

Iron Bow eCLINiC Assembly and Installation Guide

eCLINiC System: PSX30-5X22-A01

Mobile Cart Assembly: CART-GCX-PSX30-A01

Horus Scope Assembly: ACC-CRADLE-S3-PSX30-A01

Stethoscope System: ACC-OMNISTETH-PSX30-A01

Aruba Wireless Bridge: ACC-ARUBA-PSX30-A01

Aruba Mounting Kit: ACC-ARUMNTKIT-PSX30-A01

Document Part # DOC-UG-PSX30-5X22-A01

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Safety & Maintenance

For your protection, please read these safety instructions completely before operating the equipment and keep this manual for future reference. The information in this summary is intended for persons who operate the equipment as well as repair or servicing personnel. Carefully observe all warnings, precautions and instructions on the apparatus, or the ones described in the operating instructions and adhere to them. Also, adhere to safety guidelines found in manuals for any peripheral equipment.

Care and Handling

- Water and moisture - Do not operate the equipment under or near water, or in areas with high humidity.
- Cleaning - Unplug the apparatus from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners, follow cleaning instructions provided
- Ventilation - Do not block any of the ventilation openings of the apparatus. Install in accordance with the installation instructions.
- Grounding or Polarization – use the power cord provided with this system, do not defeat the safety purpose of the grounding-type plug. A grounding type plug has two blades and a third grounding prong. The third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician.

	United States	Canada
Plug Type	Grounding type 3 Pole Plug	Grounding type 3 Pole Plug
Cord Type	SVT3 x 18 AWG	SVT3 x 18 AWG
Minimum Cord Set Rating	10A/125V	10A/125V
Safety Approval	UL/CSA	CSA

- Plug Acts as Disconnect Device - The socket outlet to which this apparatus is connected must be installed near the equipment and must always be readily accessible.
- Lightning - Unplug this apparatus during lightning storms or when unused for long periods of time.
- Network cables - CAUTION - To reduce the risk of fire, use only No. 26 AWG or larger telecommunication line cord.
- Power-Cord Protection - Route the power cord so as to avoid it being walked on or pinched by items placed upon or against it, paying particular attention to the plugs, receptacles, and the point where the cord exits from the apparatus.
- Attachments - Only use attachments as recommended by the manufacturer. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- Storage - If you need to store the system, ensure that it is stored in a controlled environment to avoid damage, please refer to “care of Lithium Ion batteries, below:
 - *Non-operating temperature: -20°C –60°C*
 - *Non-operating humidity (non-condensing): 10%–90%*
- Care of Lithium Ion Batteries – All Lithium Ion batteries will require maintenance if unused and left in storage for a prolonged period of time to prevent damage. Coupled with federal and international laws, the batteries will be charged to less than 30% prior to shipment. This shortens the initial duration batteries can be left in storage since they are not fully charged from the start. Initial battery maintenance is required for batteries that will be in storage, or not used for up to two months. This is to prevent any damage to the battery itself, and to prevent voiding the warranty on the battery. Before storing the batteries, make sure to charge the batteries between 90% and 100%. If storing the batteries for greater than 4 months, the batteries will need to be charged every four months to 90%-100%. A complete battery maintenance guide can be found at:
<https://www.cybernetman.com/kb/article/how-to-maintain-the-batteries-in-cybernet-products-in-long-term-storage>
- Repacking – Do not throw away the carton and packing materials. They may be required in the event that you need to move the system to an alternate location or return the system for maintenance. Please ensure any batteries returned or shipped follow appropriate Federal laws for shipping, labelling and packaging
- “WARNING – Do not modify this equipment without authorization of the manufacturer.”

- Servicing - Do not attempt to service the apparatus yourself as opening or removing covers may expose you to dangerous voltages or other hazards, and will void the warranty. Refer all servicing to qualified service personnel. If the equipment is damaged, unplug the apparatus from the outlet and refer servicing to qualified personnel:
 - When the power cord or plug is damaged or frayed
 - If liquid has been spilled or objects have fallen into the apparatus
 - If the apparatus has been exposed to rain or moisture
 - If the apparatus has been subjected to excessive shock by being dropped, or the cabinet has been damaged
 - If the apparatus fails to operate in accordance with the operating instructions.

Cleaning Instructions

CAUTION

- Due to the close proximity of electrical power and equipment, flammable cleaners should never be used to clean these products!
- The surface materials of the unit are primarily powder-coated aluminum and are durable and easy to maintain, however they can stain and discolor, so test any cleaners in an inconspicuous place before using.
- Do not allow any liquids to enter the unit, drip down the monitor or accumulate on any surface.
- Please refer to the respective Materials Safety Data Sheets (MSDS) for detailed descriptions for each product from its manufacturer.
- Never use steel wool, Scotch-Brite™ or other abrasive materials to clean the product.
- Use extreme caution when cleaning the camera, as it is delicate and easily broken.
- Use extreme caution when cleaning a display monitor, as they are easily damaged if too much pressure is applied.

General Procedure

1. Verify the system is unplugged from the AC Power outlet before cleaning.
2. Verify system is powered down completely and NOT operating from internal battery power.
3. Use a soft, clean microfiber cloth or manufacturer supplied disposable cloth for all applications, particularly when cleaning lenses and monitors. Do not spray liquids directly on the surface.
4. Utilize appropriate cleaners for the surface being cleaned.
5. Allow equipment to fully dry prior to plugging into a power source.
6. To facilitate an effective infection control program and ensure proper performance, routinely clean, disinfect, and maintain products in accordance with approved procedures. Specifically, the hospital's Infection Control Administrator should be consulted for cleaning procedures and processes.

Suggested chemical cleaners/disinfectants/solutions for the Iron Bow Healthcare Systems:

- Chassis cleaning
 - Non Abrasive Soap/Detergent: Generally, water and mild non-abrasive soap/detergent or isopropyl alcohol can be used routinely on CLINiC or MedView products to maintain proper cleanliness.
 - Where infection control is required
 - A 10% or less bleach solution can be used to disinfect. Remove residue using a clean damp (water) cloth.
 - Branded chemical disinfectant products (test specific product on a sample surface before general use)
 - Metrex CaviWipes
 - Clorox Germicidal Wipes
- Display monitor LCD panel and system body (not the lens)
 - Do not use any of the following chemicals or any solutions that contain: chlorine (bleach), acetone, peroxides, ammonia, ethyl alcohol, benzene, toluene, ethyl acid, or methyl chloride.
 - Branded, ammonia-free LCD cleaning products
 - Zeiss Pre-Moistened Lens Cleaning Wipes
 - CloroxPro Clean Screen Wipes
 - Up to 50:50 isopropyl alcohol to distilled water mixture for general cleaning, using soft microfiber cloth
 - Use 70:30 isopropyl alcohol and distilled water mixture for infection control, using soft microfiber cloth

- Camera Lens
 - Use only branded, ammonia-free cleaning wipes specifically designed for lens cleaning
 - Zeiss Pre-Moistened Lens Cleaning Wipes

Notes and Caution

- Use extreme caution when cleaning the camera and monitor/display. Do not apply undue pressure to the LCD screen. Damage caused by improper cleaning will void the Iron Bow warranty.
- Do NOT use mineral spirits, acetone, paint thinners, or abrasive cleansers, or any other flammable, harsh or toxic chemicals.
- This document provides general guidelines only. Direction for proper cleaning and infection control is the responsibility of local authority and hospital administration.
- Iron Bow is not responsible for improper cleaning or disinfection in any and all circumstances.

Electrical Safety Information

Compliance is required with respect to the voltage, frequency, and current requirements indicated on the manufacturer's label. Connection to a power source different than those specified herein will likely result in improper operation or damage to the equipment or pose a fire hazard.

There are no user-serviceable parts inside this equipment. There are hazardous voltages generated by this equipment that constitute a safety hazard. Service should be provided by a qualified service technician only. Contact a qualified electrician or the manufacturer if there are questions about the installation prior to connecting the equipment to mains power.

Operating Guidelines

Mounting Guidelines

The system is designed for attachment to a desktop stand, cart or similar supporting structure using the rear 100mm x 100mm VESA mount on the rear of the system chassis. Care should be taken to ensure that any supporting device is designed for 100mm x 100mm VESA mounting and is capable of supporting the weight of the system and any attached peripherals/cables.

Connecting Peripheral Equipment

The system incorporates suitable electrical isolation for use with the optional Horus Scope and Electronic Stethoscope available for this system. It is recommended that any other external device that is connected to the system that may have direct skin contact incorporates an AC isolation transformer. It is recommended that any external device that may have skin contact are individually certified for such use to avoid risk of injury.

Any AC powered peripheral device must be connected to a separate AC outlet suitable for use with the device as defined by the manufacturer's specification information. In addition, AC power strips or extension cables should not be used with this system.

Ambient Temperature Guidelines

- Operating temperature: 0°C –40°C (ambient temperature)
- Operating humidity: 20%–80% (RH)
- Non-operating temperature: -20°C –60°C
- Non-operating humidity (non-condensing): 10%–90%

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Introduction

The Iron Bow eCLINiC is purpose-built for telehealth consultations, providing crisp, clear audio and video with a touch screen input and optional diagnostic tools. Ideal for school-based health, behavioral health, patient bedside check-in, remote diagnostics, and anywhere a PC, laptop or tablet is used today. This small footprint, value-featured telehealth endpoint permits the extension of high-quality telehealth to all areas of the care continuum.

