CLINiC Model P1224T
Installation and User Guide

For use with Iron Bow Part Numbers:

CLINiC-P2G-12X24T-xx

Document Part # DOC-UG-CLINIC-P2G

Version 1.0

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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 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:
  - Non-operating temperature: -20°C –60°C
  - Non-operating humidity (non-condensing): 10%–95%
- Repacking – Do not throw away the carton and packing materials. They may be required if you need to move the system to an alternate location or return the system for maintenance.
- “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

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- 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 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

- Verify the system is unplugged from the AC Power outlet before cleaning.
- 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.
- Utilize appropriate cleaners for the surface being cleaned.
- Allow equipment to fully dry prior to plugging into a power source.
- 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 PC CLINiC series:

- Chassis cleaning
- Non-Abrasive Soap/Detergent: Generally, water and mild non-abrasive soap/detergent or isopropyl alcohol can be used routinely on CLINiC 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 camera 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

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- 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 or manually move the camera when it is powered. 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 of 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

It is recommended that the supporting device incorporates an AC isolation transformer if the system is to be used with any external peripheral that may have direct skin contact. The optional stand available for this system incorporates a suitable isolation transformer and many mobile carts contain isolated power sources derived from internal rechargeable battery packs. It is also 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: 5°C –35°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 CLINiC P1224T is a self-contained system that enables high-quality interactive audio, video, and content communications between two or more locations. The CLINiC P1224T is fully controlled via the interactive human interface using the touch screen display on the base system.

The system supports SIP and H.323 worldwide standards communications protocols, as well as specific third-party communications protocols, such as Zoom.

The **CLINiC P1224T** includes:

- 24” touch screen (100 × 100 VESA Mount capable)
- Integrated Poly 62 codec
- Poly 12x camera
- Integrated microphone, audio amplifier, and system speaker
- Power and LAN cables

Optional components:

- Horus Scope Series 3 with accessories
- Table stand with isolation transformer, CAPSA Trio Cart or other cart of your choice

