

ORPHANWARE
P.O. BOX 324
CANAL FULTON, OH 44614
216-882-4720

CFM and other important INFORMATION

CFM.COM is a second format utility included on the Master Utility Disk. This is a somewhat easier to use disk format program. It is completely menu driven and will not require that you enter in a lengthy command line. It will format both single and double sided disks. It must be remembered, if you format a single sided disk and have CFM install the operating system, make sure the system comes from a single sided disk. Likewise, insure that the system comes from a double sided disk when putting the system on a double sided disk.

It is important that you print out the file ABP12.DOC found on the disk marked PRN, ABP12, NEWCCP and RMTST. This contains all the information that you will need to patch you CP/M disks to allow access to the larger disk capacity. You will have to take no special actions for your EOS programs, as the EOS operating system recognizes the larger disk without any changes

We at Orphanware would appreciate your thoughts and comments on our products and services. Please write or call with praise or problems. We have adopted the policy that "We will not let you fail".

ORPHANWARE
5665 MYERS ROAD
AKRON, OH 44319
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ORPHANWARE/COLECO Double Side Drive warranty Information

DRIVE S/N	<u>6632</u>	<u>720K</u>
Date of Modification	<u>3/14/88</u>	
Date Shipped	<u>3/15/88</u>	

Orphanware assumes no responsibility for the use of this hardware or software and will not be responsible for damages incurred do to the use of said hardware and software. The modifications to this drive are guaranteed for a period of 30 days from the date of shipment to to the original consumer to be free from defects in material and workmanship. The disk mechanical section that was installed during the modification is warrantied for a period of 90 days. If the drive should fail, return it to the place where purchased for repair or replacement. The software media is guaranteed for a period of 90 days.

CAUTION

This equipment uses radio frequency energy and if not installed and used properly, that is in strict accordance with the manufacturers instructions, may cause interference to radio and television reception. The drivehas been designed and tested to provide reasonable protection against such interference in a typical residential installation. However, there is no guarantee that interference will not occur in a particular installation. If it does cause interference to radio and television reception, which is determined by operating with and without the PIA2, the user is responsible for correction of the interference by one or more of the following measures:

- I. Re-orient the receiving antenna.
- II. Re-locate the computer with respect to the receiver.
- III. Move the computer away from the receiver.
- IV. Plug the computer into a different outlet separate from the receiver.

If necessary, the user should consult his dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the FCC helpful: "How to Identify and Resolve Radio-TV Interference Problems". This booklet is available from the US Government Printing Office, Washington, DC, 20402, Stock # 004-000-0034504

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Introduction

FORMAT13.COM sets up a diskette or tape for use with the CP/M operating system. It also initializes the directory and analyses the entire diskette or tape for defective tracks. When properly installed, FORMAT13.COM will also write the CP/M system to disk. Thus, this version of FORMAT is a combination of the standard FORMAT.COM and SYSGEN.COM distributed with CP//M 2.2 for the Coleco ADAM. FORMAT13.COM has the ability to format single and, when used in conjunction with a double-sided diskette drive, double sided diskettes.

FORMAT13.COM must be used with any blank diskette or tape and with any diskette or tape that may have been used under the EOS operating system ie. used in conjunction with SmartWriter, SmartBasic or other non-CP/M program. Note that the use of FORMAT13.COM will destroy any information already on the diskette or tape.

Program Requirements

CP/M 2.2
and 1 disk drive

To make full use of this program, a doublesided diskette drive such as the one sold by ORPHANWARE is needed.

Backing Up FORMAT13.COM

It is strongly recommended that you create at least two backup copies of FORMAT13.COM before attempting to use the program. One of the copies will be your working copy of FORMAT13.COM while the other will be your primary backup copy. The distribution diskette should not be used again except in an emergency.

FORMAT13.COM is not copy-protected so making a backup is a relatively simple procedure. Use PIP.COM or COPY.COM to copy FORMAT13.COM from the distribution disk to two CP/M formatted diskettes or tapes that have at least 2K of free space available. STAT.COM can be used to verify that 2K is available on the destination disk.

Examples:

```
PIP C:FORMAT13.COM=A:FORMAT13.COM<return>
```

```
or COPY A:FORMAT13.COM A:<return>
```

The two examples copy FORMAT13.COM from drive A to drive C. When the two backup copies are made, put the distribution diskette away in a safe location.