Multiple cloud video services are supported, including Zoom and Microsoft Teams, without the need for a PC or Mac. Built-in wireless content sharing lets medical personnel share content from their personal devices without the need for cables. The unit is compact and is available with an optional small-footprint cart.



Figure 1. eCLINiC with optional Cart & Horus

Flexible Collaboration Options

IT administration can configure the eCLINiC to use Poly Video Mode (SIP/H.323), or popular applications like Zoom, Microsoft Teams and others that are native on the Mini-CLINiC.

Pan, Tilt and 5x Digital Zoom

The robust high-resolution 4K camera has a 5X digital zoom with automatic framing and motion detection that ensures high resolution imaging with support for far-end camera control¹.

Superior Audio

An integrated beamforming microphone array provides incredible noise blocking and echo cancellation capability, allowing for use in noisy environments.

Touchscreen Medical Monitor

Our medical grade monitor includes hot swappable batteries and anti-microbial plastic. Rechargeable lithium ion batteries will power the total system for up to 10 hours, depending upon connected optional accessories. The front panel is IP65 rated for disinfectant wipe-down. Additionally, the speaker assembly above the monitor is covered with an engineered aluminum plate or fabric that allows for a 70% alcohol disinfectant wipe-down.

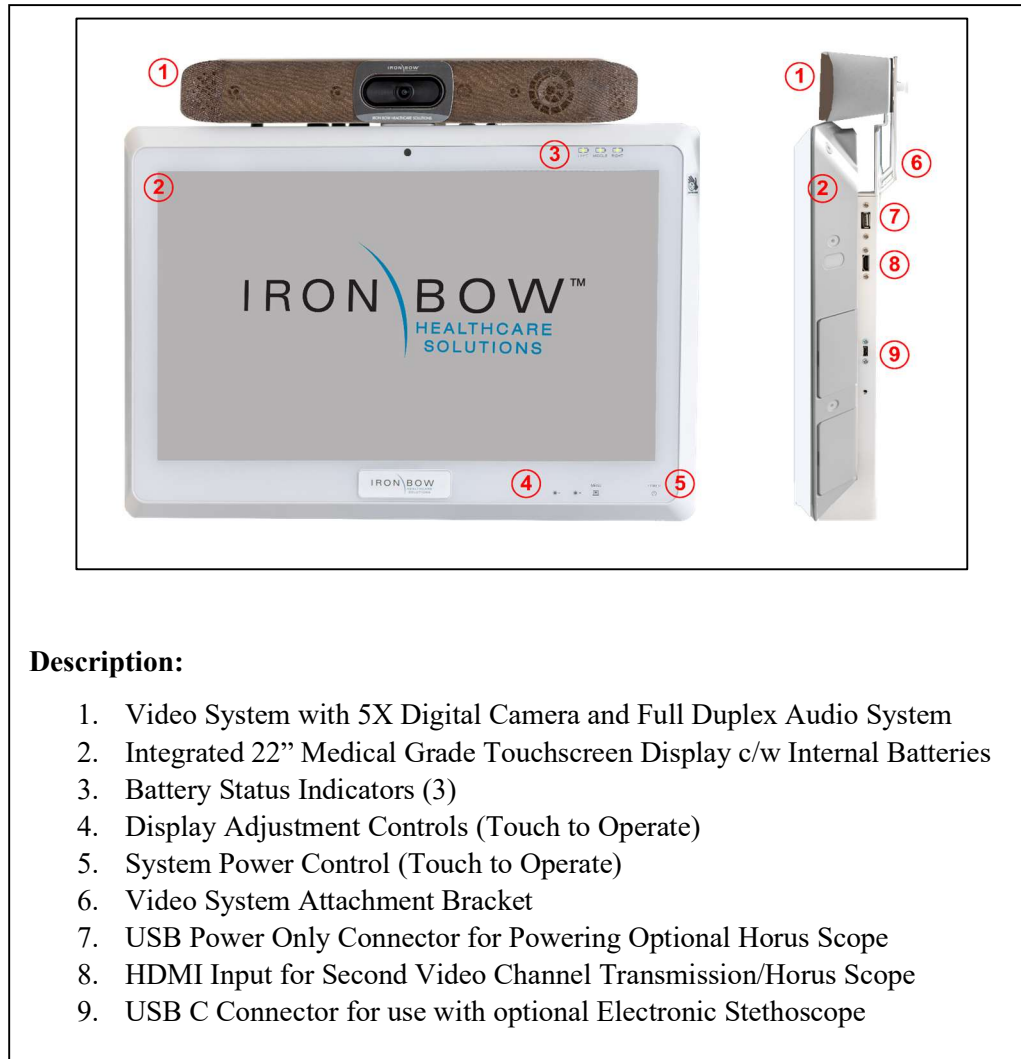
Flexible Mounting and Accessory Options

The flexible design allows you to place it on a cart, wall mount or desktop stand. Integrated Wi-Fi and hot-swappable batteries allows up to 8 hours of cart roaming without a recharge. An electronic stethoscope interface unit (SIU) is supplied with the base system, with an optional electronic stethoscope package, an external wireless bridge package and a Horus Scope package with a wide variety of examination lenses being available allowing for a wide variety of clinical applications.

You can find additional resources and information about Iron Bow Healthcare products, support and other related telehealth services at www.ironbowhealthcare.com.

System Description

Front and side of System with Signal Connections:

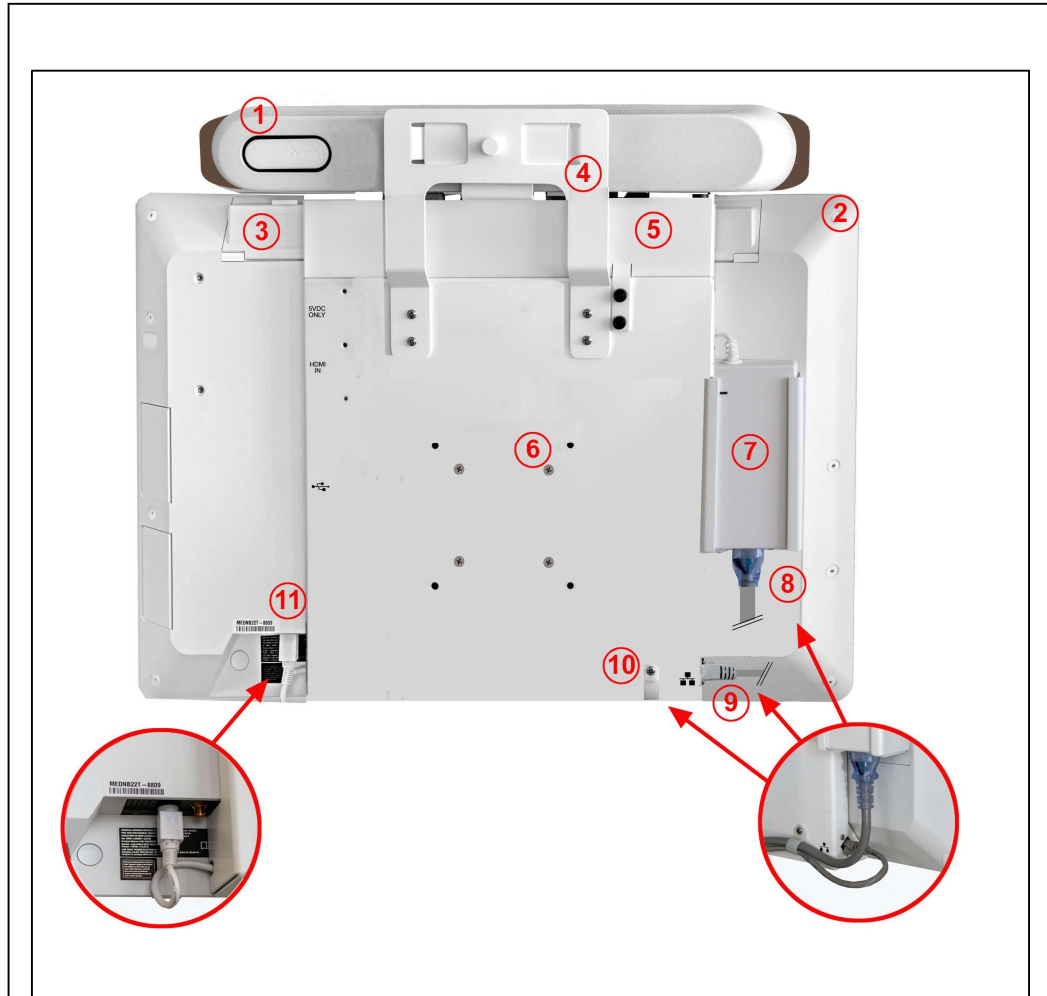


Description:

