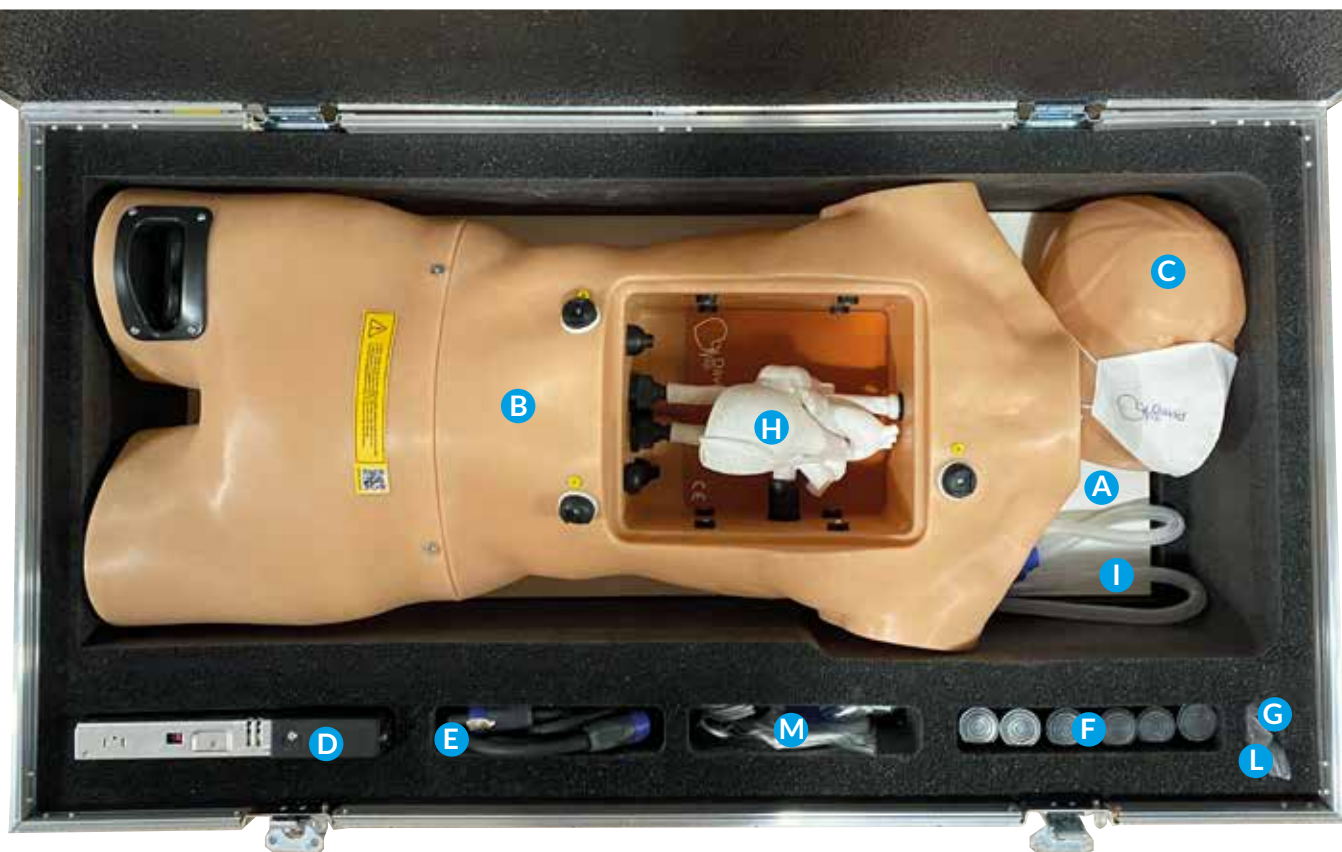


# USER MANUAL



## PACKING GUIDE



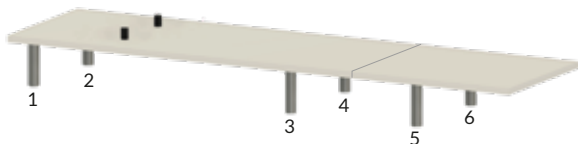
## LIST OF COMPONENTS:

- A EP David table (#1)
- B EP David (#1)
- C EP David head (#1)
- D Power Supply (#1)
- E Power Supply Cables (#2):  
Cable EP David-Power Supply (E1) and Cable Power Supply- AC outlet (E2)
- F Table legs (#6)
- G Syringe (#1)
- H 3 D heart model (#1)
- I External pump (to use to empty the EP David) (#1)
- L Atrium septum inserts (#10: #5 normal and #5 hypertrophic)
- M Carto patches cables (#6) and ground cable (#1)

# SETUP GUIDE

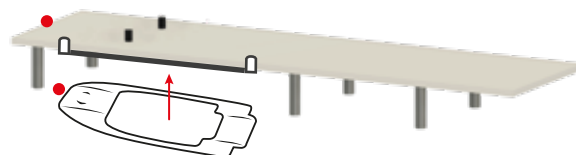
1.

Open the EP David table and connect the table legs #1 #2 #3 #4 #5 #6.



2.

Place the location holder\* and the location pad\* under the table.

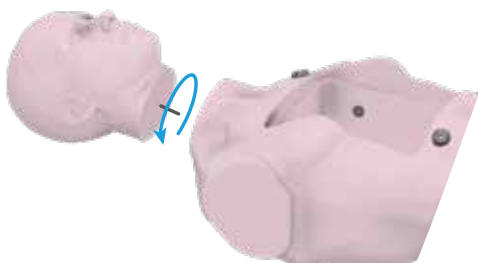


\* from Biosense Webster

3.

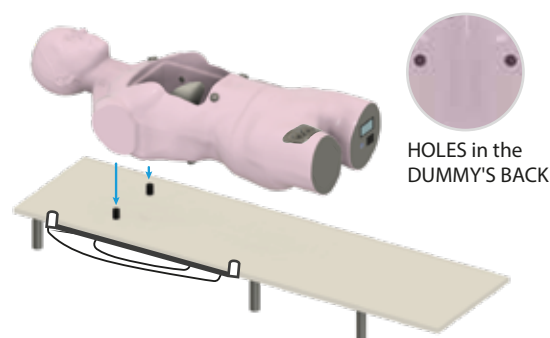
Place the head in position by rotating it (clockwise) on the neck insert.

IMPORTANT: The head is just an aesthetic feature. Do not over-rotate the head to lock it in place as it may brake the plastic cover on the neck.



4.

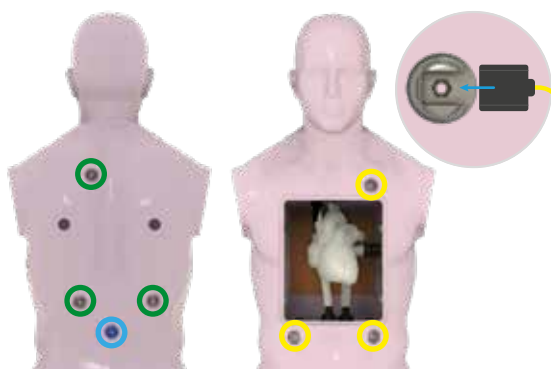
Place the dummy on the table by centering the holes on David's back with the fixing system on the table.



5.

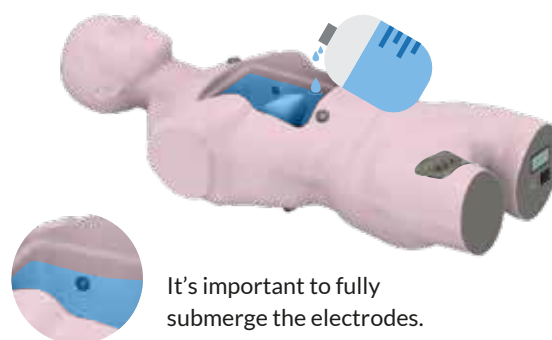
Connect all the 6 patches (3 yellow, 3 green) to the Carto System. Connect the Indifferent electrode (blue circle) to the RF Generator.

In the updated version Carto patches cables are detachable.



6.

