Camera</td>
<td>1624-66057-002</td>
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<tr>
<td>Studio E70 Camera</td>
<td>2200-87090-001</td>
<td>1</td>
</tr>
<tr>
<td>6&quot; Riser Cover (Optional)</td>
<td>2345-85968-001</td>
<td>1</td>
</tr>
<tr>
<td>12&quot; Riser Cover (Optional)</td>
<td>2345-85969-001</td>
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<tr>
<td>Panel Support Bracket</td>
<td>1342-85984-001</td>
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<tr>
<td>Front Panel</td>
<td>2352-48053-100 (Apple)</td>
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</tr>
<tr>
<td>2352-48053-400 (Black)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2352-48053-500 (White)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2352-48053-600 (Slate Gray)</td>
<td></td>
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<tr>
<td>M5 × 10mm Flanged Head Screw</td>
<td>1601-12997-001</td>
<td>3</td>
</tr>
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</table>

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To install the Medialign single display frame:

1. Install power, network, and any other connectivity outlets in the areas shown in the following diagram.

### Medialign Single System Connections Area

[Diagram of Medialign Single System Connections Area]

2. Attach the horizontal support rail and mount it at the proper height.

**Warning:**

Use appropriate mounting and anchoring hardware for the wall type. Failure to provide adequate structural strength can result in damage to the equipment, voiding the warranty, and causing possible serious personal injury. The installer is responsible for conforming to all applicable building codes and local requirements.

Also, ensure that the wall does not have vibrations that could cause the mounted camera to shake, more likely to be seen when the camera is zoomed in. You can feel the vibration in a wall by lightly placing your hand on the wall.
For standard height, attach the horizontal support rail 1081.10 mm (42.56 in.) from the floor using eight wall anchors appropriate for your wall type (not supplied). Use the upper and lower holes in the rail.
If you want to mount the Medialign system higher than the standard height, you can add a 6” or 12” riser.

- With a 6” riser, attach the horizontal support rail 1219.48 mm (48.01 in.) from the floor using eight wall anchors.
With a 12” riser (Medialign 65 and Medialign 75 systems only), attach the horizontal support rail 1371.88 mm (54.01 in.) from the floor using eight wall anchors.
3. Assemble the base frame on the floor.
   a. Place two V-rails on the floor with the feet toward the wall where you plan to anchor the frame. Space them approximately 1350 mm (53 in.) apart. Orient the rails face down (open side up).

   b. Screw the leveling feet out until the lower edges of the feet extend 34 mm (1 5/16 in.) beyond the end of the V-rail.
c If using a riser kit, remove the leveling feet from the V-rails and install them in the risers. Screw them in to the risers until the lower edges of the feet extend 34 mm (1 5/16 in.) beyond the end of the riser. Slide the risers on the V-rails and attach them using two M6 × 12 mm screws per riser.
d. Place two horizontal frames between the V-rails. Orient them so that the faces with screw holes are toward the floor and the vertical straps are up. One rail edge of each frame has small screw holes and the other has large screw holes (circled in red in the next figure). Orient the top frame with the large screw holes up (away from the wall). Orient the lower frame with the large screw holes down (toward the wall). Attach the frames to the V-rails using four M10 × 25 mm screws per frame.

![Diagram showing frame placement and screw holes]

- **Horizontal Frame**: 2350-85976-001
- **Frame V-Rail**: 2350-85975-001
- **Large Screw Hole**

**e.** Raise the frame assembly and lean it against the wall.
f. Attach two wall mount brackets to the lower rail of the upper horizontal frame using two M6 × 12 mm screws per bracket.


g. Center the frame assembly on the horizontal support rail. Move the frame close to the wall so that the vertical rails are approximately 5 cm (2 in.) away from the wall. Check for plumb and level, adjusting the leveling feet and the distance of the V-rails from the wall as required.
h  Attach the frame assembly to the horizontal support rail by driving two self-tapping screws through each wall mount bracket. Double check for plumb and level.

Caution: Wear safety glasses when installing the self-tapping hex screws.
i Attach the speakers to the speaker mount bracket using the M6 × 12 mm Phillips head screws supplied with the speakers. Orient the speakers so that the tweeters are toward the outside of the frame.

j Partially thread in two M6 × 12 mm flanged button screws in the lower locations on the inside of the V-rails. Leave about half of the thread exposed.
**k** Slide the lower slots of the speakers and bracket assembly over the screws and swing the assembly in place.

**l** Attach the RCA cables to the speakers. Route the connectors behind the speaker bracket and through the opening in the bracket. Connect the 3' cable to the left speaker and the 10' cable to the right.
m Secure the speaker / bracket assembly to the V-rails by installing two more M6 × 12 mm screws in the top slots of the bracket. Tighten all four screws.

(2) M6 × 12 mm SCREW
1601-68586-001

n Install the PDU on the top rail of the lower support frame using two M4 × 8 mm screws.

(2) M4 x 8 mm SCREW
1601-42846-001

PDU
1583-52876-008
Setting Up the Poly Medialign Single Display System

- On the regulatory label, select the version of the Medialign system being installed.

![Poly Medialign (Model P019)]

**Poly Medialign (Model P019)**

Installed Product Model Number:
- Medialign 65
- Medialign 75
- Medialign 86
- Medialign 65D
- Medialign 75D
- Medialign 86D

100/240V AC, 6A, 50/60 Hz

Polycom (Netherlands) BV, Skorpius 171, 2132 LR, Hoofddorp, The Netherlands

- Apply the regulatory label to the codec mounting bracket as indicated in the below image.
- Attach the codec to the codec mounting bracket using two M3 × 8 mm thumb screws.
Install the codec / mounting bracket assembly on the upper rail of the lower horizontal frame. Slide the upper portion of the bracket behind the upper rail and then rotate it into place.
s  Attach the cover panel support brackets using four M6 × 12 mm screws. Use the top slots on the upper bracket. Use the bottom slots on the lower bracket.

t  If you have an EagleEye Director II, place the EagleEye Director II power adapter inside the channel of the lower rail of the upper horizontal frame. Locate it to the left of the left wall mount bracket. Apply a ferrite bead to the end of the coaxial cable that connects to the camera base. Run the coaxial cable along the horizontal support rail over to the left V-rail.

u  Connect a 1M C13-C14 cable to the power adapter. Route it down behind the speaker bracket and rails and connect it to the PDU.

v  Route the mini-HDCI end of the EagleEye Director II camera cable through the codec mounting bracket, behind the speaker bracket and support frames up to the horizontal support rail. Run it along the horizontal support rail to the left V-rail.

w  Route the 3.5mm end of the EagleEye Director II camera audio cable through the codec mounting bracket, behind the speaker bracket and support frames up to the horizontal support rail. Run it along the horizontal support rail to the left V-rail.

4  Continue the installation.

- If you have a 65” display, refer to Set Up the Poly Medialign 65 System to continue the installation.
- If you have a 75” display, refer to Set Up the Poly Medialign 75 System to continue the installation.
- If you have an 86” display, refer to Set Up the Poly Medialign 86 System to continue the installation.
Set Up the Poly Medialign 65 System

This section describes how to set up the Poly Medialign 65 system with a single 65” display.

Mount the 65” Display

**Caution:** Two people are required to lift the display.

To mount the 65” display:

1. Attach the display mount bracket to the 65” display using four M6 × 12 mm screws.
2 Partially install two M6 × 12 mm screws into the outside top of each V-rail. Leave about half of the threads exposed.
3 Hang the display on the frame. Secure it using two M8 × 20 mm screws.

(2) M8 × 20 mm SCREW
1601-52713-001
4 Install the top frame support bracket, sliding it over the four M6 × 12 mm screws previously installed. Secure it by tightening all screws.

Mount the Camera

The Medialign system currently supports one of the following cameras. Refer to the Poly Medialign System Design Specification for camera wiring details.

- Polycom EagleEye Director II
- Polycom EagleEye IV
- Poly Studio E70
Mount the EagleEye Director II Camera

To mount the EagleEye Director II camera:

1. Following the supplied instructions, assemble the microphone column to the EagleEye Director II base. Do not install the cameras yet.

2. Attach the EagleEye Director II base to the top camera plate using the four screws supplied in the EagleEye Director II accessory kit.

3. Pull the HDCI, camera audio, and camera power cables up and behind the top frame support bracket. Connect them to the EagleEye Director II base. Tuck the power cable ferrite bead inside the cavity beneath the EEDII base.
4 Keeping the cables routed toward the center of the frame, attach the camera and bracket assembly to the top frame support bracket using four M6 × 12 mm screws.

5 Refer to the Polycom EagleEye Director II Setup Sheet to complete the EagleEye Director II assembly.
Mount the EagleEye IV Camera

To mount the EagleEye IV camera:

1. Attach the EagleEye IV camera to the top camera plate using four M3 x 10 mm screws supplied in the frame kit.

2. Pull the camera HDCI cable up and behind the top frame support bracket. Connect it to the camera.

**Note:** It may be easier to connect the cable to the camera before mounting the camera to the top camera plate.
3. Keeping the cable routed toward the center of the frame, attach the camera and bracket assembly to the top frame support bracket using four M6 × 12 mm screws.
Mount the Studio E70 Camera

To mount the Studio E70 camera:

1. Attach the Studio E70 camera to the top camera plate using the 1/4-20 thumb screw supplied with the camera.

2. Pull the camera USB-A to USB-C and the RJ45 LAN cables up and behind the top frame support bracket. Connect the USB-C end of the cable to the camera.

