ams
ADAPTIVE MICRO SYSTEMS INC.

Using a Macintosh computer with AlphaNET *plus* software

Introduction

The following instructions describe how to use a Power Macintosh computer running AlphaNET *plus* software to send messages to a single or multiple ALPHA™ signs.

Required software and hardware

Qty	Part #	Description
1	—	Power Macintosh computer with at least 16 MB RAM (more RAM is recommended)
1	—	[1]SoftWindows 3.0 or greater for PowerPC (This emulates Windows 3.11.)
		[2]SoftWindows 95 for PowerPC (This emulates Windows95.)
1	1088-7813	[3]AlphaNET *plus* II (DOS)
	1092-7802	AlphaNET *plus* for Windows (Windows 3.11 or Windows95)
[1] Available from MacWarehouse (800-255-6227) for about $300.		
[2] Available from MacWarehouse for about $350.		
[3] No longer available after February 1997.		

Table 1: Required software

The required hardware that will be needed depends on how many signs are connected to the Power Macintosh and is shown in the following tables.

Single sign connection

To the sign's RS232 or TTL port

To the DIN8 modem port

Macintosh Power PC running SoftWindows and AlphaNET *plus* software

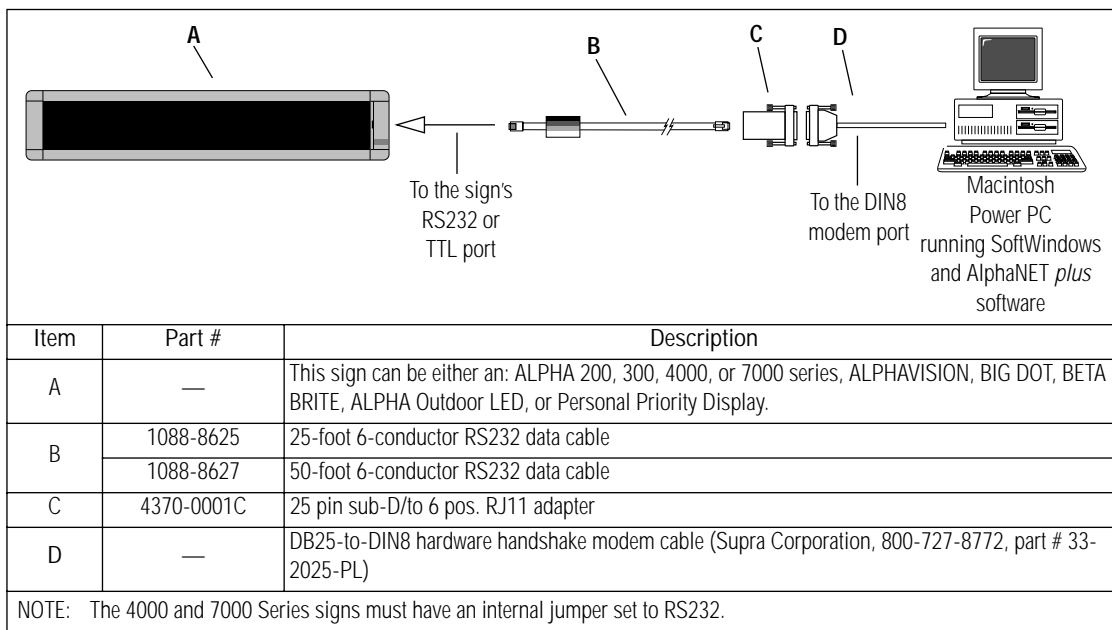| Item	Part #	Description
A	—	This sign can be either an: ALPHA 200, 300, 4000, or 7000 series, ALPHAVISION, BIG DOT, BETA BRITE, ALPHA Outdoor LED, or Personal Priority Display.
B	1088-8625	25-foot 6-conductor RS232 data cable
	1088-8627	50-foot 6-conductor RS232 data cable
C	4370-0001C	25 pin sub-D/to 6 pos. RJ11 adapter
D	—	DB25-to-DIN8 hardware handshake modem cable (Supra Corporation, 800-727-8772, part # 33-2025-PL)
NOTE: The 4000 and 7000 Series signs must have an internal jumper set to RS232.		

Table 2: Single sign connection

Multiple sign connection

Since there are a number of ways to network signs, a typical connection is shown below. For more networking information, see the **Network Configurations** (pn 9708-8046) manual.

NOTE: A Personal Priority Display should *not* be at the end of a network of signs.

To sign's RS485 port

To RS485 connector block

Set switch to *Terminated*.