Figure 1 - CLINiC P1224T with optional Horus Scope

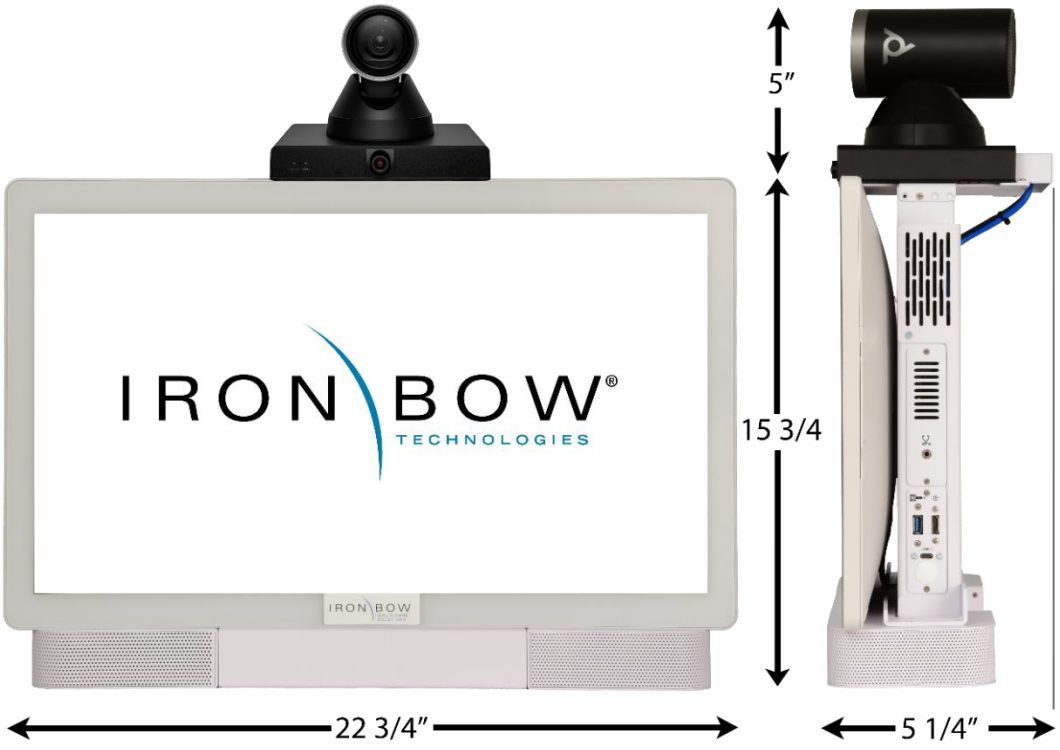

Figure 2 – Dimensions (not to scale)

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Assembling the System

Use the following information to assemble and install your system components. You need a #1 and #2 Philips screwdriver.

1. Mount the CLINiC on a cart, stand or desk stand to prevent accidental damage during assembly
    a. DO NOT lift the CLINiC by the monitor, as this can damage the screen. Support the unit from underneath and/or the chassis in the rear.
    b. Standard VESA 100x100 mount from the rear of the unit. Select from upper position or lower position depending on preference. Use the M4 x 8mm screws provided. If longer screws are needed, verify they are not hitting objects inside the chassis.

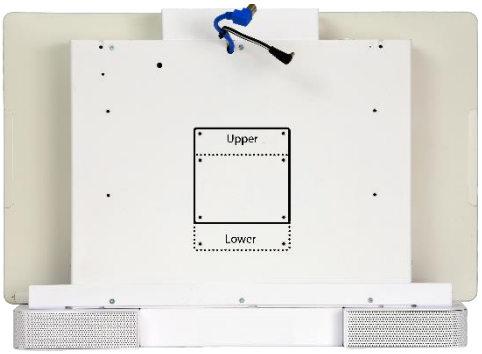

Figure 3 - Rear Mounting holes

2. Unbox the camera and locate these parts accessory box. Extra hardware may be provided.
    - Poly E60 Camera
    - Camera Mounting Bracket
    - (1) ¼-20 flathead screw for mounting the camera to the bracket
    - (1) M3 x 8MM flathead for camera bracket to camera

    Use caution not to rest or hold the camera on the moving parts. FRAGILE!
    a. Align bracket to the bottom of the camera as shown.
    b. Orient the bracket to the front of the camera as shown.
    c. Install screws as shown.

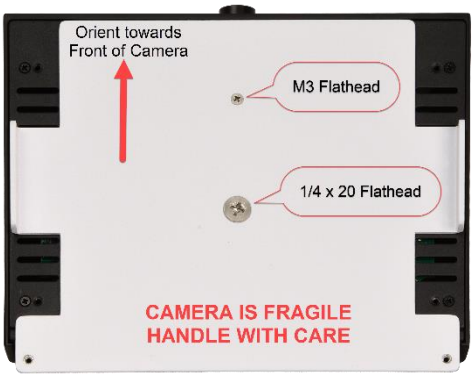

Figure 4 - Camera bracket attachment

3. Mount the Camera/bracket to the CLINiC.
    - (4) #6-32 x 3/8 flathead screws
4. Plug in the USB and Power cables to the back of the camera
5. Attach the Cable Cover as shown
    - Cable cover bracket
    - (2) #4-40 x ¼" pan head screw

Figure 5 - Camera Mounting

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6. Attach the Speaker deflector bracket to the bottom of the CLINiC
    a. Remove the three screws from the base of the CLINiC and reserve for re-use.
    b. Orient the bracket as shown so the sound deflects to the front of the CLINIC.
    c. Attach the deflector using the 3 screws previously removed.

Figure 7 - Remove screws from underside

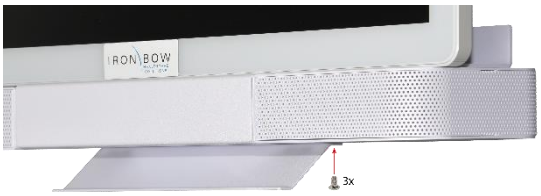

Figure 6 - Attach sound deflector

Cabling the System

The CLINiC P1224T has multiple user ports on both sides of the system chassis.