**Note:** It may be easier to connect the cables to the camera before mounting the camera to the top camera plate.
3 Keeping the cable routed toward the center of the frame, attach the camera and bracket assembly to the top frame support bracket using two M6 × 12 mm screws.

**Note:** Adjust the angle of the Studio E70 as needed to provide an optimum view of the room.

**Cable the Medialign 65 System**

**To cable the Medialign 65 system:**

1. Connect the camera cable to the codec. Refer to the setup document for your camera for details.
2 Connect the 3.5mm to 2x RCA-F Y-adapter cable to the codec audio out.

3 For EagleEye Director II only, connect the camera audio cable RCA-M connectors to the Y-adapter, red to red and white to white.

4 Connect the RCA cable for the right speaker to the audio cable red RCA-F.

5 Connect the RCA cable for the left speaker to the audio cable white RCA-F.

6 Apply a ferrite bead to one end of the 2M HDMI cable. Connect that end of the cable to the display HDMI 1 input. Connect the other end to the codec primary display output.

7 Place the speaker power adapter in the lower rail of the lower horizontal frame toward the right side.

8 Connect a 1M C13-C14 cable to the speaker power adapter. Route it up behind the frame and connect it to the PDU.

9 Connect the speaker power Y-adapter to the speaker power adapter.
   ➢ Route the short side of the Y-adapter to the closest speaker and connect it.
   ➢ Route the long side of the Y-adapter to the farthest speaker and connect it.

10 Place the codec power adapter in the lower rail of the lower horizontal frame at about the center. Route the cable up to the codec and connect it.

11 Connect a 1M C13-C14 cable to the codec power adapter. Route it up behind the frame and connect it to the PDU.

12 Connect the C14-C5 adapter to the display. Connect a 1M C13-C14 cable to the C14-C5 adapter. Route it down and connect to the PDU.

13 Connect the mains cable to the wall outlet. Route it behind the frame and connect it to the PDU.

14 Connect the network cable to the network port. Route it behind the frame and connect it to the codec network port.

15 Connect the microphone cable to the codec. Route it down, out of the frame, and to the furniture on which the microphone will be placed. Connect the other end of the cable to the microphone.

16 Ensure that all cables and electrical connections are complete. Turn power on for all of the devices and verify functionality. Refer to the Poly Medialign System Design Specification for connection and wiring details.

**Warning:** You must plug the PDU power cable directly into a wall power outlet. You cannot use an extension cord.

**Complete the Medialign 65 System Setup**

**Note:** The figures in this section show the EagleEye Director II attached to the Medialign system. You may have an EagleEye IV camera or Studio E70 camera attached to the system.

**To complete the Medialign system setup:**

1 Attach the optional riser covers.
If you installed the 6" risers, attach the 6" riser cover with magnets.
If you installed the 12” risers, attach the 12” metal riser cover with magnets.
2 Attach the cover panel by hooking it onto the support brackets.
3 Attach the speaker cover with magnets.
4 Attach the two side covers with magnets.

(2) SIDE COVER
2352-85971-001
5 Attach the magnetic Poly logo in the center of the speaker cover. Optionally, you can peel the liner from the logo and attach it in the top left corner of the front cover panel 5.08 cm (2 in.) from the left and top edges.
Set Up the Poly Medialign 75 System

This section describes how to set up the Poly Medialign 75 system with a single 75” display.

**Note:** The Dell 75” touch display includes a stylus that doesn’t work with Poly Medialign systems with the RealPresence Group 500. Instead, use the opposite end of the stylus or your fingers on the Dell 75” touch display.

**Mount the 75” Display**

To mount the 75” display:

**CAUTION:**

Three people are required to lift the display. Due to the weight of the 75” display (64 kg [141.10 lbs]) and the lift height required on a frame with 12” risers, installation of the 75” display on a frame with 12” risers must be done by professional installers.
1. Attach two display brackets to the display using two M8 × 20 mm screws per bracket. Align the fifth hole from the top of the brackets with the upper fixing points on the display.

2. Remove the lower handles from the display. Store them carefully for future use.
3. Partially install two M6 × 12 mm screws into the outside top of each V-rail. Leave about half of the threads exposed.

Note: You may prefer to connect the 1M C13-C14 power cable to the display before mounting.
4 Hang the 75” display centered on the frame and secure with two M8 × 20 mm screws.

5 Confirm that the frame and display are level. Adjust leveling feet, if needed.
6 Install the top frame support bracket, sliding it over the four M6 × 12 mm screws previously installed. Secure it by tightening all screws.

Mount the Camera

The Medialign system currently supports one of the following cameras. Refer to the Poly Medialign System Design Specification for camera wiring details.

- Polycom EagleEye Director II
- Polycom EagleEye IV
- Poly Studio E70
Mount the EagleEye Director II

To mount the EagleEye Director II:

1. Assemble the EagleEye Director II.
   a. Following the supplied instructions, assemble the microphone column to the EagleEye Director II base. Do not install the cameras yet.
   b. Attach the EagleEye Director II base to the camera mount bracket using the screws supplied in the EagleEye Director II accessory kit.
   c. Pull the HDCI, camera audio, and camera power cables up and behind the top frame support bracket. Connect them to the EagleEye Director II base. Strain relieve the power cable near the camera base if necessary.
d  Place the camera / bracket assembly on top of the display. Secure it to the top frame support bracket using two M6 × 12 mm screws.

e  Refer to the Polycom EagleEye Director II Setup Sheet to complete the EagleEye Director II assembly.
Mount the EagleEye IV Camera

To mount the EagleEye IV camera:

1. Attach the EagleEye IV camera to the top camera plate using four M3 x 10 mm screws supplied in the frame kit.

2. Pull the camera HDCI cable up and behind the top frame support bracket. Connect it to the camera.

*Note:* It may be easier to connect the cable to the camera before mounting the camera to the top camera plate.
3. Keeping the cable routed toward the center of the frame, attach the camera and bracket assembly to the top frame support bracket using four M6 × 12 mm screws.

(4) M6 × 12 mm SCREW 1601-68586-001
Mount the Studio E70 Camera

To mount the Studio E70 camera:

1. Attach the Studio E70 camera to the camera mount bracket using the 1/4-20 thumb screw supplied with the camera.

2. Pull the camera USB-A to USB-C and the RJ45 LAN cables up and behind the top frame support bracket. Connect the USB-C end of the cable to the camera.

**Note:** It may be easier to connect the cables to the camera before mounting the camera to the top camera plate.
3. Keeping the cable routed toward the center of the frame, attach the camera and bracket assembly to the top frame support bracket using two M6 × 12 mm screws.

Note: Adjust the angle of the Studio E70 as needed to provide an optimum view of the room.

Cable the Medialign 75 System

To cable the Medialign 75 system:

1. Connect the camera cable to the codec. Refer to the setup document for your camera for details.
2. Connect the 3.5mm to 2x RCA-F Y-adapter cable to the codec audio out.
3. For EagleEye Director II only, connect the camera audio cable RCA-M connectors to the Y-adapter, red to red and white to white.
4. Connect the RCA cable for the right speaker to the audio cable red RCA-F.
5 Connect the RCA cable for the left speaker to the audio cable white RCA-F.

6 Apply a ferrite bead to one end of the 2M HDMI cable. Connect that end of the cable to the display HDMI 1 input. Connect the other end to the codec primary display output.

7 Connect the B end of a USB cable to the display HDMI 1 input USB port. Connect the A end to the USB-A port on the codec.

8 Place the speaker power adapter in the lower rail of the lower horizontal frame toward the right side.

9 Connect a 1M C13-C14 cable to the speaker power adapter. Route it up behind the frame and connect it to the PDU.

10 Connect the speaker power Y-adapter to the speaker power adapter.
   ➢ Route the short side of the Y-adapter to the closest speaker and connect it.
   ➢ Route the long side of the Y-adapter to the farthest speaker and connect it.

11 Place the codec power adapter in the lower rail of the lower horizontal frame at about the center. Route the cable up to the codec and connect it.

12 Connect a 1M C13-C14 cable to the codec power adapter. Route it up behind the frame and connect it to the PDU.

13 Connect a 1M C13-C14 cable to the display. Route it down and connect to the PDU.

14 Connect the mains cable to the wall outlet. Route it behind the frame and connect it to the PDU.

15 Connect the network cable to the network port. Route it behind the frame and connect it to the codec network port.

16 Connect the microphone cable to the codec. Route it down, out of the frame, and to the furniture on which the microphone will be placed. Connect the other end of the cable to the microphone.

17 Ensure that all cables and electrical connections are complete. Turn power on for all of the devices and verify functionality. Refer to the Poly Medialign System Design Specification for connection and wiring details.

