



### How it works, Dual Rectifiers

The Yamamoto Dual Socket UX4-B4 allows the use of American UX4 sockets and European B4 sockets together.

Specially with the B4 based tubes, Mesh tubes or other gorgeous tubes can be found conveniently.

All you do is wire the anodes of the two footprints in parallel, as shown here.

For the rest, switching from 4V to 5V is automatically done by using other resistors. You need to find the resistors experimental, and the values of each do not have to be the same, so RUX1 can be 1 Ohms and RUX2 can be 0.68 Ohms. So you always find the right resistors to the right tubes.

It is recommended to mark each tube with a dot, so you plug them always in the right position, because with you can force a tube in the wrong socket otherwise.

Furthermore, if you have found some values that you would like to share with others, please let me know. I will add this here

Right now, estimations are:

5U4G: 0,33 Ohms + 0,33 Ohms. Each 5Watt.  
 RGN 2004: 0,68 Ohms + 0,68 Ohms. Each 5Watt.

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