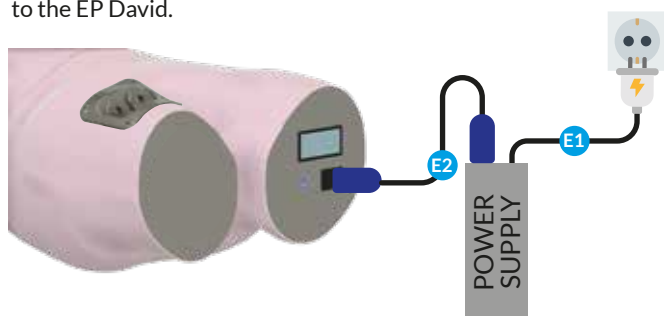
Fill the EP David with ~ 8 liters of saline solution or ~ 8 liters of water and ~ 70 gr of salt.



It's important to fully submerge the electrodes.

7.

Connect the cable E1 to the AC outlet and the cable E2 to the EP David.

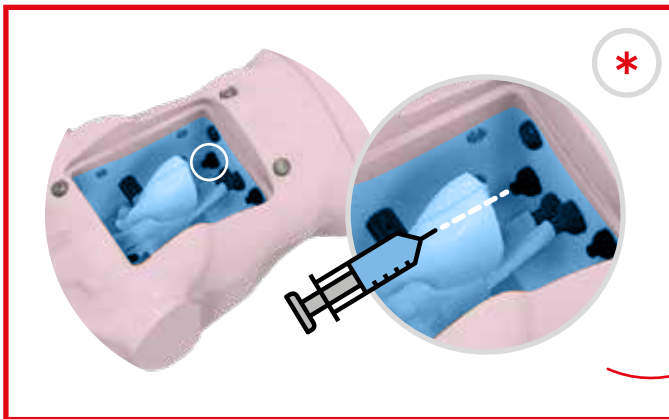


8.

Switch on the EP David.



Go to the next page



### ATTENTION!

**Do this prior to start simulation session.**

Air bubbles could stop the water movement. In case you don't see the water flowing, take the supplied syringe and use it to push water in the connector (blue circle). Repeat the process until the flow of water is visible.

9.

Start to use the EP David **when temperature is ~ 37°C.**  
This step is not mandatory!



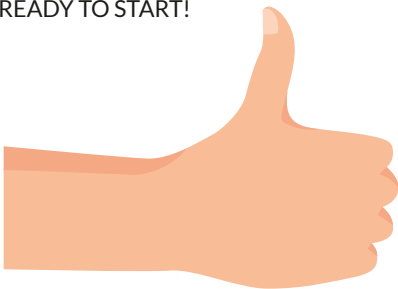
10.

Use the 2 accesses on the right leg to insert catheters (left one for IVC and right one for retrograde/Aorta access) or the white membrane.



11.

READY TO START!

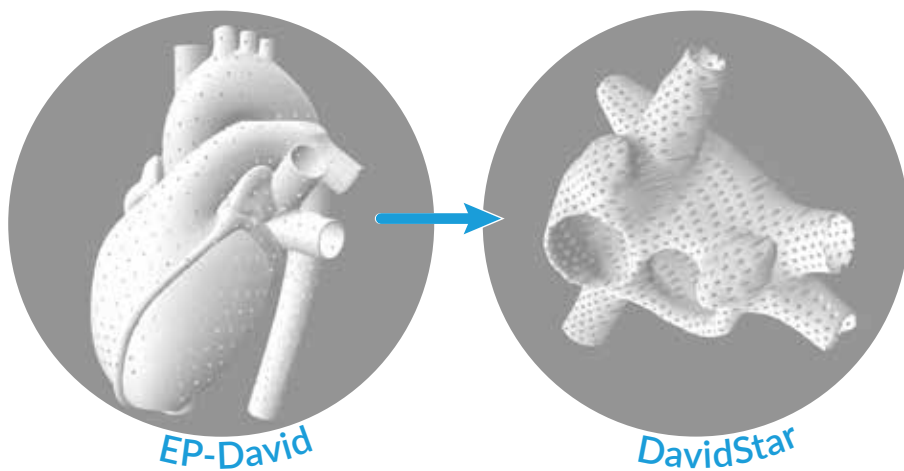


# SETUP GUIDE - EP DavidStar

All the previous steps are shared between EP David and EP DavidStar.