**Warning:** You must plug the PDU power cable directly into a wall power outlet. You cannot use an extension cord.

---

**Complete the Medialign 75 System Setup**

**Note:** The figures in this section show the EagleEye Director II attached to the Medialign system. You may have an EagleEye IV camera or Studio E70 camera attached to the system.
To complete the Medialign 75 system setup:

1. Attach the optional riser covers.
   - If you installed the 6” riser, attach the 6” riser cover with magnets.
If you installed the 12" riser, attach the 12" riser cover with magnets.
2 Attach the cover panel by hooking it onto the support brackets.
3. Attach the speaker cover with magnets.
4. If not already removed, remove the lower display handles on both sides of the displays and attach the two side covers with magnets.

5. Attach the magnetic Poly logo in the center of the speaker cover. Optionally, you can peel the liner from the logo and attach it in the top left corner of the front cover panel 5.08 cm (2 in.) from the left and top edges.
Set Up the Poly Medialign 86 System

This section describes how to set up the Poly Medialign 86 system with a single 86” display.

Mount the 86” Display

To mount the 86” display:

Caution: Three people may be required to lift the display.

1. Attach two display brackets to the 86” display using three M8 × 20 mm screws per bracket. Align the second hole from the top of the brackets with the upper fixing points on the display.
2. Remove the lower handles from the display. Store them carefully for future use.

3. Hang the display centered on the upper horizontal frame and secure it using two M8 × 20 mm screws.

People sitting in front of the system must be at least 8 ft. away due to the camera angle when the camera is mounted on top of the display.
Mount the Camera

The Medialign system currently supports one of the following cameras. Refer to the Poly Medialign System Design Specification for camera wiring details.

- Polycom EagleEye Director II
- Polycom EagleEye IV
- Poly Studio E70

Mount the EagleEye Director II

To mount the EagleEye Director II:

1. Following the supplied instructions, assemble the microphone column to the EagleEye Director II base. Do not install the cameras yet.

2. Attach the EagleEye Director II base to the camera mount bracket using the screws supplied in the EagleEye Director II accessory kit.

3. Pull the HDCI, camera audio, and camera power cables up and connect them to the EagleEye Director II base. Strain relieve the power cable near the camera base if necessary.
4. Place the camera / bracket assembly on top of the display. Secure it to the display using three M5 × 10mm screws.

5. Confirm that the frame and display are level. Adjust leveling feet, if needed.

6. Refer to the Polycom EagleEye Director II Setup Sheet to complete the EagleEye Director II assembly.
Mount the EagleEye IV Camera

To mount the EagleEye IV camera:

1. Attach the EagleEye IV camera to the camera display mount bracket using four M3 x 10 mm screws supplied in the frame kit.

2. Pull the camera HDCI cable up and behind the top frame support bracket. Connect it to the camera.

**Note:** It may be easier to connect the cable to the camera before mounting the camera to the top camera plate.
3. Keeping the cable routed toward the center of the frame, attach the camera and bracket assembly to the top frame support bracket using three M5 × 10 screws.

NOTE THAT THE EAGLEEYE DIRECTOR II BASE IS SHOWN INSTEAD OF THE EAGLEEYE IV CAMERA.
Mount the Studio E70 Camera

To mount the Studio E70 camera:

1. Attach the Studio E70 camera to the camera display mount bracket using the 1/4-20 thumb screw supplied with the camera.

2. Pull the camera USB-A to USB-C and the RJ45 LAN cables up and behind the top frame support bracket. Connect the USB-C end of the cable to the camera.

**Note:** It may be easier to connect the cables to the camera before mounting the camera to the top camera plate.
3. Keeping the cable routed toward the center of the frame, attach the camera and bracket assembly to the top frame support bracket using three M5 × 10 mm screws.

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**Cable the Medialign 86 System**

**To cable the Medialign 86 system:**

1. Connect the camera cable to the codec. Refer to the setup document for your camera for details.
2. Connect the 3.5mm to 2x RCA-F Y-adapter cable to the codec audio out.
3. For EagleEye Director II only, connect the camera audio cable RCA-M connectors to the Y-adapter, red to red and white to white.
4. Connect the RCA cable for the right speaker to the audio cable red RCA-F.
5. Connect the RCA cable for the left speaker to the audio cable white RCA-F.
6. Apply a ferrite bead to one end of the 2M HDMI cable. Connect that end of the cable to the display HDMI 1 input. Connect the other end to the codec primary display output.
7. Place the speaker power adapter in the lower rail of the lower horizontal frame toward the right side.
8. Connect a 1M C13-C14 cable to the speaker power adapter. Route it up behind the frame and connect it to the PDU.

---

Note: Adjust the angle of the Studio E70 as needed to provide an optimum view of the room.
9 Connect the speaker power Y-adapter to the speaker power adapter.
   ➢ Route the short side of the Y-adapter to the closest speaker and connect it.
   ➢ Route the long side of the Y-adapter to the farthest speaker and connect it.
10 Place the codec power adapter in the lower rail of the lower horizontal frame at about the center. Route the cable up to the codec and connect it.
11 Connect a 1M C13-C14 cable to the codec power adapter. Route it up behind the frame and connect it to the PDU.
12 Connect a 1M C13-C14 cable to the display. Route it down and connect to the PDU.
13 Connect the mains cable to the wall outlet. Route it behind the frame and connect it to the PDU.
14 Connect the network cable to the network port. Route it behind the frame and connect it to the codec network port.
15 Connect the microphone cable to the codec. Route it down, out of the frame, and to the furniture on which the microphone will be placed. Connect the other end of the cable to the microphone.
16 Ensure that all cables and electrical connections are complete. Turn power on for all of the devices and verify functionality. Refer to the Poly Medialign System Design Specification for connection and wiring details.

**Warning:** You must plug the PDU power cable directly into a wall power outlet. You cannot use an extension cord.

**Complete the Medialign 86 System Setup**

**Note:** The figures in this section show the EagleEye Director II attached to the Medialign system. You may have an EagleEye IV camera or Studio E70 camera attached to the system.
To complete the Medialign 86 system setup:

1. If you installed the 6” riser, attach the 6” riser cover with magnets.
2. Attach the cover panel by hooking it onto the support brackets.
3 Attach the speaker cover with magnets.
4 If not already removed, remove the lower display handles on both sides and attach the two side covers with magnets.

5 Attach the magnetic Poly logo in the center of the speaker cover. Optionally, you can peel the liner from the logo and attach it in the top left corner of the front cover panel 5.08 cm (2 in.) from the left and top edges.
Setting Up the Poly Medialign Dual Display System

The Poly Medialign dual-display system comes with 65", 75", or 86" displays. This chapter provides instructions for setting up the Medialign system with each display size.

Setting Up the Poly Medialign 65D System
Setting Up the Poly Medialign 75D System
Setting Up the Poly Medialign 86D System

Setting Up the Poly Medialign 65D System

This section describes how to set up the Poly Medialign 65D system with dual 65" displays.

Before installation, unpack and take inventory of all parts to make sure you have everything. If you don’t, call Poly Support for missing item(s). The list of components doesn’t contain all of the parts for every configuration.

Medialign 65D Components

<table>
<thead>
<tr>
<th>Item</th>
<th>Part Number</th>
<th>Qty</th>
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</thead>
<tbody>
<tr>
<td>Horizontal Support Rail</td>
<td>1354-84599-001</td>
<td>2</td>
</tr>
<tr>
<td>V-Rail Frame</td>
<td>2350-85975-001</td>
<td>4</td>
</tr>
<tr>
<td>Top Frame Support Bracket</td>
<td>1342-85953-001</td>
<td>2</td>
</tr>
<tr>
<td>M6 × 12mm Screw</td>
<td>1601-68586-001</td>
<td>60</td>
</tr>
<tr>
<td>Horizontal Frame</td>
<td>2350-85976-001</td>
<td>4</td>
</tr>
<tr>
<td>M10 × 25mm Screw</td>
<td>1601-67617-002</td>
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</tr>
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<td>Speaker Mount Bracket</td>
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<td>2</td>
</tr>
<tr>
<td>6&quot; Riser (Optional)</td>
<td>1342-85959-001</td>
<td>4</td>
</tr>
<tr>
<td>12&quot; Riser (Optional)</td>
<td>1342-85961-001</td>
<td>4</td>
</tr>
<tr>
<td>Speaker</td>
<td>2565-84879-001</td>
<td>2</td>
</tr>
<tr>
<td>65&quot; Dual Joiner Bracket</td>
<td>1342-85962-001</td>
<td>2</td>
</tr>
<tr>
<td>Wall Mount Bracket</td>
<td>1342-85958-001</td>
<td>4</td>
</tr>
<tr>
<td>12-24 × 1.25 mm Self-Tapping Hex Screw</td>
<td>1601-52879-001</td>
<td>8</td>
</tr>
<tr>
<td>Power Distribution Unit (PDU)</td>
<td>1583-52876-008</td>
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### Setting Up the Poly Medialign Dual Display System

