

CAE Maestro Software Conversion for Apollo



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CAE Maestro[™] Software Conversion Guide for CAE Apollo[™]

Welcome to the CAE Maestro Software Conversion guide for CAE Apollo. This document provides stepby-step instructions on how to update the simulator user interface from Müse to Maestro. It is organized into four main sections listed in the table below.

Software Conversion Steps

- 1 Preliminary Steps (Requirements, Copy files, Backup, Müse verification, Router verification, Router replacement)
- 2 Install CAE Maestro Instructor Workstation (Simulator Conversion)
- 3 Update Instructor Workstations to CAE Maestro (Mac/Windows)
- 4 Update CAE Patient Monitor

Follow all instructions in the sequence provided. Prior to converting, it is recommended to try the CAE Maestro software through CAE Maestro Standalone. The conversion process may take 1.5 to 3.5 hours to complete depending on the steps particular to your conversion.

Preliminary Steps

System Requirements

Windows Operati	Windows Operating System (Instructor Workstation or Standalone)					
Software	 Windows 7 (Instructor Workstation/TouchPro) or Windows10 (Instructor Workstation/TouchPro/Standalone) .NET 4.8 or later supported 					
Hardware	 Intel Core i5 1.6 GHz, 4 GB RAM (8 GB RAM recommended), 32 GB free space 1280x800 screen resolution 					

Mac Operating System (Instructor Workstation or Standalone)				
Software	 macOS Big Sur (11), not compatible with macOS Monterey (12) 			
Hardware	 MacBook Pro (Mid-2012 or newer), MacBook Air, or iMac Intel Core i5 1.6 GHz, 4 GB RAM, (8 GB RAM recommended), 32 GB free space 1280x800 screen resolution 			

Copy Files

Maestro Conversion software needs to be downloaded from the CAE website. Refer to the letter received via email for the download links and license keys. Download the files on an Internet-connected computer and transfer them to a USB key. Insert the USB Key into the Instructor Workstation. Copy the downloaded files from the USB Key to the Desktop of the Instructor Workstation.

Backup

It is recommended to back up data to protect content and user information before proceeding. For more information on backing up date, refer to the *Backup Data* section in the simulator's user guide.

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Müse Verification

Follow these steps for Müse verification:

- 1. Power on the simulator and launch the Müse software from the browser of the Instructor Workstation located in the **Downloads** folder of the Instructor Workstation.
- 2. Check the Müse version by following this procedure:
 - a. Click on the Info icon located in the lower-left corner of Müse.



Info Icon

b. Click About > More Info. The version number will be displayed.

Note: Maestro software conversion for Apollo requires Müse 2.8.293 to work correctly. Do not proceed with the conversion until Müse has been updated to version 2.8.293.

3. Update Müse as needed before proceeding with the conversion. For more information on how to update Müse, consult the *Müse* user guide.

Router Verification

The CAE Apollo WiFi router must be fully compatible with the new Maestro Interface. Currently, both the **MicroTik (hAPlite)** router and **GL-iNet GL-AR750** router are the only compatible devices.

If the simulator is equipped with an Edimax or D-Link router, or if the router type is unknown, proceed with the Router Verification and Replacement sections before continuing with the simulator conversion.

Perform the following steps to determine your CAE Apollo router model. If the equipped router is an **Edimax** or **D-Link** router, the router will need to be replaced before proceeding with the conversion to Maestro:

1. Ensure the simulator is off.



CAE Apollo Simulator Router Location

- 2. Unzip the chest skin, lift the abdominal insert out, and verify the router type. The model name will be located on the top or front of the router.
 - a. If the brand of router is MicroTik or GL-iNet, the system is ready for the Maestro software conversion.
 - b. If the brand of the router installed is Edimax or D-Link, an updated WiFi router and power cord will need to be installed in CAE Apollo.
 Complete the *Router Replacement* section of this guide before continuing with the Maestro software conversion. If you do not have the required replacement router, please contact CAE Customer Service.

Router Replacement

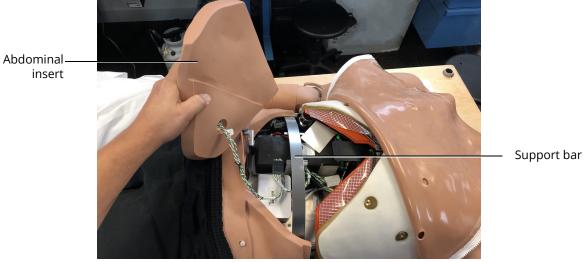
Follow these steps to replace the router:

- 1. Remove the current CAE Apollo WiFi router (Edimax or D-Link):
 - a. Ensure the simulator is off.
 - b. Unzip the chest skin, lift the abdominal insert out, and remove the support bar.

The router

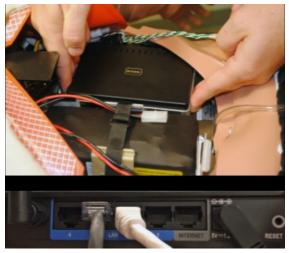


Note: It may be necessary to remove the battery for easier access to the router. Refer to the *Apollo User Guide* for more information.



Simulator Abdominal Insert

c. Locate the router, then lift the router up to release it from the hook & loop attachments. Take note of the connections for the power cable and the two LAN cables.



Router and LAN Cables

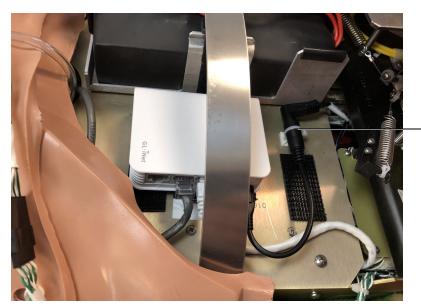
- d. Disconnect the two LAN cables.
- e. Disconnect the short power adapter cable from the router and from the main power cable harness. A new adapter is supplied with replacement router.
- 2. Install the new CAE Apollo WiFi router:
 - a. Connect the included power adapter cable to the router and the power cable harness.



b. Connect the two LAN cables to the new router (use ports 2 and 3 as shown in the image below).

LAN Cable Ports

- c. Choose the new hook & loop locking mate that adheres to the existing material on the simulator plate, and press to connect the fasteners together. Ensure the peel-away tape is facing up.
- d. Remove the peel-away tape from the hook & loop strip and firmly place the new router onto the adhesive, allowing room on the plate to secure the power cable.
- **Note:** The orientation may be different than shown. Use the image below as a reference.



Power cable connection

Power Cable Connection

e. Attach the cable tie mount to the simulator plate and secure the power cable with the cable in. Ensure the cable does not interfere with the chest compression mechanism.



- f. Replace the battery if it was removed and then reinstall the support bar and abdomen insert. Do not close the chest skin.
- g. Plug in and power simulator. Wait approximately two minutes to fully power up and establish a WiFi network.
- h. Verify that the router connection is correct and functioning: the router's power and WiFi indicators are lit.

