

# RICMOTECH™

HIGH PERFORMANCE  
SIM-RACING EQUIPMENT

## Connecting and Configuring Clark Synthesis Transducers for AP-Xtreme Installation



Please call us if you have any problems during the assembly process.

305-417-9241

## **What to Expect from Clark Synthesis Tactile Transducers**

The Clark Synthesis transducers will transmit tactile sound through your hands and seat so the drivers “hears” sound through their body in addition to their ears. Since all sound originates from vibration our bodies are accustomed to feeling sound. This is the reason going to a live race is substantially more visceral than watching it on TV.

The Clark Synthesis transducers excel at producing tactile sound throughout a greater audible range than other tactile devices. It is recommended to connect them to the full-range output of the PC and not the subwoofer output. Connect these to the front left and right so that they “share” the audio signal with the speakers.

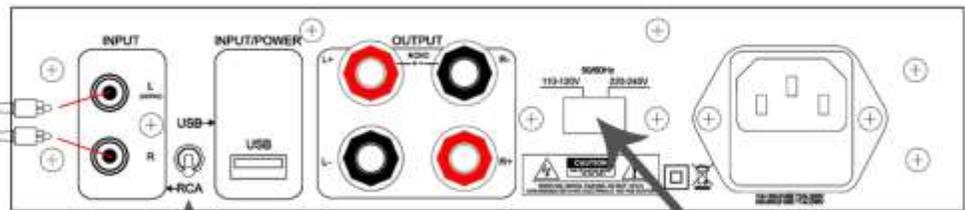
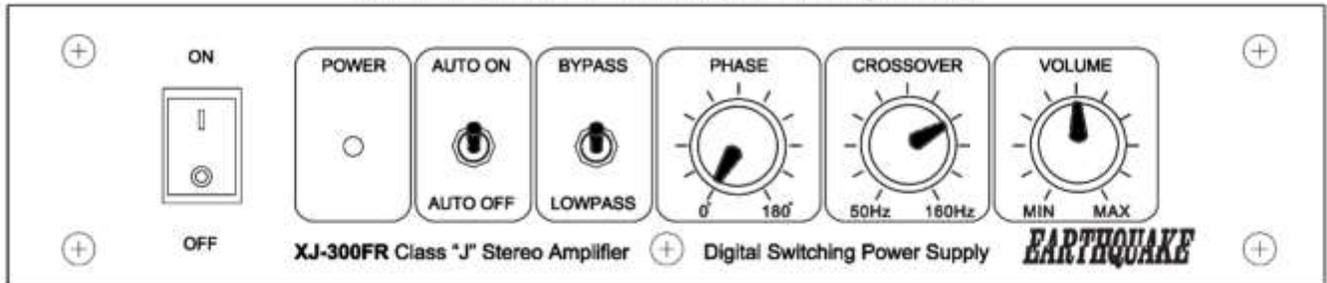
Certain headphones will be able to be used with the headphone jack built into the speaker controller. This is the recommended way to connect the headphones for this application so the transducers continue to function. If USB headphones are used or if headphones are plugged directly into the PC then the Clark Synthesis will not function.

It is normal for the Clark Synthesis to produce some audible sound. As mentioned above, all sound comes from objects that vibrate, therefore if an object is made to vibrate at an audible frequency then it too will produce a sound. Sound emanating from your simulator indicates it is working optimally.

There may be times when these sounds may be undesirable, such as late at night. In this case it is best to turn off the amplifier driving the Clark Synthesis.