1. Video System with 5X Digital Camera and Full Duplex Audio System
2. Integrated 22" Medical Grade Touchscreen Display c/w Internal Batteries
3. Battery Status Indicators (3)
4. Display Adjustment Controls (Touch to Operate)
5. System Power Control (Touch to Operate)
6. Video System Attachment Bracket
7. USB Power Only Connector for Powering Optional Horus Scope
8. HDMI Input for Second Video Channel Transmission/Horus Scope
9. USB C Connector for use with optional Electronic Stethoscope

Figure 2. Front and Side System Components/Connections

Rear of System with Network and Power Connections:



Description:

1. Video System with 5X Digital Camera and Full Duplex Audio System
2. Integrated 22" Medical Grade Touchscreen Display c/w Internal Batteries
3. Replaceable Lithium Ion Rechargeable Battery (1 of 3)
4. Video System Attachment Bracket
5. Removable Cable Cover (2 x Black Plastic-Head Thumb Screws)
6. 100 x 100mm VESA Mount (4 x Pan Head Phillips Screws M4-25mm Long)
7. System AC Power Supply (100-240 Vac, 2.0-1.0A, 50/60Hz)
8. System AC Power Cable (IEC)
9. System RJ45 Network Connector
10. Detachable "P" Clip for attachment of AC and Network Cables to system
11. System DC Input Connector (Factory Connected)

Figure 3. Rear System Components and Connections

System Assembly

Prior to assembling the main system, it is necessary to install the rechargeable Lithium Ion batteries that are packed separately. All three batteries are all identical and can easily be replaced by the user in the event of a failure. As shown below in Figure 4, there are three important parts of the battery that should be identified prior to installation:

1. The “Tab” at the top of the battery for insertion and removal of the battery
2. The location of the power connector which should be parallel with the front of the screen when inserting the battery
3. The caution label on the rear of the battery must be read and instructions adhered to by the system administrator



Figure 4. Lithium Ion Battery Pack

Installing the Batteries

1. Fully open the battery bay covers by folding them back. Insert the first battery by holding the tab at the top and insert into the battery compartment ensuring the power connector is facing towards the front of the screen
2. Repeat for all three batteries and close covers. Note, battery will not operate if cover is open.

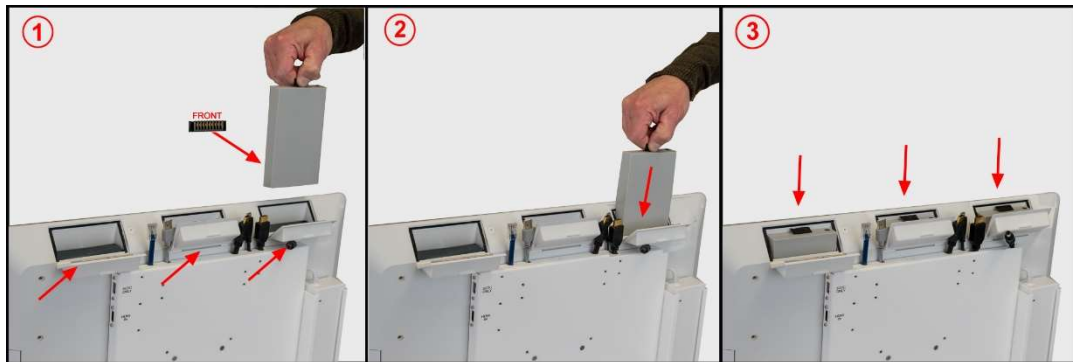


Figure 5. Installing the System Batteries

Attaching Video System to Display

1. Attach the support bracket to the rear of the system using the four 6-32 x 3/8" supplied screws
2. Slide video system onto the support bracket while pulling out the locking pin
3. Push the system into place and release locking pin
4. Connect cables from the top of the unit to the video system as outlined on diagram shown in Figure. 7

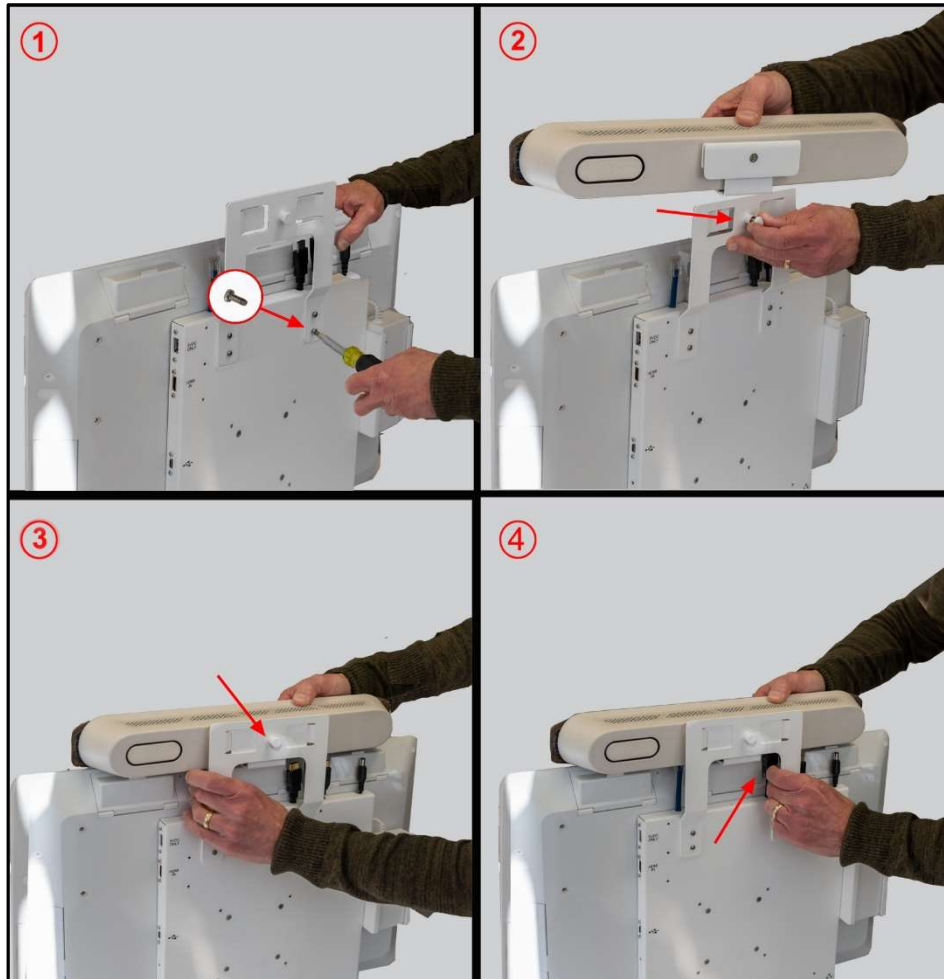


Figure 6. Attaching Video System to Display

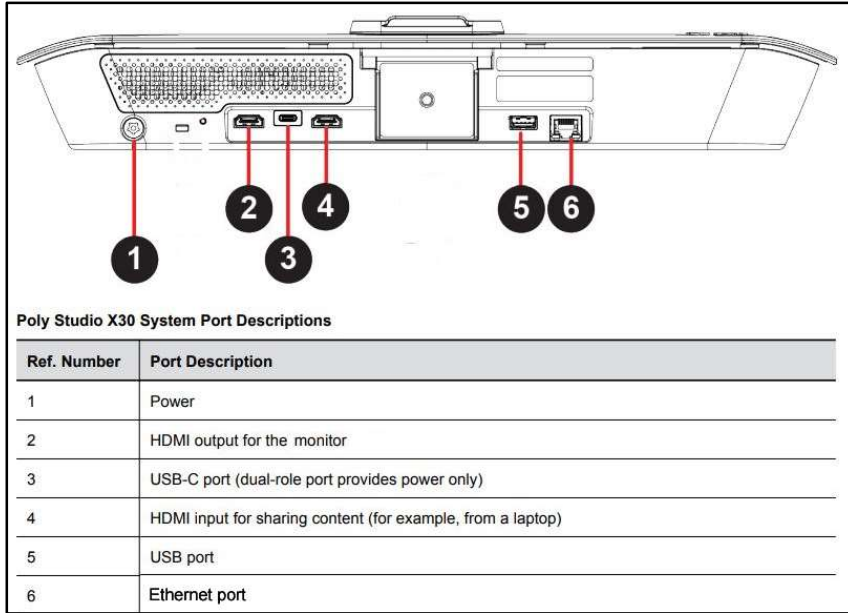


Figure 7. Video System Connections

Installing the Cable Cover

1. Slide the cable cover behind the video support bracket
2. The cover should be fully inserted until the attachment arm lines up with the holes in the rear of the chassis
3. Attach the cable cover to the system rear chassis using the two provided thumbscrews



Figure 9. Installing the Rear Cable Cover



Figure 8. Complete Assembled System

System Operation

The Iron Bow eCLINiC incorporates a Poly Studio X30 which is an all-in-one, Android-based video conferencing system that supports several operating modes. The flexible design on the X30 not only allows it to operate in standards based “Poly Mode” using native H.323 or SIP , but also offers “Poly Partner Mode” allowing the system to run third-party conferencing applications on supported Poly video systems. For example, after powering on your system for the first time, you can select Zoom Rooms to place Zoom calls as opposed to the native Poly Mode SIP or H.323 calls.

