Iron Bow Cisco CLINiC Gen 2 Clinical Care Device Installation and User Guide

CLINiC-C-12X27-B02

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:
  - ➢ *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 in the event that 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
  - ➢ 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. 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.
3. Utilize appropriate cleaners for the surface being cleaned.
4. Allow equipment to fully dry prior to plugging into a power source.
5. 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 CLINiC and MedView:

- 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 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
  - 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%

Contents

Introduction

The CLINiC from Iron Bow Healthcare Solutions is a purpose-built telehealth video and consultation device that enables the delivery of clinical healthcare at a distance.

The CLINiC includes a video codec, a high definition video camera, built-in microphone, 27" display, audio speakers and an intuitive touch-control panel. The CLINiC enables high quality video and audio calls between two or more parties. Examination devices such as electronic stethoscopes and Horus Scope systems can be connected directly to the CLINiC.

The CLINiC can be interchangeably mounted on a table top, wall, extensible arm, or on a medical cart.

This user guide covers the functionality of the CLINiC 12x model.

Figure 1. CLINiC 12x pictured with optional desk stand

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

System Description

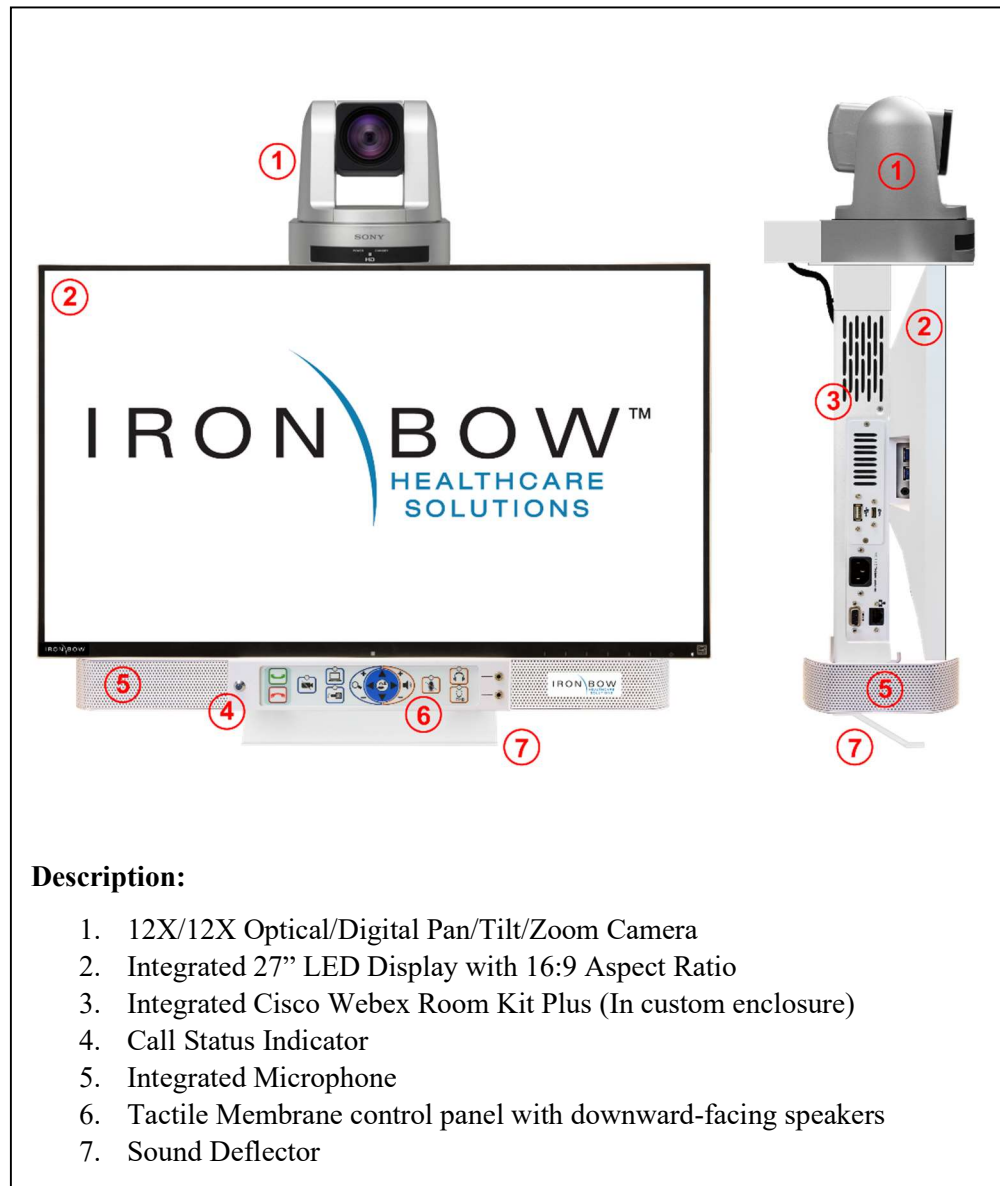The primary components of the CLINiC 12x are shown below:

Description:

1. 12X/12X Optical/Digital Pan/Tilt/Zoom Camera
2. Integrated 27" LED Display with 16:9 Aspect Ratio
3. Integrated Cisco Webex Room Kit Plus (In custom enclosure)
4. Call Status Indicator
5. Integrated Microphone
6. Tactile Membrane control panel with downward-facing speakers
7. Sound Deflector

Figure 2. CLINiC 12x system components

System Installation

The CLINiC should be mounted on a stable supporting structure (table top, wall, extensible arm, or medical cart) before you begin using it. Refer to *Appendix.1. -* Mounting Information for mounting holes locations and dimensions.

