

## Cardiovascular Pump System

A-HRT-A-0005

### Quick Start Guide

#### Package Contents

Cardiovascular Pump

Sump

Tablet



#### Pump and Sump Setup

**Step 1:** Open pump and sump cases and remove the tubing harness, tablet, power supplies, and keys. Retain all of the unused parts in a safe place so that they can be recalled when necessary.



**Step 2:** Fill the sump with enough water to cover the fittings within the sump and submerge the filtered intake and output bulbs.



**Step 3:** Close the sump and pump cases, latch them securely. Connect the tubing fittings to their mated destinations (arterial to arterial, venous to venous)



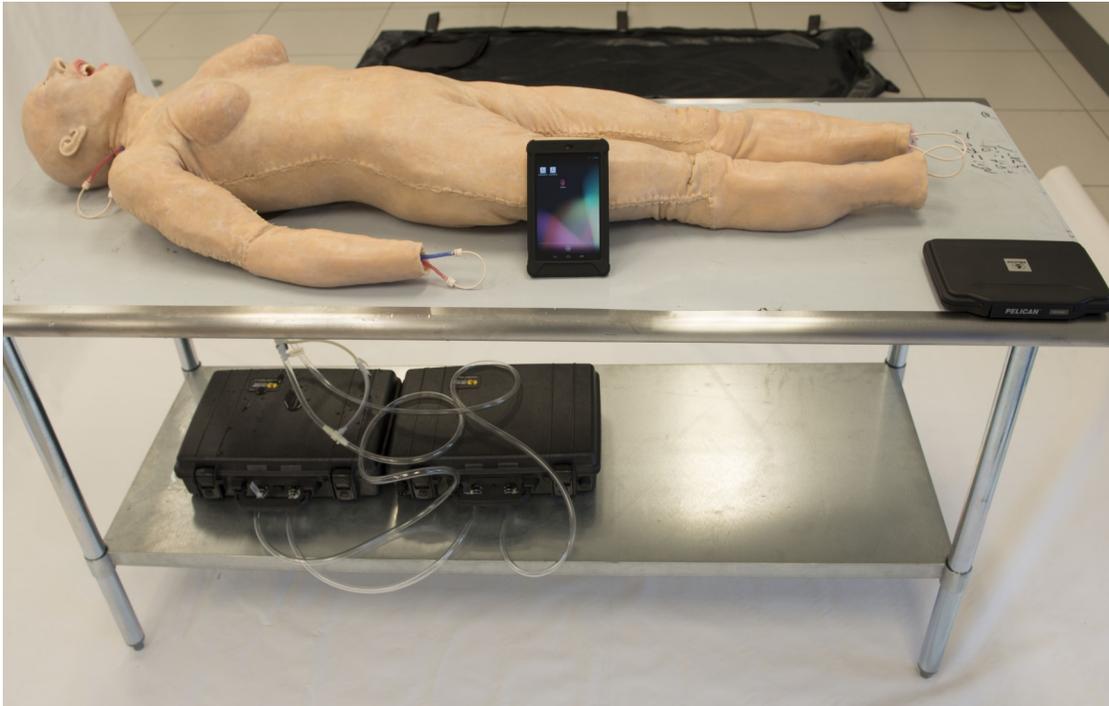
**Step 4:** Switch the pump on with the knife switch on the lower right side of the case and then turn the tablet on by pressing and holding the power button. Once powered on, allow the tablet to load and select the icon for the SynDaver Labs application.



**Step 5:** Once in the application, select the Bluetooth connectivity icon and choose the only available device address. Press the power button icon to turn on the control board within the pump. Now you can control the fluid dynamic functions.



**Step 6:** Initially a prime cycle should be run to prepare the vascular system for operation. Here it is shown in operation with a SynDaver Synthetic Human.



**Step 7:** Once primed the simulated blood flow can be turned on by moving the slider to the decided pulse rate.



## Charging the Pump

**Step 1:** Place the pump and tablet in a safe dry place with access to a 110V wall receptacle. Then gather the power supplies and connect them to the corresponding devices and plug them both into the wall.