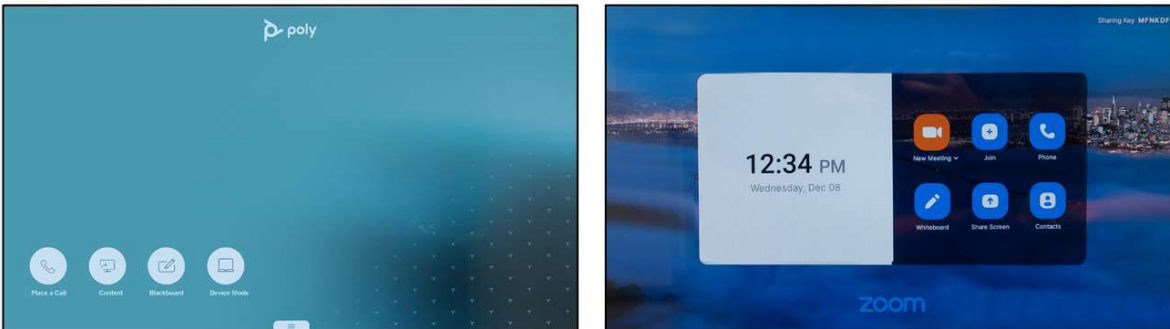


Figure 10. Examples of Different Control Screen Functions and Layouts

In view of the flexibility of the system there are multiple different control layouts and potential system set up requirements to meet the user’s specific needs. It is strongly recommended that before using the system, administrators and users refer to the relevant, and latest, documentation on the required modes of operation and associated control functions.

For “Poly Mode” these can be found at:

<https://support.polycom.com/content/dam/polycom-support/products/telepresence-and-video/poly-studio-x/downloads/previous-versions/archived-documents/en/poly-video-mode-user-3-5-0.pdf>

For the applications that run under “Poly Partner mode, refer to the supported partner documentation for information on using third-party applications: <https://documents.polycom.com/bundle/polypartnermode-ug-current/page/c3989383.html>

Specific and current partner modes can be directly accessed at:

Zoom Rooms: <https://support.zoom.us/hc/en-us>

Microsoft Teams Rooms: <https://support.office.com/en-us/team>

GoToRoom by LogMeIn: <https://support.goto.com/products>

StarLeaf: <https://support.starleaf.com/>

RingCentral Rooms (RCV Rooms): <https://support.ringcentral.com/>

Dialpad: <https://help.dialpad.com/>

BlueJeans Rooms by Verizon: <https://support.bluejeans.com/s/>

Display Controls and Indicators

On Screen Battery Status Indicators

The eCLINiC is designed to operate from either the internal re-chargeable Lithium Ion batteries, or from a standard 110-volt AC power outlet. On initial delivery the batteries will be charged to approximately 20% which is regulatory shipping requirement, Please ensure that on system installation, the batteries are left to fully charge by connecting the system to a suitable AC outlet overnight prior to using the system on battery power.

The status of each individual battery is displayed on the top right-hand corner on the monitor. The LED indicators change color to show the state of each of the three batteries as described in Figure 10 below.

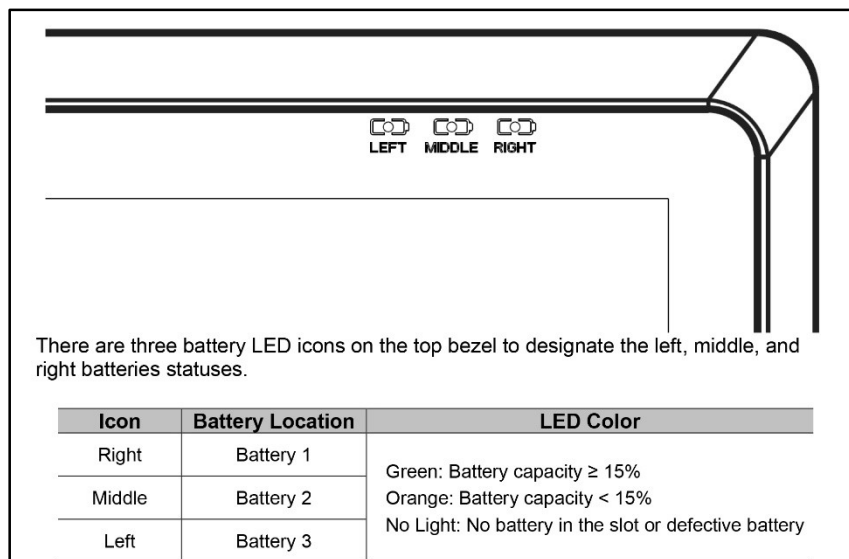


Figure 11. Display Battery Indicators

Display Control Functions

The display contains internal batteries which are used to power both the display itself and the video system. When the system is connected to an AC outlet this powers the entire system as well as charge the batteries. In view of this, there are many permutations and combinations of how the system can be turned on and off, depending on the user's needs. For example, if you are always operating from battery power but need instant access to make calls, you may want to turn off the display to conserve battery power while still keeping the video system powered allowing instantaneous calls to be made/received.

Alternatively, if you are always operating on AC power, there is no requirement to power off the system, but when moving from one location to another you would need to wait up to 4 or 5 minutes for the video system to initiate. Outlined below are the various power switching combinations plus an overview of all of the display front panel controls.

On Screen Display Controls

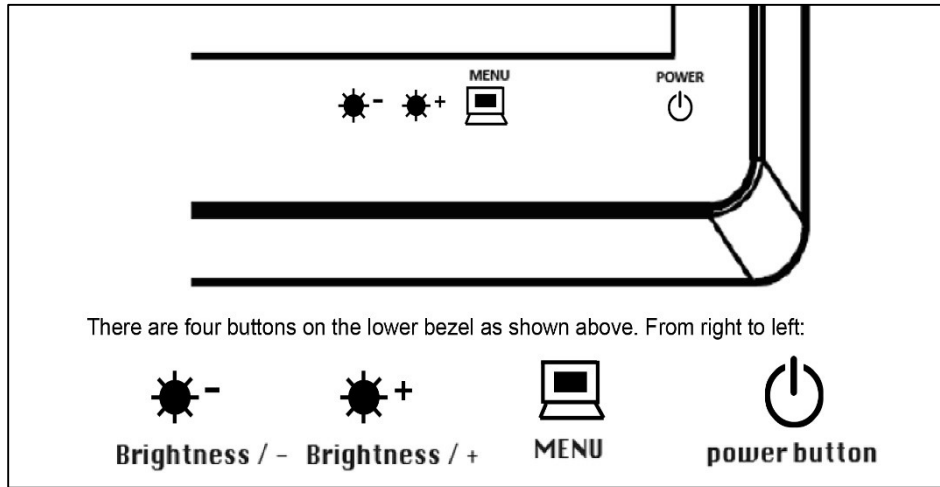


Figure 12 On-Screen Display Controls

Control	System State	Response Time	Function
	Total System Active (Display and Video System)	Immediately	Power button used to turn OFF the display only leaving the video system still powered.
		Press and hold for 7 seconds	Pressing and holding the Power button for 7 seconds forces system shut down of both the display and the video system
	Video System in Standby Mode, Display Off	Immediately	Press the Power button turns the display on and then touch the screen to auto activate Video system
	Video System in Standby Mode, Display On	Immediately	Touch the screen to auto activate Video system from standby mode
	Display off and Video System off	Approximately 90 Seconds	Press the Power button which activates the video system. Wait until the moving LED indicator on the video system stops moving, then press the power button a second time to activate display.
	Total System Active (Display and Video System)	Immediately	Initial press will activate the Contrast adjust menu.
			Once the Contrast or Brightness menu has been selected, this button will Increase the value
	Total System Active (Display and Video System)	Immediately	Initial press will activate the Brightness adjust menu.
			Once the Contrast or Brightness menu has been selected, this button will Decrease the value
	Total System Active (Display and Video System)	Immediately	Press once to enter the On-Screen Display (OSD) menu. Once in the menu, press to confirm a menu selection. The OSD menu will time out after no activity.

Figure 13. On-Screen Control Functions

System Wall/ Cart Mounting Information

The following figure is not to scale and provided for dimensional information only.