To DIN8 modem port

Macintosh Power PC running SoftWindows and AlphaNET *plus* software

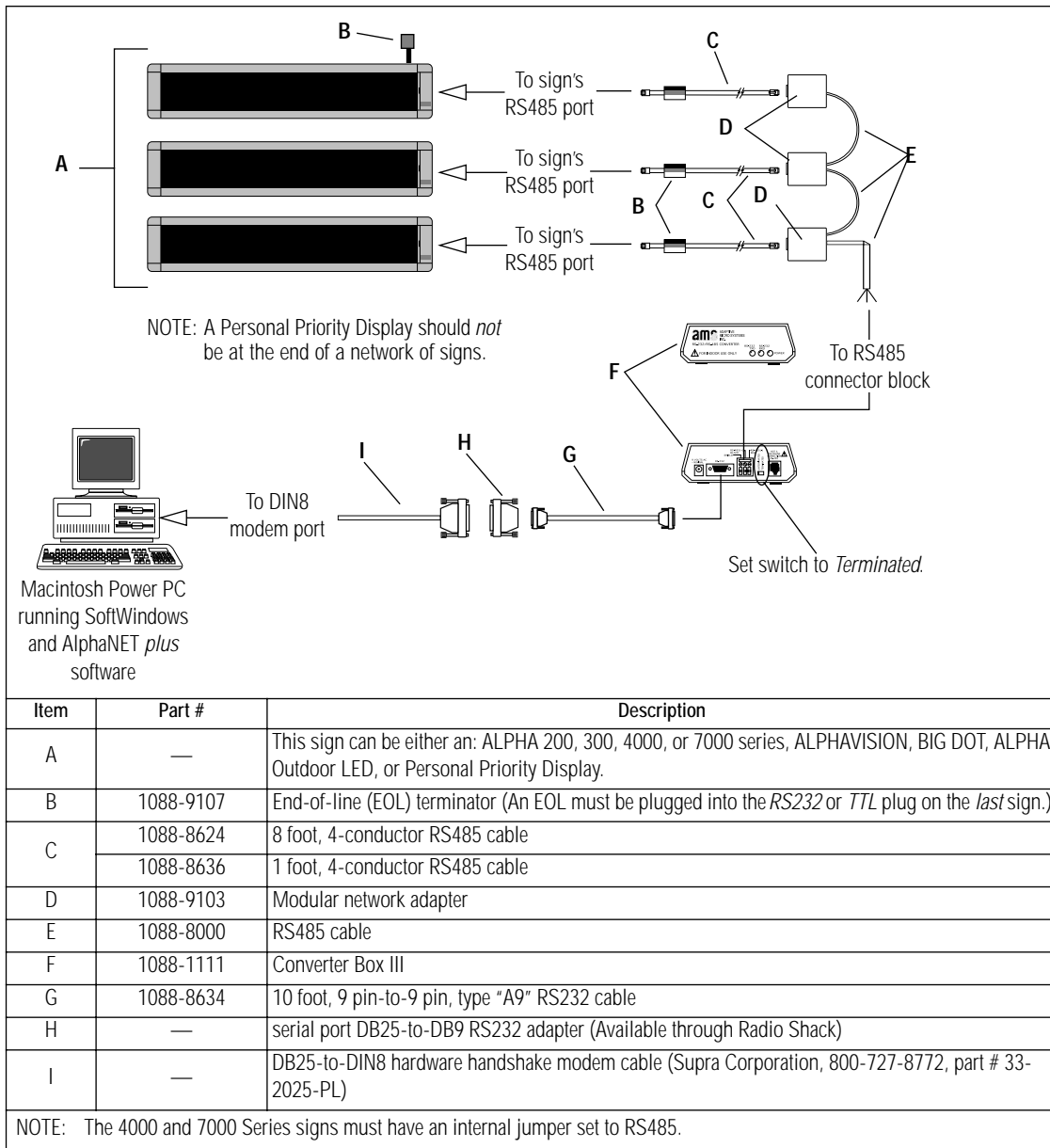| Item	Part #	Description
A	—	This sign can be either an: ALPHA 200, 300, 4000, or 7000 series, ALPHAVISION, BIG DOT, ALPHA Outdoor LED, or Personal Priority Display.
B	1088-9107	End-of-line (EOL) terminator (An EOL must be plugged into the *RS232* or *TTL* plug on the *last* sign.)
C	1088-8624	8 foot, 4-conductor RS485 cable
C	1088-8636	1 foot, 4-conductor RS485 cable
D	1088-9103	Modular network adapter
E	1088-8000	RS485 cable
F	1088-1111	Converter Box III
G	1088-8634	10 foot, 9 pin-to-9 pin, type "A9" RS232 cable
H	—	serial port DB25-to-DB9 RS232 adapter (Available through Radio Shack)
I	—	DB25-to-DIN8 hardware handshake modem cable (Supra Corporation, 800-727-8772, part # 33-2025-PL)
NOTE:		The 4000 and 7000 Series signs must have an internal jumper set to RS485.

Table 3: Multiple sign connection