

Macintosh to RS232 null modem cable

Short: Macintosh to RS232 null modem cable
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Details of how to build a null modem cable to connect an Apple Mac and Amiga/PC together via their serial ports.

Typical usage

Transfer files between platforms using terminal programs or a TCP/IP connection (via FTP for example). Alternatively give the Mac access to the Internet via the Amiga (requires Miami Deluxe, Genesis or AmiTCP) or PC (requires WinGate or similar).

Disclaimer

I have successfully used this cable design with the following configurations;

<i>Mac computer</i>	<i>Mac software</i>	<i>Other computer</i>	<i>Other software</i>
IIsi	Black Night	Amiga A600	NComm
IIsi	Black Night	WinNT PC	Hyper Terminal
IIsi	FreePPP	WinNT PC	RAS

The cable works for me, however your mileage may vary. Build and use the cable at your own risk. I will not be held responsible for any damage to your hardware.

Requirements

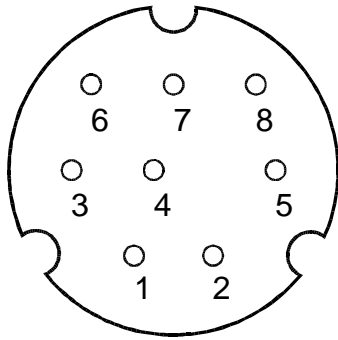
8 pin mini-din male plug (see next page for part numbers)
9 or 25 way d-sub female (depending on serial port)
5 core screened cable

Construction

Solder cores of the screened cable to the plugs as detailed in the table below. As you will discover soldering to the mini-din plug can be rather tricky. Take care not to short any connections together, especially when assembling the shield on the plug. The screen should be connected at one end only. I suggest that you do this at the d-sub.

Mac		RS232			
<i>Signal</i>	<i>Pin</i>		<i>9 pin</i>	<i>25 pin</i>	<i>Signal</i>
HSKo	1	>	8	5	CTS
HSKi	2	<	7	4	RTS
TxD-	3	>	2	3	RxD
RxD-	5	<	3	2	TxD
GND & RxD+	4 & 8	-	5	7	GND
			4 & 6	20 & 6	DTR & DSR

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8 pin mini-din male plug viewed from mating face.

Maplin Electronics: JX06G

Farnell Components: 152-210

RS Components: 463-394

RS Components: 463-518 (fitted with 2m flying lead)

Contacting the author

If you have any questions or problems regarding this cable, please don't hesitate to contact me. For other useful Amiga networking solutions, please take a look at my web site.

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www : <http://www.dynamix.force9.co.uk>

About this guide

This document was created using the following applications;

- Microsoft Word 97
- Adobe Acrobat 3
- Corel Draw 4
- Corel Xara 1.2

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