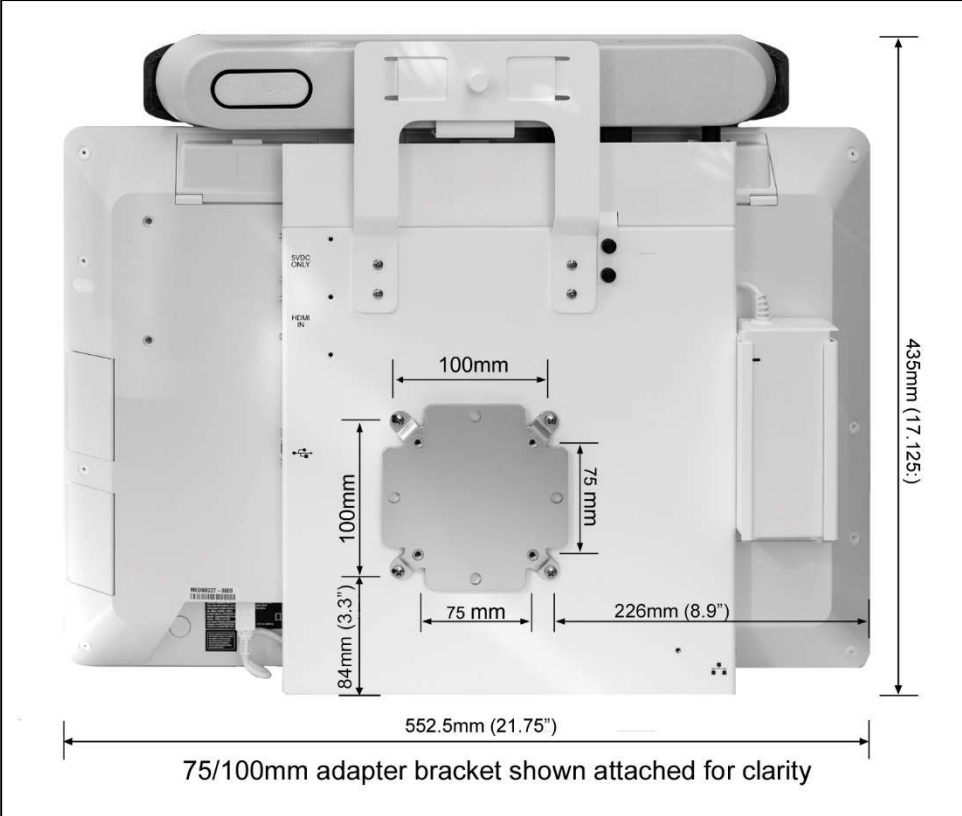


Figure 14. VESA Mounting Details

Optional Cart Assembly

System Cart Assembly

An optional self-assembly cart is available for the eCLINiC, and is supplied with all the necessary mounting hardware. Outlined below are all the components supplied with the cart option, with assembly instructions.

Cart Option Components

The cart kit includes the following mechanical components which are delineated in Figure. 15 below

Cart Mechanical Components

Item #	Description	Qty
1	Off-Set Roll Stand and System Tilt Bracket	1
2	Off-Set Roll Stand Base	1
3	75/100mm VESA Adaptor Bracket	1
4	Handle Assembly	1
5	Utility Bin	1
6	Utility Bin Mounting Bracket	1
7	Utility Bin Dividers	2
8	Cord Wrap	1
9	Cable Management Clips	5

Cart Assembly Hardware

Item #	Description	Qty
1 + 2	5/16-18 x 1" Hex Head Cap Screw (HHCS)	1
1 + 2	5/16 Flat Washer 1	1
1 + 2	5/16 Split Lock Washer	1
3	M4 x 8mm PHMS (VESA Mount)	4
4	#10-32 x 9/16" PHMS (Installed in bracket)	2
8	#10-32 x 9/16" PHMS (Installed in bracket)	2
9	#10-32 x 9/16" PHMS (Installed in bracket)	2

Assembly Tools Required

Item #	Description	Qty
1 + 2	1/2" [13mm] wrench (not provided)	1
1	5/32" [4 mm] hex wrench (provided)	1
3+4+8+9	Phillips screwdriver (not provided)	1

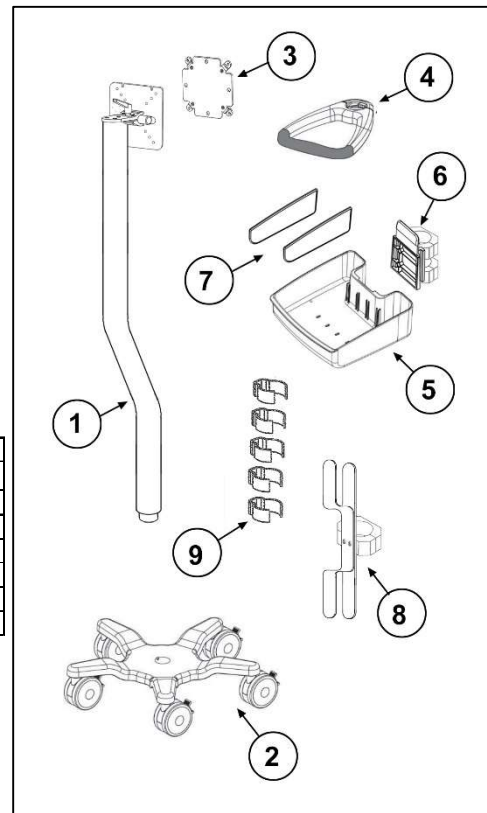


Figure 15. Optional Cart Assembly Components

Assembling the Roll Stand Post to Base

1. Insert the Roll Stand Post in Base and lay assembly on its side (not shown) for access to bottom of the Base
2. Using a ½” wrench, fasten Post to Base with one 5/16-18 x 1” HHCS, 5/16 split lock washer and 5/16” flat washer, as shown below

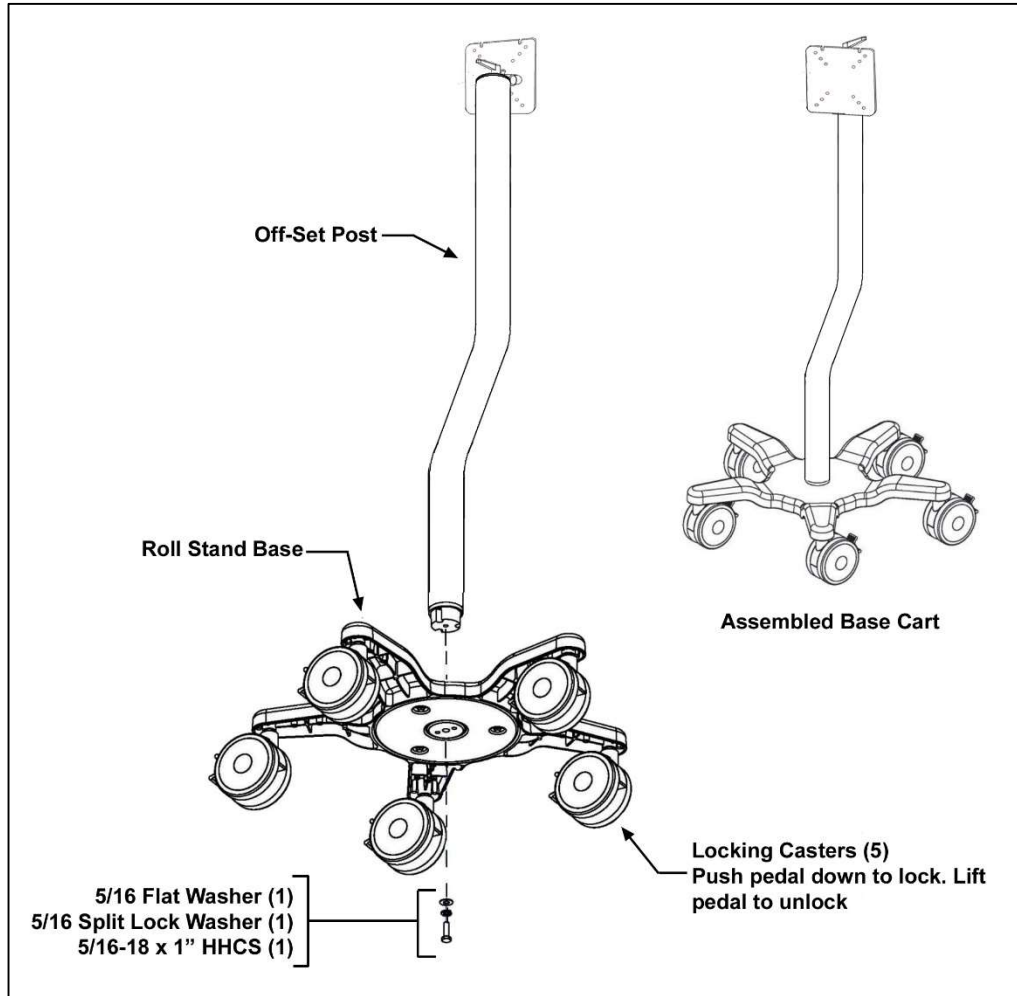


Figure 16. Assembling the Roll Stand Post to the Base

Attaching Accessories to the Roll Stand

1. The Rear Handle, Accessory Tray and Cable Wrap are all attached to the Off-Set pole using a Split Pole Clamp Assembly, that fits around the pole, and is tightened with the two supplied Philips screws
2. The Accessory Tray “Quick Release” bracket is attached using the two supplied split pole clamps, and then the tray snaps into the bracket from above. Two interior tray dividers are then slid into the interior tray slots in the user preferred positions.
3. The supplied cable clamps are slid around the Off-Set pole to support the power and network cables keeping them neatly in position so as not to cause a tripping hazard
4. The “Tilt” bracket at the top of the pole, can be tightened or loosened to suit using a 5/32” hex wrench if required.