Installing the Camera

Before using the system for the first time, you need to mount and connect the camera to the mounting panel located on top of the CLINiC 12x display.

To install the camera on the CLINiC 12x:

1. Remove camera assembly from packaging and place carefully on a tabletop.

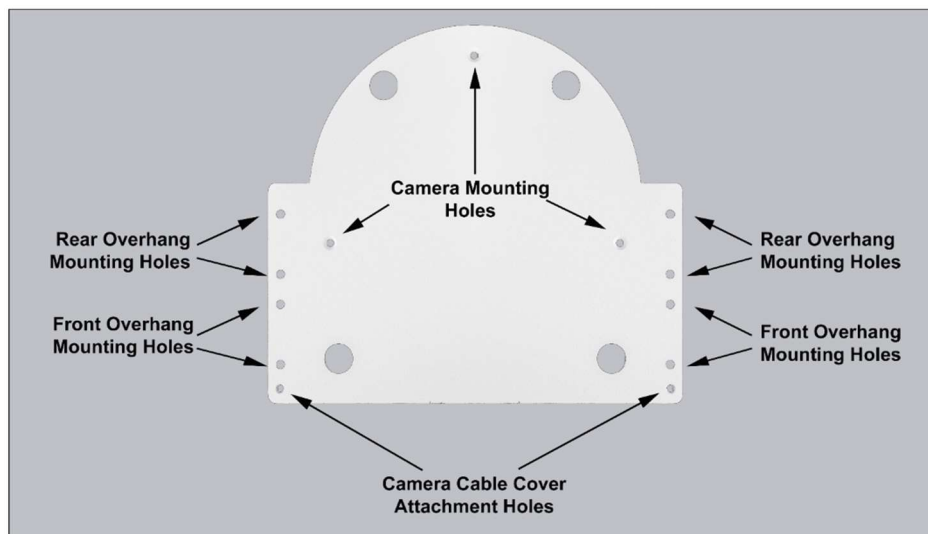2. Identify the camera mounting plate as shown below:

Figure 3. Camera Mounting Plate

3. Line up the four feet of the camera with the large holes in the Camera Mounting Plate

4. Carefully attach the camera mounting plate to the base of the camera with the three provided screws, as shown in Figure 4 below.

**Figure 4. Camera Mounting Plate Assembly**

5. Gently place the camera assembly on top of the support bracket, ensuring the locating holes on the base plate line up with the holes on the mounting plate.

Figure 5. Mounting Camera to Chassis

6. There are two sets of holes available for attaching the mounting plate to the system (see Figure 3 above). The selection of which holes allows the camera to overhang more at the front or the rear, depending upon how the system is to be installed:

   o Using the front mounting holes, the camera will overhang more at the rear of the system, which is ideal for cart, arm or table-top mounting

   o Using the rear mounting holes the camera will overhang more at the front of the system, which may be more suitable for direct wall mounting of the system.