#### To set up the Medialign 65D frame:

1. Install power, network, and any other connectivity outlets in the areas shown in the following diagram.

<table>
<thead>
<tr>
<th>Item</th>
<th>Part Number</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>M4 × 8 mm Screw</td>
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<tr>
<td>Codec Mount Bracket</td>
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<td>RealPresence Group 500 Codec</td>
<td>2215-67205-001</td>
<td>1</td>
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<tr>
<td>G7500 Codec</td>
<td>2215-85890-001</td>
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</tr>
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<td>M3 × 8mm Knurled Thumb Screw</td>
<td>1601-85974-001</td>
<td>2</td>
</tr>
<tr>
<td>IP Table Microphone</td>
<td>2200-85250-001</td>
<td>1</td>
</tr>
<tr>
<td>65&quot; Display</td>
<td>Varies by region</td>
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<tr>
<td>Display Mount Bracket</td>
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<tr>
<td>M8 × 20mm Screw</td>
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<td>EagleEye Director II with 2 EagleEye IV-12 Cameras</td>
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<td>Top Camera Plate</td>
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<tr>
<td>EagleEye IV Camera</td>
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<tr>
<td>Studio E70 Camera</td>
<td>2200-87090-001</td>
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</tr>
<tr>
<td>6&quot; Riser Cover (Optional)</td>
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<td>2</td>
</tr>
<tr>
<td>12&quot; Riser Cover (Optional)</td>
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<td>Cover Panel Support Bracket</td>
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<tr>
<td>Cover Panel</td>
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<td>2352-48053-100 (Apple)</td>
<td>2352-48053-400 (Black)</td>
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<tr>
<td>2352-48053-500 (White)</td>
<td>2352-48053-600 (Slate Gray)</td>
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</tr>
<tr>
<td>Speaker cover</td>
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<tr>
<td>Side cover</td>
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</tr>
<tr>
<td>Logo</td>
<td>2668-86065-001</td>
<td>1</td>
</tr>
</tbody>
</table>
Setting Up the Poly Medialign Dual Display System

Medialign 65D System Connections Area

2 Attach the horizontal support rails at the proper height.

Warning:
Use appropriate mounting and anchoring hardware for the wall type. Failure to provide adequate structural strength can result in damage to the equipment, voiding the warranty, and causing possible serious personal injury. The installer is responsible for conforming to all applicable building codes and local requirements.

Also, ensure that the wall does not have vibrations that could cause the mounted camera to shake, more likely to be seen when the camera is zoomed in. You can feel the vibration in a wall by lightly placing your hand on the wall.
For standard height, attach the horizontal support rails 1081.10 mm (42.56 in.) from the floor using eight wall anchors per rail, appropriate for your wall type (not supplied). Use the upper and lower holes in the rail. You must anchor to a minimum of three studs per rail.
If you want to mount the Medialign 65D system higher than the standard height, you can add a 6” or 12” riser.

- With a 6” riser, attach the horizontal support rails 1219.48 mm (48.01 in.) from the floor using eight wall anchors per rail, appropriate for your wall type (not supplied).
With a 12” riser, attach the horizontal support rails 1371.88 mm (54.01 in.) from the floor using eight wall anchors per rail, appropriate for your wall type (not supplied).

3 Assemble the left frame.
   a Place two vertical rails (V-rails) on the floor with the feet toward the wall where you plan to anchor the frame. Space them approximately 1350 mm (53 in.) apart. Orient the rails face down (open side up).
b Screw the leveling feet out until the lower edges of the feet extend 34 mm (1 5/16") beyond the end of the v-rail.

c If using a riser kit, remove the leveling feet from the V-rails and install them in the risers. Screw them in to the risers until the lower edges of the feet extend 34 mm (1 5/16") beyond the end of the riser. Slide the risers on the V-rails and attach them using two M6 × 12mm screws per riser.

d Place two horizontal frames between the V-rails. Orient them so that the faces with screw holes are toward the floor and the vertical straps are up. One rail edge of each frame has small screw holes and the other has large screw holes. Orient the top frame with the large screw holes up (away from the wall). Orient the lower frame with the large screw holes down (toward the wall). Attach the frames to the V-rails using four M10 × 25mm screws per frame.
e  Partially install two M6 × 12 mm screws into the outside top of each V-rail. Leave about half of the threads exposed.

f  Install the top frame support bracket, sliding it over the four M6 × 12 mm screws previously installed. Secure it by tightening all screws.

4  Repeat step 3 for the right frame.
5 Raise the frame assemblies and continue the installation.
   a Raise the left frame assembly and lean it against the wall.
   b Attach two wall mount brackets to the lower rail of the upper horizontal frame of the left frame assembly using two M6 × 12 mm screws per bracket.
   c Locate the left frame assembly on the left horizontal support rail. The right-hand V-rail is approximately 19 mm (11/16 in.) away from the system center line. Move the frame close to the wall so that the vertical rails are approximately 5 cm (2 in.) away from the wall. Check for plumb and level, adjusting the leveling feet and the distance of the v-rails from the wall as required.
d Attach the left frame assembly to the horizontal support rail by driving two self-tapping screws through each wall mount bracket. Double check for plumb and level.

Caution: Wear safety glasses when installing the self-tapping hex screws.

e Raise the right frame assembly and lean it against the wall.
f Attach two wall mount brackets to the lower rail of the upper horizontal frame of the right frame assembly using two M6 × 12 mm screws per bracket.

![Diagram of wall mount brackets and screws]

(2) WALL MOUNT BRACKET
1342-85958-001

(4) M6 × 12 mm SCREW
1601-68586-001

g Locate the right frame assembly on the right horizontal support rail. The distance between the frames is 38 mm (1.5 in.). Move the frame close to the wall so that the vertical rails are approximately 5 cm (2 in.) away from the wall. Check for plumb and level, adjusting the leveling feet and the distance of the V-rails from the wall as required. Be sure to level between the two frame assemblies as well.
**h** Install two 65” dual joiner brackets using two M6 × 12 mm screws per joiner. Slide the right frame as required to align the screw holes.

**i** With the joiners attached, secure the right frame assembly to the horizontal support rail by driving two self-tapping screws through each wall mount bracket. Double check for level and plumb.
Attach one speaker to each of the speaker mount brackets using the M6 × 12 mm Phillips head screws supplied with the speakers. Orient the speakers so that the tweeters are toward the outside.
Partially thread in four M6 × 12 mm flanged button screws in the lower locations on the insides of the V-rails. Leave about half of the thread exposed.
Slide the lower slots of the speaker/bracket assemblies over the screws and swing the assembly in place. The speakers are toward the outsides of the frames.

Attach the RCA cables to the speakers. Route the connectors behind the speaker bracket and through the opening in the bracket. Connect the 3’ cable to the left speaker and the 10’ cable to the right.
n Secure the speaker / bracket assemblies to the V-rails by installing four more M6 × 12 mm screws in the top slots of the brackets. Tighten all eight screws.

o Install the PDU on the top rail of the left lower support frame using two M4 × 8 mm Phillips screws.
p  On the regulatory label, select the version of the Medialign system being installed.

![Regulatory Label Image]

q  Apply the regulatory label to the codec mounting bracket as indicated in the below image.

r  Attach the codec to the codec mounting bracket using two M3 × 8 mm thumb screws.

---

Poly Medialign (Model P019)

Installed Product Model Number:
- □ Medialign 65
- □ Medialign 75
- □ Medialign 86
- □ Medialign 65D
- □ Medialign 75D
- □ Medialign 86D

Polycom (Netherlands) BV, Skorpius 171, 2132 LR, Hoofddorp, The Netherlands

100/240V AC, 6A, 50/60 Hz
Install the codec/mounting bracket assembly on the upper rail of the lower horizontal frame. Slide the upper portion of the bracket behind the upper rail and then rotate it into place.
t  Attach the cover panel support brackets to the lower horizontal frames using two M6 × 12 mm screws per bracket. Use the upper slots on the brackets for the upper rails. Use the lower slots on the brackets for the lower rails.

u  If you have an EagleEye Director II, place the EagleEye Director II power adapter inside the channel of the lower rail of the upper horizontal frame of the left assembly. Locate it to the left of the left wall mount bracket. Apply a ferrite bead to the end of the coaxial cable that connects to the camera base. Run the coaxial cable along the horizontal support rail over to the left V-rail.

v  Connect a 1M C13-C14 cable to the power adapter. Route it down behind the speaker bracket and rails and connect it to the PDU.

w  Route the mini-HDCI end of the EagleEye Director II camera cable through the codec mounting bracket, behind the speaker bracket and support frames up to the horizontal support rail. Run it along the horizontal support rail to the left V-rail.

x  Route the 3.5mm end of the EagleEye Director II camera audio cable through the codec mounting bracket, behind the speaker bracket and support frames up to the horizontal support rail. Run it along the horizontal support rail to the left V-rail.
Mount the 65” Displays

**Caution:** Two people are required to lift the displays.

To mount the 65” displays:

1. Attach the display mount brackets to the two 65” displays using four M6 × 12 mm screws per display.

![Diagram of display mount process]
2 Hang the displays on the upper rails of the horizontal frames. Locate them so they are centered on the frames, touching each other at the center line, and so that holes and threaded inserts align. Secure them using two M8 × 20 mm screws per display. In order to align the displays where they come together, you may have to make minor leveling adjustments to the frames.

