

CENTRAL POINT

COPY II<sup>®</sup>

PC

VERSION

6

TM

PROTECTED SOFTWARE BACKUP  
5¼" ▶ 3½" FORMAT TRANSFER  
KEY DISK ELIMINATION



*Central Point Software*<sup>®</sup> INC

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**COPY II**<sup>®</sup>  
**PC**

VERSION  
6

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PROTECTED SOFTWARE BACKUP  
5 1/4" ▶ 3 1/2" FORMAT TRANSFER  
KEY DISK ELIMINATION

*Central Point Software, INC.*<sup>TM</sup>

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If you need technical support for Copy II PC, please call (503) 690-8080. Press 4 anytime after the automated attendant has answered. Our support hours are 6-5 PST.

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# About this Manual

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## Typographic Conventions

The actual keys you press appear like this: ALT-R. For example, ESC means to press the Escape key. Hyphens between keys tell you to press them simultaneously.

Information that you enter from the keyboard appears like this:

COPYIIPC

Numbered lists (1, 2, etc.) indicate a procedure with two or more sequential steps.

This symbol (□) means a procedure follows.



Important information or warnings use this symbol.

Filenames are in all caps: COPYIIPC.EXE.

Parameters are written using the following conventions:

- Brackets indicate optional terms you may omit. Do not enter the brackets.
- Drives and other variables are in lower case and italic.
- Switches are bold and uppercase.

For example:

COPYIIPC a: [/1][/*Q*][/**SDR**]

This manual is divided into the following chapters:

*Introduction*

*System Requirements*

*Using Copy II PC*

*Using NOKEY.COM*

*Using NOGUARD.EXE*

*Having Trouble?*

*Technical Support*



# Introduction

---

Copy II PC, the backup program for PCs and compatibles, provides these valuable functions:

- Creates archival floppy backups of most protected software quickly and easily.
- Runs some protected software from your hard disk without a key disk in the floppy drive.
- Makes backups of standard, non-protected software with verification. Copy II PC is equivalent to running both DISKCOPY and DISKCOMP.
- Checks your drive speeds.
- Bulk erases disks.

---

## Registration card

Being a registered owner entitles you to technical support. If you purchased Copy II PC directly from Central Point Software, we have already registered you as an owner, and there will not be a registration card enclosed.

Copy II PC is entirely non-protected. Make a backup of the original disk using the standard DOS DISKCOPY command or Copy II PC itself. Then place your original disk in a safe place and use the copy.

Copy II PC is shipped without DOS. You can either boot DOS before inserting Copy II PC, or you can install DOS onto your Copy II PC to make it self-booting. We recommend you use the program SETUP.BAT, supplied on the Copy II PC disk, to install the program files into a subdirectory on your hard disk.

---

**Technical Support**

If you need technical support for Copy II PC, please call (503) 690-8080. Additional information on contacting us by mail or fax is included in the Technical Support appendix.

Our technical support hours are Monday-Friday, 6 am-5 pm PST. Please read the Technical Support appendix and complete the Technical Support Checklist before contacting us.

For information on last-minute changes to the program that was not included in the manual, see the README.TXT file (if one is included). Reviewing this information insures that you have the most current information possible about the programs.

---

**Suggestions for Using Copy II PC**

Copy II PC doesn't require any technical knowledge to use. However, if you run into problems, a troubleshooting section is provided in the back of the manual with suggestions to solve common problems.

If you are not sure which part of Copy II PC to use to make your backup or remove copy protection, try the following suggestions:

- Check the enclosed addendum that contains the names of programs that Copy II PC can copy to see if your program is on the list. (You can also run NOGUARD and scroll through the list of names that appear to see if your program is on that list.) If it is, follow the directions to copy your program.
- Run NOGUARD and select the Protection Scheme Determination option. Follow the prompts on the screen to determine the type of protection used.
- If the scheme is determined, select the option from the on-screen list and follow the prompts.
- If the scheme is not determined, run COPYIIPC and try to copy the disk.
- Try running NOKEY if all else fails.

**Important Notice**

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# System Requirements

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## Memory

Copy II PC requires 64K memory on IBM computers and most compatibles but will take advantage of all available memory to speed the backup process. (See the section "Compatibility" for exceptions to the memory requirements.)