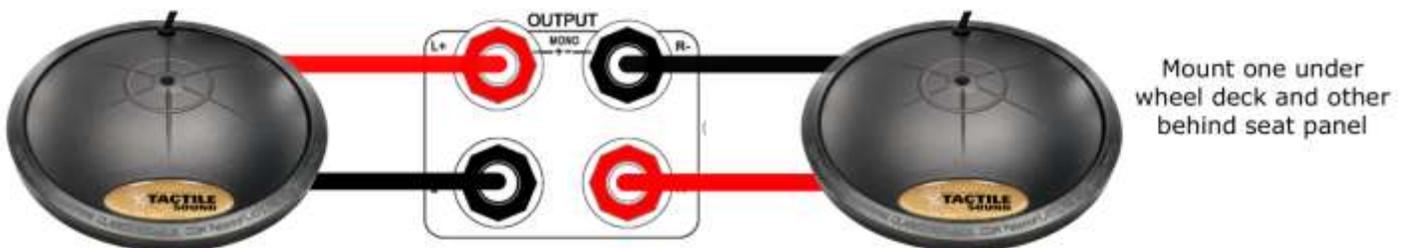
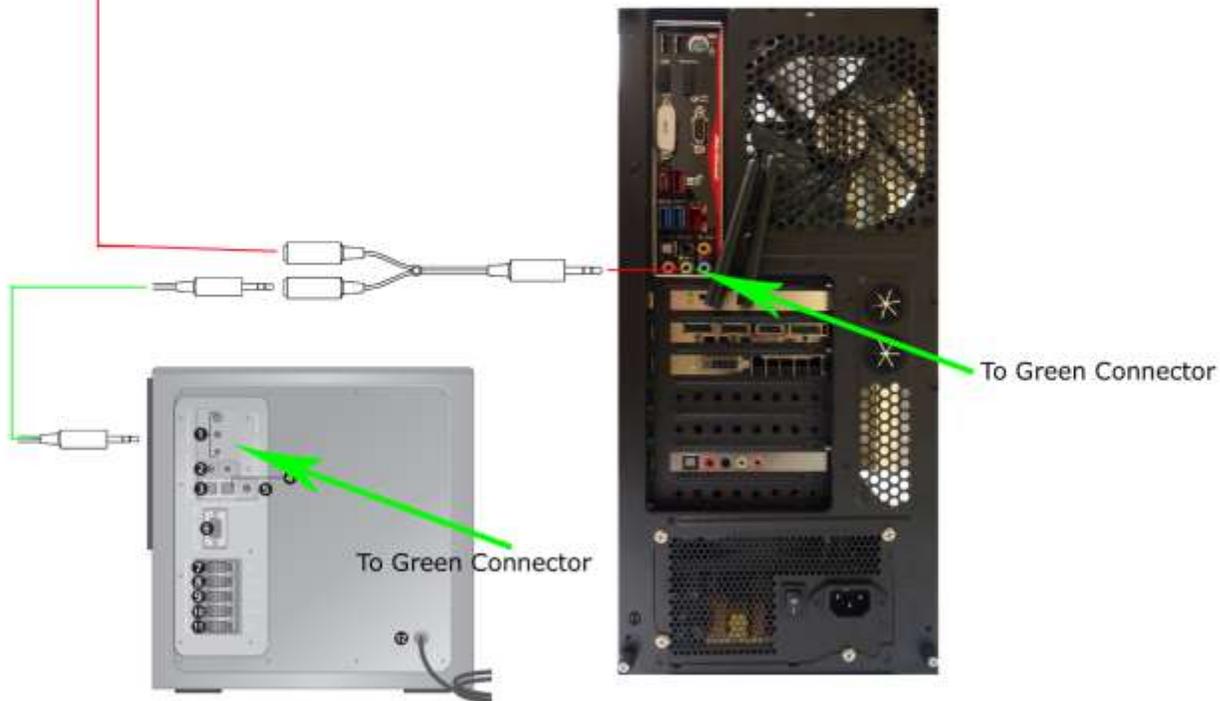
## Recommended Settings for XJ-300ST Amplifier when driving Clark Synthesis Transducers

Set knobs and switches as per drawing below.



Some models do not have this setting.