Using FORMAT13.COM

The syntax for the FORMAT.COM program is as follows:

```
FORMAT13 {d:}{/I}{/1}{/2}{/N}{/X}  
where {} are optional parameters.
```

The parameter options have the following effect.

- d: - specifies the drive to format. If the drive is not specified, you will be prompted for the drive to format. Type a carriage return in response to the prompt if you wish to format the default drive. The prompt will indicate the default drive. FORMAT13.COM will prompt you to insert a blank diskette before starting to format.
- /I - installs the CP/M system as part of FORMAT13.COM. When installed, FORMAT13.COM will automatically write the CP/M system to the diskette just formatted. See below for the instructions for installing FORMAT13.COM.
- /1 - formats a diskette single-sided. FORMAT13.COM will automatically select single or double sided formatting depending upon information contained in the operating system. This option will override that automatic selection and force single-sided formatting. This option is useful when preparing a "flippy" diskette with a double-sided drive.
- /2 - formats a diskette double-sided. This option is only necessary when the CP/M operating system has not been configured for use with a double-sided drive. ABP25.COM, a program also supplied by ORPHANWARE, sets up CP/M to work with double-sided drives as well as two serial cards and a parallel printer port.
- /N - By default, FORMAT13.COM will analyze a diskette just formatted for defective tracks. This option cancels that verification process.
- /X - When installed, FORMAT13.COM automatically writes the CP/M system to the diskette just formatted. This

option cancels that process.

Remarks:

- 1) More than one option can specified on the command line.
- 2) A control-C (^C) at any prompt will abort FORMAT13.COM and return you to CP/M.
- 3) After the format process is complete, you will be asked if you want to format another diskette or tape. A yes reply will repeat the format process with all options unchanged. If you wish to change any options including the drive to format, exit and restart FORMAT13.COM with the desired options.

Examples:

- FORMAT13 - you will be asked what diskette to format. FORMAT13.COM will then automatically format, verify and, if installed, sysgen a blank diskette in the specified drive.
- FORMAT13 A: - will format, verify and, if installed, sysgen a diskette or tape in the A drive.
- FORMAT13 A:/N - will format and sysgen but not verify a diskette or tape in the A drive.
- FORMAT13 /N/X/1 - you will be asked what diskette to format. FORMAT.COM will then format single-sided a diskette in the specified drive. FORMAT13.COM will not verify or sysgen that disk.

Installing FORMAT13.COM

As mentioned above, when it is properly installed, FORMAT13.COM will automatically write the CP/M system to the diskette or tape that it has just formatted. During the installation process, FORMAT13.COM will read the CP/M system off an already sysgened diskette and then will save a new version of itself that contains the CP/M system back to disk. When installed FORMAT13.COM will increase in size from 2K to 15K, the difference being the size of the CP/M system. If you should ever modify your CP/M system, repeat the installation process and supply your modified system when FORMAT13.COM requests a CP/M system disk.

The installation process is follows:

- 1) Run FORMAT13.COM with the /I option.
eg. FORMAT13 /I
- 2) You will first be requested to put a CP/M system diskette in one of your drives. Put a diskette

that has already been sysgened with the system that you want to install in FORMAT13.COM and press the <return> key.

3) FORMAT13.COM will then read the system tracks off the supplied diskette and then will ask you to insert a diskette on which it can save the installed version of itself. Note that the diskette should have at least 15K free. Also, you do not have to change disks, FORMAT13.COM can save itself back to the diskette from which it read the system tracks. Finally, FORMAT.COM will erase any copy of FORMAT13.COM that is already on the diskette to which it is saving itself. Press <return> when the appropriate diskette is inserted in the specified drive.

4) The installation process is now complete. FORMAT13.COM will now ask you to insert a blank diskette for formatting. Press control-C if you do not wish to format a diskette. Otherwise, put a blank diskette in the specified drive and press <return>.

5) FORMAT13.COM will now format, verify and sysgen the blank diskette.

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ORPHANWARE FORMAT

Introduction:

ORPHANWARE FORMAT sets up a diskette for use with the EOS operating system. It analyses the entire diskette for defective tracks and initializes the directory and cold boot loader. ORPHANWARE FORMAT has the ability to format single and, when used in conjunction with a double-sided diskette drive, double sided diskettes.