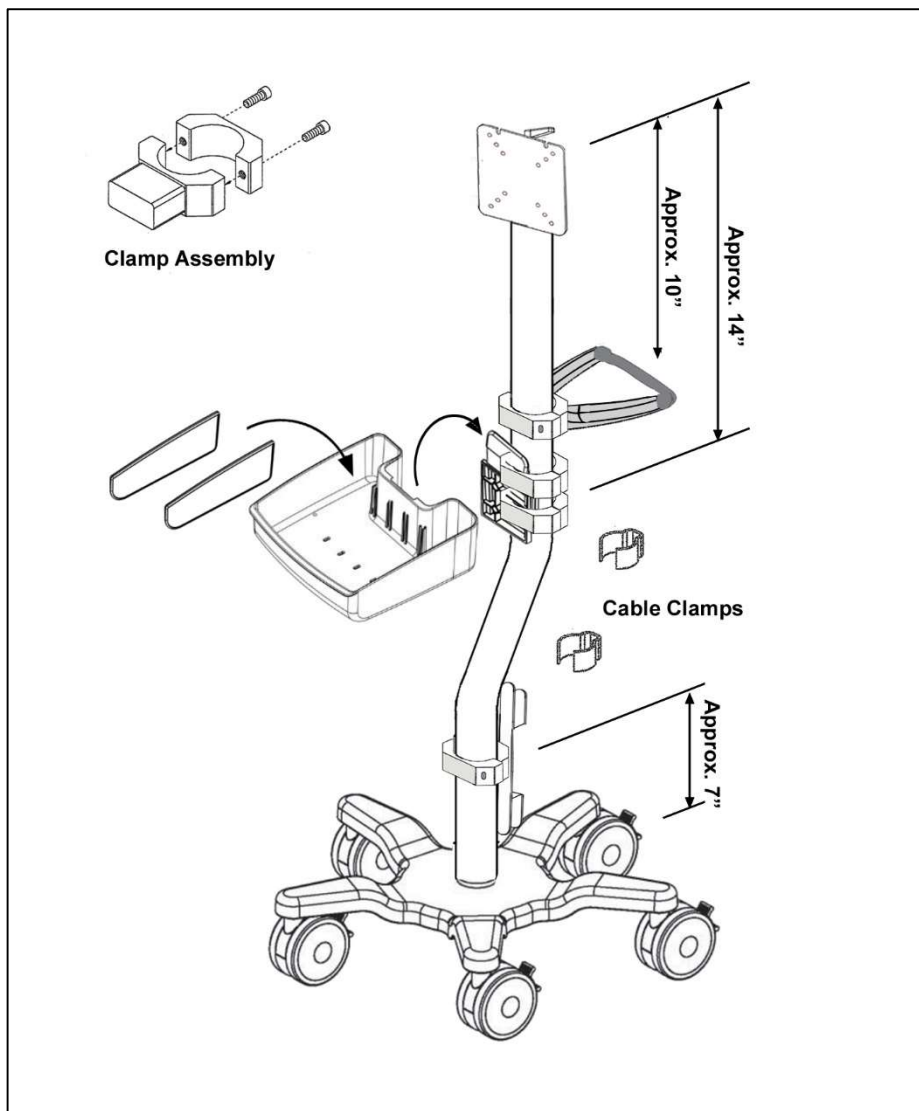


Figure 17. Attaching Accessories to the Roll Stand

Attaching 75mm/100mm VESA Adaptor Plate to System

1. The Rear Handle, Accessory Tray and Cable Wrap are all attached to the Off-Set pole using a Split Pole Clamp Assembly that fits around the pole, and is tightened with the two supplied Philips screws
2. The Rear Handle, Accessory Tray and Cable Wrap are all attached to the Off-Set pole using a Split Pole Clamp Assembly that fits around the pole, and is tightened with the two supplied Philips screws



Figure 18. Attaching the 75/100mm VESA Adaptor Plate

Attaching System to Optional Cart Assembly

1. Loosely install the top two black M4x8mm screws into the VESA adaptor plate mounted on the rear of the eCLINiC system
2. Carefully align the two loosely installed screws with the top two slots on the roll stand cart assembly and slide the system down such that it is supported by the top two screws
3. Firmly secure the system to the cart by tightening the top two screws and inserting the two lower screws into the VESA adaptor plate

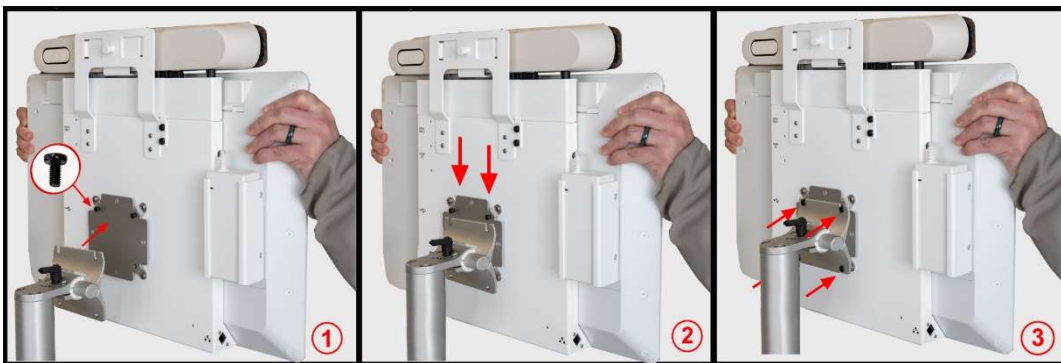


Figure 19. Attaching the System to the Cart

Optional Horus Scope Installation

The optional Horus Scope package is comprised of a Jed Med Horus Scope 3, a cable clamp assembly, a support cradle that attaches to the side of the eCLINiC and a set connecting cables. The first step of the installation process is to attach the power and data cables to the Horus Scope and attach the clamp to ensure they are not disconnected during use.

Attaching Horus Scope Cables and Clamp

1. The Horus Scope cable assembly consists of a power and data cable joined together. Identify the Micro HDMI male and the Mini USB cables, orientate them to match the Horus Scope female connectors
2. Gently connect them to the Horus Scope ensuring the orientation is correct for the mating connectors

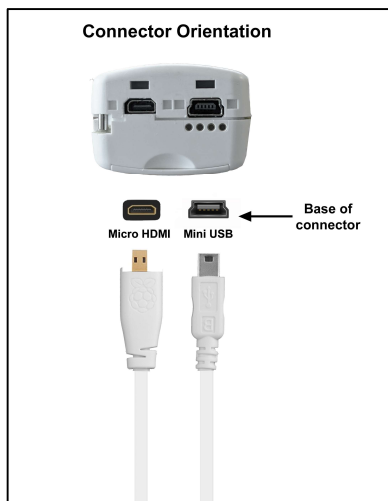


Figure 20. Identifying Connectors

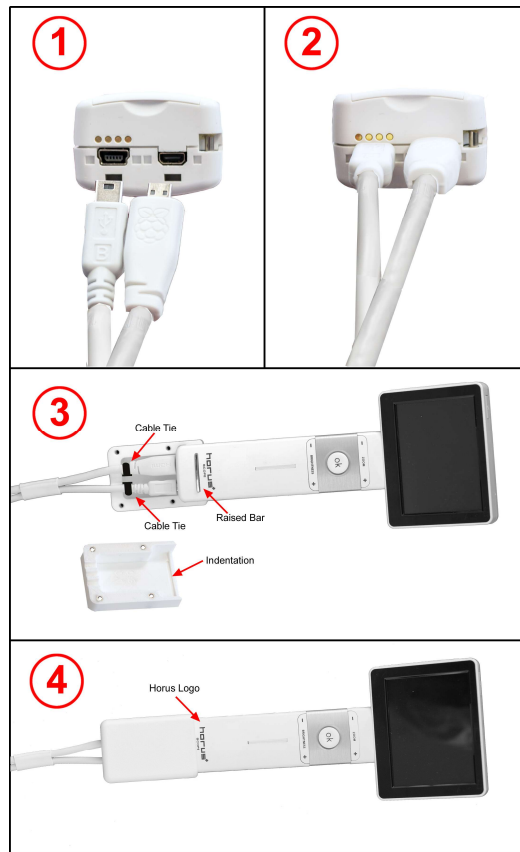


Figure 21. Attaching Cable Clamp

3. Lay the Horus Scope and attached cables into the male side of the clamp assembly as shown (The male side of the clamp is identified by the 4 screw holes) Gently attach the two supplied cable ties to ensure the connectors cannot be pulled out of the Horus Scope
4. Place the female side of the clamp assembly on top of the male side ensuring the Raised Bar on the front of the Horus Scope mates with the Indentation in the male side of the clamp. Insert and tighten the four supplied screws clamping the male and female clamps fit snugly around the Horus Scope handle.

For more details regarding the Horus Scope features, menu options, operation and care instructions please consult the JEDMED Horus Scope User's Manual, which can be found at: <https://www.jedmed.com/pages/horus-scope-manuals>

Attaching the Horus Scope Support Bracket

1. Orientate the Mounting Plate with the two support “Fingers” pointing upwards, and attach to the rear of the system using the two M3 x 10mm screws
2. Connect the Male USB 2 Cable and HDMI cable to the mating connectors on the side of the system, running the cables through the supplied “P” clip which is then screwed in place to securely support the cable assembly.
3. The Horus Scope can now be placed in the support fingers with the cable assembly being supported by the clamp assembly to ensure it is not disconnected during use.