Note: The simulator chest skin can now be closed.

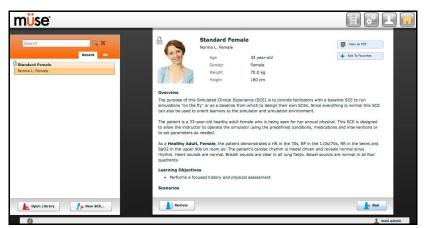
- i. Connect the WiFi of the workstation to your Apollo network (**APPXXXX** or **APNXXXX**) using the password **caeadmin**.
- 3. Run Müse to verify proper operation before continuing with the Maestro conversion.

Install CAE Maestro - Instructor Workstation (Simulator Conversion)

The following sections provide the steps necessary to perform the CAE Maestro software conversion on the simulator. Contact CAE Healthcare Customer Service for support, as needed.

Once a simulator is converted to Maestro, it is not possible to convert it back to Müse. It is recommended to first try Maestro through the Maestro Standalone application on a computer separate from the Instructor Workstation. This section should be performed only after becoming comfortable with Maestro Standalone, as the simulator conversion process cannot be reversed.

Important: All content in Müse will be converted to a Maestro-compatible format during the simulator conversion process. This is the only way to convert Müse content to a Maestro-compatible format. Ensure all Müse content desired for use within Maestro, including custom SCEs developed using Müse SCE Development software, have been uploaded to Müse prior to proceeding.



1. From the Instructor Workstation, login to Müse Viewer. The Home page appears.

Müse Home Page

- 2. In the upper-right corner, click the **System Administration** button.
- 3. Click the **System Settings** tab.



4. Click the Select Update button. A window appears.

	Content Management	User Accounts	Groups	Maintenance	System Settings	— System
Select — Update button	Data Management Back Up Data System Updates Select Update Product Licensing License Manager Language Change Language Units	rallable (74% free) 8 ■ 6 ★ : 51 ★ testore Data				Settings tab

Müse System Settings Tab - Select Update Button

▲ WARNING

Before proceeding with the conversion, ensure all desired Müse content has been imported into the simulator. Once started, Müse conversion to Maestro is permanent and cannot be undone.

- 5. Within the File Picker window, navigate to the Desktop.
 - ° For Apollo Nursing, select:

cae-maestro-apollo-nursing-linux-fc20-2.5.41.0.msu

• For Apollo Prehospital:

cae-maestro-apollo-prehospital-linux-fc20-2.5.41.0.msu

Note: Müse to Maestro conversion for Apollo is only supported on Maestro version 2.5.4.

The **Uploading Update** box appears and the software performs the conversion. It may take a moment for the box to appear.

Note: Shortly after the Uploading Update process finishes, you may be presented with a message: "Sorry, an error occurred during updating. Please contact CAE Healthcare Customer Service." If this occurs, restart the simulator and repeat steps 1–6. If the error occurs more than twice, please contact CAE Customer Service for further assistance.

- 6. Wait until the conversion process finishes (approximately 10 minutes). Once completed, power off the simulator.
- 7. Close the Müse Viewer.

Update Instructor Workstation to CAE Maestro

Follow these instructions to update the Instructor Workstation to CAE Maestro. These instructions are divided into two sections: one for users with a Mac and one for users with Windows. For Windows, please see the Windows instructions that immediately follow the Mac instructions in this section.

Update Mac-based Instructor Workstation to CAE Maestro

The following step-by-step instructions will aid in the process of updating the Mac-based Instructor Workstation to CAE Maestro.

Upgrading to macOS Big Sur

CAE Maestro requires macOS Big Sur (11). **It is not compatible with macOS Monterey (12)**. In order to run CAE Maestro for Apollo, the Instructor Workstation must either be a MacBook Air introduced in 2012 or a MacBook Pro introduced in 2012. To find the model and year of the computer, select **Apple > About This Mac**. If the computer is older than this, please contact your CAE Sale Representative about upgrade options.

Note: An Apple ID is required. If you do not already have an Apple ID, you can create one.

To upgrade the Instructor Workstation to macOS Big Sur, complete these steps:

- 1. From the Apple menu, select **Location**.
- 2. Ensure the computer has its *Location* set to **Public LAN**.

Edit	View	Window Help
		HPS LAN
	1 update	✓ Public LAN
)	Network Preferences
	Edit	Edit View

Location - Public LAN Setting

- 3. Ensure the WiFi is connected to the Internet, then visit this link (must be opened in either Safari or Google Chrome): <u>https://support.apple.com/en-us/HT204316#macos</u>
- 4. Once an Apple ID is created, update the computer to macOS Big Sur by following the guide found at this link: <u>https://support.apple.com/en-us/HT211683</u>
- 5. Scroll down to "Use Safari to download macOS on your Mac" and download the installer for macOS Big Sur (11).



Setting Mac Instructor Workstation to Use DHCP

Follow this step to set the Mac Instructor Workstation to use DHCP:

1. From the Apple menu, select **Location**.

System Preferences	Edit	View	Window Help
About This Mac			
System Preferences			
Location			METI LAN
App Store		1 update	✓ Public LAN
Recent Items		1	Network Preferences

Location - Public LAN Setting

2. Ensure the Instructor Workstation has its location set to **Public LAN**.

If the *Location* is not an available option, select:

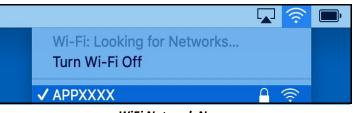
Apple Menu > System Preferences > Network > Wi-Fi > Advanced > TCP/IP > Configure IPv4 > Using DHCP

Install CAE Maestro Application for Mac

To install the CAE Maestro application on a Mac computer:

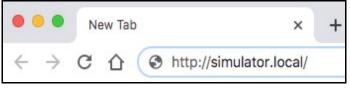
1. Power on the simulator and ensure the Mac is connected to the simulator's WiFi network (e.g. **APPXXXX, APNXXXX, ATHXXXX,** or **mfsXXXX**).

Note: Simulator WiFi network name may differ from the name shown in image below.



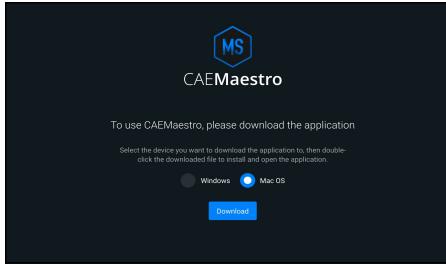
WiFi Network Name

2. Launch **Google Chrome** and type **http://simulator.local/** into the search bar (be sure to include the forward slash after *local*).



Google Chrome Search Bar

3. Ensure Mac OS is selected and click **Download**.



Click Download



4. Wait while the software downloads. Once the software has finished downloading click **Keep**, then click **CAE-Maestro-Setup.dmg** at the bottom-left of the Chrome window.



