

Multilab Series 2 Roodra Installation Guide

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Roodra (Standard Option):

Step 1: Unpacking the MultiLab Series 2 Roodra

Remove the external strapping from around the shipping box. Remove the top from the box. Cut the tape keeping the box together and remove the outer shipping box from the wooden shipping pallet. See **Figure 1** for reference.

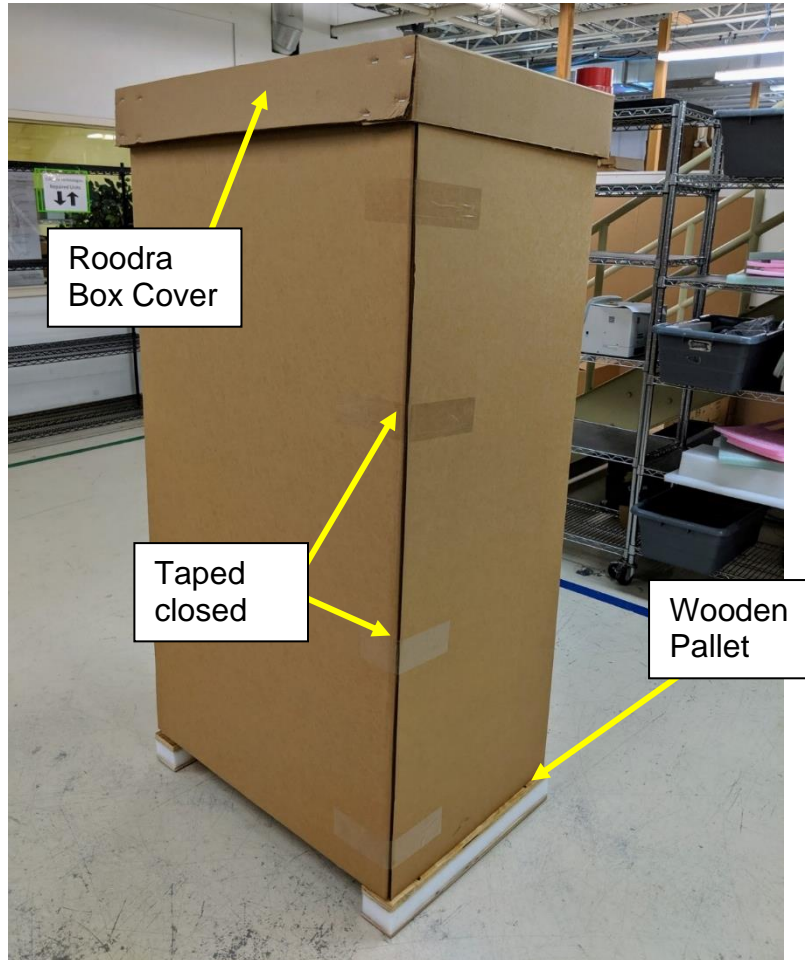


Figure 1

Careful remove the shrink film from around the cart to remove the computer box, chassis box, printer box, and basket box from the cart. Note: the printer and basket are optional accessories so they may not be included. See **Figure 2** for reference.

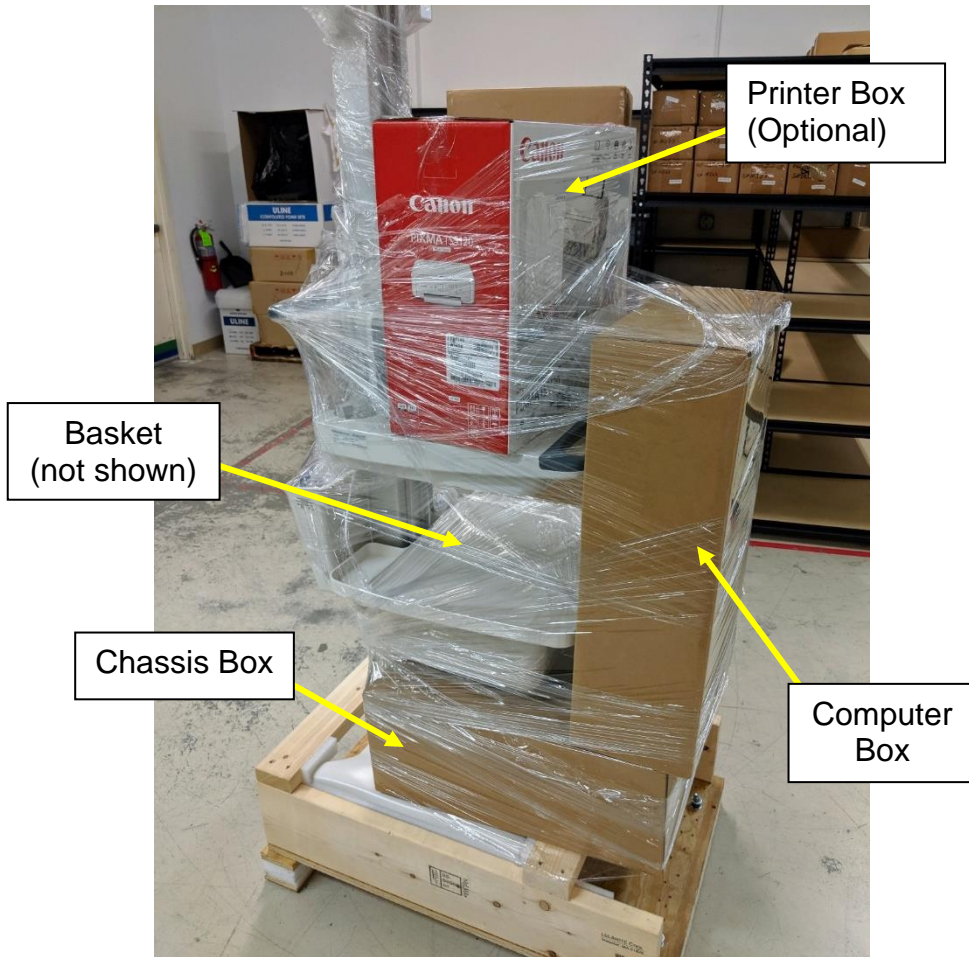


Figure 2

Remove the wrapping from the cable sets. See **Figure 3** and **Figure 4** for reference.





Figure 4

Remove the wooden restraining strap from the front of the pallet by removing the 4 Philips head screws. A power screwdriver is advisable for removal. See **Figure 5** for reference.

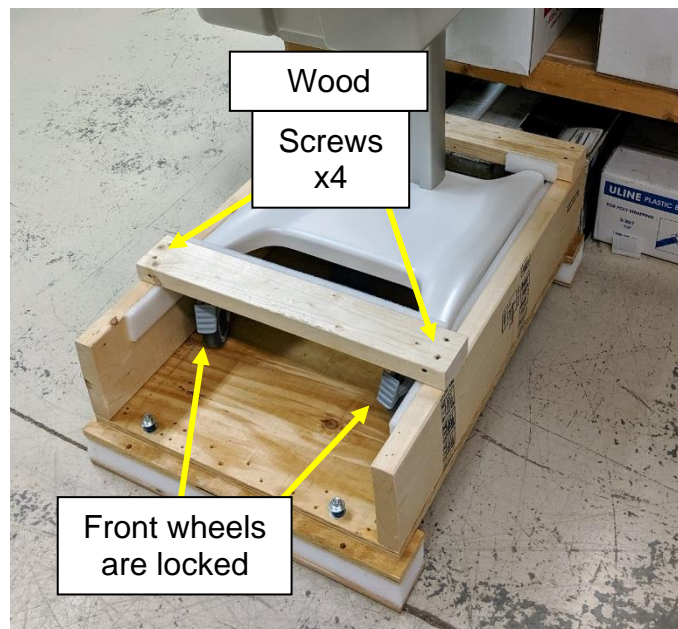


Figure 5

Unlock the front two wheels and carefully remove the cart off the wooden pallet.

Before commencing with the assembly and attachment of the accessories, we request that you take a pre check of all the items listed below. **Note: This is a comprehensive list and some items are optional, please confirm with your packing list to see what items you should have.**

Part Number	Description	Qty
11982-0000-01	Roodra Cart Assembly	1
11983-0000-01	Roodra Chassis	1
10353-0004-01	Touch Panel Computer	1
10304-0006-01	Keyboard	1
11966-0000-01	Bleed Valves	2
11980-0000-01	Left Hose Set	1
11981-0000-01	Right Hose Set	1
11938-0000-01	Left PPG	1
11939-0000-01	Right PPG	1
11928-0000-01	Left Finger Clip	1
11929-0000-01	Right Finger Clip	1
11930-0000-01	Doppler Cable	1
10628-0001-01	Ultrasonic Doppler Gel	1
10383-0001-01	USB Flash Drive	1
10377-0000-01	Remote Control	1
40001-1005-01	Doppler / PPG Holder	1
10635-0001-01	Double Sided Tape	1
11309-0000-01	Operators Manual	1
11309-0001-01	Installation Guide	1
10339-0007-04	Daigle Vascular & CME Manual	1
F03 01	Acknowledgment of Acceptance	1
Optional Items		
11962-0000-01	5 MHz Doppler Probe	1
11963-0000-01	8 MHz Doppler Probe	1
11990-0000-01	Cuff Set A	1
11991-0000-01	Cuff Set B	1
10329-0011-01	Printer	1
10308-0000-01	Wireless USB Adapter	1
10638-0000-01	Deskjet Paper	1
10679-0010-10	Cart Basket	1
10679-0010-05	Display Arm	1
10353-0004-02	Computer Batteries	3
11951-0000-01	Temp Gun	1
10346-0000-01	Temp Gun Cable	1

Once you have confirmed the contents, you will be ready to proceed with the assembly.