Figure 6 - Camera Relative Front and Rear Positions

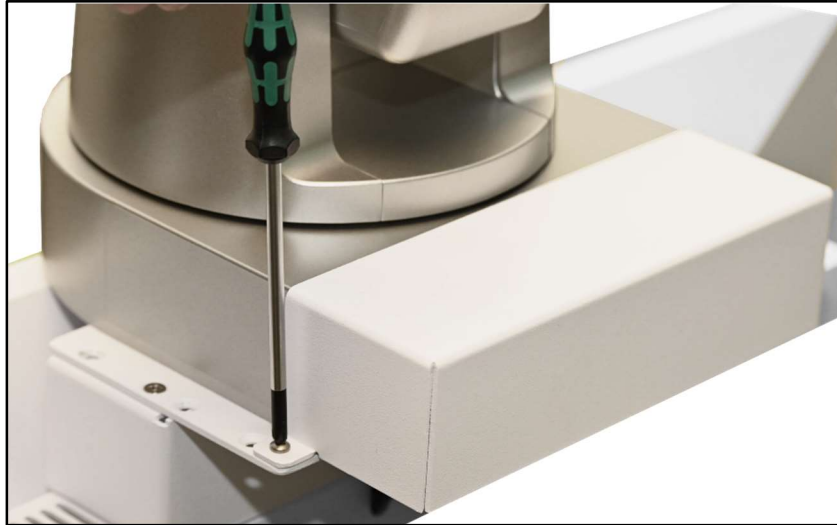Camera Rear Overhang   Camera Front Overhang
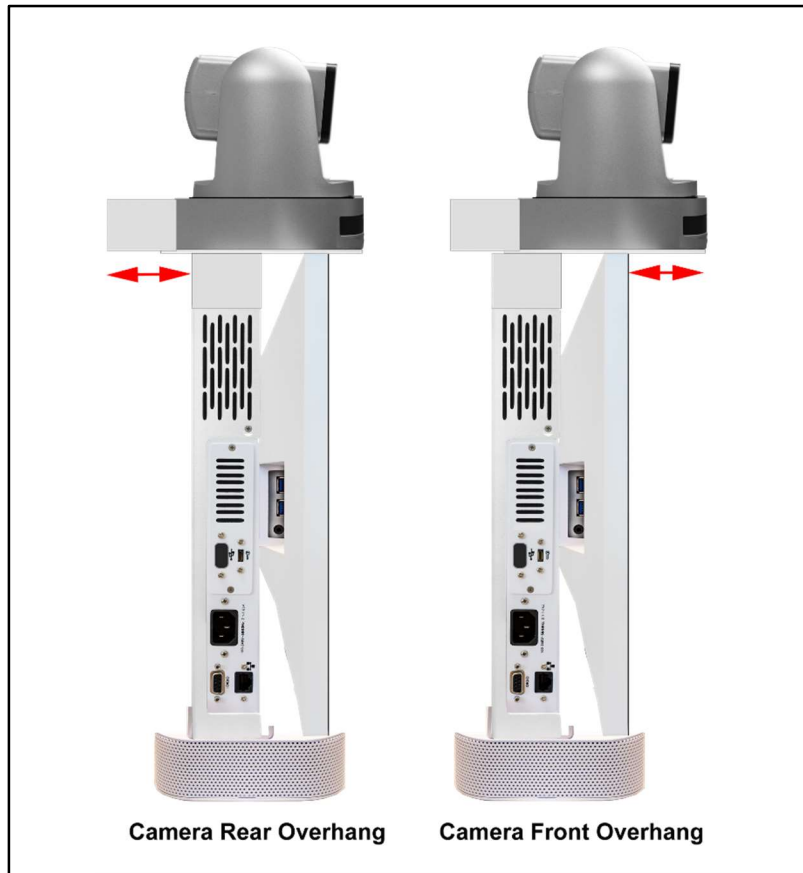
7. Connect the three cables that come out at the top of the CLINiC to the corresponding connectors on the rear of the camera as shown in Figure 8

Figure 7 - Camera Connections

8. Attach the rear camera cable cover using the two screws provided.

Figure 8 – Attaching Camera Rear Cover

9. Gently remove any packaging foam and tape from camera to complete system assembly.

Sound Deflector

The CLINiC includes a removable sound deflector, installed underneath the control panel enclosure, as shown in the figure 9. The sound deflector improves the audio quality for CLINiC installations that are either wall-mounted or mounted on an arm, by deflecting the audio forward.

Figure 9 – CLINiC 12x Sound Deflector

Installing the Sound Deflector

1. Remove the three screws using a Philips #1 screwdriver, on the base section of the sound bar at the rear of the chassis, circled in red in the following figure

Figure 10 - Sound Deflector Screw

2. Remove the three Phillips head screws and align the deflector, pointing forward, with the three screw holes and replace screws to secure shield in place.

Figure 11 – Installing Sound Deflector

Connections

The 12x CLINiC includes Multiple user ports on either side of the system chassis, plus audio ports on the front panel. Please note ports designated for engineering usage, future expansion and for optional accessories should only be used with the appropriate equipment connected. Refer to accessory user manual for connection details.