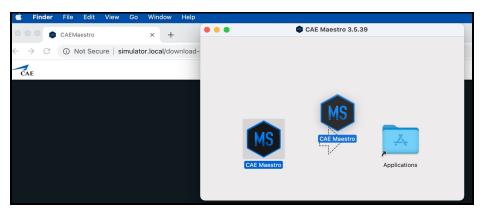
CAE-Maestro-Setup.dmg File

A progress bar titled **Opening "CAE-Maestro-Setup.dmg"** will appear.

Opening "CAE-Maestro-Setup.dmg"	Cancel
Attaching	Cancer

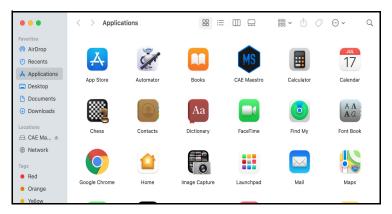
Progress Bar - Opening CAE-Maestro-Setup.dmg

5. A window titled **CAE Maestro X.X.XX** will appear, with a CAE Maestro icon and an Applications folder. Drag the **CAE Maestro** icon over the **Applications** folder and when the Applications folder opens, release the mouse.



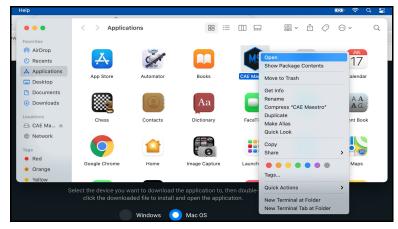
Copy CAE Maestro to Applications Folder

The CAE Maestro application is copied into the Applications folder.



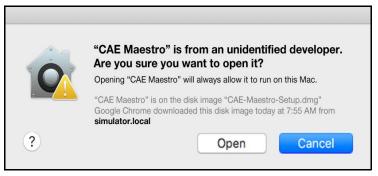
CAE Maestro in Applications Folder

6. Control+click the **CAE Maestro** icon, then select **Open** from the menu.



CAE Maestro Icon - Control+Click Menu

7. If prompted with "CAE Maestro" is from an unidentified developer. Are you sure you want to open it?, click **Open**.



Prompt - Click Open

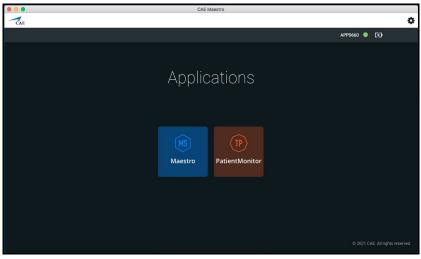


8. When prompted with "CAE Maestro" is an app downloaded from the Internet. Are you sure you want to open it?, click **Open**.



Prompt - Click Open

The CAE Maestro Applications window appears.



CAE Maestro Applications Window

The License window opens.

Close the License window. The Maestro license will be activated in a later step.

Cleanup and Launching CAE Maestro for Mac

1. Control+click on the **CAE Maestro** icon in the Dock, then select **Options > Keep in Dock** to add the checkmark.



CAE Maestro Options Menu - Keep in Dock

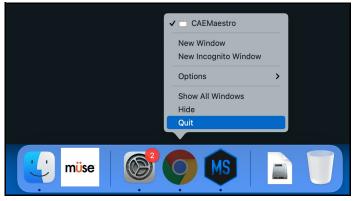
2. Control+click on the **Google Chrome** icon in the Dock and select **Options > Keep in Dock**. Control+click on the Google Chrome icon in the Dock again and ensure there is no longer a checkmark beside *Keep in Dock*.



Google Chrome Options Menu - Keep in Dock

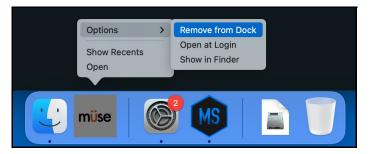


3. Control+click on **Google Chrome** icon in the Dock and choose **Quit**. The Google Chrome icon disappears from the Dock.



Google Chrome Options Menu - Quit

4. Control+click on **Müse Viewer** icon in the Dock and choose **Options > Remove from Dock**. The Müse Viewer icon disappears from the Dock.



Müse Viewer - Remove from Dock

5. Launch CAE Maestro by clicking the **CAE Maestro** icon in the Dock.



Mac - CAE Maestro Icon in Dock

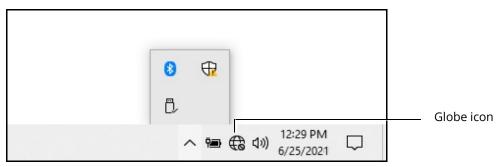
Update Windows-based Instructor Workstation to CAE Maestro

The following step-by-step instructions will aid in the process of updating the Windows-based Instructor Workstation to CAE Maestro.

Setting Windows Instructor Workstation to Use DHCP

Follow these steps to set the Windows Instructor Workstation to use DHCP:

1. Click on the **Globe** icon in the bottom right of the screen.



Globe Icon

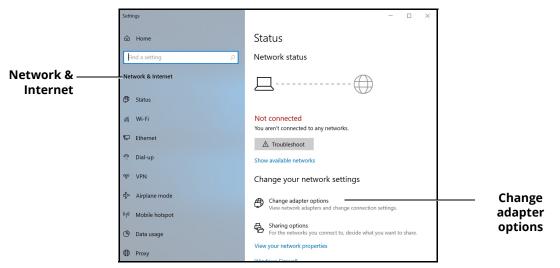
2. Click on the Network & Internet settings.



Network & Internet Settings

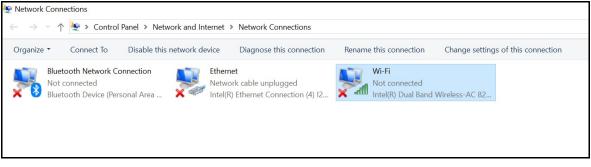


3. Click Change adapter options.



Network & Internet Settings - Change Adapter Options

4. Click WiFi.



Network Connections - WiFi

5. In the bar above the icons, click **Change settings of this connection**.

A User Account control box will appear. Enter **caeadmin** as the password and click **Yes**.