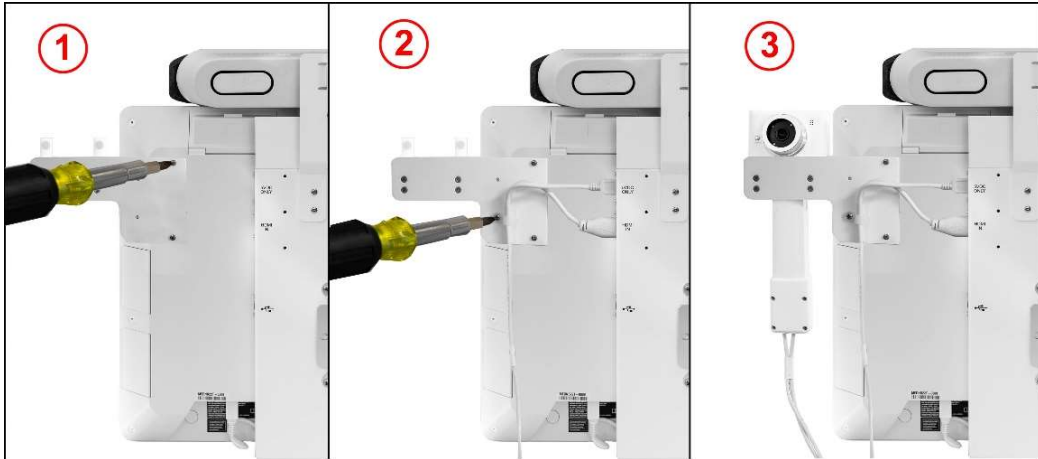


Figure 22. Attaching Horus Scope Mounting Plate

Using the Horus Scope with Optional Cart

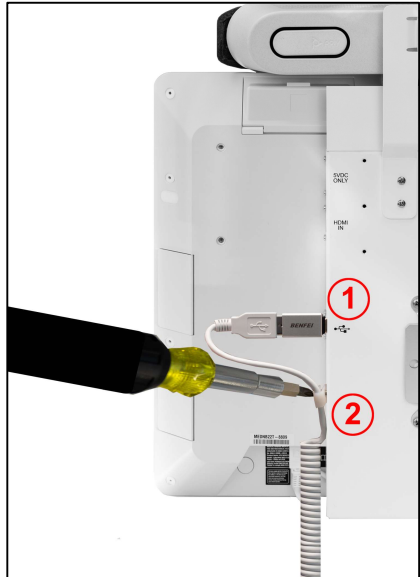
The Horus Scope kit is supplied with a foam insert designed to fit into the optional cart tray via two self-adhesive strips on the base of the foam. The foam has specific cutouts to allow various Horus Scope lenses to be safely stored. Two self-adhesive cable clips are also supplied with the Horus Kit which can be attached to the side of the cart tray to keep the Horus Scope cables close to the cart when not in use to avoid any potential trip hazard.



Figure 23. Horus Attachment Components for Optional Cart

Optional Electronic Stethoscope

The optional Electronic Stethoscope package is comprised of a Jed Med Omni-Steth Stethoscope kit and a pair of high-quality dual muff headsets. These are used in conjunction with the Stethoscope Interface Unit (SIU) and USB A/C adaptor that are supplied with the base eCLINiC system.



Connecting SIU to the Main System

1. Attach the supplied USB to USB C adaptor on the end of the SIU coiled cable, and connect into the USB C port on the side of the system
2. Feed the straight end of the coiled SIU cable through the supplied “P” clip and secure to the system chassis with the provided 6-32 x 3/8” screw, ensuring the cable cannot be pulled out of the connector when the stethoscope is in use.

Connecting Stethoscope and Headset

3. Connect the 3.5mm/3.5mm jack cable from the SIU stethoscope input to the Stethoscope Output (Stethoscope must have audio output adaptor fitted)
4. Connect Headset to SIU headphones output

Figure 24. Connecting SIU to System



Figure 25. Connecting Stethoscope and Headphones to SIU

Electronic Stethoscope Operation

For detailed information on using the Jed Med Omni-Steth, please refer to the manual which can be found at:

<https://www.jedmed.com/pages/omnisteth-digital-stethoscope>

The stethoscope interface unit (SIU) has two primary functions when connected to the main system, as described below:

1. When the system is turned on by sliding the left-hand switch to the up position, this automatically mutes the incoming and outgoing audio from the main system microphones and speakers.
2. System correct operation is confirmed by the LED illuminating above the on/off switch. At this point the remote site cannot hear any distracting voices or room noise ONLY, the output from the stethoscope. Similarly, no sound comes from the local room speakers.
3. The right-hand switch is used to define what is heard by the stethoscope user through the headphones. If the switch is in the UP position, then the user will only hear the stethoscope with no other distracting noise. If the switch is put in the DOWN position, then the user hears the stethoscope in one ear and the remote site in the other ear. This allows a remote physician to communicate with the local user.
4. The SIU is fitted with a clip on the rear that can be used as a belt clip, or to attach the SIU to the cart storage bin when the stethoscope is not being used



Figure 26. SIU Control Layout

Optional Aruba 501 Wireless Client Bridge

The optional Aruba 501 Wireless Client Bridge (Part #: ACC-ARUBA-PSX30-A01) and eCLINiC Mounting Kit (Part #: ACC-ARUMNTKIT-PSX30-A01) are available for advanced Wi-Fi operation and is used when software applications operating on the Poly X30 system are not directly supported by the internal W-Fi capabilities, as well as for increased coverage in a mobile environment.

Attaching Aruba Wireless Bridge to eCLINiC System

1. Attach the Wireless Bridge mounting bracket to the rear of the eCLINiC system using the 6-32 3/8" Flat Head Screws
2. Attach the supplied "P" clip to the rear of the eCLINiC system using the supplied 6-32 3/8" Pan Head Screw with the USB cable being fed though the "P" clip leaving enough slack on the cable to allow connection to the USB female port on the side of the rear chassis.
3. Attach the Aruba mounting plate to the bracket using the two supplied 6-32 3/8" Pan Head Screws which pass through the Aruba "Spring Clips" as shown in figure 27.
4. Note: The Aruba mounting plate, and two spring clips are supplied with the Aruba Wireless Bridge assembly
5. Slide the Aruba wireless bridge onto the mounting plate from the right-hand side of the system looking form the rear.
6. Ensure that the Aruba Bridge is orientated with the Power and Network connectors on the right-hand side, with the Aruba logo shown in an upright position on the front of the Aruba casing
7. The Aruba bridge must be fully inserted into the mounting plate such that it is firmly held in place by the two spring clips.