Connect all cables prior to powering the system with the 110v power cable.

CLINiC P1224T ports

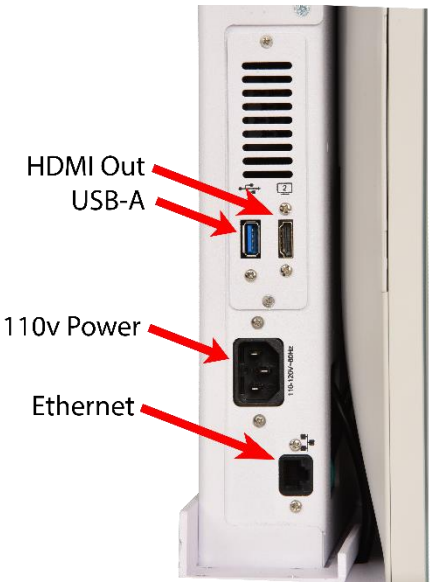

Figure 9 - Left Side

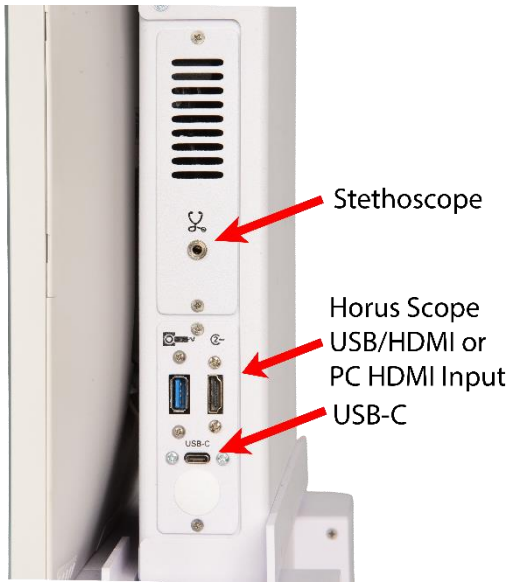

Figure 8 - Right Side

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Getting Started

Before you use your system, familiarize yourself with its features and user interface.

Powering the System On and Off

The system turns on when you plug it into a power source. This automatically powers on the video system, camera, display, and control system.

A splash screen appears within several seconds. A power LED on the front of the camera confirms AC connectivity and video system operation. When the system goes to sleep, the LED shuts off even though there is still power to the main system.

The system doesn't have a power button, as it is designed to remain powered at all times. If you must remove power, unplug the power cable to power it off.

Note: Don't power off the system during maintenance activities (for example, while a software update is in progress).

Wake the System

After two hours of no activity, the system enters sleep mode.

You can change this value in the system web interface. For more information, see the Poly Administration Guide for details. You can wake it using a touch monitor or control panel.

The CLINiC P1224T automatically wakes up for an incoming call. Tap the primary screen to wake the system up manually.

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Log into Admin via the network

- Plug the network/ethernet cable into the ethernet port on the device
- Plug in power and allow the unit to boot. This may take a minute or two.
- The codec will be assigned an IP address from the DHCP server.
- To locate the IP address, swipe up from the bottom of the screen and then select More, then Settings. Write down or photo the serial number and IP address as shown.

Figure 10 - Codec Menu

- To log into the administrator screen for the device, your computer will need to be on the same network as the CLINiC, or you can connect the PC directly to the ethernet port on the CLINiC.
- Enter the IP address in any browser on your PC, you should reach the Login screen for the CLINIC. When queried, enter the user Name: admin and the last 6 digits of the serial number as the password.
- See the Poly Administration Guide for additional features of the codec.

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Appendix #1: Horus Scope Series 3 Cradle

This user guide covers basic installation steps of a Horus Scope cradle assembly. The cradle assembly allows convenient and safe positioning of the Horus Scope on a CLINiC.