6. Click Internet Protocol Version 4 (TCP/IP).

Connect using: Intel(R) Dual Band Wireless-AC 8265 Configure This connection uses the following items: Client for Microsoft Networks Client for Microsoft Networks Client for Microsoft Networks Client for Microsoft Networks Client for Microsoft Networks Microsoft Network Adapter Multiplexor Protocol Microsoft LLDP Protocol Driver Microsoft LLDP Protocol Driver Install Uninstall Properties	etworking	Sharing					
Configure This connection uses the following items: Image: Client for Microsoft Networks Image: Client for Microsoft Network	Connect us	sing:					
This connection uses the following items: Image: Client for Microsoft Networks Image: Client for Microsoft Network Adapter Multiplexor Protocol Image: Client for Microsoft Network Microsoft Network for Microsoft Network Image: Client for Microsoft Network Microsoft Network Microsoft Network for Microsoft Network Image: Client for Microsoft Network Microsoft Network Microsoft Network Microsoft Network	🚅 Intel	(R) Dual Ba	and Wirele	ss-AC 8265	5		
Client for Microsoft Networks File and Printer Sharing for Microsoft Networks QoS Packet Scheduler Internet Protocol Version 4 (TCP/IPv4) Microsoft LLDP Protocol Driver Internet Protocol Version 6 (TCP/IPv6) Install Uninstall					1	Config	ure
Image: State of the state	This conne	ection uses	the followi	ng items:			
	🗹 🏪 CI	lient for Mic	rosoft Net	works			^
Internet Protocol Version 4 (TCP/IPv4) Microsoft Network Adapter Multiplexor Protocol Microsoft LLDP Protocol Driver Internet Protocol Version 6 (TCP/IPv6) Install Uninstall Properties	🗹 🏪 Fi	le and Print	er Sharing	for Microso	oft Net	works	
Microsoft Network Adapter Multiplexor Protocol Mathematical Adapter Multiplexor Protocol Ada	🗹 🚰 Q	oS Packet	Scheduler	6			
Microsoft LLDP Protocol Driver Internet Protocol Version 6 (TCP/IPv6) Install Uninstall Properties	🗹 💶 🗖	ternet Proto	ocol Versio	n 4 (TCP/I	Pv4)		
Install Uninstall Properties	🗆 🔔 M	icrosoft Ne	twork Adap	pter Multiple	exor Pr	otocol	
< <p>Install Uninstall Properties</p>	🗹 🔔 M	icrosoft LLI	DP Protoco	ol Driver			
Install Uninstall Properties	🗹 🔔 In	ternet Proto	ocol Versio	n 6 (TCP/I	Pv6)		~
	<						>
	Insta	all	Un	install		Propert	ties
Description	Descriptio	on					
Transmission Control Protocol/Internet Protocol. The default	Transmis	ssion Contr	ol Protocol	/Internet P	rotocol	. The def	ault
wide area network protocol that provides communication						unication	1
across diverse interconnected networks.	across c	liverse inter	connected	i networks.			

WiFi Properties Window

7. Click **Properties**.

V V	'i-Fi Properties	×	ignose this c
Netw	orking Sharing		ble unplugge
d	Internet Protocol Version 4 (TCP/IPv	4) Properties	×
-	General		
	You can get IP settings assigned au this capability. Otherwise, you need for the appropriate IP settings. Obtain an IP address automatic	to ask your network admi	
9	 Use the following IP address: – IP address: 	192.168.88.20	
	Subnet mask:	255 . 255 . 255 . 0	_
<	Default gateway:		
- 0	Obtain DNS server address aut		
	Preferred DNS server:		
	Alternate DNS server:		
	Validate settings upon exit	Adv	vanced
		OK	Cancel

General Properties Window



8. Click **Obtain an IP address automatically**, then click **Obtain DNS server address automatically** (option will become enabled when *Obtain an IP address automatically* is selected).

🖗 w	-Fi Properties	×	ignose this c
Netw	orking Sharing		ble unplugge ernet Connec
d	Internet Protocol Version 4 (TCP/IPv4)	Properties	\times
	General Alternate Configuration		
Th	You can get IP settings assigned autom this capability. Otherwise, you need to for the appropriate IP settings. Obtain an IP address automatically	ask your network admir	
	O Use the following IP address:		
	IP address:		
	Subnet mask:		
	Default gateway:		
C	Obtain DNS server address autom	atically	
	O Use the following DNS server addr	esses:	
	Preferred DNS server:		
	Alternate DNS server:		
	Validate settings upon exit	Adv	vanced
		ОК	Cancel

General Properties Window

9. Click **OK**, then click **Close**.

Wi-Fi Properties	\times
Networking Sharing	
Connect using:	
🛃 Intel(R) Dual Band Wireless-AC 8265	
Configure	
This connection uses the following items:	
Glient for Microsoft Networks File and Printer Sharing for Microsoft Networks GoS Packet Scheduler Internet Protocol Version 4 (TCP/IPv4) Microsoft Network Adapter Multiplexor Protocol Microsoft LLDP Protocol Driver Internet Protocol Version 6 (TCP/IPv6)	~
Install Uninstall Properties	k.
Description Allows your computer to access resources on a Microsoft network.	
Close Ca	ncel

WiFi Properties Window

10. Click **Ethernet**.



Network Connections - Ethernet

11. In the bar above the icons, click **Change settings of this connection**.

A User Account control box will appear. Enter **caeadmin** as the password and click **Yes**.

12. Click Internet Protocol Version 4 (TCP/IPv4), then click Properties.

Ethernet Properties	×
Networking Sharing	
Connect using:	
Intel(R) Ethemet Connection (4) I219-V	
Config	jure
This connection uses the following items:	
Client for Microsoft Networks	^
File and Printer Sharing for Microsoft Networks	
🗹 🐙 QoS Packet Scheduler	
Internet Protocol Version 4 (TCP/IPv4)	
Microsoft Network Adapter Multiplexor Protocol	
Microsoft LLDP Protocol Driver	
Internet Protocol Version 6 (TCP/IPv6)	~
<	>
Install Uninstall Proper	ties
Description	
Transmission Control Protocol/Internet Protocol. The de wide area network protocol that provides communication across diverse interconnected networks.	
ОК	Cancel

Ethernet Properties Window



13. Click **Obtain an IP address automatically**, then click **Obtain DNS server address automatically** (option will become enabled when *Obtain an IP address automatically* is selected).

🖗 w	'i-Fi Prope	rties		×			
Netw	orking St	naring		ble unplugge rnet Connec			
d	Internet I	Protocol Version 4 (TCP/IP	v4) Properties	×			
Th BBBBB BB BBB	General	Alternate Configuration					
	You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.						
	0	btain an IP address automati se the following IP address: -	cally				
	IP ad	ddress:					
	Subr	net mask:					
	Defa	ult gateway;					
	 O 	btain DNS server address au	tomatically				
	OU	se the following DNS server a	ddresses:				
	Pref	erred DNS server:		· · · ·			
	Alter	nate DNS server:					
	V	alidate settings upon exit		Advanced			
			ОК	Cancel			

General Properties Window

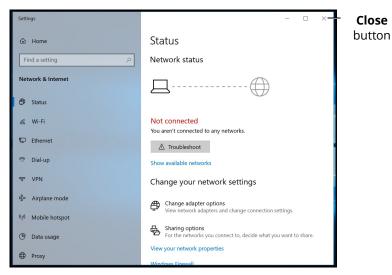
14. Click **OK**, then click **Close**.