---

## Drives

Copy II PC works on either a 1 or 2 floppy drive system. It can use 5.25" 360K or 1.2 megabyte drives, or 3.5" 720K or 1.44 megabyte drives.

Copy II PC supports both internally and externally connected floppy drives. It is capable of recognizing drives that have been logically configured with DOS and can work with any drive letter specification that DOS recognizes (must be DOS v. 3.2 or higher). **However, you cannot specify your hard drive as the target drive.**

Copy II PC supports the following disk formats:

- 160K
- 180K
- 320K
- 360K
- 1.2MB
- 720K
- 1.44MB

**High capacity disks can only be copied to like capacity disks (1.44MB to 1.44 MB and 1.2MB to 1.2MB).**

- ▼ **Note** *When copying from 5.25" to 3.5", the original disk must have been formatted with DOS 2.0 or higher and be a 9 sector per track disk to be recognized by the 3.5" drive. (In other words, the disk must be formatted as single sided 180K or double sided 360K. You can use the DOS CHKDSK command to check the formatted capacity of a disk.) Otherwise, Copy II PC makes the backup, but when the backup is booted, the message "General Failure" is displayed.*

**To summarize:**

- Copy II PC formats as it writes. However, if copying from a 5.25" disk to a 3.5" disk, the original 5.25" disk must have been created with DOS 2.0 or higher in order for the 3.5" disk to be recognized.
- When using a 1.2 megabyte drive as the target, the backup may not be reliable when run in a standard 360K drive.
- Copy II PC does recognize drives logically configured through DOS, but it does not copy original disks directly onto a hard disk.

---

**Compatibility**

Certain compatibles do not work well with Copy II PC, or have some idiosyncrasies that need to be adjusted.

**AT&T 6300:** Reports of Copy II PC hanging at opening screen have been attributed to AT&T's v. 1.1 ROM/BIOS. Any ROM version above 1.1 should work reliably.

**AMSTRAD 1640:** Before running Copy II PC, the Amstrad setup software should be run and the mouse setting changed to zero.

**IBM PC Jr.:** Requires at least 256K memory.

**ITT EXTRA:** NOGUARD may not process on this machine.

**OLIVETTI:** (see AT&T)

**TANDY 1000 EX and HX:** Requires the addition of the "Memory Plus Expansion" card, available from Radio Shack, which adds DMA (direct memory access) and 128K of memory.

**TANDY 1000 and TANDY 1000 SX and TX:** Requires at least 256K memory.

**TANDY 1200:** NOGUARD may not process on this machine.

**TANDY:** Copy II PC usually does not support more than two floppy drives on a Tandy system. If you are experiencing problems using Copy II PC in this situation, disconnect the third floppy drive and try again.

**TELEVIDEO:** NOGUARD may not process on this machine.

**Copy II PC does not run on these machines:**

AT & T 6300 with ROM v 1.1

Data General 1

DEC/Rainbow

Epson QX-10 and QX-16

Tandy 1000 SX and TX with 128K

Tandy 1000 EX and HX with 256K

Osborne 3

Sharp PC 7000

Wang PC

Hewlett Packard 150

Tandy 2000

# Using Copy II PC

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The following files are contained on the Copy II PC disk:

COPYIIPC.EXE

COPYIIJR.EXE

NOGUARD.EXE

NOKEY.COM

SETUP.BAT

BULKERAS.EXE

Each program is explained in the following sections of this chapter.

---

## Help Screen

Copy II PC provides an on-line help screen accessible from the DOS prompt. Be sure you are in the Copy II PC subdirectory or have the Copy II PC disk in the floppy drive and the drive letter is specified on screen. Then type:

```
COPYIIPC/?
```

The following help options appear:

The following are the recognized parameters for Copy II PC:  
All parameters are optional.

```
COPYIIPC x: y: /1 /X /Q /M /MC /SDR /SRC=zzzz /TGT=zzzz
```

or

```
COPYIIPC x: /T /M /MC
```

"x": is either the source drive where you insert the original diskette or the drive to time (see /T).

"y": is the target drive where you insert the target diskette. This may be the same as the source drive.