You can find additional CLINiC resources and information about support and other related telehealth services at www.ironbowhealthcare.com.

Consult the JedMed website for instructions on use of the Horus Scope here: https://www.jedmed.com/pages/horus-scope-manuals

Figure 11 - CLINiC with Horus cradle

Install the Horus Scope Battery

Prior to attaching the clamp and coiled cable to the Horus Scope, make sure the Horus Scope has a working battery. To insert or replace a battery, see the instructions below.

Note: If the Horus Scope and the cradle were purchased together, the battery will be preinstalled in the Horus Scope. If that is the case, skip to the cradle assembly instructions.

- Open the battery cover by inserting your finger or a pointed tool in the gap at the bottom of the battery cover. Remove the battery cover by lifting it up.
- Insert the battery with the positive end facing up.
- Contact Iron Bow for replacement battery when needed (part number 39-7435-2)

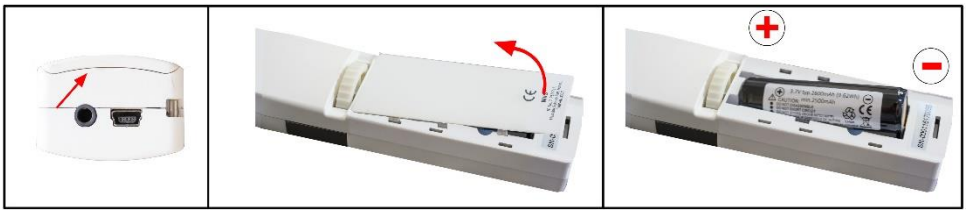

Figure 12 - Battery Installation

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Installing the Horus Scope Cradle

The optional Horus Scope package is comprised of a Jed Med Horus Scope 3 and a system support bracket that attaches to the side of the CLINiC with attached cable assembly. The first step of the installation process is to attach the Horus Scope support bracket to the CLINiC and attach the system cables.