15. Click the close (X) button on the Network Connections window in the upper-right hand corner.



Network Connections Window - Close Button

16. Click the close (X) button on the Settings window in the upper-right hand corner.



Settings Window - Close Button



Install CAE Maestro Application for Windows

To install the CAE Maestro application on a Windows computer:

1. Ensure the Instructor Workstation is connected to the simulator's WiFi network (e.g. **APPXXXX**, **APNXXXX**, **ATHXXXX**, or **mfsXXXX**).

Note: Simulator WiFi network name may differ from the name shown in image below.



Simulator WiFi Network

2. Launch **Firefox** or **Google Chrome** and enter **http://simulator.local/** into the search bar type. Be sure to include the forward slash after *local*.

New Tab		× +	
$\leftarrow \rightarrow $ G	۲	http://simulator.local/	
👖 Apps For 🔇		http://simulator.local	

Windows - Search Bar Type

3. Choose the **Windows** radio button and click **Download**.



Click Download

Wait while the software downloads.

A banner at the bottom of the screen appears saying, "This type of file can harm your computer. Do you want to keep CAE-Maestro-Setup.exe anyway?"

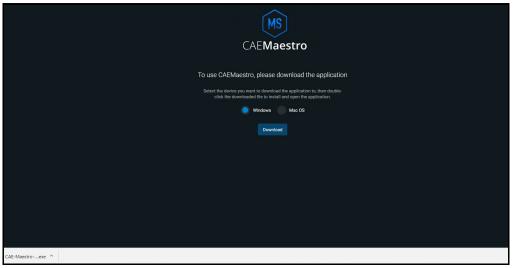
4. Click Keep.

Down	load		
This type of file can harm your computer. Do you want to keep CAE-Maestro-Setup.exe anyway?	Кеер	Discard	Show all X

Banner - Click Keep



5. Click **CAE-Maestro-Setup.exe** at the bottom left of the Chrome window.



CAE-Maestro-Setup.exe File

A window titled "Windows Security Alert" may appear saying "Windows Defenders Firewall has blocked some features of this app."

6. Place a checkmark beside private and public networks, then click Allow access.



Windows Security Alert

A User Account control box will appear.

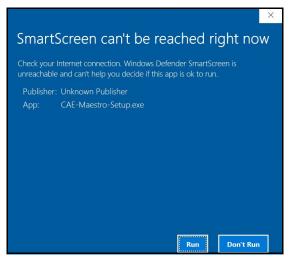
7. Enter *caeadmin* as the password and click **Yes**.

User Account Control X				
Do you want to allow this app to make changes to your device?				
📽 Windows Defender Firewall				
Verified publisher: Microsoft Windows				
Show more details				
To continue, enter an admin user name and password.				
CAE Admin				
Password				
CAEMUSE\CAE Admin				
Yes	No			

User Account Control Box

A window titled, "SmartScreen can't be reached right now" will appear.

8. Click Run.



Window - Click Run

Wait while the software installs.



The CAE Maestro window appears.

MS
CAE Maestro
Select your simulator Juno
Set as default
Continue

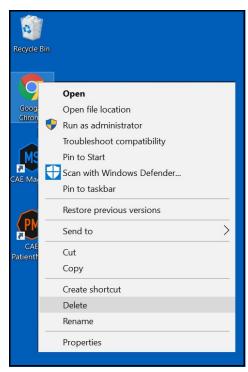


9. Click the close control (X) button in the upper-right corner.

Cleanup and Launching CAE Maestro (Windows)

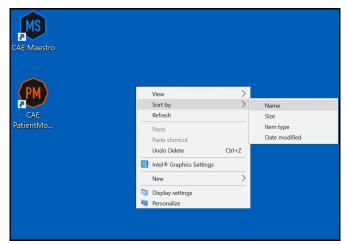
Follow these steps to cleanup and launch CAE Maestro:

1. On the Desktop, right-click on the **Google Chrome** icon and choose **Delete**. Additionally, drag the files that start with **cae-maestro-...msu** to the Recycle bin.



Desktop - Google Chrome Menu

2. On the Desktop, right-click and choose **Sort by > Name**.



Desktop - Sort By > Name

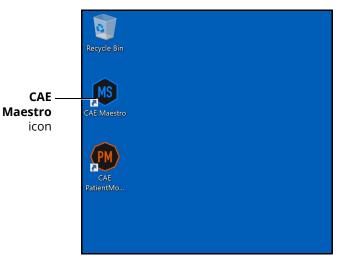
3. Right-click the **Recycle Bin** and choose **Empty Recycle Bin**.



Desktop - Empty Recycle Bin



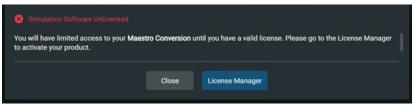
- 4. Click Yes.
- 5. Launch CAE Maestro by double-clicking the **CAE Maestro** icon.



CAE Maestro Icon

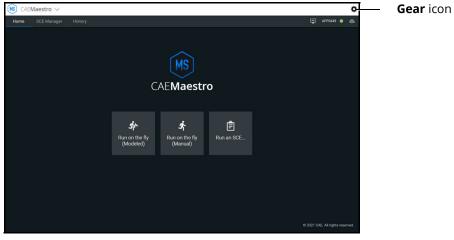
Activating CAE Maestro

- 1. Click CAE Maestro.
- 2. Upon login, a "Simulation Software Unlicensed" notification will appear. Click License Manager.



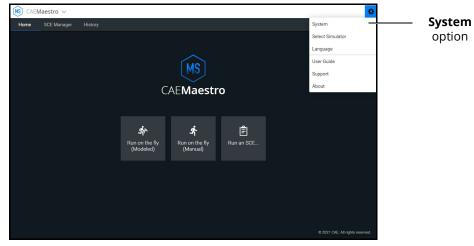
Simulation Software Unlicensed Notification

3. If the "Simulator Software Unlicensed" screen does not appear, click the **Gear** icon.



Gear Icon

4. From the **Gear** icon drop-down menu, click **System**.



System Option



5. From the System window, click **License Manager**.

	CAEMaestro	×	¢
	÷		
	(i) About	Simulator	
	Preferences	imulator.local	
License	O rr License Manager	Software Version 1.5 APP (148)	
Manager	A Maintenance	Install Update	
		Data Management	
		Last Data Backup Never Backup Data Restore Data	
		System Configuration	
		Disk Space 2.7 GB Available (45% free) System Time Thu Feb 14 2019 17:34:56-0500	
		Edit Time	

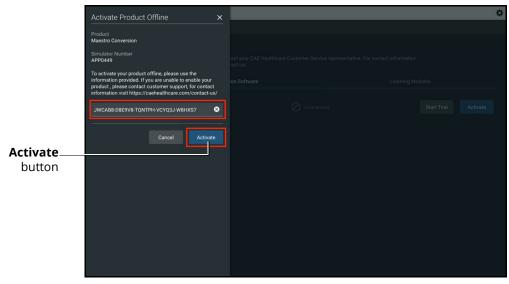
License Manager

6. In the Maestro Conversion row, click Activate.

CAEMaestre	o ~			۵
÷				
(i) About	License Manager			
Preferences	If you do not have a license key, contact y visit https://caehealthcare.com/contact-u	our CAE Healthcare Customer Service representative ss/		
Fi Performance Metrics	Simulation S	oftware	Learning Modules	
Om License Manager	Maestro Conversion	Ø Unlicensed	Start Trial Activ	Activate
Content Library				button
		Activate Button		

7. Locate the **Maestro Conversion** license key. The key can be found in the email that was delivered when the Maestro Conversion upgrade was purchased.