Mount the Camera

The Medialign system currently supports one of the following cameras. Refer to the Poly Medialign System Design Specification for camera wiring details.

- Polycom EagleEye Director II
- Polycom EagleEye IV
- Poly Studio E70
Mount the EagleEye Director II

To mount the EagleEye Director II:

1. Following the supplied instructions, assemble the microphone column to the EagleEye Director II base. Do not install the cameras yet.

2. Attach the EagleEye Director II base to a top camera plate using the four screws supplied in the EagleEye Director II accessory kit.

3. Pull the HDCI, camera audio, and camera power cables up and behind the top frame support bracket. Connect them to the EagleEye Director II base.
4 Keeping the cables routed toward the center of the frame, attach the EagleEye Director II bracket assembly to the top frame support bracket using four M6 × 12 mm screws.

5 Refer to the Polycom EagleEye Director II Setup Sheet to complete the EagleEye Director II assembly.
6 Attach a top camera plate to the right frame assembly using four M6 × 12mm screws.
Mount the EagleEye IV Camera

To mount the EagleEye IV camera:

1. Attach the EagleEye IV camera to the top camera plate using four M3 x 10 mm screws supplied in the frame kit.

2. Pull the camera HDCI cable up and behind the top frame support bracket. Connect it to the camera.

**Note:** It may be easier to connect the cable to the camera before mounting the camera to the top camera plate.
3 Keeping the cable routed toward the center of the frame, attach the camera and bracket assembly to the top frame support bracket using four M6 × 12 mm screws.

(4) M6 × 12 mm SCREW  
1601-68586-001
4  Attach a top camera plate to the right frame assembly using four M6 × 12 mm screws.
Mount the Studio E70 Camera

To mount the Studio E70 camera:

1. Attach the Studio E70 camera to the top camera plate using the 1/4-20 thumb screw supplied with the camera.

2. Pull the camera USB-A to USB-C and the RJ45 LAN cables up and behind the top frame support bracket. Connect the USB-C end of the cable to the camera.

**Note:** It may be easier to connect the cables to the camera before mounting the camera to the top camera plate.
3. Keeping the cables routed toward the center of the frame, attach the camera and bracket assembly to the top frame support bracket using four M6 × 12 mm screws.
4 Attach a top camera plate to the right frame assembly using four M6 × 12 mm screws.

**Note:** Adjust the angle of the Studio E70 as needed to provide an optimum view of the room.
Cable the Medialign 65D System

To cable the Medialign 65D system:

1. Connect the camera cable to the codec. Refer to the setup document for your camera for details.
2. Connect the 3.5 mm to 2x RCA-F Y-adapter cable to the codec audio out.
3. For EagleEye Director II only, connect the camera audio cable RCA-M connectors to the Y-adapter, red to red and white to white.
4. Connect the RCA cable for the right speaker to the audio cable red RCA-F.
5. Connect the RCA cable for the left speaker to the audio cable white RCA-F.
6. Apply a ferrite bead to one end of the 2M HDMI cable. Connect that end of the cable to the left display HDMI 1 input and the codec primary HDMI output.
7. Apply a ferrite bead to one end of the 4M HDMI cable. Connect that end of the cable to the right display HDMI 1 input. Route it along the frames, through the cable clips, and connect it to the codec secondary display output.
8. Place the speaker power adapter in the lower rail of the lower horizontal frame toward the right side of the left frame assembly.
9. Connect a 1M C13-C14 cable to the speaker power adapter. Route it up behind the frame and connect it to the PDU.
10. Connect the speaker power Y-adapter to the speaker power adapter.
   - Route the short side of the Y-adapter to the left speaker and connect it.
   - Route the long side of the Y-adapter across the frames and through the cable clips. Connect it to the right speaker.
11. Place the codec power adapter in the lower rail of the lower horizontal frame below the codec. Route the cable up to the codec and connect it.
12. Connect a 1M C13-C14 cable to the codec power adapter. Route it up behind the frame and connect it to the PDU.
13. Connect the C14-C5 adapters to the displays.
14. Connect a 1M C13-C14 cable to the left display C14-C5 adapter. Route it down and connect to the PDU.
15. Connect the 3M C13-C14 cable to the right display C14-C5 adapter. Route it across the frames and connect to the PDU.
16. Connect the mains cable to the wall outlet. Route it behind the frame and connect it to the PDU.
17. Connect the network cable to the network port. Route it behind the frame and connect it to the codec network port.
18. Connect the microphone cable to the codec. Route it down, out of the frame, and to the furniture on which the microphone will be placed. Connect the other end of the cable to the microphone.
19 Ensure that all cables and electrical connections are complete. Turn power on for all of the devices and verify functionality. Refer to the *Poly Medialign System Design Specification* for connection and wiring details.

**Warning:** You must plug the PDU power cable directly into a wall power outlet. You cannot use an extension cord.

**Complete the Medialign 65D System Setup**

**Note:** The figures in this section show the EagleEye Director II attached to the Medialign system. You may have an EagleEye IV camera or Studio E70 camera attached to the system.

**To complete the Medialign system setup:**

1. Attach the optional riser covers.
➢ If you installed the 6" risers, attach the 6" riser cover with magnets.
If you installed the 12" risers, attach the 12" riser cover with magnets.
2  Attach the cover panels by hooking them onto the support brackets.
3 Attach the two speaker covers with magnets.
4. Attach the two side covers with magnets.

5. Attach the magnetic Poly logo in the center of the left speaker cover. Optionally, you can peel the liner from the logo and attach it in the top left corner of the left front cover panel 5.08 cm (2 in.) from the left and top edges.
## Setting Up the Poly Medialign 75D System

This section describes how to set up the Poly Medialign 75D system with dual 75” displays.

### Note
The Dell 75” touch display includes a stylus that doesn’t work with Poly Medialign systems with the RealPresence Group 500. Instead, use the opposite end of the stylus or your fingers on the Dell 75” touch display.

Before installation, unpack and take inventory of all parts to make sure you have everything. If you don’t, call support for missing item(s). The list of components does not contain all of the parts of every configuration.

### Medialign 75D Components

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<thead>
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<tr>
<td>IP Table Microphone</td>
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</table>
Set Up the Medialign 75D Frame

To set up the Medialign 75D frame:

1. Install power, network, and any other connectivity outlets in the areas shown in the following diagram.
Medialign 75D System Connections Area

2. Attach the horizontal support rail and mount it at the proper height.

**Warning:**
Use appropriate mounting and anchoring hardware for the wall type. Failure to provide adequate structural strength can result in damage to the equipment, voiding the warranty, and causing possible serious personal injury. The installer is responsible for conforming to all applicable building codes and local requirements.

Also, ensure that the wall does not have vibrations that could cause the mounted camera to shake, more likely to be seen when the camera is zoomed in. You can feel the vibration in a wall by lightly placing your hand on the wall.
For standard height, attach the horizontal support rails 1081.10 mm (42.56 in.) from the floor using eight wall anchors per rail appropriate for your wall type (not supplied). Use the upper and lower holes in the rail. You must anchor to a minimum of three studs per rail.
If you want to mount the Medialign 75D system higher than the standard height, you can add a 6” or 12” riser.

- With a 6” riser, attach the horizontal support rails 1219.48 mm (48.01 in.) from the floor using eight wall anchors.

- With a 12” riser, attach the horizontal support rail 1371.88 mm (54.01 in.) from the floor using eight wall anchors.

**CAUTION:**

- Due to the weight of the 75” display (64 kg [141.10 lbs]) without packaging and the lift height required on a frame with 12” risers, installation of the 75” display must be done by professional installers.

- People sitting in front of the system should be at least 2.44 m (8 ft.) away due to the camera angle when the camera is mounted on top of the display.
3 Assemble the left frame.
   a Place two vertical rails (V-rails) on the floor with the feet toward the wall where you plan to anchor the frame. Space them approximately 1350 mm (53 in.) apart. Orient the rails face down (open side up).
   b Screw the leveling feet out until the lower edges of the feet extend 34 mm (1 5/16") beyond the end of the v-rail.
c If using a riser kit, remove the leveling feet from the V-rails and install them in the risers. Screw them in to the risers until the lower edges of the feet extend 34 mm (1 5/16") beyond the end of the riser. Slide the risers on the V-rails and attach them using two M6 × 12mm screws per riser.
**Setting Up the Poly Medialign Dual Display System**

**d** Place two horizontal frames between the V-rails. Orient them so that the faces with screw holes are toward the floor. One rail edge of each frame has small screw holes and the other has large screw holes. Orient the top frame with the large screw holes up (away from the wall). Orient the lower frame with the large screw holes down (toward the wall). Attach the frames to the V-rails using four M10 × 25mm screws per frame.