Attaching Horus Scope Support Bracket and Cables

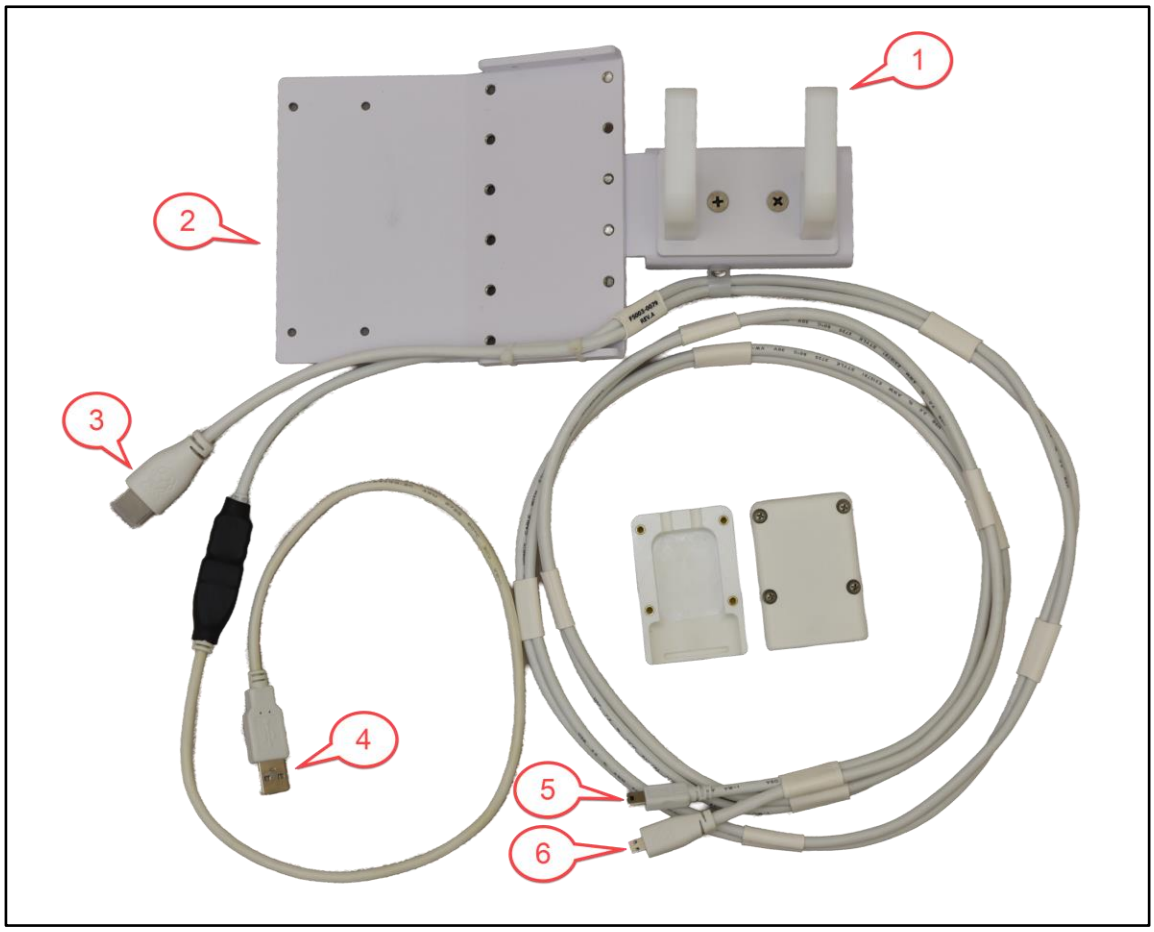

Figure 13. Horus Scope 3 Support Bracket and Cable Assembly

The components of the cradle assembly and attached cables are outlined below:

1. Cradle Hooks to support Horus Scope
2. Cradle attachment bracket
3. HDMI Cable for connecting to Horus Scope HDMI Video Input on CLINiC
4. USB A Cable for connecting to CLINiC display for powering the Horus Scope
5. Micro HDMI Cable to feed video from Horus Scope to CLINiC
6. Mini USB Cable to feed power from CLINiC to Horus Scope

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Attaching the Horus Scope Support Bracket

- Orientate the support bracket with the two support “Fingers” pointing upwards at the front of the display
- Attach the support bracket to the rear of the system using the two supplied M4 x 10mm screws

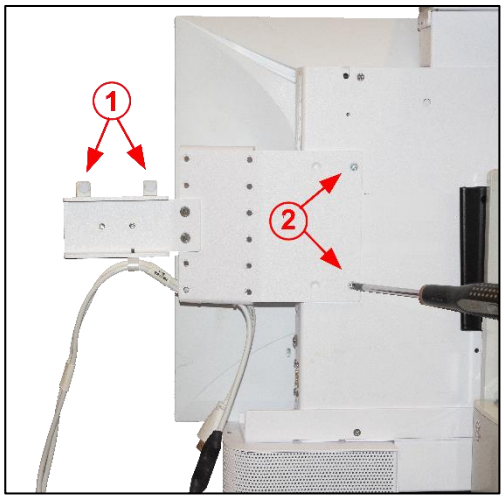

Figure 14. Attaching Horus Scope 3 Support Bracket

Connecting the Horus Scope

1. Connect the HDMI cable to the Horus Scope Input Connector on the side of the system
2. Connect the USB A plug to the USB outputs on the side of the system.

Figure 15. Horus Scope 3 CLINiC Cabling

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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
3. Place the clamp assembly over the ends of the connectors as shown. Note the screws go inside from the back, and the half with the indentation is on the front. Position such that the cable ties are inside, and the indentation is above the raised bar.
4. Insert 4 pan head screws into the clamp and tighten until snug. Horus Logo should appear as shown.