8. Enter the Maestro Conversion license key into the Offline Activation screen that appears, then click **Activate**. Ensure that dashes are included.



Offline Activation Screen

A "Success" notice should appear to indicate a successful activation. Click the **Close** button.

nces			ation
e Manager			ng Modules
mance		S Valid License	Dei
	Success Your Maestro Conversion has been Close	n successfully activated.	

Success Screen

9. Close the CAE Maestro app.

CAE

Installing the LearningSpace Compatibility Patch for Apollo via Mac Laptop

Note: Prior to performing this patch installation, ensure that the Maestro 2.5 software installation process is completed.

To install the LearningSpace Compatibility Patch file via Mac laptop:

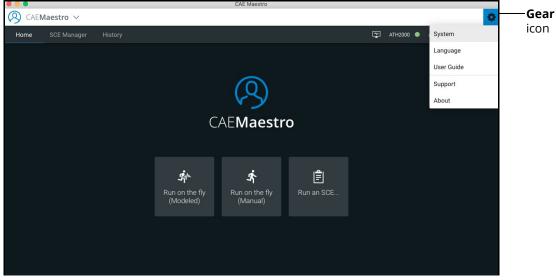
- a. On the toolbar, click the WiFi icon and to ensure the laptop is connected to the simulator's network.
- b. From the desktop, click on the USB disk icon to open the USB disk folder.
- c. Locate and drag the Maestro update file on to the desktop:
 - For Apollo Nursing and Prehospital: cae-maestro-apollo-learningspace-fix-linuxfc20.2.5.46.0.msu
- d. Drag USB disk icon to Trash can in the Mac dock at the bottom of the screen to safely eject it.



Mac Laptop Dock Icon

- e. From the Mac dock, click the **Maestro** icon to launch the Maestro application.
- f. When the Applications screen appears, click the **CAE Maestro** icon. The Home screen appears.

g. From the CAE Maestro Home screen, click on the **Gear** icon in the upper-right corner and select **System**.



Home Screen

h. On About screen, under the Software section, tap Install Update.

	MS CAEMaestro	V	\$
	÷		
	(i) About	Simulator	
	Preferences	Standalone	
	부터 Performance Metrics	Software Version 2.5 APP (41)	
Install — Update	On License Manager		
button	Content Library	Data Management	
		Last Data Backup Never	
		Backup Data Restore Data	
		System Configuration Disk Space 62.2 GB Available (26% free)	
		System Time Fri Aug 20 2021 16:25:08 -0400	

About Screen

The Install Update prompt appears.

- i. When the reminder to back-up your files appears, do one of the following:
 - ° Tap **Cancel** to return to the previous window and back up your files before proceeding.
 - ^o Tap **Update** without backing up your files.

The File Explorer window appears.

j. Navigate to the Desktop folder, select the desired file name, and tap **Open**.

When the System Update Complete prompt appears, the simulator software update is complete.

CAE

Installing the LearningSpace Compatibility Patch for Apollo via Windows Laptop

Note: Prior to performing this patch installation, ensure that the Maestro 2.5 software installation process is completed.

To install the LearningSpace Compatibility Patch file via Windows laptop or Surface Pro tablet:

- a. Power on the instructor laptop or tablet.
- b. Connect the USB key into the USB port on the side of the laptop or tablet.
- c. From the Desktop screen, navigate to the task bar and tap the Search icon in the lower-left corner of the screen.
- d. Tap on File Explorer app in the search result menu.

The File Explorer window appears.

e. Under the **This PC** menu, tap the USB name to access the files from the USB key.

The USB contents appear in the main pane.

- f. Drag the update file to the Desktop screen:
 - For Apollo Nursing and Prehospital: cae-maestro-apollo-learningspace-fix-linuxfc20.2.5.46.0.msu
- g. Use the **Safely Remove Hardware and Eject Media** icon in the System Tray to properly eject the USB key.
- h. From the desktop, tap the **CAE Maestro** shortcut icon to open the new version of CAE Maestro.



CAE Maestro Desktop Icon

The CAE Maestro start screen appears.

i. From the CAE Maestro start screen, click on the **Gear** icon in the upper-right corner and select **System**.

	MS CAEMaestro	V .	٥
	÷		
	(i) About	Simulator	
	Preferences	Standalone	
	HII Performance Metrics	Version 2.5 APP (41)	
Install – Update	On License Manager	Install Update	
button	Content Library	Data Management Last Data Backup Never Backup Data Restore Data System Configuration Disk Space 62.2 GB Available (26% free) System Time Fri Aug 20 2021 16:25:08-0400	

j. On About screen, under the Software section, tap Install Update.

About Screen

The File Explorer window appears.

	📧 Open					×
	$\leftarrow \rightarrow \checkmark \uparrow$	> This PC > Desktop		ٽ ~		Desktop
	Organize • New fo	lder				III • 🔳 🕜
	✓ ★ Quick access	Name	Date modified	Туре	Size	
estro —	Desktop	cae-maestro-apollo-learningspace-fix-linux-mpic	8/5/2021 7:21 AM	Microsoft Update Sta	739,494 KB	
te file		Learning Modules	1/3/2020 10:19 AM	Shortcut	1 KB	
	Documents :	n User Guides	1/3/2020 10:18 AM	Shortcut	1 KB	
	Fictures :	🔊 Videos	1/3/2020 10:19 AM	Shortcut	1 KB	
	> 🍠 This PC					
	> 🗳 Network					
	File	name:			Custom Files	~
					Open	Cancel

k. Select the desired file name from the Desktop and tap **Open**.

File Explorer Screen

- I. When the reminder to back-up your files appears, do one of the following:
 - ° Tap **Cancel** to return to the previous window and back up your files before proceeding.
 - Tap **Update** without backing up your files.

When the System Update Complete prompt appears, the simulator software update is complete.



Update CAE Patient Monitor

To update CAE Patient Monitor monitors, the following software and hardware is required:

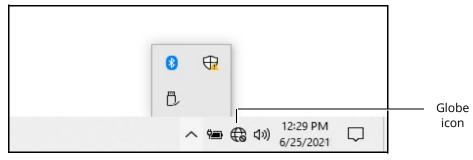
- One simulator updated with CAE Maestro v2.9 software
- CAE Patient Monitor monitor

Prior to beginning, complete the steps outlined in the associated patient simulator Getting Started Guide.