4 Repeat step 3 for the right frame.

5 Raise the frame assemblies and continue the installation.

a Raise the left frame assembly and lean it against the wall.
b Attach two wall mount brackets to the lower rail of the upper horizontal frame using two M6 × 12mm screws per bracket.

![Diagram of wall mount brackets and screws](image)

(2) WALL MOUNT BRACKET
1342-85958-001

(4) M6 × 12 mm SCREW
1601-68586-001

c Locate the left frame assembly on the left horizontal support rail. The right-hand V-rail is approximately 158 mm (6.25 in.) away from the system center line. Move the frame close to the wall so that the vertical rails are approximately 5 cm (2 in.) away from the wall. Check for plumb and level, adjusting the leveling feet and the distance of the v-rails from the wall as required.
d  Attach the left frame assembly to the horizontal support rail by driving two self-tapping screws through each wall mount bracket. Double check for plumb and level.

Caution: Wear safety glasses when installing the self-tapping hex screws.

e  Raise the right frame assembly and lean it against the wall.
f  Attach two wall mount brackets to the lower rail of the upper horizontal frame of the right frame assembly using two M6 × 12 mm screws per bracket.

(2) WALL MOUNT BRACKET
1342-85958-001

(4) M6 × 12 mm SCREW
1601-68586-001

h  Locate the right frame assembly on the right horizontal support rail. The distance between the frames is 315 mm (12 3/8 in.). Move the frame close to the wall so that the vertical rails are approximately 5 cm (2 in.) away from the wall. Check for plumb and level, adjusting the leveling feet and the distance of the V-rails from the wall as required. Be sure to level between the two frame assemblies.
h  Attach two cable clips to one of the 75" dual joiners using one M5 × 10 mm screws per clip.

(2) M5 x 10mm SCREW
1601-67756-001

75" JOINER BRACKET
1342-85966-001

(2) CABLE CLIP
1661-12703-004

(2) M6 x 12mm SCREW
1601-68586-001

i  Install two 75" dual joiner brackets using two M6 × 12 mm screws per joiner. Locate the joiner with clips in the lower position. Slide the right frame as required to align the screw holes.
With the joiners attached, secure the right frame assembly to the horizontal support rail by driving two self-tapping screws through each wall mount bracket. Double check for level and plumb.
Setting Up the Poly Medialign Dual Display System

Caution: Wear safety glasses when installing the self-tapping hex screws.
**k** Attach one speaker to each of the speaker mount brackets using the M6 × 12 mm Phillips head screws supplied with the speakers. Orient the speakers so that the tweeters are toward the outside.

**l** Partially thread in four M6 × 12 mm flanged button screws in the lower locations on the insides of the V-rails. Leave about half of the thread exposed.
m  Slide the lower slots of the speaker/bracket assemblies over the screws and swing the assemblies in place. The speakers should be toward the outsides of the frames.

n  Attach the RCA cables to the speakers. Route the connectors behind the speaker brackets and through the openings in the brackets. Connect the 3’ cable to the left speaker and the 10’ cable to the right. Route the 10’ cable across the right frame through the cable clips to the left frame.
Secure the speaker / bracket assemblies to the V-rails by installing four more M6 × 12 mm screws in the top slots of the brackets. Tighten all eight screws.

Partially install two M6 × 12mm screws into the outside top of each V-rail of the left frame assembly. Leave about half of the threads exposed.
q Install the PDU on the top rail of the lower horizontal frame on the left frame assembly using two M4 × 8 mm Phillips screws.

r On the regulatory label, select the version of the Medialign system being installed.

s Apply the regulatory label to the codec mounting bracket as indicated in the below image.
t Attach the codec to the codec mounting bracket using two M3 × 8 mm thumb screws.
Install the codec / mounting bracket assembly on the upper rail of the lower horizontal frame of the left assembly. Slide the upper portion of the bracket behind the upper rail and then rotate it into place.
v Attach four cover panel support brackets to the lower horizontal frames using two M6 × 12 mm screws per bracket. Use the upper slots on the brackets for the upper rails. Use the lower slots on the brackets for the lower rails.

w Place the EagleEye Director II power adapter inside the channel of the lower rail of the upper horizontal frame of the left frame assembly. Locate it to the left of the left wall mount bracket. Apply a ferrite bead to the end of the coaxial cable that connects to the camera base. Run the coaxial cable along the horizontal support rail over to the left V-rail.

x Connect a 1M C13-C14 cable to the power adapter. Route it down behind the speaker bracket and rails and connect it to the PDU.

y Route the mini-HDCI end of the EagleEye Director II camera cable through the codec mounting bracket, behind the speaker bracket and support frames up to the horizontal support rail. Run it along the horizontal support rail to the left V-rail.

z Route the 3.5 mm end of the EagleEye Director II camera audio cable through the codec mounting bracket, behind the speaker bracket and support frames up to the horizontal support rail. Run it along the horizontal support rail to the left V-rail.
Mount the 75” Displays

**Note:** The Dell 75” touch display includes a stylus that does not work with Poly Medialign systems with the RealPresence Group 500. You can use the opposite end of the stylus or your fingers on the Dell 75” touch display.

1. Attach two display brackets to each 75” display using two M8 × 20 mm screws per bracket. Align the fifth hole from the top of the brackets with the upper fixing points on the display.

**Caution:** Three people may be required to lift the display, especially if using the 12” risers.
2 Remove the lower handles from the displays. Store them carefully for future use.

**Note:** You may prefer to connect the C13-C14 power cables to the displays before mounting. If so, connect a 1M C13-C14 cable to the left display and a 3M C13-C14 cable to the right display.

3 Hang the displays on the upper rails of the horizontal frames. Locate them so they are centered on the frames with the bezels touching at the center line, and so that holes and threaded inserts align. Secure them using two M8 × 20mm screws per display.
Install the top frame support bracket on the left frame assembly, sliding it over the four M6 × 12mm screws previously installed. Secure it by tightening all screws.

Mount the Camera

The Medialign system currently supports one of the following cameras. Refer to the *Poly Medialign System Design Specification* for camera wiring details.

- Polycom EagleEye Director II
- Polycom EagleEye IV
- Poly Studio E70

Mount the EagleEye Director II Camera

To mount the EagleEye Director II camera:

1. Following the supplied instructions, assemble the microphone column to the EagleEye Director II base. Do not install the cameras yet.
2 Attach the EagleEye Director II base to the 75” display camera bracket using the four screws supplied in the EagleEye Director II accessory kit.

3 Pull the HDCI, camera audio, and camera power cables up and behind the top frame support bracket. Connect them to the EagleEye Director II base.
4 Keeping the cables routed toward the center of the frame, place the camera/bracket assembly on the left display. Secure it to the top frame support bracket using two M6 × 12 mm screws.

5 Refer to the Polycom EagleEye Director II Setup Sheet to complete the EagleEye Director II assembly.
Mount the EagleEye IV Camera

To mount the EagleEye IV camera:

1. Attach the EagleEye IV camera to the top camera plate using four M3 x 10 mm screws supplied in the frame kit.

2. Pull the camera HDCI cable up and behind the top frame support bracket. Connect it to the camera.

Note: It may be easier to connect the cable to the camera before mounting the camera to the top camera plate.
3. Keeping the cable routed toward the center of the frame, attach the camera and bracket assembly to
the top frame support bracket using four M6 × 12 mm screws.

(4) M6 × 12 mm SCREW
1601-68586-001
4 Attach a top camera plate to the right frame assembly using four M6 × 12 mm screws.
Mount the Studio E70 Camera

To mount the Studio E70 camera:

1. Attach the Studio E70 camera to the camera mount bracket using the 1/4-20 thumb screw supplied with the camera.

2. Pull the camera USB-A to USB-C and the RJ45 LAN cables up and behind the top frame support bracket. Connect the USB-C end of the cable to the camera.

Note: It may be easier to connect the cables to the camera before mounting the camera to the top camera plate.
3 Keeping the cable routed toward the center of the frame, attach the camera and bracket assembly to the top frame support bracket using four M6 × 12 mm screws.
4 Attach a top camera plate to the right frame assembly using four M6 × 12 mm screws.