Step 2: Install the Touch Panel Computer

Open the Touch Panel Computer box and remove the top foam. If the order comes with computer batteries, they will be here, so remove them out from foam and set them aside for later install. See **Figure 6** for reference.

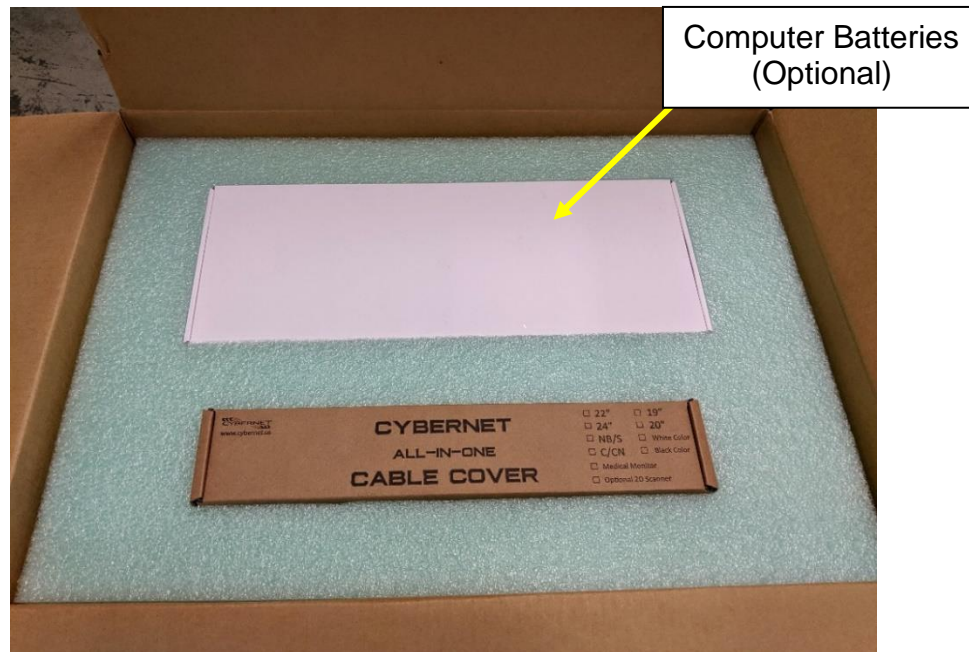


Figure 6

Underneath the second layer of foam will be the Touch Panel Computer, remove the computer from the foam and plastic and remove the 4 Phillips head screws from the back of the computer. Using those 4 screws, attach the Touch Panel Computer to the display mount (or display arm if applicable) on the cart assembly. See **Figure 7** for reference.

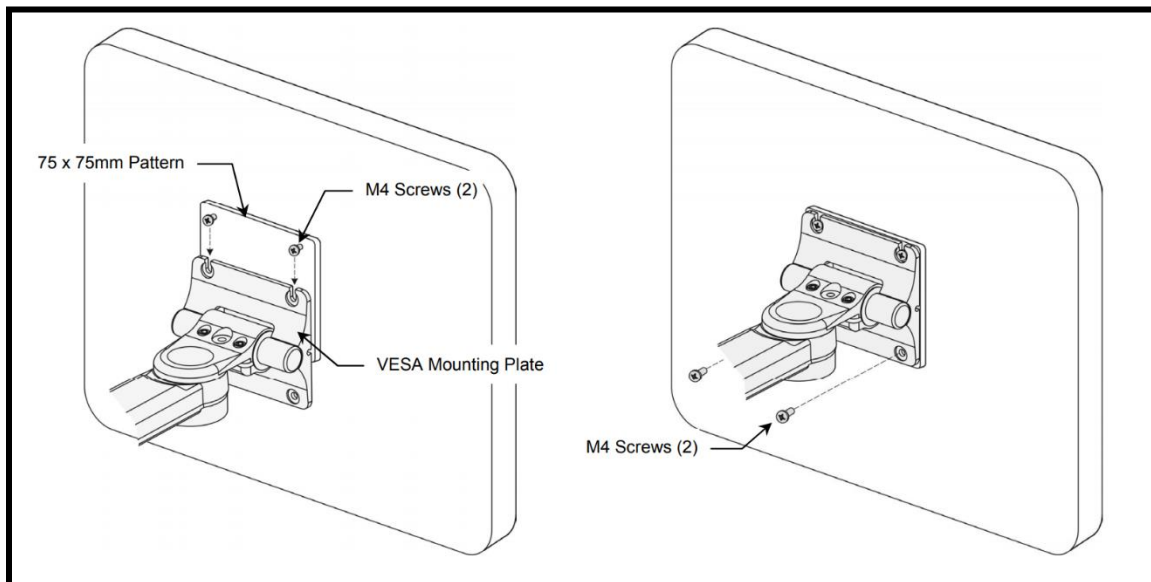


Figure 7

Once the computer is mounted connect the power cable, USB keyboard, network cable and USB Cable to the appropriate ports. See **Figure 8** for reference.

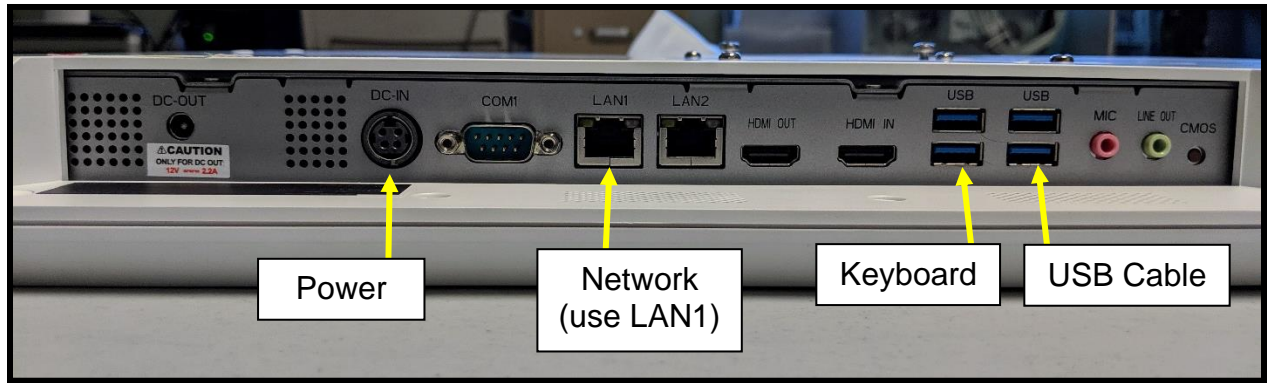


Figure 8

If your order has the display arm option, use **Figure 9**, **Figure 10** and **Figure 11** to adjust the tension if necessary.