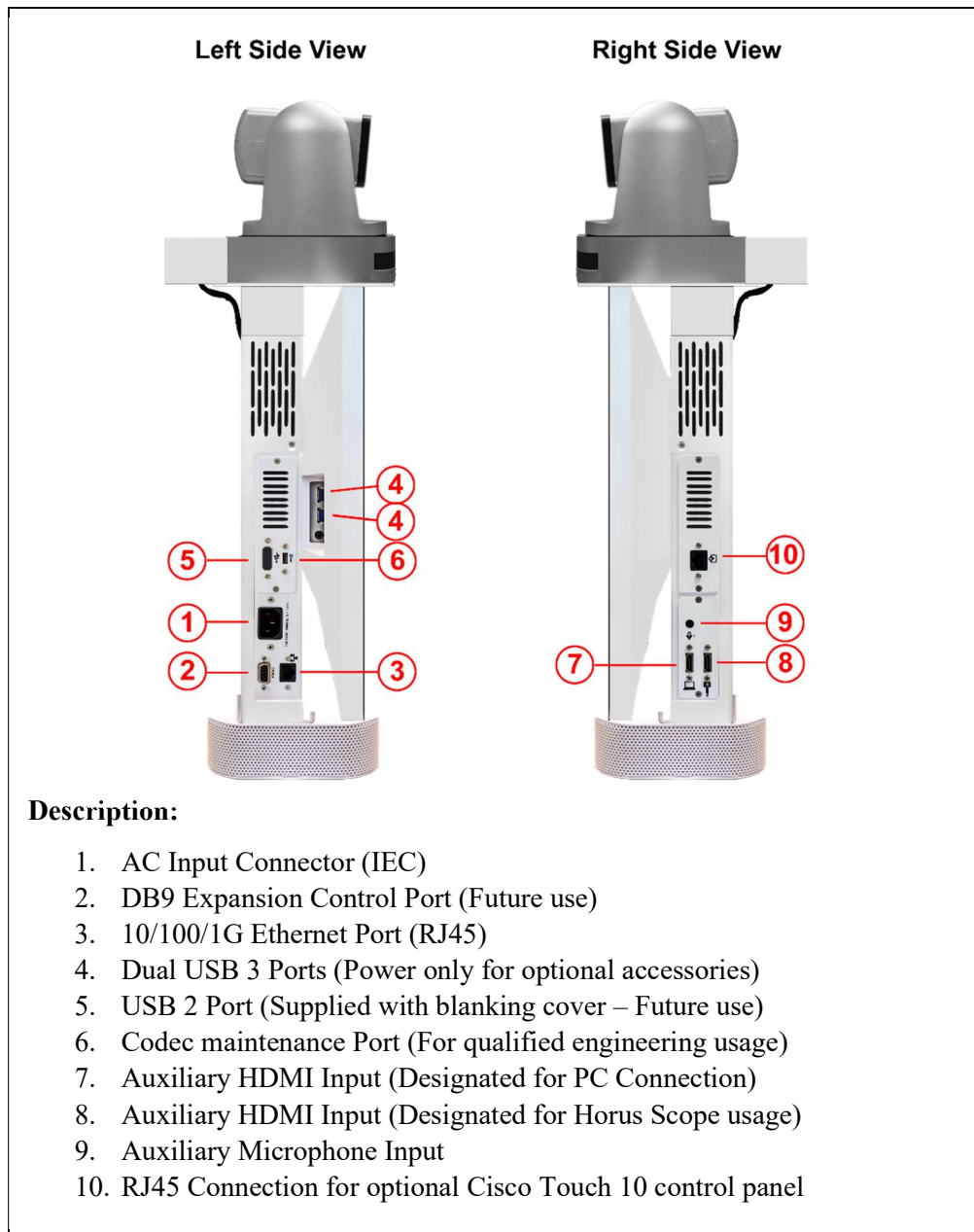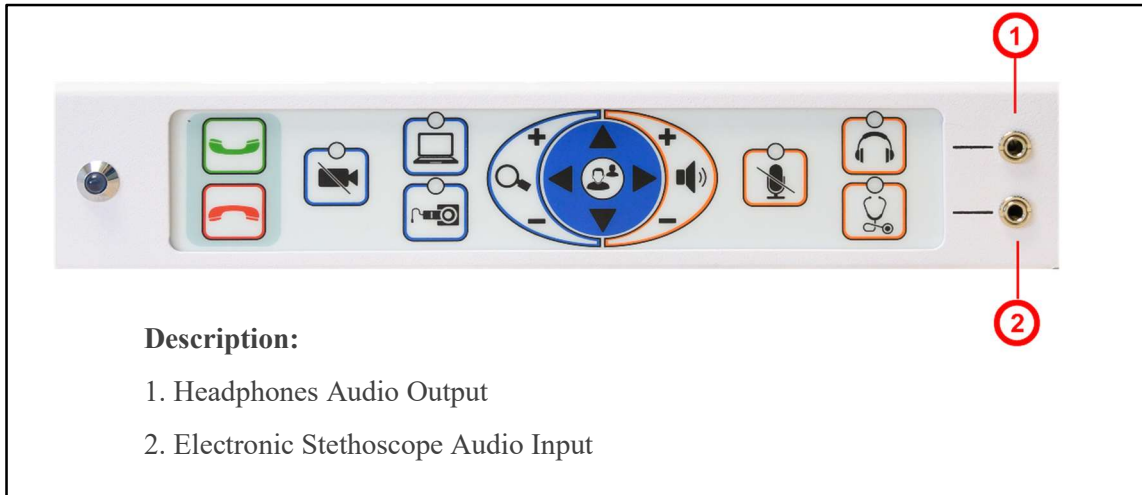**Figure 12 - CLINiC 12x Left and Right side Connectors.**

Description:

1. AC Input Connector (IEC)
2. DB9 Expansion Control Port (Future use)
3. 10/100/1G Ethernet Port (RJ45)
4. Dual USB 3 Ports (Power only for optional accessories)
5. USB 2 Port (Supplied with blanking cover – Future use)
6. Codec maintenance Port (For qualified engineering usage)
7. Auxiliary HDMI Input (Designated for PC Connection)
8. Auxiliary HDMI Input (Designated for Horus Scope usage)
9. Auxiliary Microphone Input
10. RJ45 Connection for optional Cisco Touch 10 control panel

Figure 13 - CLINiC 12x Audio Ports on Integrated Control Panel

Description:

1. Headphones Audio Output

2. Electronic Stethoscope Audio Input

Getting Started

Powering On and Off

.