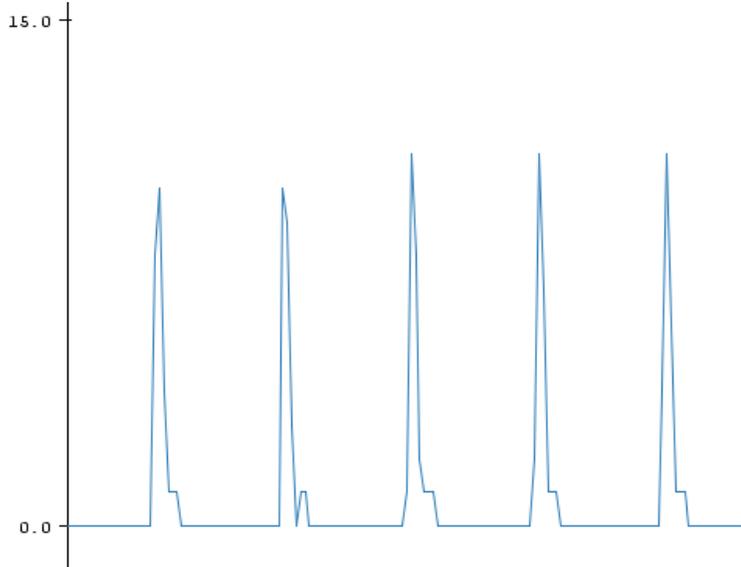
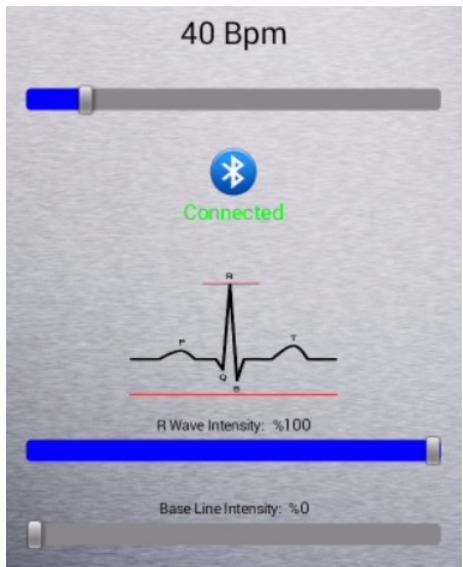
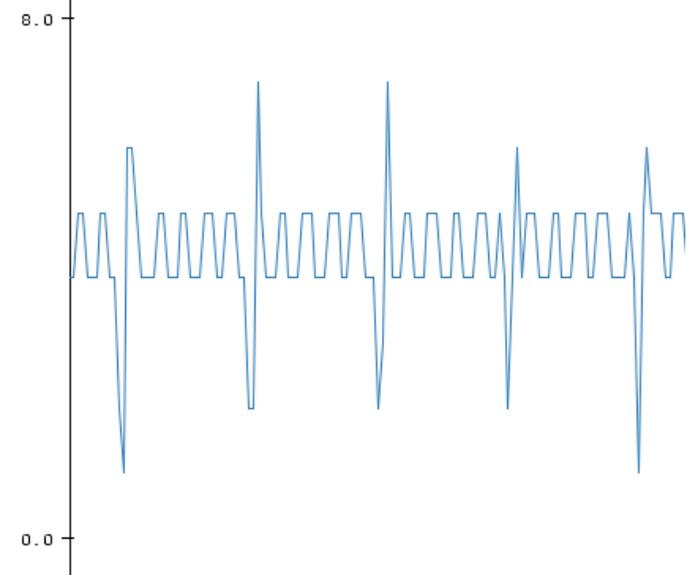
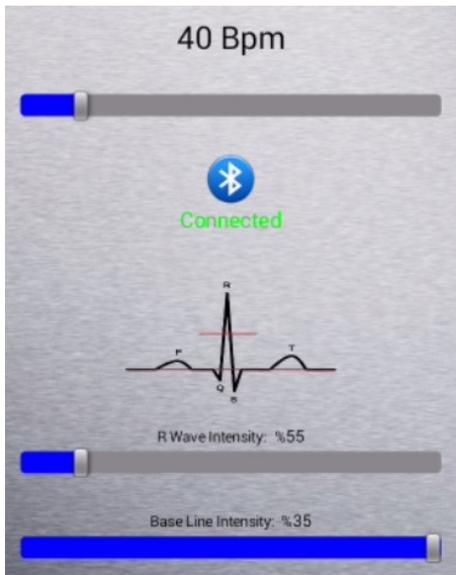
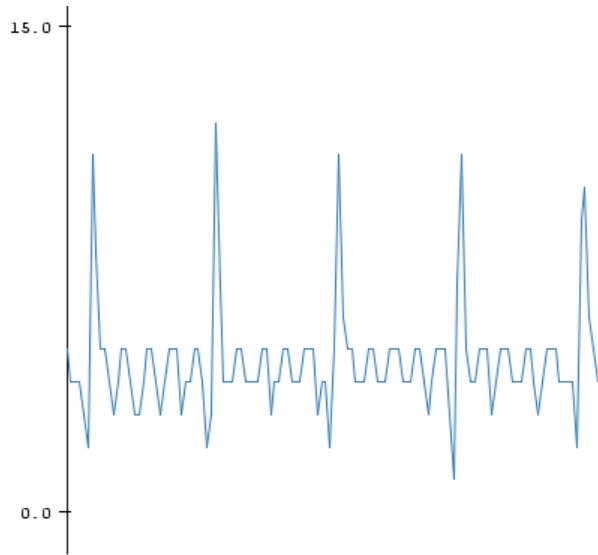
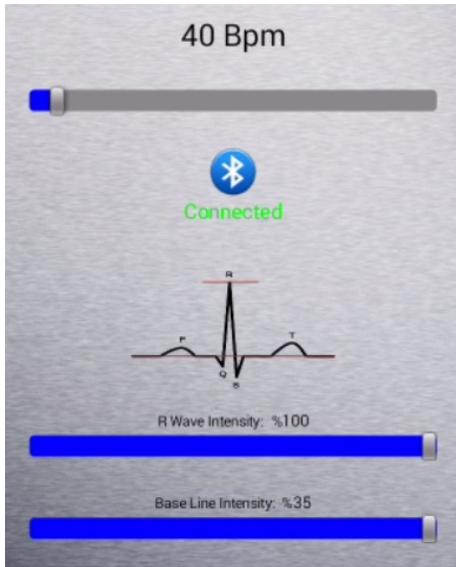


**Step 2:** The devices should be left to charge until they are completely charged.

**DO NOT ATTEMPT TO RUN THE PUMP WHILE IT IS PLUGGED IN!**



Six second samples in mL/sec



Six second samples in mL/sec