**Note:** Adjust the angle of the Studio E70 as needed to provide an optimum view of the room.
Cable the Medialign 75D System

To cable the Medialign 75D system:

1. Connect the camera cable to the codec. Refer to the setup document for your camera for details.
2. Connect the 3.5 mm to 2x RCA-F Y-adapter cable to the codec audio out.
3. For EagleEye Director II, connect the camera audio cable RCA-M connectors to the Y-adapter, red to red and white to white.
4. Connect the RCA cable for the left speaker to the audio cable white RCA-F.
5. Route the RCA cable for the right speaker across the frames and through the cable clips. Connect it to the audio cable red RCA-F.
6. Apply a ferrite bead to one end of the 2M HDMI cable. Connect that end of the cable to the left display HDMI 1 input and the codec primary HDMI output.
7. Connect the B end of a USB cable to the left display HDMI 1 input USB port. Connect the A end to the codec.
8. Apply a ferrite bead to one end of the 4M HDMI cable. Connect that end of the cable to the right display HDMI 1 input. Route it along the frames, through the cable clips, and connect it to the codec secondary display output.
9. Connect the B end of a USB cable to the right display HDMI 1 input USB port. Route it across the frames, through the cable clips, and connect the A end to the codec.
10. Place the speaker power adapter in the lower rail of the lower horizontal frame toward the right side of the left frame assembly.
11. Connect a 1M C13-C14 cable to the speaker power adapter. Route it up behind the frame and connect it to the PDU.
12. Connect the speaker power Y-adapter to the speaker power adapter.
   - Route the short side of the Y-adapter to the left speaker and connect it.
   - Route the long side of the Y-adapter across the frames and through the cable clips. Connect it to the right speaker.
13. Place the codec power adapter in the lower rail of the lower horizontal frame below the codec. Route the cable up to the codec and connect it.
14. Connect a 1M C13-C14 cable to the codec power adapter. Route it up behind the frame and connect it to the PDU.
15. Connect a 1M C13-C14 cable to the left display. Route it down and connect to the PDU.
16. Connect the 3M C13-C14 cable to the right display. Route it across the frames, through the cable clips, and connect to the PDU.
17. Connect the mains cable to the wall outlet. Route it behind the frame and connect it to the PDU.
18. Connect the network cable to the network port. Route it behind the frame and connect it to the codec network port.
19. Connect the microphone cable to the codec. Route it down, out of the frame, and to the furniture on which the microphone will be placed. Connect the other end of the cable to the microphone.
Ensure that all cables and electrical connections are complete. Turn power on for all of the devices and verify functionality. Refer to the Poly Medialign System Design Specification for connection and wiring details.

**Warning:** You must plug the PDU power cable directly into a wall power outlet. You cannot use an extension cord.

**Complete the Medialign 75D System Setup**

**Note:** The figures in this section show the EagleEye Director II attached to the Medialign system. You may have an EagleEye IV camera or Studio E70 camera attached to the system.
To complete the Medialign 75D system setup:

1. Attach the optional riser covers.
   - If you installed the 6” risers, attach the two 6” riser covers with magnets.
If you installed the 12" risers, attach the two 12" riser covers with magnets.
2. Attach the two cover panels by hooking them onto the support brackets.
3. Attach the two speaker covers with magnets.

4. If not already removed, remove the lower display handles on both sides of the displays and attach the two side covers with magnets.

5. Attach the two short side covers with magnets.
Attach the magnetic Poly logo in the center of the left speaker cover. Optionally, you can peel the liner from the logo and attach it in the top left corner of the left front cover panel 5.08 cm (2 in.) from the left and top edges.
Setting Up the Poly Medialign 86D System

This section describes how to set up the Poly Medialign 86D system with dual 86” displays.

Before installation, unpack and take inventory of all parts to make sure you have everything. If you do not, call support for missing item(s). The list of components does not contain all of the parts of every configuration.

Medialign 86D Components

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<tr>
<td>M5 × 10 mm Flange Head Screw</td>
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<td>Studio E70 Camera</td>
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<td>6&quot; Riser Cover (Optional)</td>
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<tr>
<td>Cover Panel Support Bracket</td>
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<td>Cover Panel</td>
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<td>2352-48053-400 (Black)</td>
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<td>2352-48053-500 (White)</td>
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<td>2352-48053-600 (Slate Gray)</td>
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**Set Up the Poly Medialign 86D Frame**

**To set up the Medialign 86D frame:**

1. Install power, network, and any other connectivity outlets in the areas shown in the following diagram.
2 Attach the horizontal support rail and mount it at the proper height.

**Warning:**

Use appropriate mounting and anchoring hardware for the wall type. Failure to provide adequate structural strength can result in damage to the equipment, voiding the warranty, and causing possible serious personal injury. The installer is responsible for conforming to all applicable building codes and local requirements.

Also, ensure that the wall does not have vibrations that could cause the mounted camera to shake, more likely to be seen when the camera is zoomed in. You can feel the vibration in a wall by lightly placing your hand on the wall.
For standard height, attach the horizontal support rails 1081.10 mm (42.56 in.) from the floor using eight wall anchors per rail appropriate for your wall type (not supplied). Use the upper and lower holes in the rail. You must anchor to a minimum of three studs per rail.
If you want to mount the Medialign 86D system higher than the standard height, you can add a 6” riser.

♦ With a 6” riser, attach the horizontal support rails 1219.48 mm (48.01 in.) from the floor using eight wall anchors appropriate for your wall type (not supplied).
3 Assemble the left frame.

   a Place two vertical rails (V-rails) on the floor with the feet toward the wall where you plan to anchor the frame. Space them approximately 1350 mm (53 in.) apart. Orient the rails face down (open side up).

   b Screw the leveling feet out until the lower edges of the feet extend 34 mm (1 5/16") beyond the end of the V-rail.
c If using a riser kit, remove the leveling feet from the V-rails and install them in the risers. Screw them in to the risers until the lower edges of the feet extend 34 mm (1 5/16") beyond the end of the riser. Slide the risers on the V-rails and attach them using two M6 × 12mm screws per riser.
Place two horizontal frames between the V-rails. Orient them so the faces with screw holes are toward the floor and the vertical straps are up. One rail edge of each frame has small screw holes and the other has large screw holes. Orient the top frame with the large screw holes up (away from the wall). Orient the lower frame with the large screw holes down (toward the wall). Attach the frames to the V-rails using four M10 × 25mm screws per frame.

4 Repeat step 3 for the right frame.
5 Raise the frame assemblies and continue the installation.
   a Raise the left frame assembly and lean it against the wall.
b Attach two wall mount brackets to the lower rail of the upper horizontal frame using two M6 × 12 mm screws per bracket.

c Locate the left frame assembly on the left horizontal support rail. The right V-rail is approximately 256 mm (10.1 in.) away from the system center line. Move the frame close to the wall so that the vertical rails are approximately 5 cm (2 in.) away from the wall. Check for plumb and level, adjusting the leveling feet and the distance of the V-rails from the wall as required.
d  Attach the frame assembly to the horizontal support rail by driving two self-tapping screws through each wall mount bracket. Double check for plumb and level.

Caution: Wear safety glasses when installing the self-tapping hex screws.

e  Raise the right frame assembly and lean it against the wall.
f Attach two wall mount brackets to the lower rail of the upper horizontal frame using two M6 × 12 mm screws per bracket.

![Diagram of wall mount bracket installation](image)

(2) WALL MOUNT BRACKET
1342-85958-001
(4) M6 × 12 mm SCREW
1601-68586-001

g Locate the right frame assembly on the right horizontal support rail. The distance between the frames IS approximately 512 mm (20 1/8 in.). Move the frame close to the wall so that the vertical rails are approximately 5 cm (2 in.) away from the wall. Check for plumb and level, adjusting the leveling feet and the distance of the V-rails from the wall as required. Be sure to level between the two frame assemblies.
h  Attach two cable clips to one of the 86" dual joiner brackets using one M5 × 10 mm screw per clip.
Install the 86" dual joiner brackets using two M6 × 12 mm screws per joiner bracket. Locate the joiner with clips in the lower position. Slide the right frame as required to align the screw holes.
j With the joiners attached, secure the right frame assembly to the horizontal support rail by driving two self-tapping screws through each wall mount bracket. Double check for level and plumb.

![Diagram of setting up the system with screws and brackets]

Caution: Wear safety glasses when installing the self-tapping hex screws.

k Attach one speaker to each of the speaker mount brackets using the M6 × 12 mm Phillips head screws supplied with the speakers. Orient the speakers so the tweeters are toward the outside.

![Diagram of attaching speakers to the mount brackets]
Partially thread in four M6 × 12 mm flanged button screws in the lower locations on the insides of the V-rails. Leave about half of the thread exposed.
m Slide the lower slots of the speaker/bracket assemblies over the screws and swing the assemblies in place. The speakers should be toward the outsides of the frames.

n Attach the RCA cables to the speakers. Route the connectors behind the speaker brackets and through the openings in the brackets. Connect the 3’ cable to the left speaker and the 10’ cable to the right.
Secure the speaker / bracket assemblies to the V-rails by installing four more M6 × 12 mm screws in the top slots of the brackets. Tighten all eight screws.
Install the PDU on the top rail of the lower horizontal frame of the left frame assembly using two M4 × 8 mm Phillips screws.
q  On the regulatory label, select the version of the Medialign system being installed.

![Regulatory Label Image]

r  Apply the regulatory label to the codec mounting bracket as indicated in the below image.

s  Attach the codec to the codec mounting bracket using two M3 × 8 mm thumb screws.

