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Because of the hundreds of requests for information on **EVE Electronic Systems** products and services, it is impossible to answer all responses individually. Therefore, this is a list of **SOME** of the commonly asked questions and answers on the **EVE** line of computer products for the **Coleco ADAM Computer**. In the near future Eve Electronics will establish a 'computer' bulletin board service for question on the products for ADAM, and for placing orders. We will also maintain a mail list for **future product** announcements and information.

Q. What is the EVE SP-1 ?

A. The EVE SP-1 is an interface for the ADAM Computer to allow the use of printers, plotters, modems, etc. The SP-1 has both a parallel printer port, 'Centronics compatible', and a programmable RS-232C serial port.

Q. What printers can be used with the EVE SP-1 ?

A. Any printer with a 'Centronics standard' parallel interface, or an RS232C interface may be used with the **EVE SP-1**.

Q. What printers do you suggest ?

A. There are literally hundreds of different printers on the market today, and that number is growing constantly. Virtually **any** dot matrix, ink-jet, or letter quality printer with either a 'Centronics type' parallel or RS-232C interface will work with the **EVE SP-1**. The following is a list of a few brands and models which are currently being used by **EVE SP-1** owners.

Panasonic - 1090, 1091, 1092	Star - 10X, 15X, Delta 10
Epson - MX-80, MX-100, RX-80, FX-100, LQ1500, LX-80, JX80	
Okidata - 82, 182, 84P, 84S, 192, 193	Anadex - DP-9500, DP-9501
NEC - 5500 series, 7700 series, 3500 series, 8800 series	
Gorilla 'Banana'	Smith-Corona - Fastext 80
Diablo - 620, 630, 1620	Juki - 6100, 6300
Radio Shack - 'parallel printers'	Mannesmann Tally - MT-160L

This list is not complete. If you still have a question about another printer let us know, but most serial or parallel printers will work!

Q. What Plotters can be used ?

A. Just as with the printers, if the plotter has a 'Centronics type' parallel or RS-232C serial interface it will operate with the **EVE SP-1**.

Q. Does the printer or plotter need special software ?

A. The software provided with the **EVE SP-1** includes the 'drivers' for both SmartBasic, and CP/M. We also provide a 'patch' for the EOS operating system to allow printouts directly from SmartWriter and SmartFiler.

Q. Can I print files directly from SmartWriter ?

A. Yes, however, due to the unique codes sent to the ADAM printer, some feature will not work properly without a 'Custom Print Program' for the specific printer you have selected. These include 'underlining' and super- and sub-scripting'.

Q. What is the 'CUSTOM SmartWriter Print Program'?

A. Because of the unique codes required by each different type of printer to perform such functions as 'super- and sub-scripts', 'Italic', compressed, expanded, bold print, etc., a special version of the EOS patch program must be used which has been configured for the particular

printer you are using. We feel we should not restrict you to using only a handful of different printers, but rather allow you to select the unit which best suits your needs and budget.

Q. Can I print files from SmartFiler ?

A. With the EOS PATCH now available you can print directly from Smartfiler.

Q. Can I print spreadsheets directly from ADAMCALC ?

A. No. AdamCalc, like several other 'special protected' programs contain their own printer drivers. Since these programs and their associated drivers were designed to 'prevent' modification, there is no way at this time to allow printouts thru the SP-1. Hopefully, with some cooperation from the software writers, this may be possible in the future.

Q. Can I print graphics with my printer and the SP-1 ?

A. If the printer you select has a graphics mode, or a graphics character set, graphics may be used by either 'your' programs, or with several graphics packages available for CP/M. The EVE SP-1 interface and 'driver' software will allow any 8 bit character to be sent to the printer. Therefore if 'your' program sends the proper sequence of commands to your printer, it will be able to print graphics. In addition several SP-1 users are developing programs for such functions as screen dumps in both monochrome and color for specific types of printers.

Q. Does the SP-1 or SS-CC require external power, ie. 120 VAC ?

A. No, the SP-1 and SS-CC are designed for very low power consumption, and therefore are able to derive the power they need from the ADAM system.

Q. Can I do business graphics ?

A. Yes. There are several excellent CP/M business graphics programs available. One example is 'GRAPHTALK', which supports dozens of different printers. GRAPHTALK will use your data files or keyboard entry to generate PIE CHARTS, BAR-Graphs, Line graphs in a variety of different formats.

Q. Are these programs available for ADAM's CP/M ?

A. Yes. Virtually all CP/M 80 software will work on the ADAM CP/M system providing:

- 1 - There is adequate disk space on your ADAM disks.
- 2 - The screen control codes are or may be configured for ADAM.
- 3 - The program does not use unalterable 'hardware specific' I/O.

Q. Can I use an 'EXTERNAL' modem with the SP-1 ?

A. Yes. The EVE SP-1 may be used with most RS-232C interface modems, including the 'Smart modems', such as the Hayes, Anchor, etc.. The only other requirement is a properly configured communications program.

Q. What Communications programs may be used ?

A. There are many excellent communications programs which operate under CP/M that can be configured to work with the EVE SP-1. Some of these programs are available in the public domain, and others may be purchased. Some of these include MITE, MITE+, ASCOM, MODEM7, MEX, LINK, etc. The program we recommend is the MITE package by Mycroft Labs. This is a very powerful, versatile, easy to use system which will allow file transfers in ASCII and several binary formats.

Q. Is software available to let ADAM work as a 'remote' computer ?

A. Yes. With the EVE SP-1, the MITE communications package, and an auto-answer modem, the ADAM may be set up for remote use. The Mite package has many special features such as password protection, and user privilege levels. There are also some BBS packages available which may be configured for use with the EVE SP-1.