Patient	Patient Monitor Update Steps			
1	Setting CAE Patient Monitor to Use DHCP			
2	Connect CAE Patient Monitor to Network			
3	Download CAE Maestro App			
4	Launch CAE Patient Monitor			

Step 1: Setting CAE Patient Monitor to Use DHCP

- a. Power on the CAE Patient Monitor computer.
- b. Click the **Globe** icon in the bottom-right of the screen.



Globe Icon

c. Click Network & Internet settings.

	Generation Hiddee Secur	en Network red			
Network & Internet	and the second se	. Internet settin gs, such as making	-	ion metered.	
settings	<i>(i</i> . Wi-Fi	₽}> Airplane mode	(မု) Mobile hotspot		
		ጽ ^	* = \ ')	5:20 PM 6/22/2021	\Box

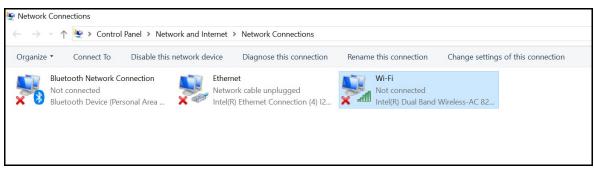
Network & Internet Settings

d. Click Change adapter options.

	Settings	- 🗆 X	
	යි Home	Status	
	Find a setting	Network status	
Network & Internet	Network & Internet	□	
setting	🗇 Status	$ \longrightarrow $	
8	🦟 Wi-Fi	Not connected You aren't connected to any networks.	
	Ethernet	▲ Troubleshoot	
	n Dial-up	Show available networks	
	% VPN	Change your network settings	
	다 Airplane mode	Change adapter options	Change
	(1) Mobile hotspot	View network adapters and change connection settings.	adaptei
	🕑 Data usage	Sharing options For the networks you connect to, decide what you want to share.	options
	Proxy	View your network properties	

Network & Internet Settings - Change Adapter Options

e. Click WiFi.



Network Connections - WiFi

f. In the bar above the icons, click Change settings of this connection.



If a User Account control box will appear. Enter *caeadmin* as the password and click **Yes**.

g. Click Internet Protocol Version 4 (TCP/IP).

Wi-Fi Pro	perties	×
Networking	Sharing	
Connect us	ing:	
🚅 Intel(R) Dual Band Wireless-AC 8265	
This conne	Configure	
	ent for Microsoft Networks e and Printer Sharing for Microsoft Networks IS Packet Scheduler emet Protocol Version 4 (TCP/IPv4) crosoft Network Adapter Multiplexor Protocol crosoft LLDP Protocol Driver emet Protocol Version 6 (TCP/IPv6)	<
Insta	I Uninstall Properties	
wide are	n sion Control Protocol/Internet Protocol. The default a network protocol that provides communication verse interconnected networks. OK Canc	cel

WiFi Properties Window

h. Click Properties.

🖗 Wi-	Fi Properties	×	gnose this c
Netwo	rking Sharing		ole unplugg rnet Connec
	nternet Protocol Version 4 (TCI	P/IPv4) Properties	×
14	General		
Th E			
	• Use the following IP addre	SS:	
	IP address:	192.168.88.20]
	Subnet mask:	255 . 255 . 255 . 0]
	Default gateway:	· · ·]
C	Obtain DNS server addres		
	Preferred DNS server:		
	Alternate DNS server:		
_	Validate settings upon ex	it Advar	nced
		ОК	Cancel

General Properties Window

i. Click **Obtain an IP address automatically**, then click **Obtain DNS server address automatically** (option will become enabled when *Obtain an IP address automatically* is selected).

🖗 W	-Fi Properties	×
Netw	orking Sharing	ble unplugge rnet Connec
d	Internet Protocol Version 4 (TCP/IPv4) Properties	×
-	General Alternate Configuration	
Th	You can get IP settings assigned automatically if your ne this capability. Otherwise, you need to ask your network for the appropriate IP settings.	
	Obtain an IP address automatically	
	O Use the following IP address:	
	IP address:	
	Subnet mask:	
	Default gateway:	· · · ·
C	Obtain DNS server address automatically	
	O Use the following DNS server addresses:	
	Preferred DNS server:	
	Alternate DNS server:	
_	Validate settings upon exit	Advanced
	ОК	Cancel

General Properties Window

j. Click **OK**, then click **Close**.

🏺 Wi-Fi Properties			×
Networking Sharing			
Connect using:			
Intel(R) Dual Bar	nd Wireless-AC 8265		
This connection uses t	the fellowing the second	Configure	
Glient for Micro Glient for Micro GOS Packet S GOS Packet S Gos Anternet Proto Gos Anternet Gos An	osoft Networks er Sharing for Microsoft Scheduler col Version 4 (TCP/IPv work Adapter Multiplexc	4) or Protocol	*
Install	Uninstall	Properties	
Description Allows your compute network.	er to access resources o		cel

WiFi Properties Window

k. Close the WiFi status window.



I. Click Ethernet.

Network Connections		– 0 ×
🗁 🖂 🛧 🛬 > Control Panel > Netw	vork and Internet > Network Connections	✓ U Search Network Connections タ
Organize • Disable this network device	Diagnose this connection Rename this connection Change settings of this connection	📰 - 💷 📀
Net contection Net connected Bluetooth Device (Personal Area	Ethernet Korrect Connection (4) 12 Wi-Fi Vi-Fi Vi-	

Network Connections - Ethernet

m. In the bar above the icons, click **Change settings of this connection**.

If a User Account control box will appear. Enter *caeadmin* as the password and click **Yes**.

n. Click Internet Protocol Version 4 (TCP/IPv4), then click Properties.

	Properties			
Networking	Sharing			
Connect us	sing:			
🚽 Intel	(R) Ethernet	Connection (4) 1219-	V	
			Co	onfigure
This conne	ection uses t	he following items:		
	lient for Micn	osoft Networks		^
🗹 🐙 Fi	le and Printe	er Sharing for Microso	ft Network	S
🗹 🐙 Q	oS Packet S	Scheduler		
	itemet Proto	col Version 4 (TCP/IF	^p v4)	
🗆 🔔 M	licrosoft Net	work Adapter Multiple	xor Protoc	ol
_		work Adapter Multiple IP Protocol Driver	exor Protoc	ol
M . M	licrosoft LLD			ol
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Insta Descripti Transmi wide are	licrosoft LLD itemet Proto all on ssion Contro ea network p	P Protocol Driver col Version 6 (TCP/IF Uninstall I Protocol/Internet Pri rotocol that provides	Pv6) Pr otocol. The	> voperties

Ethernet Properties Window

o. Click **Obtain an IP address automatically**, then click **Obtain DNS server address automatically** (option will become enabled when *Obtain an IP address automatically* is selected).