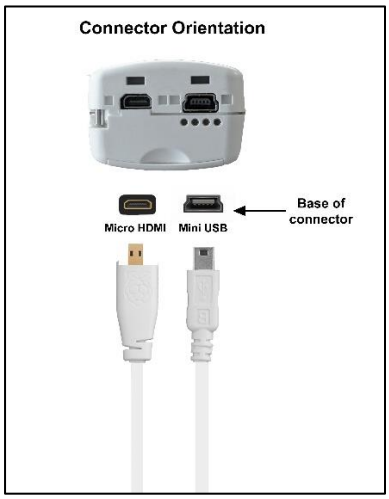

Figure 16. Identifying

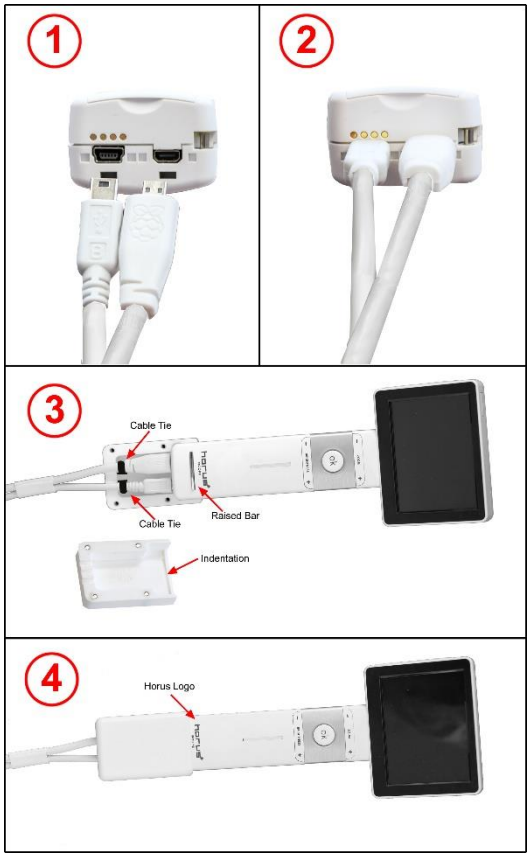

Figure 17. Attaching Cable Clamp

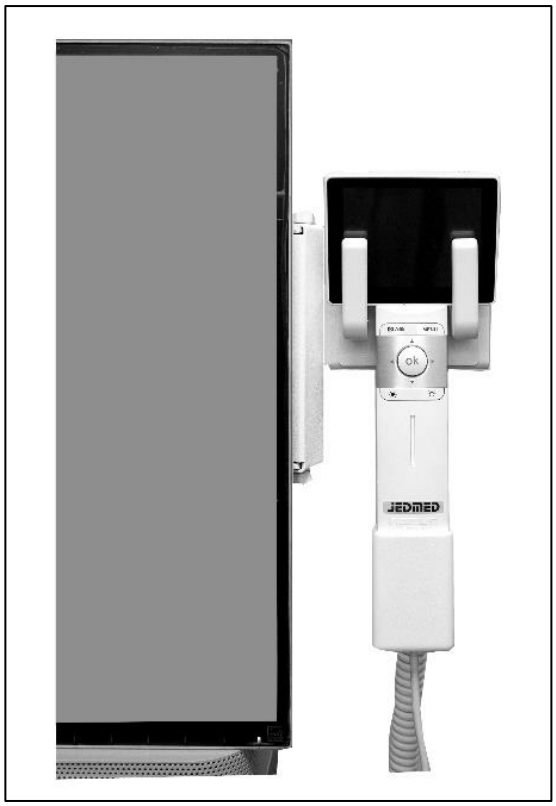

Figure 18. Please the Horus in the cradle

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Operating the Horus Scope

The Horus Scope is used to capture and transmit images and video to a remote consulting clinician through the Telehealth Station. This section includes a summary of the Horus Scope functions and components, basic operation and troubleshooting tips. See the JedMed website User Guide for additional information.

Horus Scope Functions and Components

The Horus Scope functions and device components are listed below.

