

MEMORY EXPANSION KIT EXP-878

ASSEMBLY INSTRUCTIONS

This kit adds 256K of memory to a 256K Prophet to bring the total memory capacity to 512K

PARTS LIST:

- 1) one PC-877 board containing the following components:
 - a) J-080 34-pin connector, 1 pc.
 - b) C-023 Capacitor, 1 pc.
 - c) R-308 Resistor Network, 2 pcs.
 - d) C-045 Capacitors, 2 pcs.
- #2 & #3 NOT INCLUDED in parts kit.**
- 2) I-076 RAM IC, 12 pcs.
- 3) J-007 16-pin DIP socket, 12 pcs.
- #4 & #5 NOT INCLUDED in parts kit.**
- 4) I-257 Buffer, 2 pcs.
- 5) 20-pin DIP socket for I-257, 2 pcs.
- 6) C-121 capacitor, 12 pcs.
- 7) 6-32 x 3/8 screws, 4 pcs.

Warning:

The assembly procedure for the EXP-878 kit requires some degree of technical knowledge and skill to successfully build the memory expansion kit. This kit involves installing & soldering electronic components to the PC board. **It is not recommended that persons without prior experience in soldering attempt to assemble this kit!** This assembly procedure must only be attempted by an experienced pc assembler or technician. Permanent damage to the memory expansion can occur as a result of careless or negligent installation procedures. **Wine Country Productions, Inc. is not responsible for damage to the memory expansion kit due to improper assembly. There are no returns!**

Assembly & Soldering Hints

When installing the DIP sockets, be very careful that all of the pins are in all of the holes. Do not begin soldering until you have confirmed that all pins are in their associated holes. Sometimes the pins tend to bend & miss the hole. It is very difficult to remove a DIP socket once it is soldered to the board, so be very careful and take your time. **A mistake here will cost you time & money!**

Soldering Recommendations:

Use a low wattage pencil point soldering iron for assembly. Radio Shack carries an inexpensive soldering iron that is suitable. A sample of solder is also included with this kit for reference. The recommended solder for this PC assembly is "60/40 Light Duty Rosin Core Solder, with .032 diameter". Radio Shack carries the ARCHER Brand, with a catalog #64-005. The small diameter solder gives you more control over the amount of solder you apply to a component. **Use solder sparingly;** too much solder will bridge PC traces & can cause shorts, or flow into the socket & cause problems when the ICs are inserted. Use just enough solder to fill the hole surrounding the component's lead.

Assembly Instructions:

- 1) Familiarize yourself with the parts by checking them with the Parts List.
- 2) The printed circuit board already has some of the components attached to the board. **You will need to complete the soldering of the R-308 resistor network and J-080 connector.**
- IC sockets NOT INCLUDED in parts kit.**
- 3) Install and solder the J-007 16-pin DIP sockets into the locations designated on the PC board as "J-007/I-076". There are 12 of these locations.
- IC sockets NOT INCLUDED in parts kit.**
- 4) Install and solder the 20-pin DIP sockets into the locations designated on the PC board as "I-257". There are 2 of these locations.
- 5) Install and solder the C-121 capacitors into the locations designated on the PC board as "C-121". There are 12 of these locations.