🛛 W	i-Fi Propertie	25		×	ignose this c
Netw	orking Shar	ng			ble unplugge ernet Connec
d	Internet Pro	tocol Version 4 (TCP/IP	/4) Properties		\times
	General A	Iternate Configuration			
Th	this capab for the ap	et IP settings assigned au ility. Otherwise, you need propriate IP settings. in an IP address automati	to ask your netw		
	-	the following IP address:			
	IP addr	ess:			
	Subnet	mask:			
	Default	gateway:			
- 0	-	in DNS server address au the following DNS server a			
	Preferr	ed DNS server:			
	Alterna	te DNS server:			
	Valio	late settings upon exit		Adv	anced
			Ok	(Cancel

General Properties Window

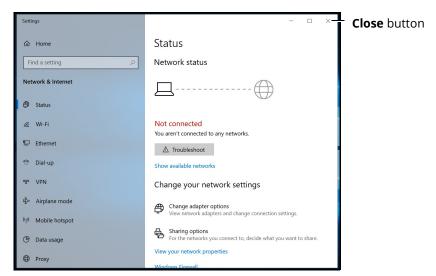
- p. Click **OK**, then click **Close**.
- q. Close the WiFi status window.
- r. Click the close (X) button on the Network Connections window in the upperright hand corner.



Network Connections Window - Close Button



s. Click the close (X) button on the Settings window in the upper-right hand corner.



Settings Window - Close Button

Step 2: Connect CAE Patient Monitor to Network

To connect the CAE Patient Monitor to the network:

a. Tap the **Network** icon in the Windows taskbar to expand the available networks list. Verify the simulator network is selected.

If the simulator network is not selected, tap on the appropriate network from the Available Networks list and proceed to step b.

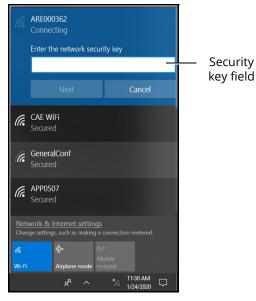
b. From the Available Networks list, tap the simulator network.



WiFi Connection - Sim Network

c. Tap the **Connect Automatically** checkbox and then tap **Connect**.

The network security key prompt appears.



WiFi Connection - Network Security Key Prompt

- d. Tap in the Enter the security network key field and type caeadmin.
- e. Tap the **Show password** (eyeball) icon to the right of the field and confirm the password has been entered correctly.
- f. Tap Next.
- g. If the discoverable PC prompt appears, tap **Yes**.

Wait a few moments while the MSI Patient Monitor connects to the simulator network.

CAE

Step 3: Download Maestro App

To download the Maestro app:

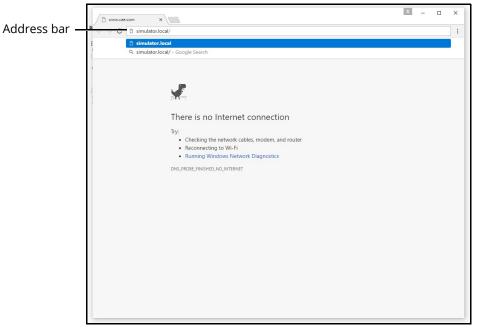
a. From the MSI monitor (Patient Monitor) desktop screen, tap **Google Chrome** icon to launch Google Chrome browser.



MSI (Patient Monitor) Monitor Desktop

The Google Chrome browser window appears.

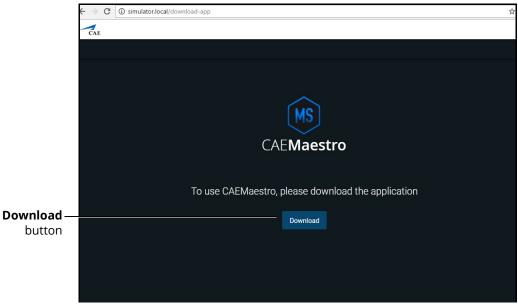
b. Tap in the address bar and using the keyboard, enter "simulator.local" and press **Enter**.



Google Chrome Browser Window

The CAE Maestro Download App page appears.

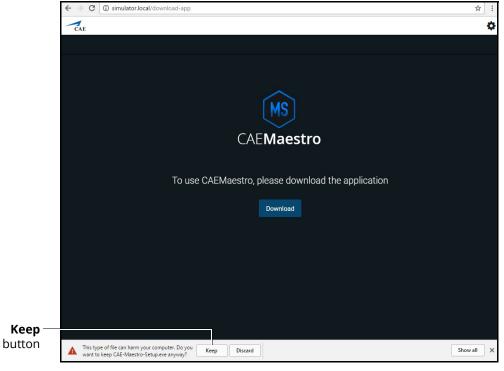
c. Tap Download.



CAE Maestro Download Page



After the download is complete, a banner appears at the bottom of the Chrome window, asking whether to keep or discard the file.



CAE Maestro Download Page

d. Tap Keep.

The CAE-Maestro-Setup.exe appears in the Downloads bar at the bottom of the Google Chrome browser window.

CAE	\$
MS	
CAE Maestro	
To use CAEMaestro, please download the application	
Download	
e Re-Maestro-Setup.exe ^	Show all X

CAE Maestro Download Page

e. Tap the CAE-Maestro-Setup.exe file.

The CAE Maestro Setup application launches and begins installing.

Note: During the CAE Maestro Setup application installation, a window may appear explaining that Windows Defender Firewall has blocked some features of this app. If it appears, tap **Allow** access.

When the connection is complete, the Maestro Home screen appears.

f. Close this window to reveal two new icons on the desktop.

Step 4: Launch CAE Patient Monitor

To launch CAE Patient Monitor, from the desktop screen, tap **CAE Patient Monitor** icon.



CAE Patient Monitor Icon



Healthcare

For more information about CAE products, contact your regional sales manager or the CAE distributor in your country, or visit caehealthcare.com.

Tel +1941-377-5562 or 866-233-6384

For customer support, please contact CAE.

Customer Support Headquarters - United States Monday - Friday from 7:00 a.m. to 6:00 p.m. ET Phone 1-866-462-7920 Email: srqcustomerservice@cae.com

Customer Support - Canada Monday - Friday from 8:00 a.m. to 5:00 p.m. ET Phone 1-877-223-6273 Email: can.service@cae.com

Customer Support - Europe, Middle East, and Africa Monday - Friday from 8:00 a.m. to 5:00 p.m. CET Phone +49 (0) 6131 4950354 Email: international.service@cae.com

Customer Support - United Kingdom and Ireland Monday - Friday from 9:00 a.m. to 5:00 p.m. GMT Phone +44 (0) 800-917-1851 Email: uk.service@cae.com

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Customer Support - Asia Pacific Monday - Friday from 8:00 a.m. to 5:00 p.m. CET Phone +49 (0) 6131 4950354 Email: ap.service@cae.com