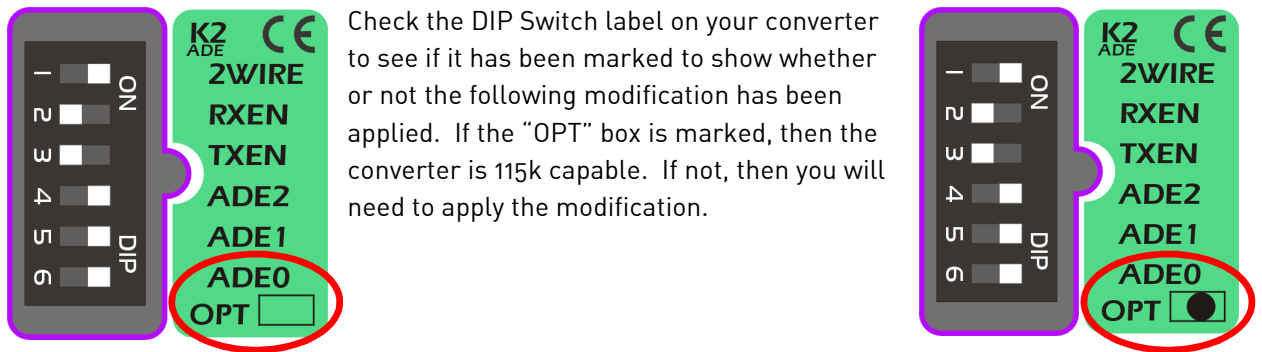# Information

How to modify a K2-ADE RS232-485 converter to work at 115k baud

As standard, the K2-ADE converters will NOT run at 115k, the highest available baud rate being 38k400. Whilst this is not an issue with older systems, or those that incorporate DP224s, DP226s or DP6is, the 4 & 5 Series units are capable of running the comms at 115k.

Check the DIP Switch label on your converter to see if it has been marked to show whether or not the following modification has been applied. If the "OPT" box is marked, then the converter is 115k capable. If not, then you will need to apply the modification.

The switch settings shown above for the NON-modified version are correct for 38k400 operation. On the modified unit, this setting now represents 115k.

Please consult the K2-ADE datasheet supplied with your converter for details of the other switch settings for the non-modified converter.

The following modification has been sourced directly from KK Systems, the manufacturer of the K2-ADE, and will allow the converter to run successfully at the higher baud rate of 115k, as we recommend in systems of only 4 Series units.

Disassemble the converter by unclipping the casing along the side. Be careful not to lose the springs that push the threaded bolts forward.

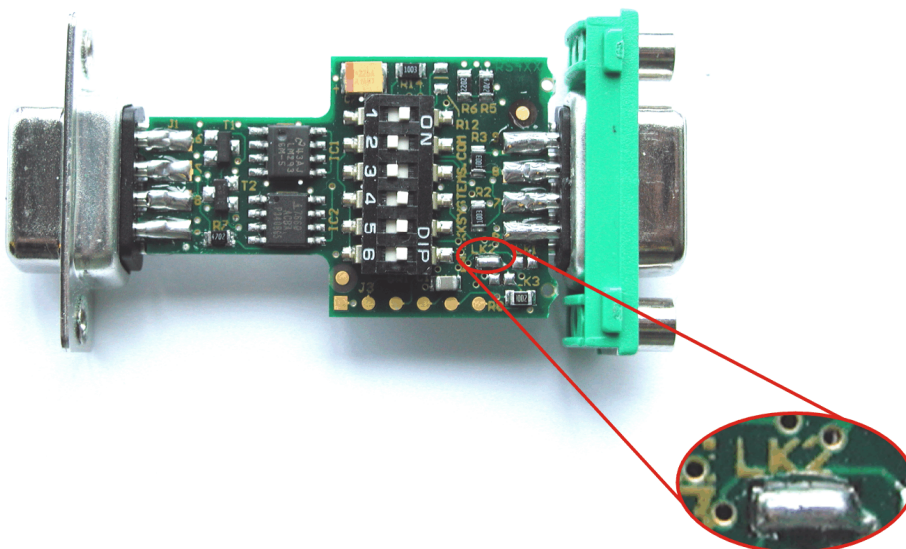The photo below shows the converter from underneath (DIP switches visible).
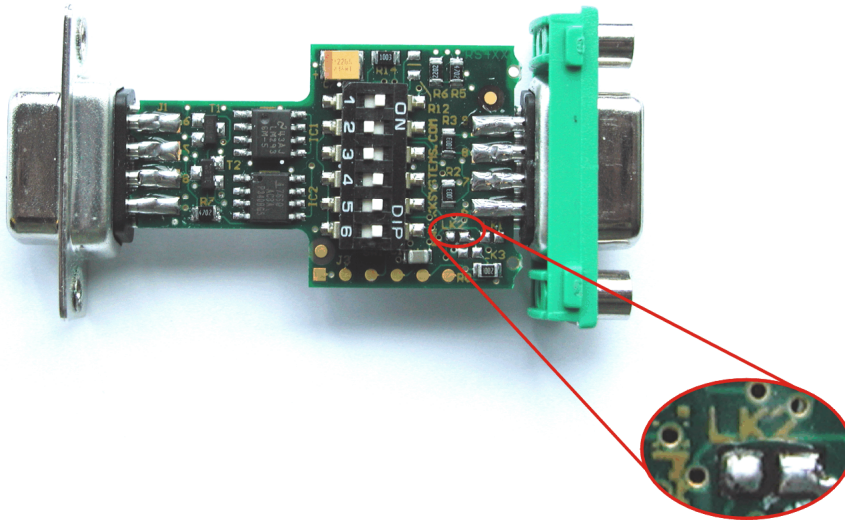
Locate the pair of solder pads labelled LK2.

They are in the bottom right hand corner of the photo as shown here.

They will be UNLINKED at this stage.

They need to be bridged with a small blob of solder, as shown on the photo below.


Be very careful not to bridge any of the other links.

Now, reassemble the converter, and the modification is complete.

Please note the modified DIP switch settings to run at 115k or 38400baud. KK-Systems do not guarantee perfect communications at 38400baud, once the converter has been modified to run at 115k. Our own experiments have shown the interface to work well with the switch settings below, but this is not endorsed by KK-Systems themselves.
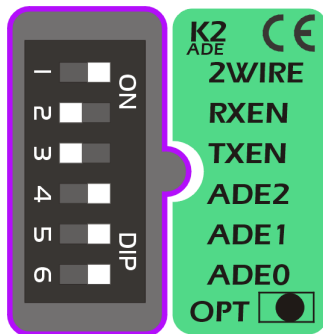
115k - Switches 1, 4, 5 and 6 are ON.
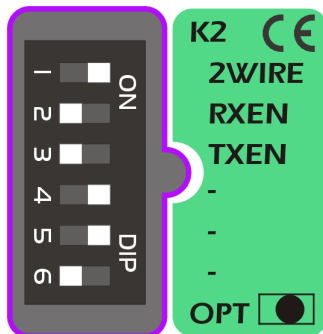
38400baud - Switches 1, 4, and 5 are ON.