Powering On the CLINiC

Connect the peripherals to the HDMI port(s) of the CLINiC before connecting the CLINiC to AC power.

To power on the CLINiC:

- Connect the CLINiC to AC power. This will automatically power on the codec, camera, display and control unit of the CLINiC. A splash screen is displayed within several seconds.

- There is a codec power indicator set inside the rear chassis of the system that can be used to confirm AC connectivity and codec operation, if needed.

Figure 14 – Rear Codec Power Indicator

Placing the CLINiC in Standby Mode

The system goes into standby mode after two hours with no activity. This value can be changed from the web interface to the codec (see section under *CLINiC Administration*).

Waking Up the CLINiC

To wake up the CLINiC:

- Press any button on the integrated control panel.
- The CLINiC will automatically wake up when an Incoming call is received
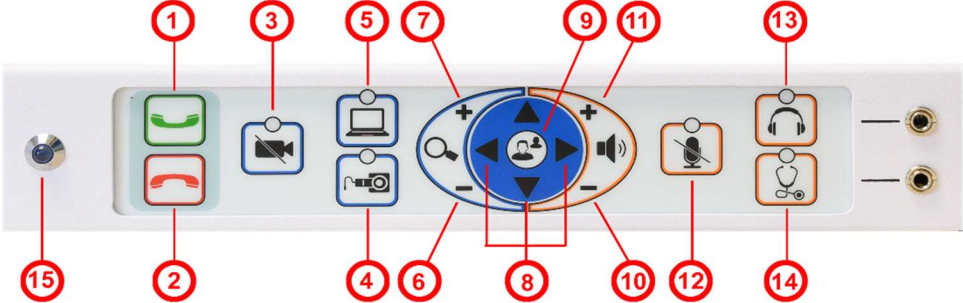
Powering Off the CLINiC

Powering off the CLINiC is typically unnecessary. Most video endpoints remain connected to the network and in stand-by mode until a call is placed or received. If you need to move the CLINiC to a different location, simply disconnect and re-connect the AC power, as needed.

Control Panel Functions

The CLINiC control panel buttons and associated functions are described below:

Figure 15 – Control Panel Functions

Description:

1. Answer incoming call/place call to defined contact. (See CLINiC Administration)
2. End or reject call
   - Secondary function; press and hold for 5 seconds then release to temporarily display codec information on screen
3. Enable video privacy from the CLINiC camera during a call, or revert to normal video transmission. Video from a connected PC, medical video device, or other video peripheral will still be shown to local and remote participants.
4. Display and transmit images and data from connected peripheral device connected to side HDMI port designated with Horus Scope symbol. By default, pressing this button displays the images and data of peripheral device connected.
5. Display and transmit images and data from connected peripheral device connected to side HDMI port designated with PC symbol. By default, pressing this button displays the images and data of peripheral device connected.
6. Zoom camera out.
7. Zoom camera in.
8. Pan and tilt the camera
   - Secondary function: moves self-view PIP around the screen when PIP mode is activated.
9. Enable or disable self-view mode
   - Secondary function: press and hold for 5 seconds then release to enter PIP location mode – press second time to clear PIP location function
10. Decrease speaker volume.
11. Increase speaker volume
12. Mute or unmute microphone.
13. Enable or disable headphone mode for private listening.
14. Enable or disable stethoscope mode.
15. "On Air" Indicator – Illuminates when system is in an active call

Managing Calls

This section describes how to manage calls by using the integrated control panel. For instructions on how to manage calls using the optional Cisco Touch 10 Control Panel, please refer to the *Cisco Webex Codec User Guide:*

https://www.cisco.com/c/dam/en/us/td/docs/telepresence/endpoint/ce98/touch10-sx10-sx20-sx80-mx200g2-mx300g2-mx700-mx800-room-kit-user-guide-ce98.pdf

NOTE: If you are managing the Cisco Webex Room Kit Plus Codec integrated into the CLINiC using Cisco Unified Communications Manager (CallManager) or TelePresence Management Suite (TMS), please ensure that the template used for the codec has the **Serial Port Login Required** set to **Disabled**.

Answering a Call

The default behavior of the CLINiC is to answer all incoming calls automatically.

This behavior can be changed from the web interface to the codec (see *Change Conference Settings* under *CLINiC Administration*).