Swap the anatomy from the EP-David with the DavidStar one.



## IMPORTANT:

- Atrium septum inserts are not needed for this simulation.

# CLEANING GUIDE

1. Switch **OFF** the EP David.
2. Disconnect all the Mapping system cables leaving only the power cable connected.  
Secure each cable with the supplied straps.
3. Use the external pump provided to empty the David from the water.



4. Once the water reached the minimum level, the flow from the pump will stop.  
**Please consider that the pump won't empty the EP David completely .**
5. Refill the David with fresh water and start the simulator again. This process is needed to remove the salt residues from the circulation system.
6. Discard the water with the same method explained in point 3.
7. Discard the remaining water.
8. It's time to pack everything up! Follow the **Packing Guide** to store all the components safely.  
**Be sure to dry carefully all the Ep David system before storing it in the box.**

# TOUCHSCREEN GUIDE

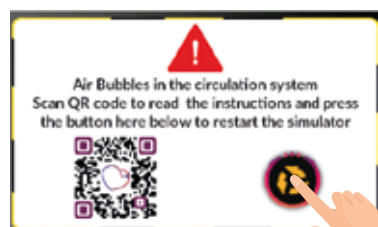
This document will detail the necessary steps to configure the EP-DAVID simulator and take advantage of the built-in functionalities.



1. Startup



2. Temperature, salinity and pump reading – approx. 10 sec delay



3. If the pump is not working in the correct way, an alarm will be triggered, and the pump and the heater will be switched off automatically.  
To solve the problem, please read the instruction carefully on how to remove air bubbles from the system. The alarm is triggered if there is air in the circulation system.  
To restart the pump, press and hold for 5 seconds the indicated button.

## SWITCH ON AND OFF PUMP AND HEATER



By clicking on the **pump** button, you can control the pump switch



ON  
green overlay



OFF  
no overlay



By clicking on the **temperature** button, you can control the heater switch



ON  
blue overlay



OFF  
no overlay

## TEMPERATURE SET-UP



Set Temperature using the buttons + | -

## SALINITY



The salinity check, measures the level of salt inside the tank.  
The requested quantity is **approximately 60g of salt for 8 liters of water**.



After adding the salt, stir to dissolve completely the salt into the water. The sensor will measure the salinity in the water and will show “OK” when the salinity is enough.  
The measure strongly depends on the water chemical composition of the country using it.

## RESTART



To restart the simulator, press and hold the indicated button

## SIDE MENU



**INFO PAGE:** you can see here the firmware version and the email address to contact in case of need.



**WIFI FUNCTIONS**



**INSTRUCTION PAGE:** QR code – scan the QR code to Access the instruction from your mobile or Tablet.

## HOW TO CONNECT THE Wi-Fi?

### • CROSS CONNECTION



Click on “cross connection” button to activate the Wi-Fi connection for the simulator.  
Once the function is enabled, connect to the following network:

SSID: **DAVID**  
Password: **davidmouzee**

The following webpage should appear:



Click on “configure Wi-Fi”



Choose the **Wi-Fi network** you want the David to connect to and type the password:



Click on “Save” and wait for the David to connect to the selected network.



Once the connection is established, you will see the IP address assigned to the simulator by the network on the touchscreen and the web browser will automatically open to show you the **David Dashboard**.



**NB:** in case the browser doesn't open automatically, open it manually and type the address shown in the IP tab into the search bar.

To Access the IP address, the David and your device (the one from where you want to manage the David Simulator) must be connected to the same network.

### • ACCESS POINT



#### IMPORTANT!

Access point mode is a backup function.  
It must be use **only** if the Cross Connection doesn't work.  
Please contact the technical support to be guided into the procedure to connect with the access point mode.

## EP-DAVID DASHBOARD

You can manage all the David's features from the online dashboard by clicking on the buttons.



For example:  
if you want to switch on the pump you have to click the "ON" button  
in the section "Circulation"

When an update will be released, you will be contacted by the tech support and guided to update the David Simulator software.