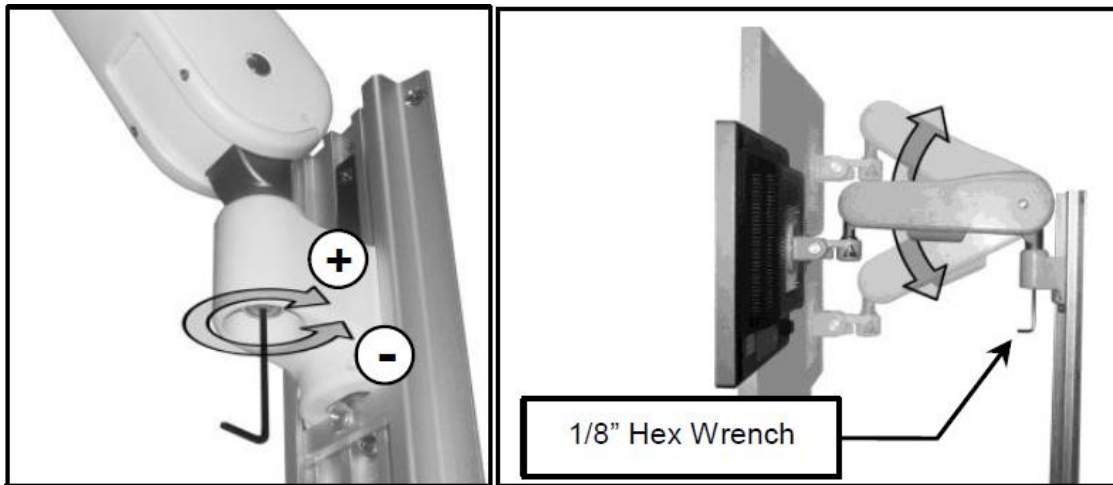


Figure 9 – Counterbalance Adjustment

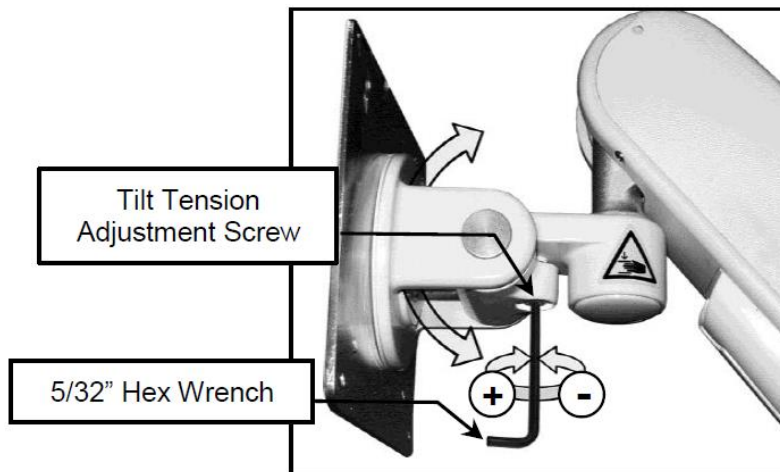


Figure 10 – Tilt Adjustment

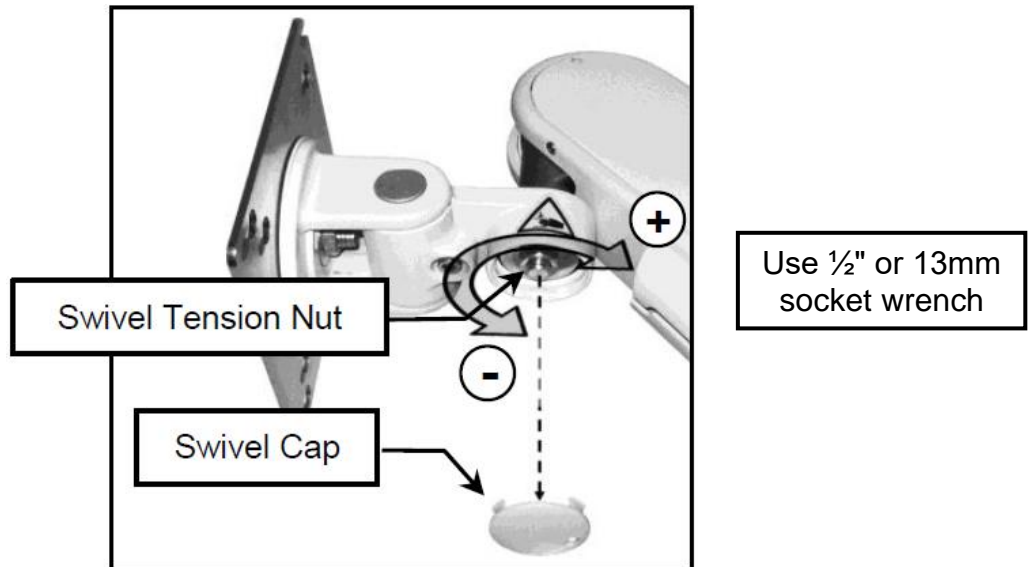


Figure 11 – Swivel Tension Adjustment

Step 3: Install Roodra Chassis

Open the chassis box and remove the chassis from the foam and plastic. Place the chassis on top of the storage drawer as shown in **Figure 12**.

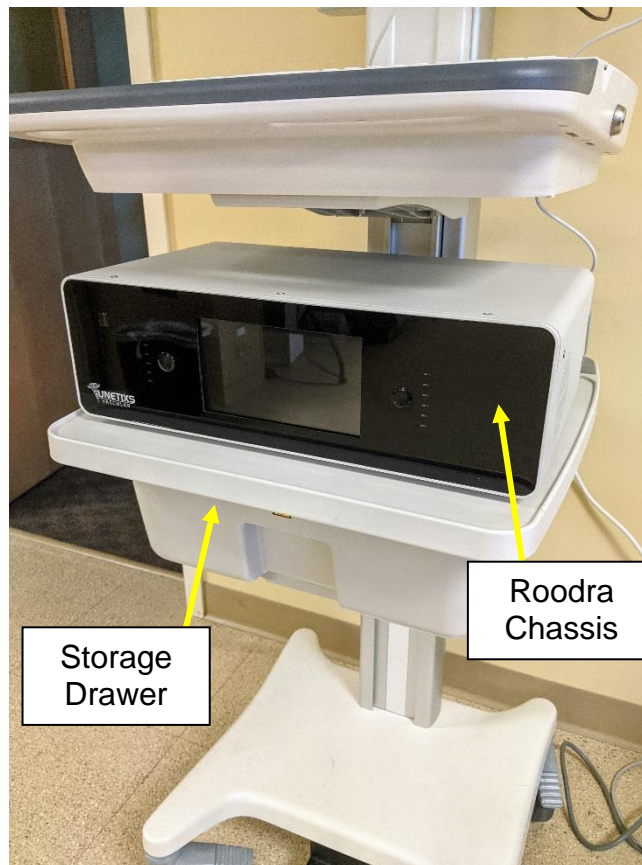


Figure 12

Attach the power cable and USB Cable to the back of the chassis as shown in **Figure 13** and **Figure 14**.