	Description
1	LCD touchscreen monitor
2	Zoom Out
3	Zoom in
4	OK: Capture/Enter
5	Decrease brightness
6	Increase brightness
7	Power indicator

Figure 19. Horus Scope components (front view)

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Basic Horus Scope Operations

To power on the Horus Scope:

- Press and hold the power button at the top of the unit for two seconds. The Horus Scope will start up. Start-up takes about 20 seconds.
- Refer to the Jedmed User Guide for use on the touch screen menu and other device features.

Figure 20 - Horus Scope Screen

Changing Horus Scope Lens Attachments

To remove optical lens attachment from the Horus Scope:

- Hold the camera in one hand and rotate optical lens counter-clockwise with the other hand until the lens detaches.
- Gently pull to detach lens.
- To add optical lens attachment to the Horus Scope:
- Hold the camera in one hand and the lens in the other hand
- Align the ● marks on the optical lens and the camera body
- Push the lens and the camera together
- Rotate optical lens clockwise until secure

For more details regarding the Horus Scope features, menu options, operation and care instructions please consult the *JEDMED Horus Scope User's Manual*.

For additional information regarding the Horus Scope operation with the Telehealth Station, please refer to the system User Guide.

Troubleshooting Tips

Press the Connected Peripheral Device button (on the touch display or tethered remote, if connected) to display the Horus Scope video on the system. **Note:** The Connected Peripheral Device button becomes active and can be used after the Horus Scope is powered-up, connected to and detected by the Poly Telehealth Station

If you see a JEDMED logo instead of the expected image, ensure that the lens is properly attached to the Horus Scope handle. Consult the User Guide included with the Horus Scope for detailed installation and operation instructions of the Horus Scope device, which can be found at: https://www.jedmed.com/pages/horus-scope-manuals

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Moving Cradle from Side to Rear Mounting Position

The instructions below describe how to change the cradle from side mounting to rear mounting. To change from rear mounting to side mounting, reverse the instructions.

Note: A #2 Phillips head screwdriver will be required for the installation.

1. Remove the screws attaching the cradle hooks to the position one plate. You will reuse the cradle hooks and screws later in this procedure when you will attach the hooks to the position two plate.

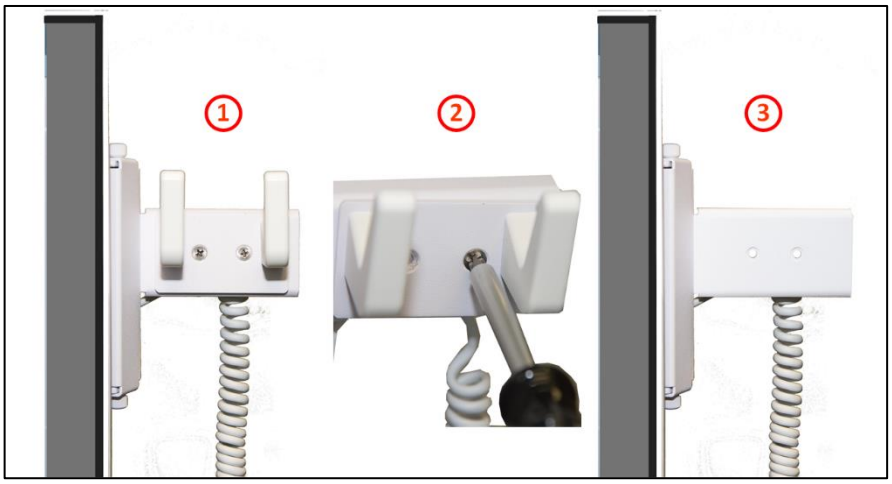

Figure 21 - Horus Scope components (front view)

2. Remove the two screws attaching the side position plate to the cradle support bracket. You will use the same screws to attach the rear position cradle support bracket later in this procedure.

