

RS232 to TTL Kit Assembly Guide

Quick guide to building your TTL - RS232 kit P/N: 4210
(kit version of P/N: 4202)

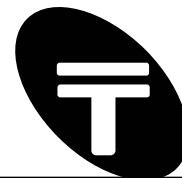
P/N: AI1001
Document version: 1.1
Date: January 2012

Information furnished is believed to be accurate and reliable. However, Tronisoft Limited assumes no responsibility, consequential or otherwise of use of such information.

Email support@tronisoft.com with suggestions or to report document inaccuracies, omissions and errors.

Specifications mentioned in this publication are subject to change without notice. This publication supersedes and replaces all information previously supplied.

© Copyright 2012 Tronisoft Limited - United Kingdom - All Rights Reserved.
<http://www.tronisoft.com>



RS232 to TTL Kit Assembly Guide

**Thank you for choosing this Tronisoft product.
We hope that assembly is as easy as 1, 2, 3!**

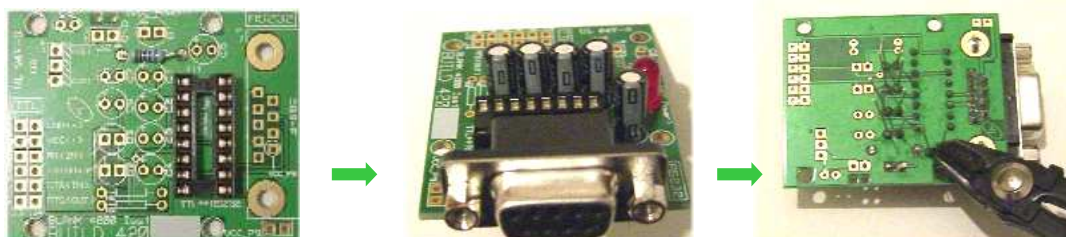
If you are not comfortable with building this kit then please seek assistance from a competent electronics enthusiast or professional.

1) Check Parts List

- 1 x 9 way D-type socket
- 1 x MAX232
- 1 x 16pin DIL socket (for MAX232 device)
- 5 x 1uF electrolytic capacitor (or similar non-polarised for easier construction)
- 1 x 1k resistor (for LED)
- 1 x ultra low current bright red LED (for power status)
- 1 x 6 way (2.54mm pitch) header
- 1 x double sided PCB

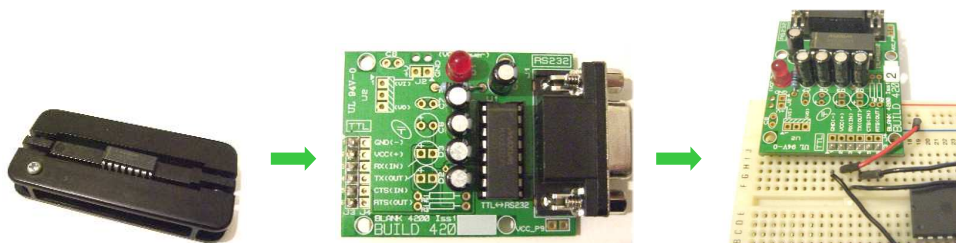
2) Start Soldering!

Fit small components first e.g. the resistor (R1) and DIL socket (U1). Then fit the LED (D1) and electrolytic capacitors (C1-C5) noting their polarity (if polarised ones are provided). Now solder the 9 way D-type socket (J1). After soldering ensure the leads are trimmed using a side-cutter.



3) Finish off and start using!

Now solder the 6 way header (TTL connection) underneath the board (J3). Clean off any flux on the PCB underside using a PCB cleaning solvent or similar and a brush. Finally (preferably using a IC straightner if you have one) ensure the MAX232 pins are straightened and then place into the DIL socket (U1). Take sensible antistatic precautions.



Check all solder joints for shorts or dry joints.

Happy solderless breadboarding!

Feedback always welcome! If you have any suggestions or would simply like to tell us how this product is helping you with your projects or would like to make new product suggestions - we'd love to hear from you! Email us.