Q. Can I use MITE with the ADAM Modem also ?

A. Yes. However, because the ADAM modem does not allow for 'auto-answer', the full features

and capabilities of the MITE program may not be used.

Q. What baud rates can I use with the SP-1?

A. The SP-1 will operate at any standard baud rate from 50 to 19,200 baud. The configuration program provided will allow easy selection of the more common rates. If another rate is desired, EVE Electronics will provide information on how this is done.

Q. Can I use the SP-1 to communicate with another computer?

A. Yes. This may be done either with a modem over phone lines, or by direct connection to the other computers RS-232C port. It may be necessary to use the information in the SP-1 manual to make the proper connections. For further technical information contact EVE Electronics.

Q. Can the SP-1 be used with the Expansion Module #3?

A. Yes. All EVE Products may be used with the full system. With the Expansion Module #3, all may be used except the 80 column unit.

Q. What is the 80 column unit?

A. The EVE VD-MB 80 Column / Mother-board unit will allow full screen display on all 80 columns under the CP/M operating system and SmartBasic as the PR#4 device. This unit will also contain 4 expansion slots for other EVE interfaces, and a power supply for ADAM. The VD-MB will connect to the ADAM console video output and pass output to a 'monochrome' or 'composite' color monitor.

Q. Will the 80 column unit work on a TV?

A. No. The output of the VD-MB must be connected to a monochrome or good resolution color composite monitor.

Q. Will The 80 column unit work with Expansion Module #3?

A. No. The VD-MB requires the composite video signal from the ADAM console to operate properly. If your Expansion unit has been modified to provide composite output, it will work. EVE Electronics will have available a 'kit' to modify the game system to provide the necessary outputs for the VD-MB.

Q. What Software is usable / transferable to ADAM.

A. If you have ADAM CP/M, you can use almost any 'configurable' CP/M-80 program. EVE Electronics offers this transfer service. Contact us for further information.

Q. What is the SS-CC unit?

A. The EVE SS-CC unit is a Speech synthesizer / real-time clock-calendar interface for the ADAM. It will allow you to create programs to let ADAM 'talk', or you may modify your existing programs. The unit also contains a clock-calendar circuit which may also be used by your programs to allow ADAM to know exactly what time and day it is. The clock-calendar is 'battery backed-up' to retain the time/date information even while ADAM is off for several days or weeks.

Q. Will the Speech synthesizer work in SmartBasic and under CP/M?

A. Yes. Sample programs and information on the phoneme library are provided with the unit. Other optional speech programs will be offered as they become available.

Q. Can I use the SS-CC and the SP-1 at the same time?

A. Yes. Eve Electronics offers the MU-2, and MU-3 multi unit cables to allow use of 2 or 3 Eve products simultaneously. Therefore, you can use the MU-2, the SP-1 and the SS-CC. With the MU-3 you can use the SP-1, the SS-CC, and the DC-1 disk controller, when available. Also, the VD-MB 80 column / mother-board unit will allow 4 EVE units to be installed.

Q. What will the 'disk controller' do?

A. The EVE DC-1 disk controller unit will allow the connection of most commonly available

'generic' disk drives to the ADAM under the CP/M operating system. You will be able to use 3.5", 5.25", and 8" drives, single or double sided, single and double density, with up to 255 tracks. This will give ADAM the capacity for storage of literally 'mega-bytes' of disk storage. This unit will only be supported under CP/M, and will support optional programs to transfer files from several other system disk formats.

Q. What is the ME-64 memory expansion unit ?

A. The EVE ME-64 is a 64 k memory expansion unit which is functionally compatible with the Coleco Memory Expander. This unit plugs in the ADAM memory console, and will be required for some of the software available from EVE Electronics.

Q. Does the ME-64 provide extra memory for SmartBasic ?

A. SmartBasic 1.0 does not support additional 'program' space using the memory expansion unit, however, SmartBasic 2.0 does.

Q. Do you give dealer or club discounts ?

A. EVE Electronics offers dealer discounts for quantity orders of units of the same type. Contact Eve Electronics for further information.

Q. Do you sell games?

A. No, we primarily handle hardware and CP/M business related software. We do however maintain a list of other dealers who handle 'games'.

Q. Can the SP-1 and SS-CC be plugged into the MON-80 ?

A. No. The MON-80 unlike the VD-MB, does not contain expansion connectors. You may use the MU-2 or MU-3 to utilize more than one EVE product at a time.

Q. Will the MON-80 be able to provide power to ADAM ?

A. No. The MON-80 will not have a power supply for ADAM. You may use the PS-1 for this purpose if desired.

Q. Will the MON-80 have a lite pen input ?

A. No. No provision for lite pen is provided on the MON-80.

Q. Will my PS-1 be obsolete when I get the VD-MB ?

A. The VD-MB contains a power source for ADAM. If you already have the PS-1 we will allow a trade-in allowance based on age and condition of your PS-1.

Q. Will it be difficult to remove the SP-1 & SS-CC units from their boxes.

A. The VD-MB will provide the detailed instructions for removal of the EVE standalone units such as the SS-CC and SP-1. For those units which require them, special connector brackets will be provided.

Q. Where may the VD-MB be placed when connected to ADAM ?

A. The VD-MB has been designed to be placed either directly on top of, or to the right of the Memory Console, and plugs into the Expansion port.

Q. Are programs available from other EVE product users ?

A. Yes. We encourage the development of software for use with EVE products, and will provide all information possible. If you have written any software for EVE products, please send it to us for review, and listing in our catalogs.

Q. Where can I get Public Domain CP/M software ?

A. Public domain software is available from many sources, including CompuServe, remote BBS systems, local Computer Societies, etc.. In the future, EVE Electronics will have available a library of such public domain software.