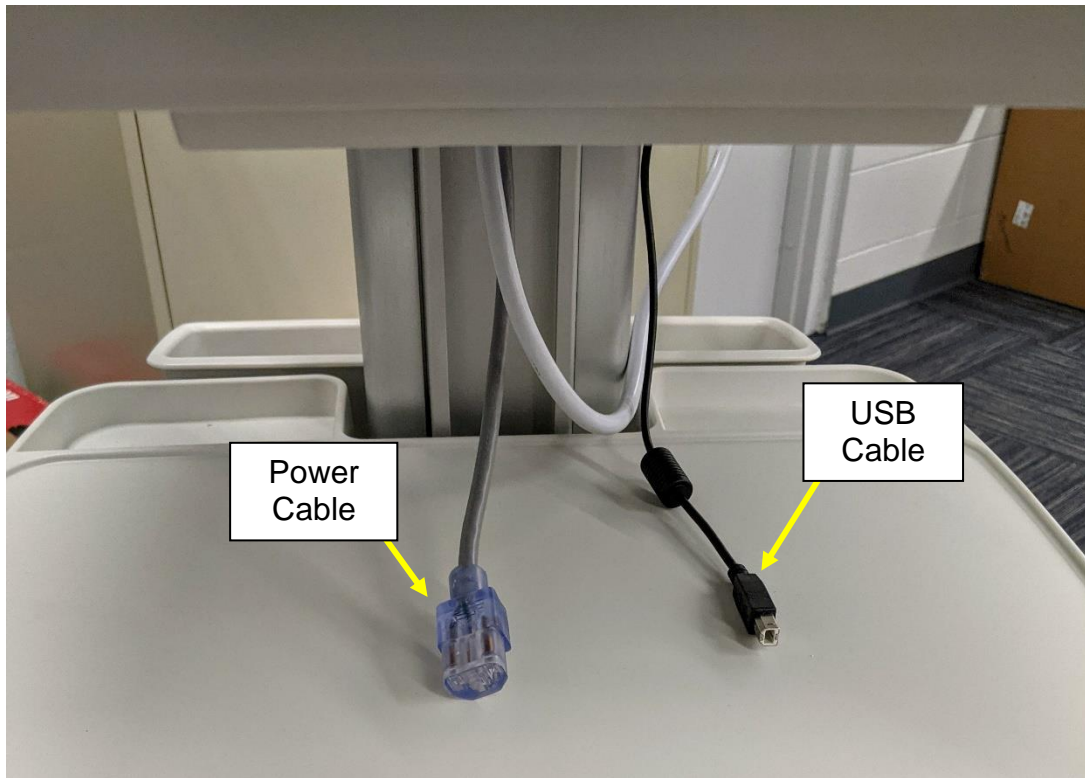


Figure 13

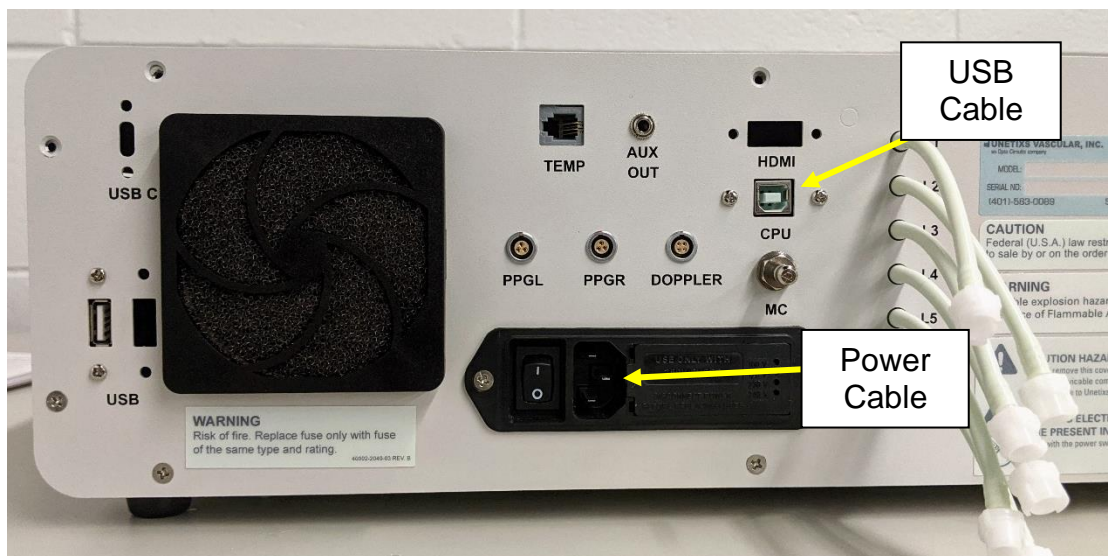


Figure 14

Step 4: Computer Batteries Install (Optional)

If your order comes with the backup batteries for the Touch Panel Computer, remove the 3 batteries from their packaging and install them into the battery bays located along the top of the Touch Panel Computer as shown in **Figure 15**.

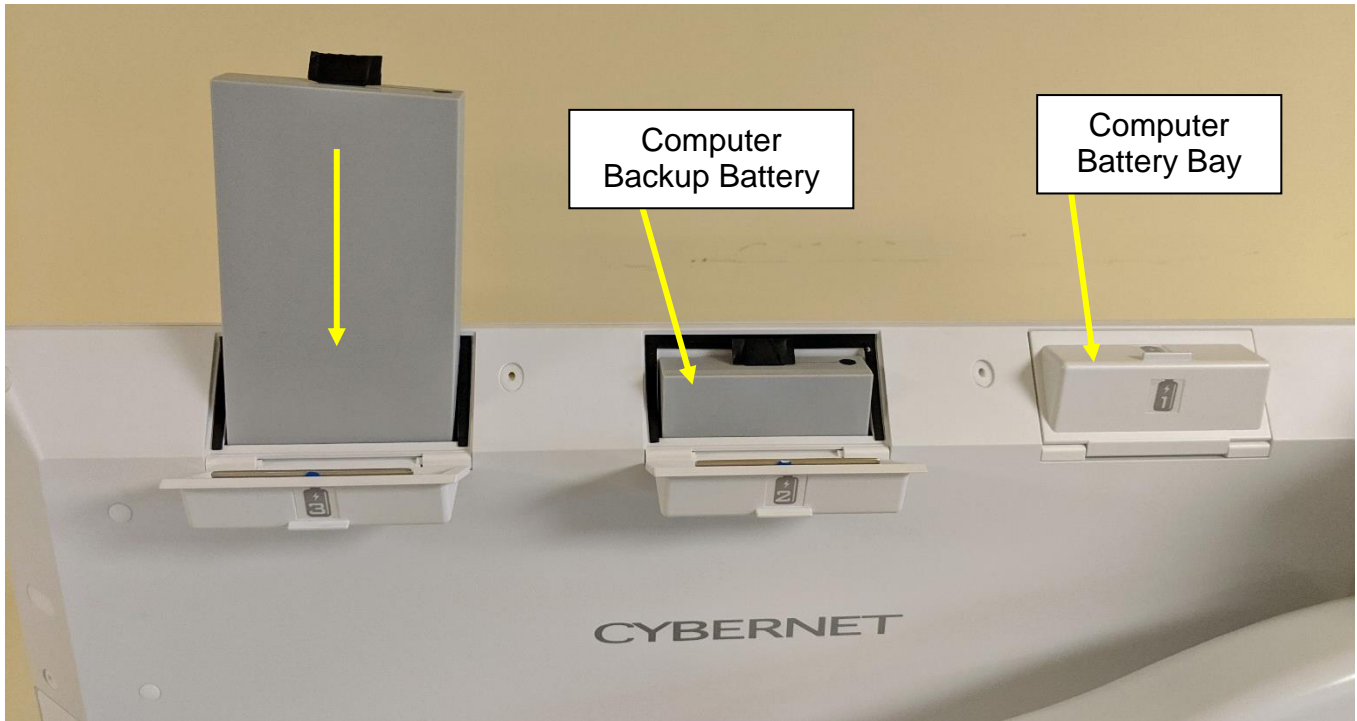


Figure 15

Step 5: Cart Basket Install (Optional)

If your order comes with the cart basket, remove it from its packaging and then remove the 4 Phillips head screws from the bottom mounting plate located on the back of the cart. See **Figure 16** for reference.



Figure 16

Using those 4 screws, attach the basket to the mounting plate as shown in **Figure 17**.



Figure 17

Step 6: Printer Install (Optional)

If your order comes with a printer, remove it from its packaging and place it in a secure location near the Roodra unit. Follow the guide that comes with the printer and follow the steps to install the ink cartridges and initial setup. If the printer asks to start connection during these steps, select "Do not connect". When you reach the home screen on the printer, you may continue.

Select the **gear icon** from the printer home screen. Select **Settings --- Device Settings --- LAN Settings --- Wireless Direct --- Wireless Direct active/inactive --- ON**. A confirmation screen will appear asking if you want to display the password information, select **Yes**. The list of Wireless Direct settings will then be displayed.

Connect the Roodra unit to a power outlet using the power cord (see Figure 18).

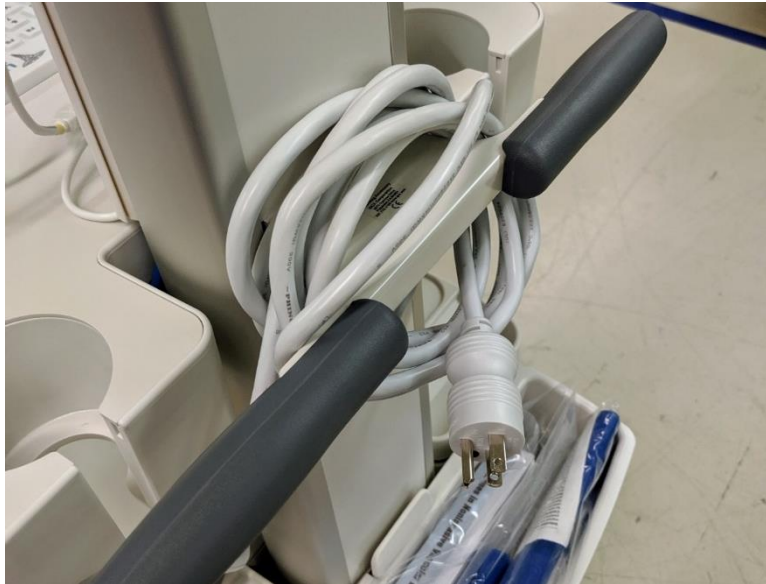


Figure 18

Turn on the Touch Panel Computer. Once the computer has booted, exit the S2 software to reach the desktop. Select the network icon from the and select **Wi-Fi 2** from the drop-down menu as shown in **Figure 19**.