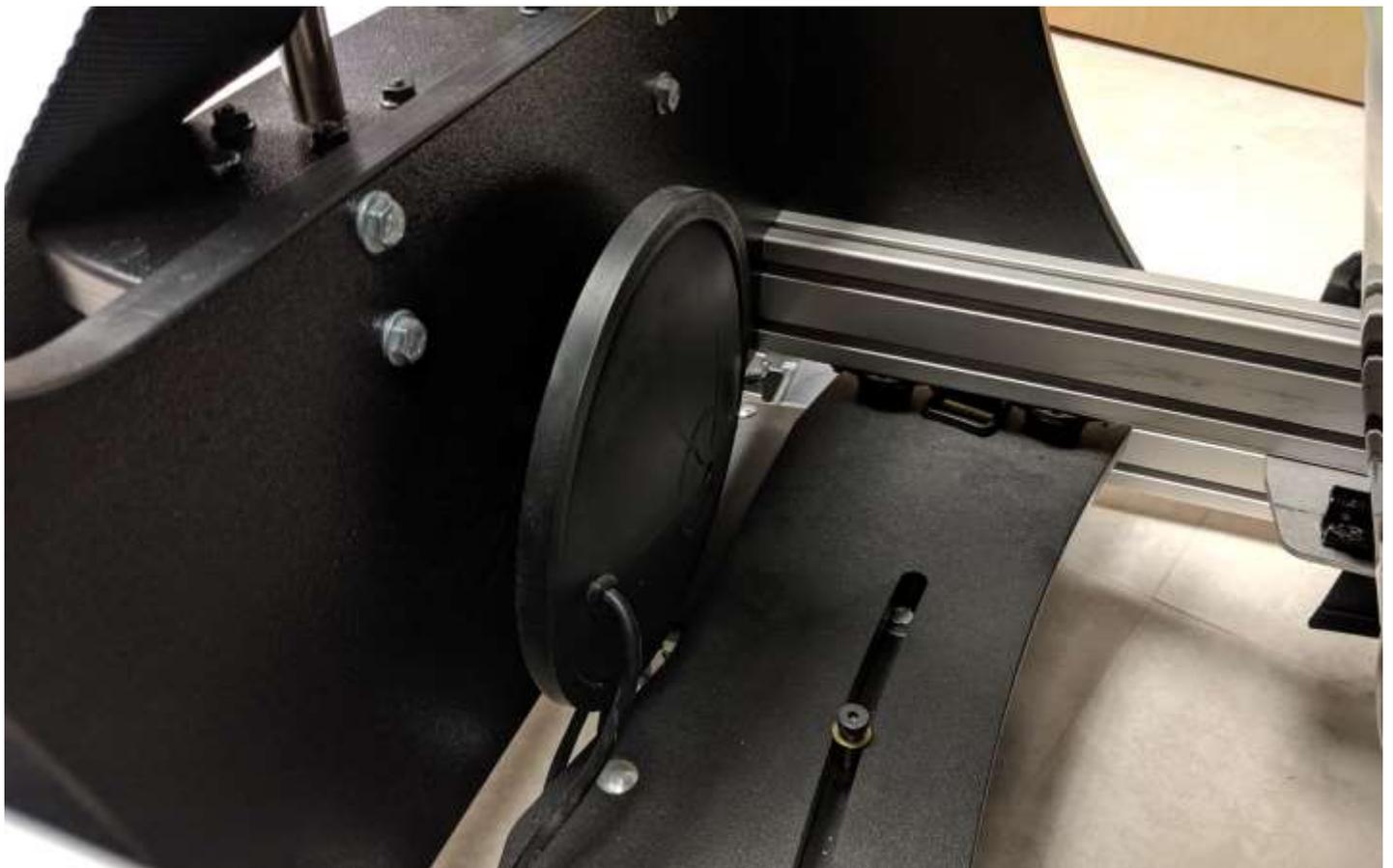
Set for your local voltage. (North America = 110V)



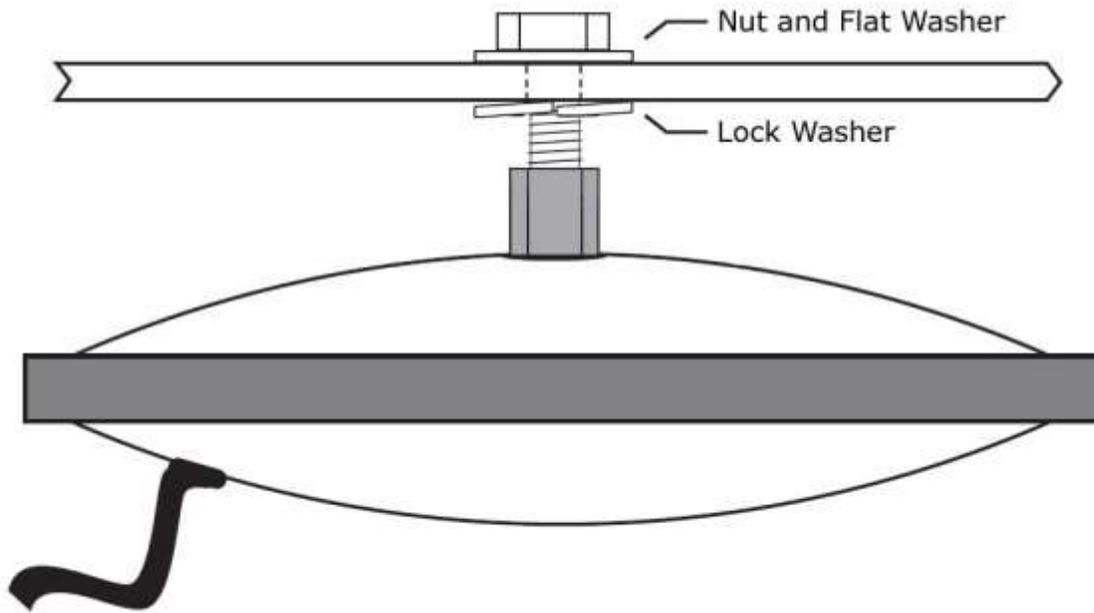
Connection for dual Clark Synthesis transducers



Mounting location under wheel deck



Mounting location behind seat inside of panel



Mount the transducers as shown above.