![Codec Attachment Diagram]
Install the codec / mounting bracket assembly on the upper rail of the lower horizontal frame of the left assembly. Slide the upper portion of the bracket behind the upper rail and then rotate it into place.
u Attach the four cover panel support brackets to the lower horizontal frames using two M6 × 12 screws per bracket. Use the upper slots on the brackets for the upper rails. Use the lower slots on the brackets for the lower rails.

v Place the EagleEye Director II power adapter inside the channel of the lower rail of the upper horizontal frame of the left assembly. Locate it to the left of the left wall mount bracket. Apply a ferrite bead to the end of the coaxial cable that connects to the camera base. Run the coaxial cable along the horizontal support rail over to the left V-rail.

w Connect a 1M C13-C14 cable to the power adapter. Route it down behind the speaker bracket and rails and connect it to the PDU.

x Route the mini-HDCI end of the EagleEye Director II camera cable through the codec mounting bracket, behind the speaker bracket and support frames up to the horizontal support rail. Run it along the horizontal support rail to the left V-rail.

y Route the 3.5mm end of the EagleEye Director II camera audio cable through the codec mounting bracket, behind the speaker bracket and support frames up to the horizontal support rail. Run it along the horizontal support rail to the left V-rail.
Mount the 86” Displays

1. Attach the display brackets to the displays using six M8 × 20mm screws per display. Align the second hole from the top of the bracket with the top fixing point on the display.

2. Remove the lower handles from the displays. Store them carefully for future use.

3. Hang displays on the upper rails of the horizontal frames. Locate them so they are centered on the frames, the bezels touching at the center line, and so that holes and threaded inserts align. Double check plumb and level.

   Caution: Three people are required to lift the display.
4 Secure the displays to the frame assemblies using two M8 × 20 mm screws per display.
5 Install the display joiner clips to ensure the displays are aligned. Slide a clip over the upper pair of shoulder screws on the back of the displays. Secure the clip using two M5 × 10 mm flange head screws. Slide a clip over the lower pair of shoulder screws, securing the clip with two M5 × 10 mm flange head screws.

Mount the Camera

The Medialign system currently supports one of the following cameras. Refer to the Poly Medialign System Design Specification for camera wiring details.

- Polycom EagleEye Director II
- Polycom EagleEye IV
- Poly Studio E70

Mount the EagleEye Director II

To mount the EagleEye Director II:

1 Following the supplied instructions, assemble the microphone column to the EagleEye Director II base. Do not install the cameras yet.
2. Attach the EagleEye Director II base to the 86" display camera mount using the four screws supplied in the EagleEye Director II accessory kit.

3. Pull the HDCI, camera audio, and camera power cables up and behind the top frame support bracket. Connect them to the EagleEye Director II base.
4. Keeping the cables routed toward the center of the frame, place the EagleEye Director II base assembly on top of the left display. Secure it to the display using three M5 × 10mm screws.

5. Refer to the Polycom EagleEye Director II Setup Sheet to complete the EagleEye Director II assembly.
Mount the EagleEye IV Camera

To mount the EagleEye IV camera:

1. Attach the EagleEye IV camera to the top camera plate using four M3 x 10 mm screws supplied in the frame kit.

2. Pull the camera HDCI cable up and behind the top frame support bracket. Connect it to the camera.

   Note: It may be easier to connect the cable to the camera before mounting the camera to the top camera plate.
3. Keeping the cable routed toward the center of the frame, attach the camera and bracket assembly on top of the display. Secure it to the display using three M5 × 10 mm screws.

NOTE THAT THE EAGLEEYE DIRECTOR II BASE IS SHOWN INSTEAD OF THE EAGLEEYE IV CAMERA.
Mount the Studio E70 Camera

To mount the Studio E70 camera:

1. Attach the Studio E70 camera to the camera display mount bracket using the 1/4-20 thumb screw supplied with the camera.

2. Pull the camera USB-A to USB-C and the RJ45 LAN cables up and behind the top frame support bracket. Connect it to the camera.

Note: It may be easier to connect the cables to the camera before mounting the camera to the top camera plate.
3 Keeping the cable routed toward the center of the frame, attach the camera and bracket assembly to the top frame support bracket using four M6 × 12 mm screws.

![Diagram](image)

Note: Adjust the angle of the Studio E70 as needed to provide an optimum view of the room.

Cable the Medialign 86D System

To cable the Medialign 86D system:

1. Connect the camera cable to the codec. Refer to the setup document for your camera for details.
2. Connect the 3.5mm to 2x RCA-F Y-adapter cable to the codec audio out.
3. For EagleEye Director II only, connect the camera audio cable RCA-M connectors to the Y-adapter, red to red and white to white.
4. Connect the RCA cable for the left speaker to the audio cable white RCA-F.
5. Route the RCA cable for the right speaker across the frames and through the cable clips. Connect it to the audio cable red RCA-F.
6. Apply a ferrite bead to one end of the 2M HDMI cable. Connect that end of the cable to the left display HDMI 1 input and the codec primary HDMI output.
7  Apply a ferrite bead to one end of the 4M HDMI cable. Connect that end of the cable to the right display HDMI 1 input. Route it along the frames, through the cable clips, and connect it to the codec secondary display output.

8  Place the speaker power adapter in the lower rail of the lower horizontal frame toward the right side of the left frame assembly.

9  Connect a 1M C13-C14 cable to the speaker power adapter. Route it up behind the frame and connect it to the PDU.

10 Connect the speaker power Y-adapter to the speaker power adapter.
    - Route the short side of the Y-adapter to the left speaker and connect it.
    - Route the long side of the Y-adapter across the frames and through the cable clips. Connect it to the right speaker.

11 Place the codec power adapter in the lower rail of the lower horizontal frame below the codec. Route the cable up to the codec and connect it.

12 Connect a 1M C13-C14 cable to the codec power adapter. Route it up behind the frame and connect it to the PDU.

13 Connect a 1M C13-C14 cable to the left display. Route it down and connect to the PDU.

14 Connect the 3M C13-C14 cable to the right display. Route it across the frames, through the cable clips and connect to the PDU.

15 Connect the mains cable to the wall outlet. Route it behind the frame and connect it to the PDU.

16 Connect the network cable to the network port. Route it behind the frame and connect it to the codec network port.

17 Connect the microphone cable to the codec. Route it down, out of the frame, and to the furniture on which the microphone will be placed. Connect the other end of the cable to the microphone.

18 Ensure that all cables and electrical connections are complete. Turn power on for all of the devices and verify functionality. Refer to the Poly Medialign System Design Specification for connection and wiring details.

**Warning:** You must plug the PDU power cable directly into a wall power outlet. You cannot use an extension cord.

**Complete the Medialign 86D System Setup**

**Note:** The figures in this section show the EagleEye Director II attached to the Medialign system. You may have an EagleEye IV camera or Studio E70 camera attached to the system.
To complete the Medialign 86D system setup:

1. If you installed the 6" risers, attach the two 6" riser covers with magnets.
2 Attach the two cover panels by hooking them onto the support brackets.
3 Attach the two speaker covers with magnets.

4 If not already removed, remove the lower display handles on both sides of the displays and attach the two side covers with magnets.

5 Attach the two short side covers with magnets.
6 Attach the magnetic Poly logo in the center of the left speaker cover. Optionally, you can peel the liner from the logo and attach it in the top left corner of the left front cover panel 5.08 cm (2 in.) from the left and top edges.
Appendix: Regulatory Information

**Important Safeguards**

Read and understand the following instructions before using the system:

- Always disconnect the system from power before cleaning by removing the AC Mains plug from the wall. If this is not accessible, the system can be disconnected by turning off the POWER DISCONNECT switch installed in the room.
- Do not spray liquids directly onto the system when cleaning. Always apply the liquid first to a static free cloth.
- Do not place any liquids on the system.
- Do not disassemble this system. To reduce the risk of shock and to maintain the warranty on the system, a qualified technician must perform service or repair work.
- Avoid using this system during an electrical storm. There may be a remote risk of electric shock from lightning.

SAVE THESE INSTRUCTIONS

**Ambient Temperature Guidelines**

Operating temperature: 32 to 104°F (0 to 40°C)

**System Rating**

Note the location of the rating label on the codec bracket. Identify the installed version on the rating label.

100-240V AC 6A 50/60 Hz

**CAUTION:** See the instructions below for quick disconnect of the rack controller. Please disconnect all before servicing.

The system is considered to be “pluggable equipment.”

**EMERGENCY DISCONNECT**

- In the event of an emergency, power to the system may be disconnected by removing the AC Mains plug from the wall.
- If this is not accessible, the system can be disconnected by turning off the POWER DISCONNECT switch installed in the room.
● The building installation must provide a means for connection to protective earth.
● The equipment must be connected to that means.
● The equipment shall be installed wherever possible ensuring the AC power plug is accessible. If this is not possible, a 2 pole isolating mains switch shall be provided close to the system.
● The 2 pole isolating mains switch shall meet the technical requirements of the region and have ON and OFF positions clearly identified by marking I/O or ON/OFF.
● A service person must verify that all socket outlets from which the equipment is to be powered provides a connection to the building protective earth.

To verify, use a suitable long test/wander lead with an ohm meter/multimeter. Connect one end to a known protective earthing point of the building electrical installation and ensure that there is a reading of less than one ohm to each earthing contact of all socket outlets to be connected, as shown next.

**Socket outlets earthing contact points**

If lack of protective earth is discovered at any of the socket outlets, this must first be rectified by installing a suitable protective earthing conductor in accordance with local wiring code and regulations. This installation must be carried out by a registered, competent electrician.