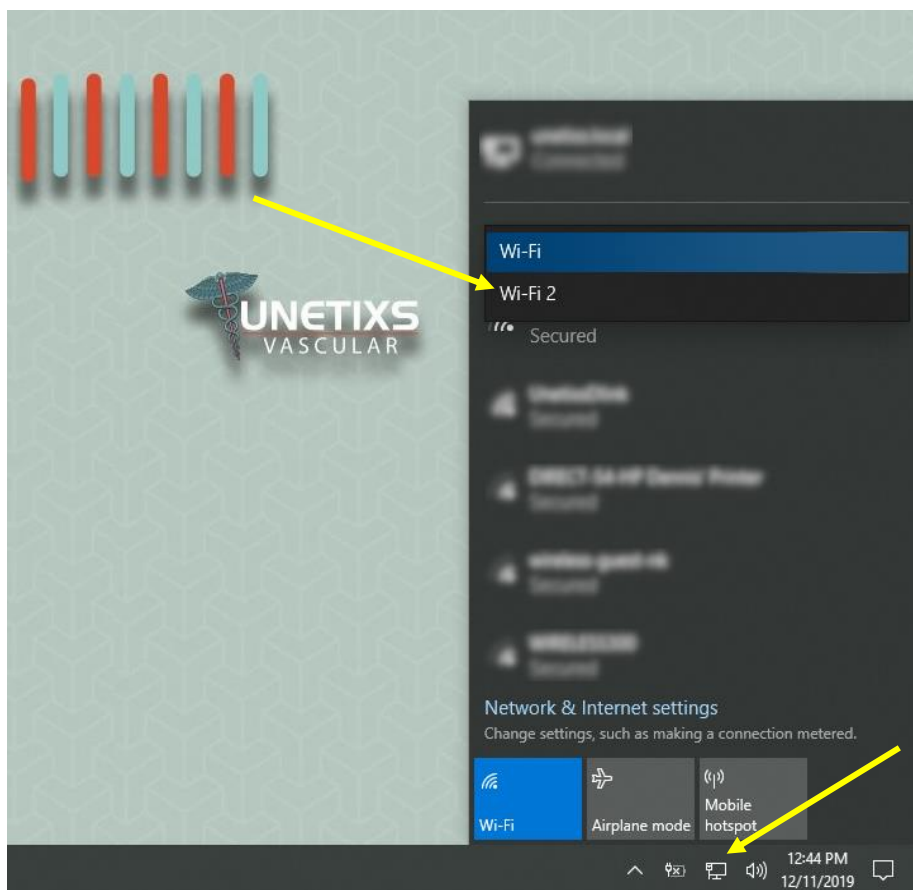


Figure 19

Select the printer from the list of available networks, the name of the printer is listed in the wireless direct settings on the printer itself in the SSID field. The name will be "DIRECT-XXXX-TS5100series" ("X" will be unique alphanumeric characters).

Enter the security key (not a pin), which can be found in the wireless direct settings in the password field. Click **Next** and then select **No** when asked about PC discoverability.

Once connected, select the **Start Icon --- Settings --- Devices --- Printers & scanners**. Click **Add a printer or scanner** and it will begin to search for available printers. When it appears, select the printer and click **add device**. The printer name will be “TS5100 series _XXXXXXX...” (“X” will be unique alphanumeric characters). When the printer is successfully connected, ensure that the box next to “Let Windows manage my default printer” is unchecked. Then click on the Canon printer under “Printers & scanners” and select **manage --- Set as default**.

The printer setup is now complete.

Step 7: Accessories & Vascular Connections

Attach the hoses to the back of the Roodra chassis as shown in **Figure 20**. Take care to connect the hoses by the correct number. Attach the bleed valves to number 6, between the chassis and the hose. Hang the hoses on the hose hanger on top of the cart assembly.

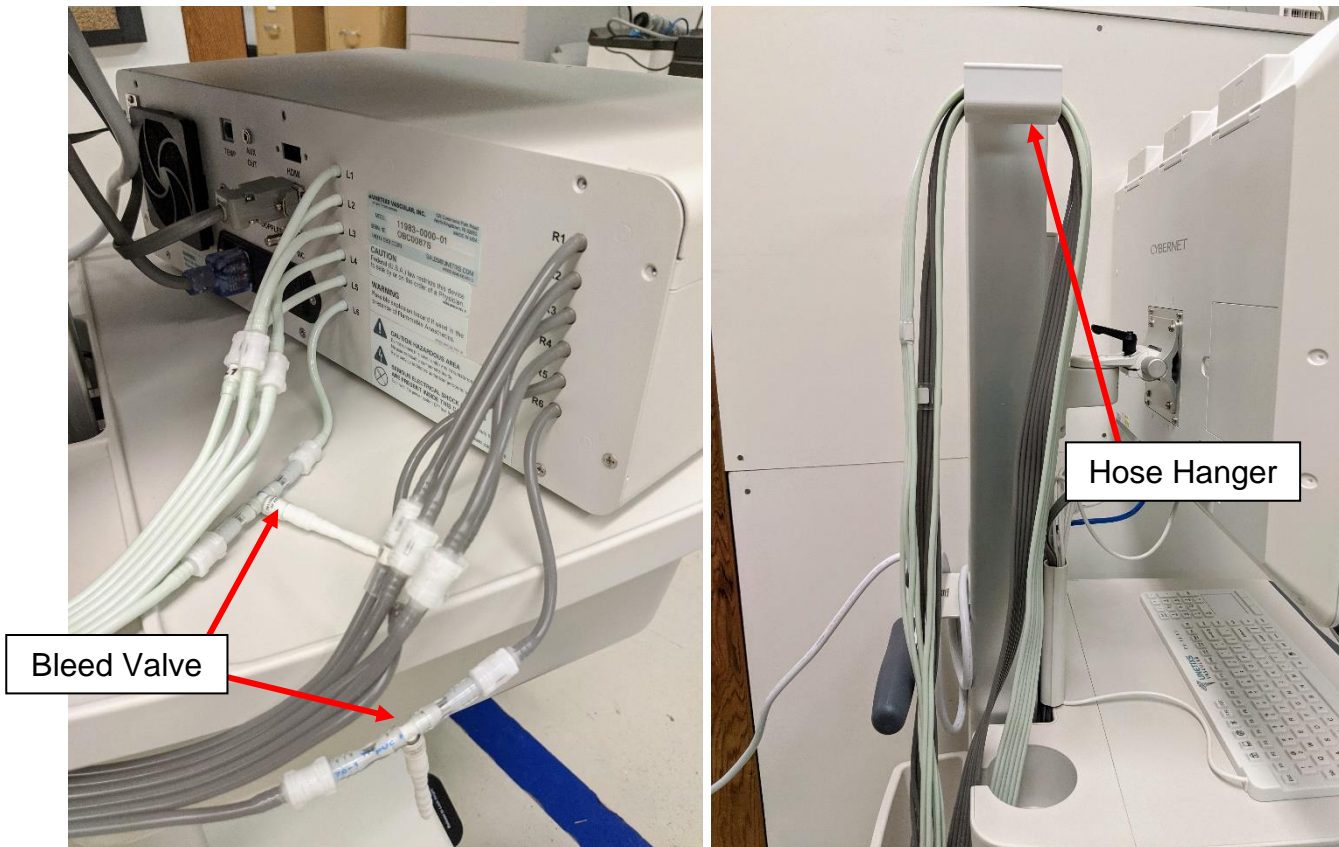


Figure 20

Attach the PPG and Doppler cables to the back of the Roodra chassis as shown in **Figure 21**.

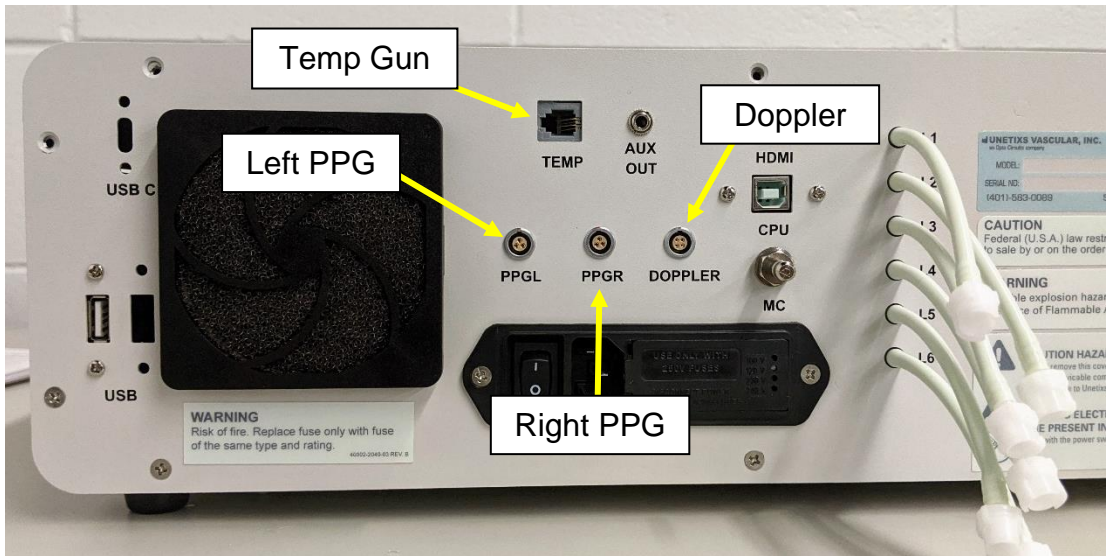


Figure 21

Connect the right and left PPG clips to their appropriate cables/sensors and connect the Doppler to its cable.

Attach the PPG/Doppler holder to a secure position on the cart and attach the Doppler and PPGs to it as shown in **Figure 22**.



Figure 22

Step 8: Powering On

Plug the power cable (see **Figure 18**) into an appropriate power outlet.

Turn on chassis via power switch on the back of the chassis.

