

# Appendix C RS232 Connections

The LA101 and LA102 both have two 5 pin domino DIN sockets, connected in parallel, for connecting RS232 compatible devices such as printers, computers or modems. The Lindos SL2 serial printer lead, supplied with the LA102, is suitable for most printers, and computer connecting leads are supplied with the relevant software package. This means that most users will never need to tackle the complexities associated with the plethora of different serial interface connectors in use, and we strongly urge users to purchase spare or replacement leads from Lindos rather than attempting to wire their own. The available leads are:

SL2 Printer lead suitable for most serial printers (2m, 5 pin DIN to 25 pin D type)

SL4 IBM PC AT compatible or lap-top computer lead pair

(3m, 5 pin DIN to 9 pin D type and 1m, 5 pin DIN to 5 pin DIN)

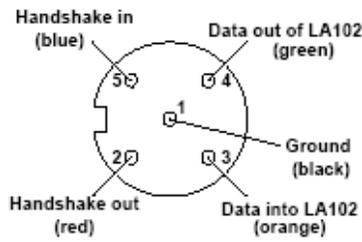
SLP Printer lead suitable for most parallel printers (2m, 5 pin DIN to Centronics).

Note that the SL4 lead pack includes a short 1m lead to connect the LA101 to the LA102 (as explained in section 9.1).

For users who really do need specialist leads, they should be carefully constructed from screened cable to ensure continued EMC compliance

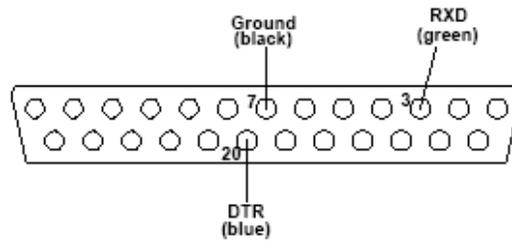
The pin connections of the LA102 socket, together with Lindos recommended colours, are shown in fig. C.1. The LA101 sockets are similar, but the data out and handshake out pins are not connected internally. Connectors for printers and computers being connected to the LA100 should be wired as shown in figs. C.2 to C.6 (using the same colour system as in fig. C.1 for the LA100 end of the lead). LA101 to LA102 leads (for daisy-chaining) should be wired pin to pin, using the colours shown in fig. C.1.

Note that the printer and LA100 connectors (figs C.1 to C.3) are all line plugs (with pins), while the computer leads (figs C.4 to C.6) are all line sockets (with holes).



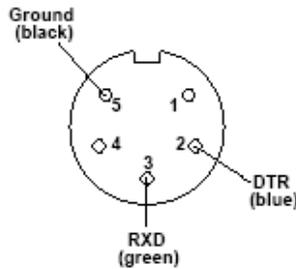
Viewed looking into rear of LA102

**Fig. C.1 LA102 Socket**



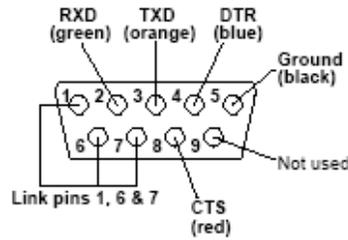
Viewed looking into solder side of 25 pin D plug

**Fig. C.2 Printer Plug**



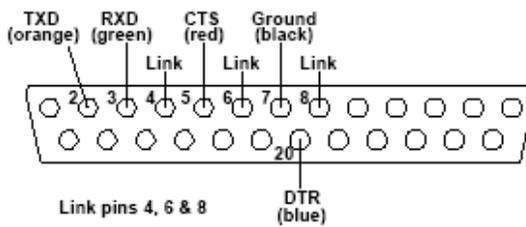
Viewed looking into solder side of 5 pin DIN plug

**Fig. C.3 Epson LQ/P40 Printer**



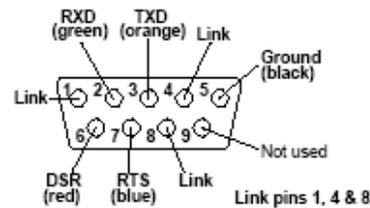
Viewed looking into solder side of 9 way D line socket

**Fig. C.4 IBM PC AT and Lap-top PC**



Viewed looking into solder side of 25 way D line socket

**Fig. C.5 IBM PC XT**



Viewed looking into solder side of 9 way D line socket

**Fig. C.6 Acorn Archimedes/A5000**