The **Connect** control is used to make a call and accept an incoming call. You may place a call to a pre-defined address. Before you can place a call to an address, it must be added in the codec as a favorite contact, see

under *CLINiC Administration.* If the system is not in auto-answer, the connect

The **Hang Up** control is used to end a call. If the system is not in auto answer mode, then the Hang Up control can be used to reject an incoming call from a remote site.

Managing Video Settings

This section describes how to manage video settings by using the integrated control panel. For instructions on how to manage video settings please refer to the *Cisco Webex Codec plus Administrator Guide:*

https://www.cisco.com/c/en/us/support/collaboration-endpoints/spark-room-kit-series/products-maintenance-guides-list.html

Enabling and Disabling Video Privacy Mode

Video Privacy selection stops the image from the system main camera being transmitted to the remote site. A second selection resumes the camera transmission. Video from a connected PC, medical video device, or other video peripheral will still be shown to local and remote participants. When Video Privacy is active, the LED associated with this control will illuminate

System Camera Reset Function

If the system is cart mounted, when moving from one location to another the camera can be jolted out of position such that it is not aware of where it is pointing. In this event, the camera can be reset by selecting and Holding the Video Privacy control for 5 seconds. The camera will then go through a short reset routine and resume normal pan/tilt operation.

Main Camera Pan/Tilt and Zoom Functions

The Arrow keys control the main system camera up/down/left/right movement

The main system camera zoom in and out functions are controlled by the + and - signs

Enabling and Disabling Self-View Mode

Self -View selection brings up a small window on the main screen showing the image being transmitted from the main system camera. A second selection removes the self-view window.

Self-View Mode Image Location "PIP Location Mode"

Pressing and holding the **Self -View** control for 5 seconds, then releasing, activates the PIP location mode which is indicated by an on screen message: *Use the arrows to move the pip, press the 'self view' button to exit*

The arrow keys can now be used to move the self-view PIP to the required location on the screen.

A second selection of the Self-View control will turn off the on-screen message and the PIP will stay in the selected location every time self-view is activated

Sharing Content from Connected Devices

Transmit PC sends the image from a connected PC or HDMI device to the remote site as a second image in conjunction with the main system camera. The image will automatically be shown as a window on the main screen. To end transmission, select the control again or select the Horus Scope input, which will replace the PC image with the Horus Scope image. When the PC transmission is active, the LED associated with this control will illuminate

Transmit Horus Scope sends the image from a connected Horus Scope or HDMI device to the remote site as a second image in conjunction with the main system camera. The image will automatically be shown as a window on the main screen. To end transmission, select the control again or select the transmit PC input, which will replace the Horus Scope image with the PC image. When the Horus Scope transmission is active, the LED associated with this control will illuminate

Managing Audio Settings

This section describes how to manage audio settings by using the integrated control panel. For instructions on how to manage audio settings, please refer to the *Cisco Webex Codec plus Administrator Guide:*

https://www.cisco.com/c/en/us/support/collaboration-endpoints/spark-room-kit-series/products-maintenance-guides-list.html

Enabling and Disabling Microphone Mute Mode

Microphone Mute selection stops the room audio from being transmitted to the remote site and the LED indicator illuminates. A second selection resumes the room audio transmission. This function mutes both the integrated microphone and optional auxiliary Cisco microphone, if connected, but does not affect transmission of an electronic stethoscope.

Adjusting Speaker and Headphone Volume
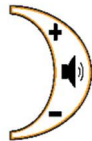
The volume functions are controlled by the + and – signs. A volume indicator bar is displayed on the top right hand side of the screen indicating the volume level

Enabling and Disabling Headphone Operation

The remote site audio is always available through both the system speakers and available for listening using connected headphones. By activation of the Headphone mode, the audio is only available through connected headphones for private listening. On activation, the associated LED illuminates above the control button.

Enabling and Disabling Stethoscope Mode

Stethoscope Mode optimizes audio transmission of the stethoscope signal connected to the stethoscope audio input, while automatically muting the internal system microphone and auxiliary Cisco microphone, if connected, to minimize room audio interference. If it is required to transmit the microphone(s) as well as the stethoscope, select the microphone mute button to "un-mute" the microphones. In Stethoscope Mode, the stethoscope signal is only sent to the remote end and will not play through the speakers. On activation, the associated LED illuminates above the control button.

CLINiC Administration

You can modify the default functions of the CLINiC codec by logging in as an administrator to the codec web interface and performing the desired changes.

For the complete set of instructions, please refer to the *Cisco Webex Codec plus Administrator Guide:*

https://www.cisco.com/c/en/us/support/collaboration-endpoints/spark-room-kit-series/products-maintenance-guides-list.html

Accessing the Codec Web Interface

To access the web interface:

1. In your web browser address line, enter the system IP address, for example, `http://10.11.12.13.`

   To display the system IP address, press and hold the Hang Up button on the CLINiC control panel for 5 seconds or more, and then release. This will display the system information on the CLINiC screen, including the system IP address.