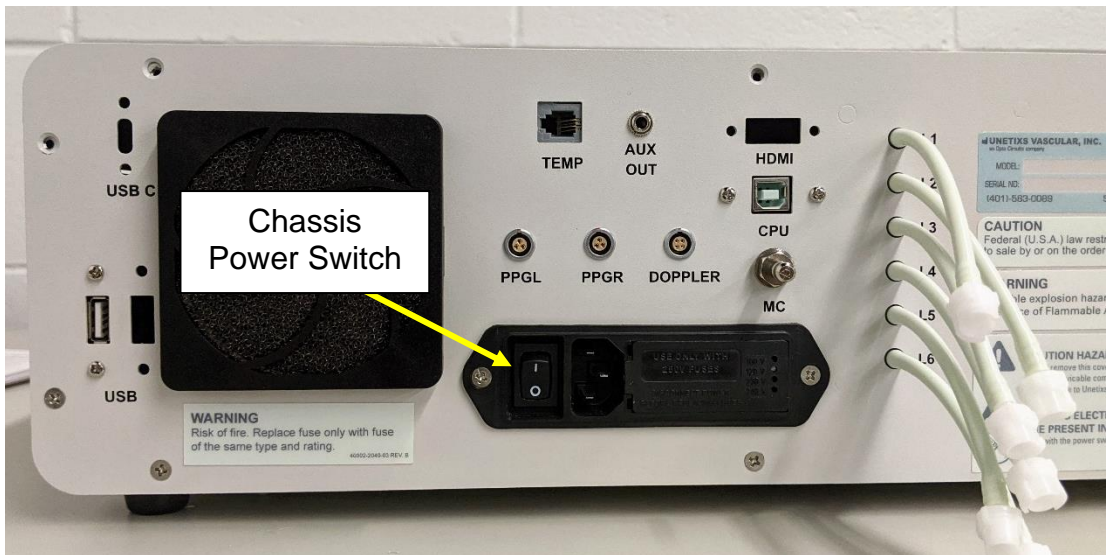


Figure 23

Turn on the computer via power button on the front of the computer.

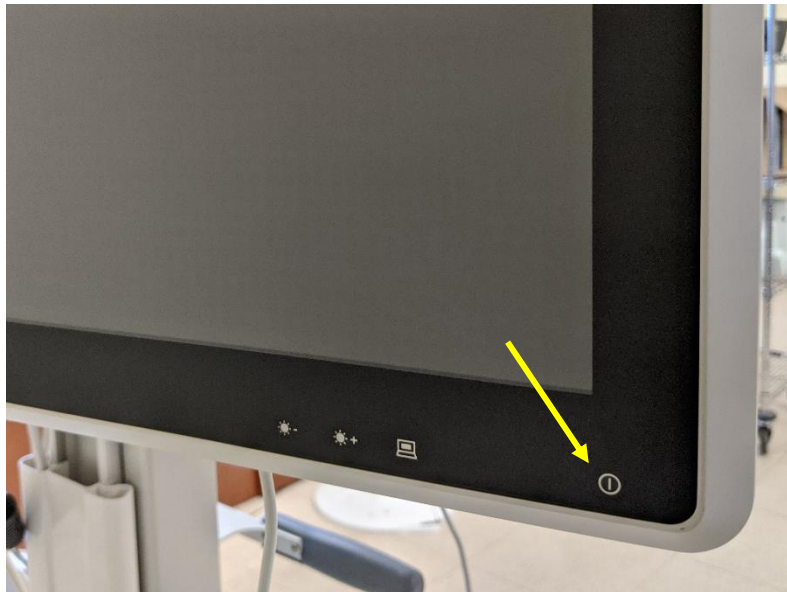


Figure 24

Installation is complete.

Once the assembly, installation and training are completed, the sales representative must fill out the Acknowledgement of Acceptance (F03 01) with the customer's representative and return the completed form to Unetixs.

Roodra (ESA Option):

Step 1: Unpacking

Remove the external strapping from around the shipping box. Remove the top from the box. Cut the tape keeping the box together and remove the outer shipping box from the wooden shipping pallet. Remove the top foam piece.



Figure 25

Carefully remove the shrink film from around the cart to access the computer box, chassis box, accessory box, and cart drawer.

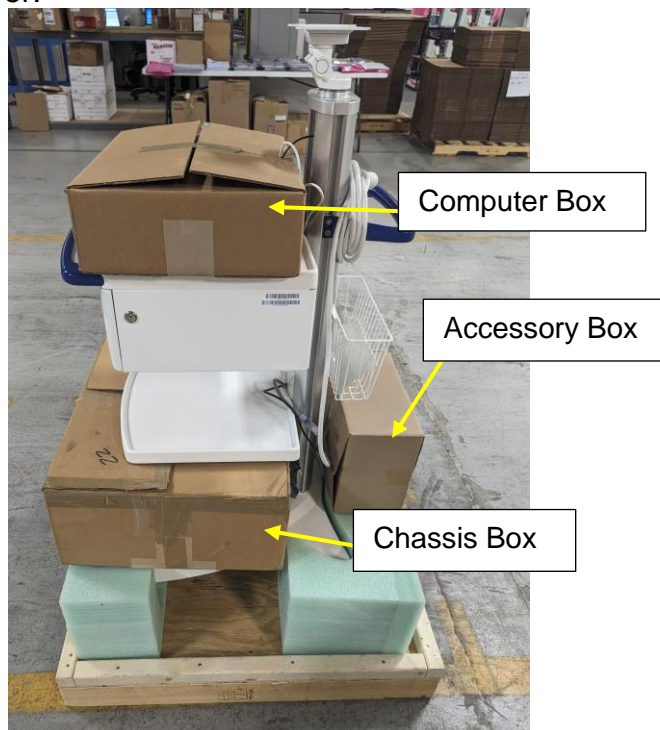


Figure 26

Before commencing with the assembly and attachment of the accessories, we request that you take a pre check of all the items listed below. **Note: This is a comprehensive list and some items are optional, please confirm with your packing list to see what items you should have.**

NOTE: The computer and keyboard are connected to the cart assembly via USB cables so take extra care when removing them from the box.

Part Number	Description	Qty	Location
11976-0000-01	ESA Cart Assembly	1	Skid
11983-0000-01	Roodra Chassis	1	Chassis box
10353-0005-01	Touch Panel Computer	1	Computer box
10304-0006-01	Keyboard	1	Computer box
20095-0020-01	M4 Mounting Screws	4	Computer box
40001-1005-03	Doppler / PPG Holder	1	Computer Box
11966-0000-01	Bleed Valves	2	Cart Drawer
11980-0000-01	Left Hose Set	1	Accessory Box
11981-0000-01	Right Hose Set	1	Accessory Box
11938-0000-01	Left PPG	1	Cart Drawer
11939-0000-01	Right PPG	1	Cart Drawer
11928-0000-01	Left Finger Clip	1	Cart Drawer
11929-0000-01	Right Finger Clip	1	Cart Drawer
11930-0000-01	Doppler Cable	1	Cart Drawer
10628-0001-01	Ultrasonic Doppler Gel	1	Cart Drawer
10383-0001-01	USB Flash Drive	1	Cart Drawer
10377-0000-01	Remote Control	1	Cart Drawer
40002-2047-01	Doppler Gel Holder	1	Cart Drawer
10660-0001-01	Hose Hook	2	Cart Drawer
10635-0001-01	Double Sided Tape	1	Cart Drawer
N/A	Top Channel Cover	1	Cart Drawer
11309-0000-01	Operators Manual	1	Accessory Box
11309-0001-01	Installation Guide	1	Accessory Box
10339-0007-04	Daigle Vascular & CME Manual	1	Accessory Box
F03 01	Acknowledgment of Acceptance	1	Accessory Box
Optional Items			
11962-0000-01	5 MHz Doppler Probe	1	Cart Drawer
11963-0000-01	8 MHz Doppler Probe	1	Cart Drawer
11990-0000-01	Cuff Set A	1	Accessory Box
11991-0000-01	Cuff Set B	1	Accessory Box
10329-0010-01	Printer	1	Printer Box
10326-0006-01	USB Printer Cable	1	Cart Drawer
10638-0000-01	Deskjet Paper	1	Cart Drawer
11951-0000-01	Temp Gun	1	Cart Drawer
10346-0000-01	Temp Gun Cable	1	Cart Drawer

Once you have confirmed the contents, you will be ready to proceed with the assembly.

Step 2: Installing the Computer

Open the computer box and carefully remove the keyboard, bag of mounting screws, and computer from the box.

Mount the computer to the display mounting using the (4) M4 screws provided as shown in **Figure 27**.