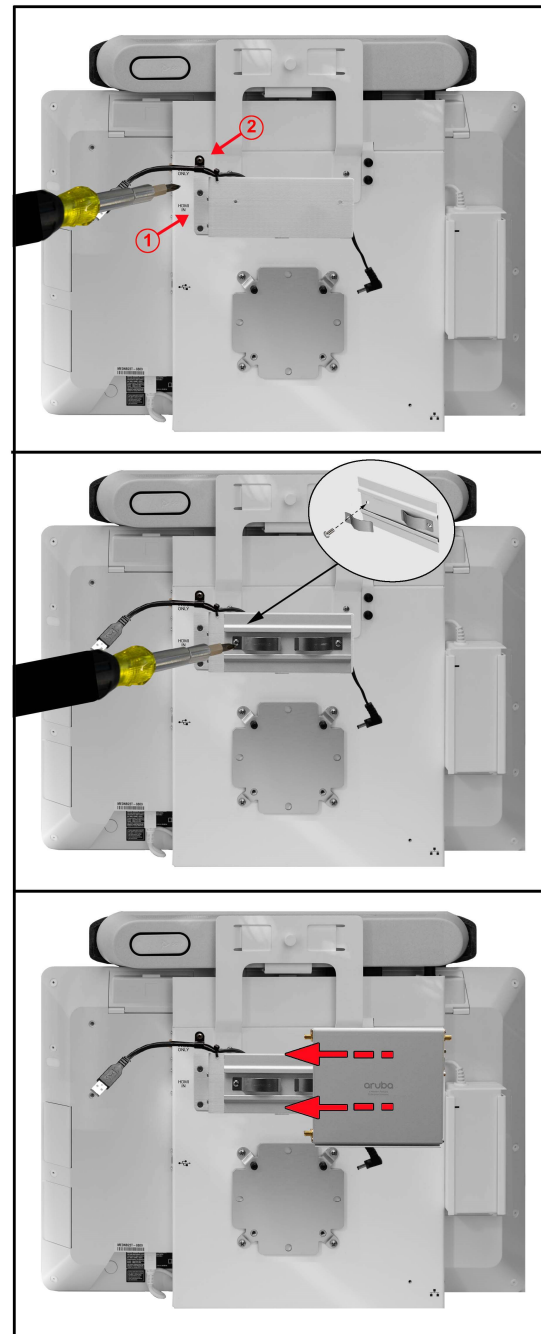


Figure 27. Attaching Aruba 501 to System

Connecting Aruba Wireless Bridge to eCLINiC System

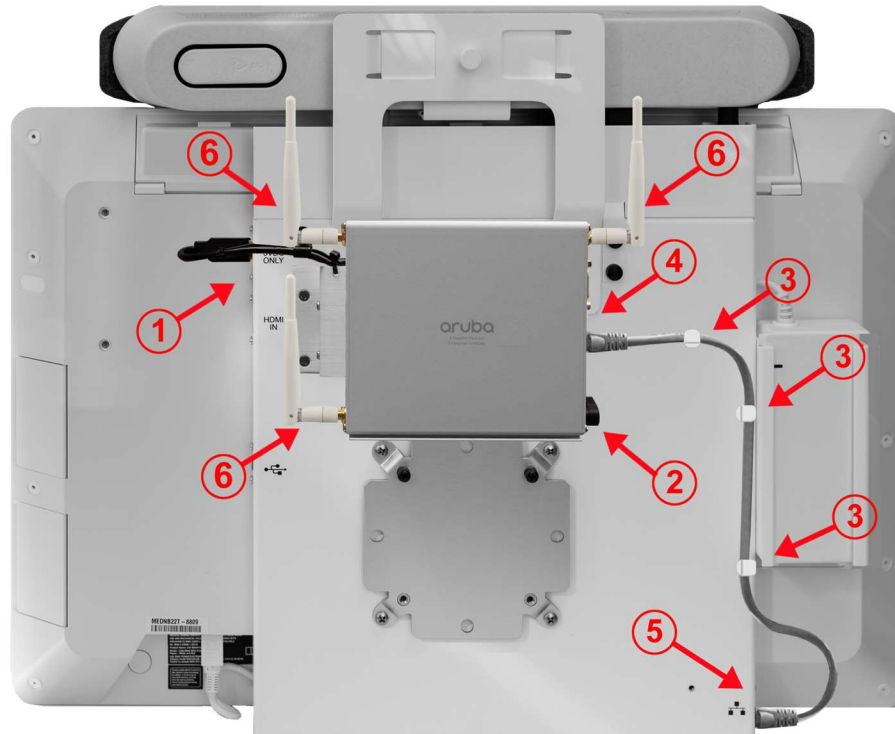


Figure 28. Connecting Aruba Wireless Bridge to eCLINiC System

1. Connect the USB male connector to the USB female connector on left side of the eCLINiC rear chassis labelled “5 VDC ONLY”
2. Connect the right-angled DC connector on the end of the cable attached to the Aruba mounting plate, into the DC input connector on the right side of the Aruba bridge
3. Attach the self-adhesive cable clamps to the rear of the eCLINiC chassis in a logical pattern to allow cable attachment from the network connector on the bridge to the network connector on the eCLINiC as shown in figure 28 above
4. Connect the supplied RJ45 male to male cable to the network port on the right side of the Aruba bridge
5. Connect the other end of the supplied RJ45 male to male cable to the network connector on the eCLINiC, and route the cable through the previously attached cable clamps as shown in figure 28 above
6. Screw in the 3 antennas supplied with the Aruba bridge and orientate them in an upright position, as shown in figure 28 above

Aruba Wireless Bridge Set Up Procedures

For detailed information on setting up and using the Aruba 501 Wireless Bridge, please refer to the manual which can be found by searching for “Aruba 501 Configuration” at:

<https://asp.arubanetworks.com/downloads>

Cabling Optional Horus Scope when Aruba Wireless Bridge is Installed

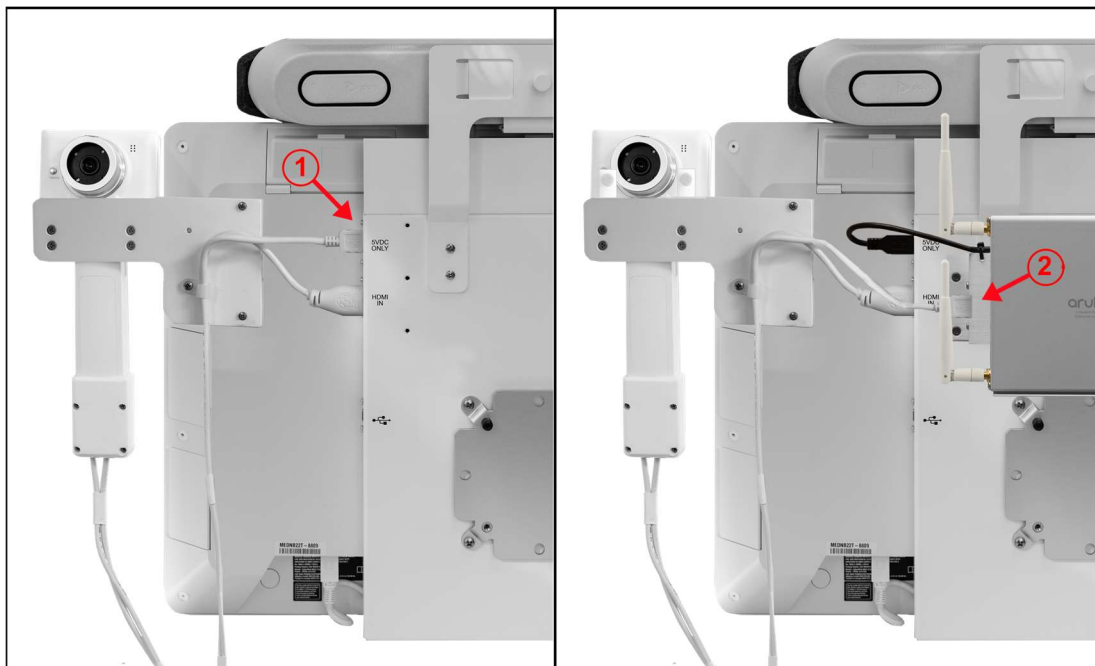


Figure 29. Horus Scope Cabling with Aruba Bridge Installed

1. The USB port on the left side of the eCLINiC rear chassis, labelled “5VDC ONLY” is normally used to provide power to the optional Jed Med Horus Scope 3.
2. When the optional Aruba bridge is installed on the system, the “5VDC ONLY” USB port is used to power the Aruba bridge, so it is necessary to re-route the USB power cable attached to the Horus Scope 3 to the USB female port on the side of the Aruba mounting bracket as shown in figure 29 above.

System Specifications

Videoconferencing	
Codec	Poly X30 incorporating microphone array, echo cancelling and loudspeaker
Camera	Poly 5x digital zoom
Display	
Type	22" PCAP Multi-Touch Medical Grade Display
Native Resolution	1920x1080
Viewing Angle	Horizontal 178 Degrees, Vertical 170 Degrees (Typical)
Supported Applications (See Note #1)	
Current Certified Applications	<ul style="list-style-type: none"> • Poly Mode – H.323/SIP • Zoom Room • Microsoft Teams • Ring Central.1.
	<ul style="list-style-type: none"> • 8 x 8 Meeting Rooms • GoToRooms • Star Leaf Rooms
Network	
	<ul style="list-style-type: none"> • 1 x 10/100/1G Ethernet • Wi-Fi capable (Available for specific applications)
Audio and Video Input/Output	
Video:	1 x HDMI designated for Horus Scope/PC Input
Audio:	1 x USB C designated for Electronic Stethoscope Input
System Dimensions	
	•21.75"W x 17.125"H x 2.75"D (with camera bracket and plunger 3.875"D)
Weight	
	22.6lbs complete system with 3 batteries
Mounting	
	Compatible with 100mm x 100mm VESA mount
Electrical	
	Integrated auto sensing power supply 100-240 Vac, 2.0-1.0A, 50/60Hz

Power Consumption	
	65 Watts (in call with discharged batteries), 25 Watts (in call with charged batteries) 25 Watts (on, not in call with charged batteries)
Battery	
Run Time	Approx. 10 Hours (3 x fully charged batteries)
Charge Time	Approx. 12 Hours (3 x fully charged batteries)
Optional Cart	
Dimensions	<ul style="list-style-type: none"> • Base 27" c/w 5 x 4" locking casters • 58" tall with system installed • 49" tall without system • Handle protrudes out 2" more than base
Weight	<ul style="list-style-type: none"> • 21.2 lbs. complete cart assembly, c/w handle, storage bin/dividers, AC cord, & ethernet cable.
Optional Horus Scope Kit	
Device:	<ul style="list-style-type: none"> • Jed Med Horus Scope 3 c/w general exam lens • HDMI and USB cables
System Weight:	<ul style="list-style-type: none"> • Cart mounting bracket c/w storage hooks • 1.5 pounds
Optional Electronic Stethoscope Kit	
Device:	<ul style="list-style-type: none"> • Jed Med Omni Steth - Electronic Stethoscope Kit • JVC headset • Stethoscope Interface Unit (SIU) • Cables
System Weight:	<ul style="list-style-type: none"> • 0.8 pounds

Notes: #1 Correct at time of publishing, subject to change by Poly
#2 Specifications subject to change without notice



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