2. Enter the Admin ID as the user name (default is: `admin`), and enter the Admin Remote Access Password, if one is set.

3. The Admin screen can now be used to navigate through the menus to the required location to change a setting, as outlined in the following pages.

4. It is important that after any changes to the configuration are made these are saved using the **SAVE** button in the top right hand corner
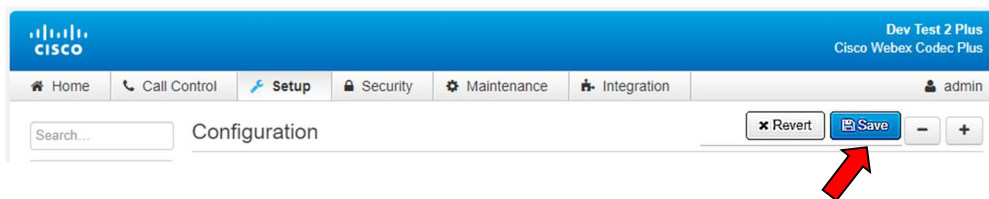
Change Standby Settings

The default system configuration goes into standby mode after two hours with no activity. You can change this setting to disable standby mode or change the delay after which the system goes into standby.

To change standby settings, navigate to **Setup>System Configuration>Standby.**

To disable stand-by mode: Set **Standby Control** to **Off**. ①

To enable stand-by mode: Set **Standby Control** to **On** and set a Standby delay time

Set Standby Delay: Input the required number of minutes between 1 and 480. ②

Save Configuration changes: Select **Save** ③

Change Conference Settings

The default setting is set for the CLINiC to auto answer incoming calls. This can be changed to manual answering using the connect button on the system control panel

To change conference call settings, navigate to Setup>Configuration>Conference.

To Disable Auto Answering of Incoming Calls: Set **AutoAnswer Mode** to **Off**. ①

To Enable Auto Answering of Incoming Calls: Set **AutoAnswer Mode** to **On**.

Save Configuration changes: Select **Save** ②

System Auto-Dial

A single contact can be auto-dialed from the CLINiC using the connect key

To add an auto-dial contact, navigate to Setup>Configuration>Facility/Service.

Locate Service 5 and select Call Type: Video ① + ②

Input a identifying User name and associated URL ③ + ④

Select Type: Other ⑤

Select: Save ⑥

Adjusting Audio Level

You can adjust the level of each audio input transmitted from the codec to optimize the audio experience at the remote end.

To adjust individual audio level inputs, navigate to: *Setup>Configuration>Audio*

(Suggested changes and adjustments screen shot is shown on following page)

Microphone 1: *Integrated System Microphone (Default value:18)* ***Adjust as required*** ①

Set Mode to: ON ②

Set Dereverberation to: OFF ③

Mode to: ON ④

Noise Reduction to: ON ⑤

Microphone 2: *Electronic Stethoscope Input (Default value:18)* ***Adjust as required*** ①

Set Mode to: OFF ②

Set Dereverberation to: OFF ③

Mode to: OFF ④

Noise Reduction to: OFF ⑤

Microphone 3: *Auxiliary Microphone Input (Default value:18)* ***Adjust as required*** ①

Set Mode to: ON ②

Set Dereverberation to: OFF ③

Mode to: ON ④

Noise Reduction to: ON ⑤
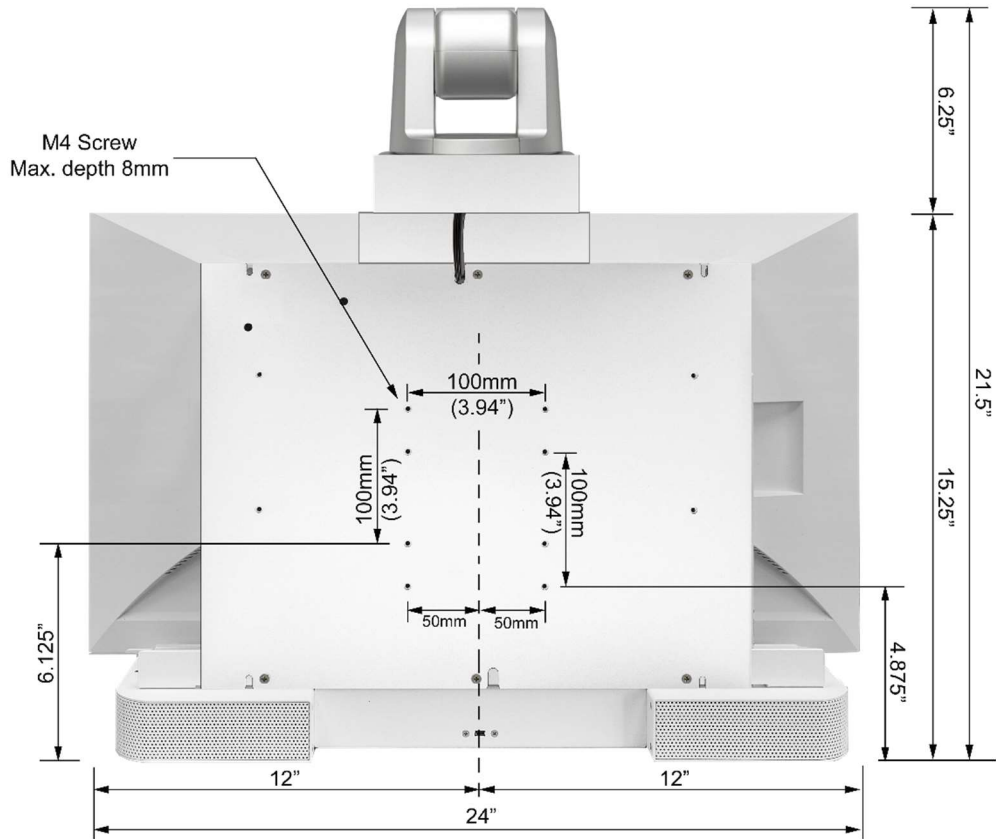
Following changes to any levels or settings, Select: SAVE ⑥