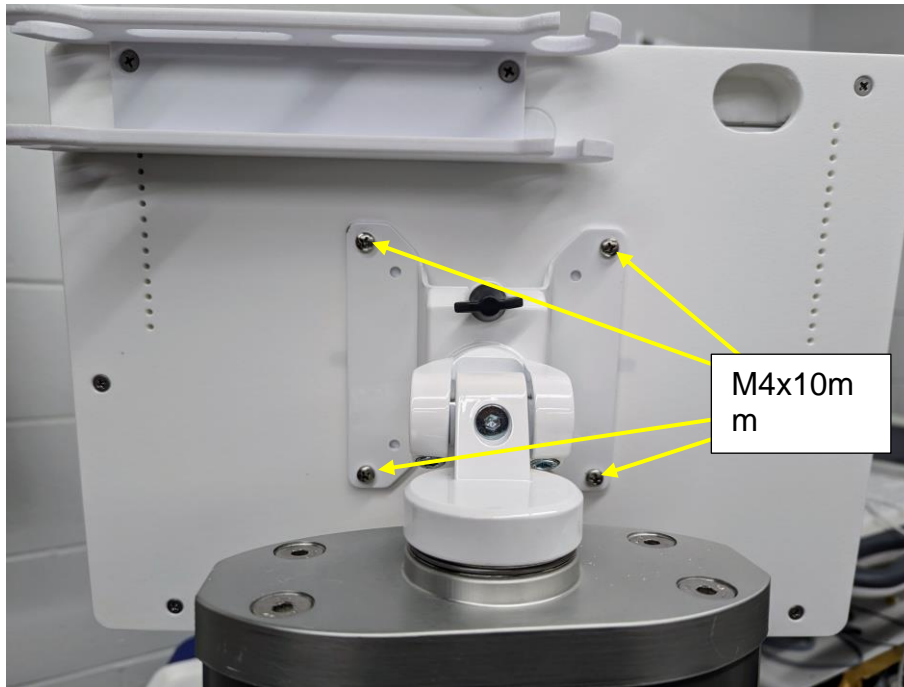


Figure 27

Carefully remove the cart from the foam and the skid.

Place keyboard on top shelf and store excess cable inside the channel. Attach the top channel cover with the USB C cable routed through the top notch and the keyboard cable routed through the bottom notch as shown in **Figure 28**.



Figure 28

Step 3: Installing the Roodra Chassis

Open the chassis box and remove the chassis from the foam and plastic. Place the chassis on the bottom shelf of the cart.

Connect the power cable and the USB cable to the back of the chassis as shown in **Figure 29**.

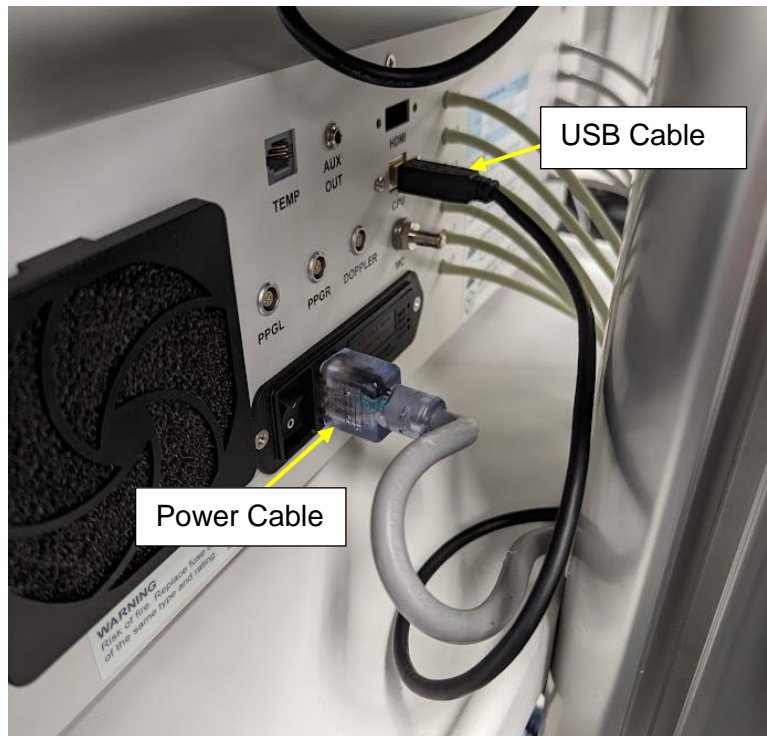


Figure 29

Step 4: Accessories and Vascular Connections

Attach the hoses to the back of the Roodra chassis as shown in **Figure 30**. Take care to connect the hoses to match the corresponding labels on the chassis. Attach the bleed valves to the number 6 hoses, between the chassis and the hose.

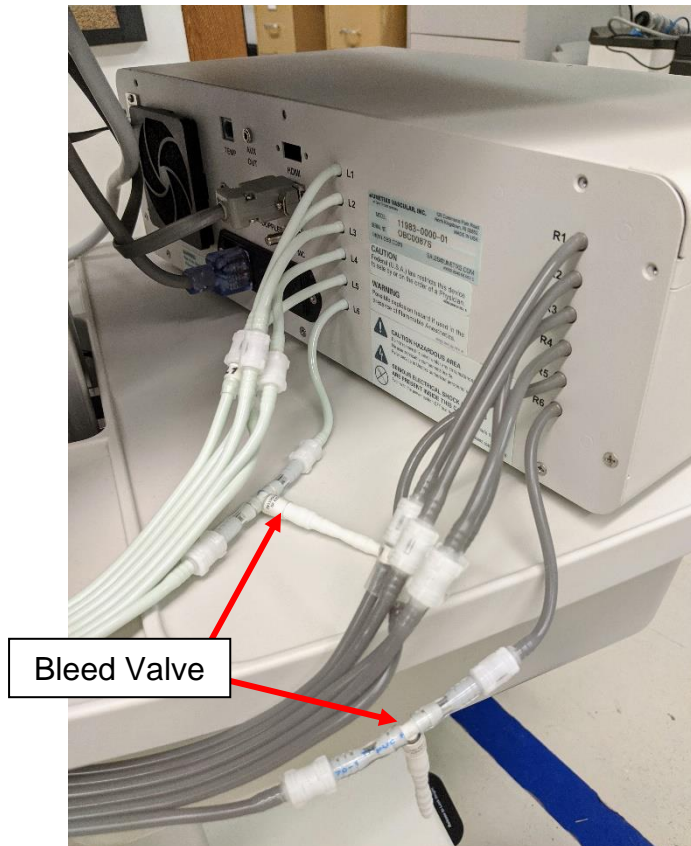


Figure 30

The hose hooks maybe attached to either handle as shown in **Figure 31**.



Figure 31

Attach the PPG and Doppler cables to the back of the Roodra chassis as shown in **Figure 32**. May also connect Temp Gun cable and Temp Gun if available.

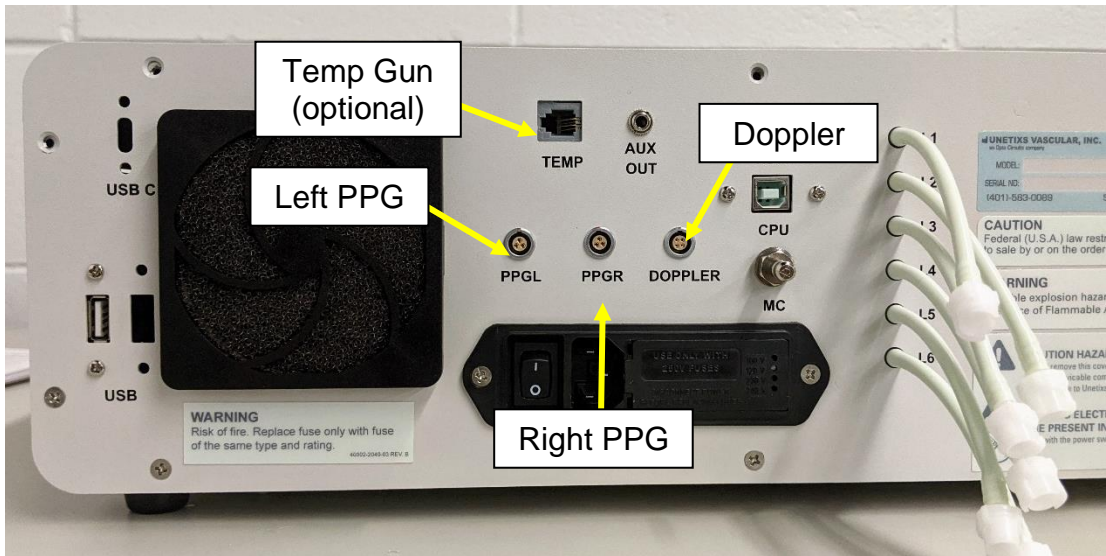


Figure 32

Connect the right and left PPG clips to their appropriate cables/sensors and connect the Doppler probe to its cable.

Attach the Doppler and PPG probes to the Doppler/PPG holder on the back of the computer as shown in **Figure 33**.



Figure 33

Attach the Doppler Gel Holder to the top of the cart using either of the thumbscrews as shown in **Figure 34**.