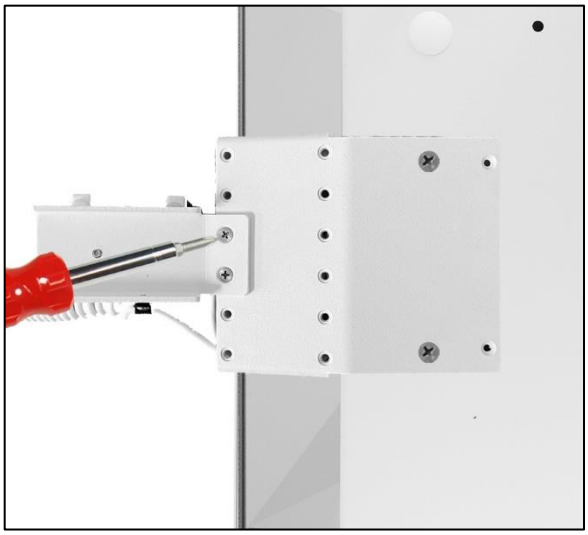

Figure 22 - Horus Scope components (rear view)

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3. Remove the strain relief clamp holding the coiled cable to the side position mounting plate.
4. Fasten the strain relief clamp to hold the coiled cable to the rear position plate.

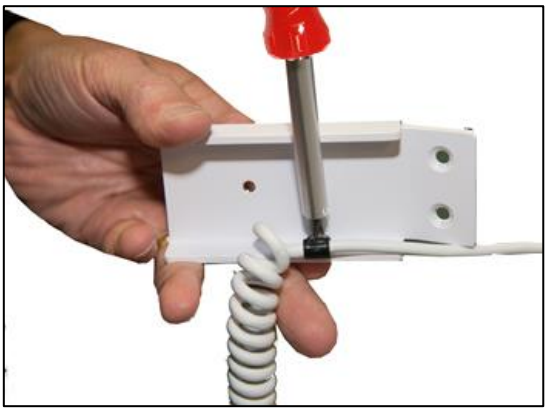

Figure 23 - Remove cable clamp

5. Place the rear position plate (supplied with kit) on the back of the cradle support bracket and secure with the same two screws that were used to secure the position one plate.

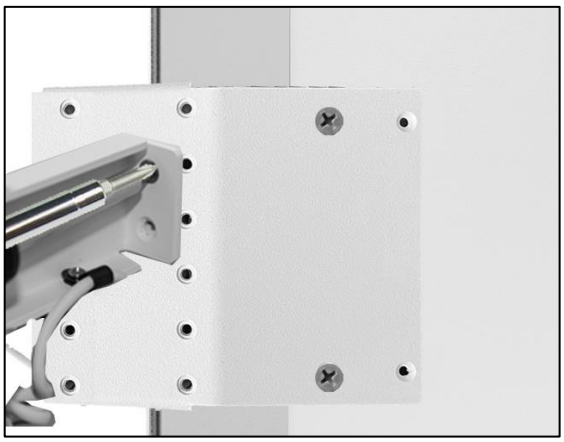

Figure 24 - Attach rear position plate

6. Fasten the cradle hooks onto the rear position plate.

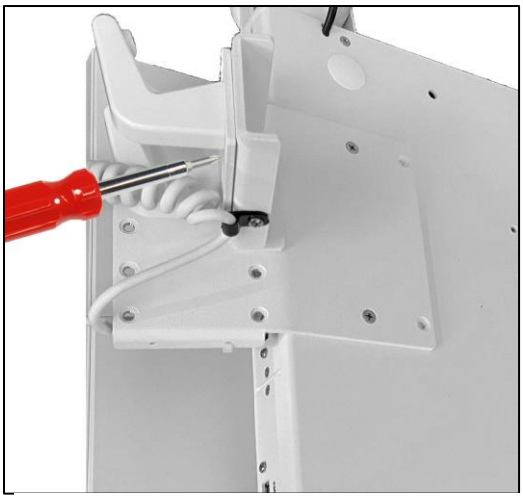

Figure 25 - Re-attach hooks

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7. Place the Horus Scope into the cradle on the back of the System.

Figure 26 - Horus Scope Side Mount

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