Appendix.1. - Mounting Information

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

Figure 16 – CLINiC 12x rear view mounting holes

Appendix.2. – Tethered Remote Volume Control

For specific applications, the CLINiC can be wall mounted at high level making it difficult to reach the Tactile Membrane control panel. Generally, in these circumstances, the system is set to auto-answer and the camera is controlled from the remote location. The only local room user controls that are required are Volume adjustments for which an optional Tethered Remote Control is available.

The Tethered Remote Volume control has a volume up and down button, which when pressed, raises or lowers the volume until the button is released. A volume indicator bar is displayed on the top right hand side of the screen showing the volume level when either of the + or – keys are being pressed.

Figure 17 – Tethered Remote Volume Control

Camera Reset Function

In locations where the CLINiC system is mounted at high level when the system is being cleaned, it is possible that the camera can be jolted out of position such that it is not aware of where it is pointing. In this event, the camera can be reset by selecting and Holding both the Volume + and Volume – buttons simultaneously for 5 seconds. The camera will then go through a short reset routine and resume normal pan/tilt operation.

Connecting Tethered Volume Remote to CLINiC System

The Tethered Remote is connected to a USB port on the left hand side of the CLINiC. Prior to connection, it is necessary to simply pull out the cover plate that is fitted over the USB port.

As the Volume control is tethered and uses a Tactile Membrane panel, it does not require batteries, is not easily lost or misplaced and can easily be cleaned.

Figure 18 – Connecting the Tethered Remote Volume Control

Specifications

Videoconferencing	
Codec	Cisco Webex Room Kit Plus codec
Camera	Sony SRG-120DU camera 12x optical/12x digital zoom

Display	
Type	27" IPS LED
Native Resolution	2560 x 1440
Viewing Angle	178°
Response Time	5 ms

Control	
Tactile Control Panel	- AutoDial/Connect - Disconnect - Camera Pan/Tilt/Zoom - Self-View (Secondar Function: Display Layout - Camera Mute (with LED indicator) - Microphone Mute (with LED indicator) - PC Source Selection (with LED indicator) - Horus Scope Source Selection (with LED indicator) - Volume Up/Down - Stethoscope Mode (with LED indicator) - Headphone Mode (with LED indicator) "On-Air" LED Indicator
Remote Control Port	RJ45 for optional Cisco Touch 10 Control panel
Auxiliary Ports	- DB9 expansion control port (for future use) - Dual USB 3 Ports on display for powering optional accessories - System USB 3 Port (Supplied with blanking cover – Future use) - Codec maintenance Port (For qualified engineering usage)

Network	
	1 x 10/100/1G Ethernet - Wi-Fi capable (Requires optional Cisco Touch 10 controller to configure)

Video Input/Output	
Input	Sony SRG-120DH camera 12x optical/12x digital zoom
	1 x HDMI designated for PC Input
	1 x HDMI designated for Horus Scope Input
Output	1 x HDMI (dedicated to display)

Audio Input/Output	
Input	Integrated microphone
	1 x 3.5mm 3 pole, front mounted, for electronic stethoscope
	1 x 3.5mm 4 pole includes phantom power for Auxiliary Cisco Microphone
Output	Integrated stereo speakers; 2 x 5 Watts
	1 x 3.5mm (for headphone)

Dimensions	
	• 24" Wide • 21" High (Includes camera. Detachable speaker deflector adds 1.25") • 5.5" Deep (Chassis only) 8" Deep with 12x Camera Installed

Weight	
	28.7 lbs.

Mounting	
	Compatible with 100mm x 100mm VESA mounts (refer to the Appendix for mounting hole location and required hardware)

Electrical	
	100-120V~ 60Hz, 1.7A Integrated auto sensing power supply 1 x IEC type inlet

2303 Dulles Station Boulevard, Suite 400
Herndon, VA 20171

Toll: 800.338.8866
Tel: 703.279.3000

www.ironbowhealthcare.com