ORPHANWARE FORMAT must be used before a blank diskette can be used by any of the programs that work with the EOS operating system ie. SmartWriter, SmartBasic or other non-CP/M program. CP/M comes with its own format program. Note that the use of ORPHANWARE FORMAT will destroy any information already on the diskette or tape.

Program Requirements:

ADAM and 1 disk drive

To make full use of this program, a doublesided diskette drive should be used. These can be obtained from ORPHANWARE or you can have your single sided drive modified by ORPHANWARE for \$110.00 to \$125.00 + shipping

Backing Up ORPHANWARE FORMAT:

It is strongly recommended that you create at least two backup copies of ORPHANWARE FORMAT before attempting to use the program. One of the copies will be your working copy of ORPHANWARE FORMAT while the other will be your primary backup copy. The distribution diskette should not be used again except in an emergency.

ORPHANWARE FORMAT is not copy-protected so making a backup is a relatively simple procedure. (Please note that this disk is a dual format disk, ie the first 12 blocks are EOS and the remainder of the disk contains the CP/M format and this DOC file). Also, a block copier such as QUICKOPY can be used. Just make sure to copy the first 64 blocks (blocks 0 through 63) to your backup disks. When the two backup copies are made, put the distribution diskette away in a safe location.

Using ORPHANWARE FORMAT:

Insert your working copy of ORPHANWARE FORMAT in disk drive 1 and pull the computer reset switch on the ADAM memory console. The drive will start and, after a few seconds, your screen will clear and you will see the first screen of the ORPHANWARE FORMAT program.

ORPHANWARE FORMAT is a menu driven program and generally provides default choice for each menu. If you like the default selection, simply press <return>. Otherwise, enter the response that you prefer, followed by a <return>.

The first menu asks you to select the drive to be formatted. The choices correspond to the switch selections on the back of the disk drive. Note that disk drive 1 is referred to as drive C by SmartWriter, AdamCalc etc and as D5 by SmartBasic. Disk drive 2 is also known as drive D (AdamCalc etc) and as D6 (SmartBasic).

The second menu asks you whether you want to do a single or double sided format. If you are formatting with a single sided drive, you must select menu item 1, single sided formatting. With a double-sided drive, you may select either menu option. Note that if you are going to do simultaneous formats on 2 drives, they must both be double sided for either to do a double sided format. If you are using a double and a single sided drive, you may only do the single sided format when doing both drives at once.

The third menu asks you whether or not you want to check the freshly formatted diskette for defective tracks. It is strongly recommended that the integrity of all diskettes be verified.

At this point, you will be asked to insert a blank disk into the drive selected for formatting. Press <return> when you have done so. After formatting and verifying (if selected) the diskette, ORPHANWARE FORMAT will give you the option to format another or exit to wordprocessing. If you decide to format another diskette, you will be asked to insert a blank diskette into the previously selected drive. All your other menu selections will also remain in effect.

At any point when the program is waiting for a response from the keyboard, pressing the escape key will restart ORPHANWARE FORMAT, returning you to the opening menu. This is useful if you wish to change any of the format options previously selected. A control-C at any prompt will abort ORPHANWARE FORMAT and place you in word processing mode.

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The included disk for you modified disk drive is a dual format disk. It contains you EOS format utility in the first few blocks and the CPM format utility + a copy of all the documentation for the drive. It is strongly recommended that you copy this disk and put it away. Do not make an attempt to store programs or data on it.

We hope that you will enjoy the new drive and find more usefulness from the ADAM computer. Watch ORPHANWARE for more new products in the coming months. We are currently working on a 10 to 20 meg hard drive and several other inovative products.

POINTS TO PONDER

PLEASE NOTE Use only double sided disks with this drive such as the SONY MFD-2DD. Do not use "HIGH DENSITY" disks. These will not work and will cause problems for you.

On the format disk, you have both EDS and CP/M programs. Do not attempt to write to this disk. We do suggest that you make a dopy for every day use.

When formatting in CP/M, make sure you use ABP25 to set the system for the correct (720K) drive. If you do not do this, the verify portion of the format will not work.