Figure 34

Step 5: Printer Install (Optional)

If your order comes with a printer, remove it from its packaging and place it in a secure location near the Roodra unit. Follow the guide that comes with the printer and follow the steps to install the ink cartridges.

Take the provide USB Printer cable, connect one end to the printer and the other end to the free USB port on the USB hub of the cart which is located under the drawer as shown in **Figure 35**.

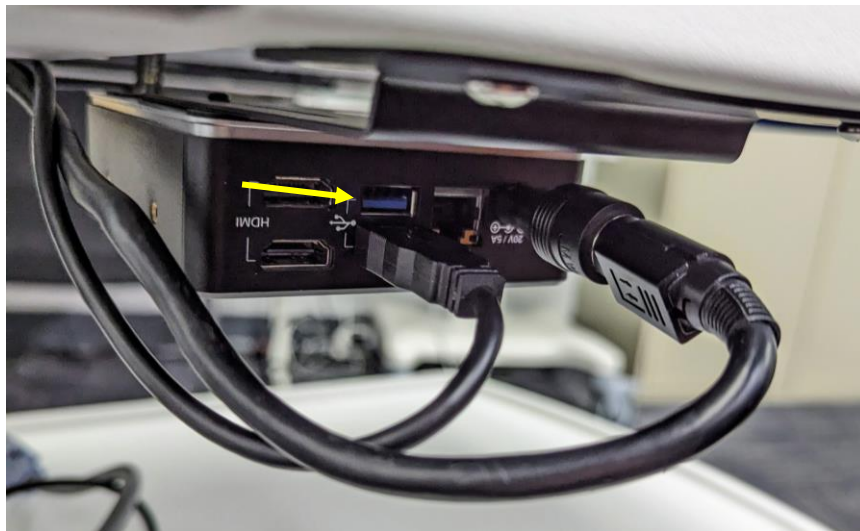


Figure 35

Step 6: Powering On

Connect the USB Hub and chassis power cables to the power strip as shown in **Figure 36**.



Figure 36

Connect the main system power cable to an appropriate power outlet.

Turn on the Roodra chassis via the power switch on the back of the chassis as shown in **Figure 37**.

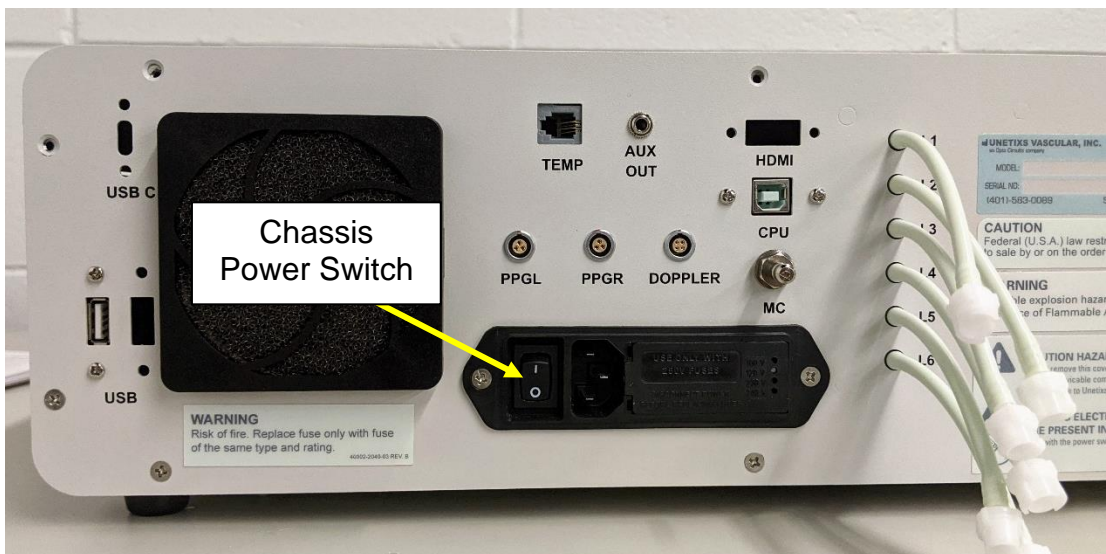


Figure 37

Turn on the computer via the power button on the back of the computer as shown in **Figure 38**.

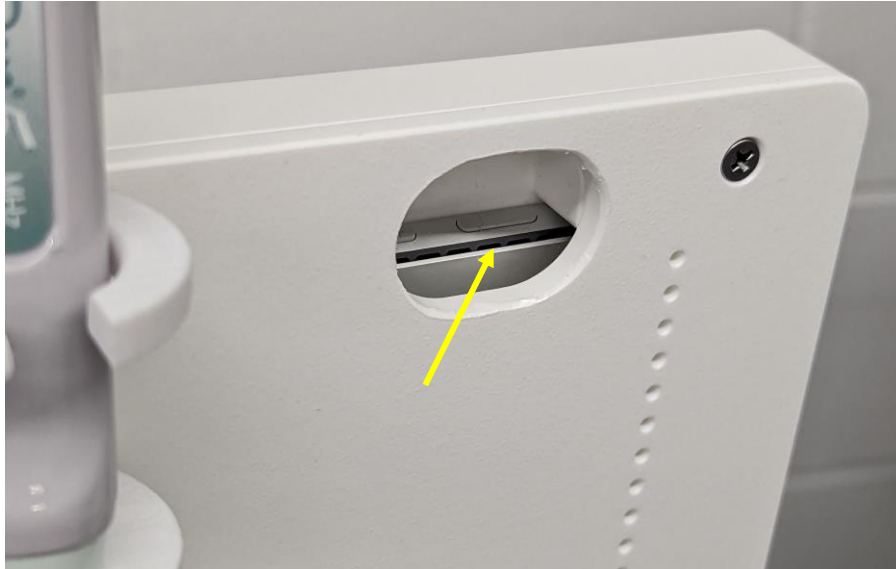


Figure 38

Installation is complete.

Once the assembly, installation and training are completed, the sales representative must fill out the Acknowledgement of Acceptance (F03 01) with the customer's representative and return the completed form to Unetixs.

Custom Vanity Display

If you wish to change the vanity display with a custom image(s) use the following steps:

Logo

1. Create a Folder on the Flash Drive named “Logo” (name is case sensitive).
2. Place the desired logo image inside the Logo folder, only one image must be in the folder at a time when replacing. The image may be in .jpg, .jpeg, .png, .bmp, and .tiff format. The resolution of the screen is 800x480.
3. Ensure Roodra chassis (11983-0000-01) is off.
4. Insert the USB Flash Drive to the USB slot on the back of the Roodra Chassis.
5. Turn on the Roodra Chassis.
6. A command window will appear on the LCD screen saying searching for USB. If successful it will then say that the logo change is complete and to turn off the chassis.
7. Turn off the chassis. Remove the USB Drive. When the chassis is powered back on the new Logo will appear.

Default Logo

1. Connect the USB flash drive (10383-0001-01 from 11989-0000-01) to the free USB A port on the USB dock.
2. Open Windows Explorer and navigate to C:/programs/Logo. Run the ToThumb batch file. A command window will pop up and run the file. It will give a success message when complete, then press any key to continue and close the window. Close Windows Explorer.
3. Eject the flash drive from the computer. Turn off the Roodra chassis. Insert the flash drive into the USB A port on the back side of the Roodra chassis.
4. Turn the Roodra chassis on. A command window will appear on the chassis display saying searching for USB. It will find the USB and then the logo folder and logo on it. It will then replace the logo and once complete will say to power cycle the Roodra chassis. Turn off the Roodra chassis. Remove the flash drive from the back of the chassis. Turn the Roodra chassis back on and the new logo will appear on the display.

Slideshow

1. Create a Folder on the Flash Drive named “RoodraSlideshow” (name is case sensitive).
2. Place the desired images inside the RoodraSlideshow folder, images may be in .jpg, .jpeg, .png, .tiff, .bmp, .gif (not animated) formats. The resolution of the screen is 800x480.
3. Ensure Roodra Chassis (11983-0000-01) is off.
4. Insert the USB Flash Drive to the USB slot on the back of the Roodra Chassis.
5. Turn on the Roodra Chassis.
6. A command window will appear on the LCD screen saying searching for USB. Once it locates the USB drive the slideshow will load and begin to play.

Videos

1. Create a Folder on the Flash Drive named “RoodraVid” (name is case sensitive).
2. Place the desired video files into the folder. The player supports resolutions up to 1080p and formats like .avi, .mov, .mkv, .mp4, .m4v encoded with H.264 codec.
3. Ensure Roodra Chassis (11983-0000-01) is off.
4. Insert the USB Flash Drive to the USB slot on the back of the Roodra Chassis.
5. Turn on the chassis.
6. A command window will appear on the LCD screen saying searching for USB. Once it locates the USB drive the videos will load and begin to play.

For Additional Help Contact:
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