- "/1" is used to restrict the copy to one side of the disk only.
- "/X" is used to allow the user to enter special data used in the creation of special errors. The user should have no current need for this option.
- "/Q" is used to force an 80 track copy. Occasionally helpful for machines that have unrecognizable 80 track drives. However, the use of /SRC and /TGT is recommended instead.
- "/M" forces the program to display a variety of diagnostic information in the event you need to call Central Point for help.
- "/MC" forces the program to operate with a MICRO CHANNEL when it is not automatically detected. This should not be necessary.
- "/SDR" tells the program to "Set the data rate." Normally, only AT-type and PS/2 type machines need to set the data rate and they should be automatically detected.
- "/SRC=zzzz" forces the source drive type and
- "/TGT=zzzz" forces the target drive type where "zzzz" is:
- "360K" = 40 track, low data rate, 5.25" drive
  - "720K" = 80 track, low data rate, 3.5 or 5.25 " drive
  - "1.2M" = 80 track, dual data rate, 5.25" drive
  - "1.44M" = 80 track, dual data rate, 3.5" drive
- "/T" runs a timing check on the drive specified.



**SETUP.BAT**

SETUP.BAT installs the Copy II PC program files into a subdirectory on your hard disk.

□ **To use SETUP.BAT:**

1. Insert the Copy II PC disk into the floppy drive.
2. At the prompt type:

```
A:>SETUP X:\C2PC
```

(X= hard drive letter)

You must specify the drive and path. If the subdirectory does not exist, Copy II PC creates it during the installation.

If the subdirectory already exists (you are copying the new files over the old), you may see the DOS error message "Directory already exists" or "Unable to create directory." This message may be ignored.

3. Press ENTER.  
The following screen appears:

```
*      Installation of COPY II PC V6.8 files.
*
*      The path must be specified. For example,
*      SETUP C:\C2PC. If the subdirectory C2PC does not
*      exist, the installation process will create it.
*      (You must specify your hard drive in the path.)
*
*      If the subdirectory already exists on your hard
*      drive, you may see the message "Directory already
*      exists" or "Unable to create directory."
*      These are error messages generated by DOS.
*      It does not affect the process of copying
*      the Copy II PC files into that subdirectory.
*
*      Please note: Older versions of NOGUARD will be
*      renamed to NOGUARD.OLD.
*
*
*      SETUP.BAT
*      NOKEY.COM
*      BULKERAS.EXE
*      COPYIIJR.EXE
*      COPYIIPC.EXE
*      NOGUARD.EXE
*      SETUP.BAK
*
*      7 File(s) copied
*
*      All Copy II PC files have been successfully
*      copied to the specified path.
*
*
A:\>
```

▼ **Note** *If you are installing to a subdirectory that already contains older Copy II PC files, the program NOGUARD.COM will be renamed to NOGUARD.OLD. If you manually copy the Copy II PC files, you must rename or delete the older version of NOGUARD.*

If you want to make the Copy II PC disk self-booting, use the DOS /S command to format a bootable disk, and then copy each program file to that disk.

---

## BULKERAS.EXE

Some software protection methods rely on the absence of correctly formatted sectors on certain tracks. Also, other schemes require the second side of a disk to be blank. If you're having trouble with a target disk, it is helpful to erase it before restarting the copy.

The program BULKERAS.EXE will completely erase a disk. It will erase all disk formats, including high density.

□ **To use BULKERAS.EXE:**

1. At the DOS prompt type:

```
BULKERAS x:
```

x: = The drive in which you will place the disk to be erased.

2. Press ENTER.

The BULKERAS.EXE program has a help screen which may be invoked by typing:

```
BULKERAS/?
```

The following screen appears:

```
The following are the recognized parameters
for COPY II - PC Bulk Eraser.

BULKERAS x: /1 /40 /80 /SDR (all parameters are optional)

"x:" is the drive where you insert the diskette to
be erased. If omitted, the current drive is used.
"/1" is used to restrict the erasure to one side only.
The default is to erase both sides.
"/40" indicates that the drive is to be treated as if
it has only 40 tracks. This is mutually exclusive
with the /80 parameter.
"/80" indicates that the drive is to be treated as if
it has 80 tracks. This is mutually exclusive with
the /40 parameter.
"/SDR" tells the program to "Set the Data Rate". Normally,
only AT-type and PS/2-type machines need to set the
data rate and they should be automatically detected.

NOTE: The last four parameters are for overriding the
automatic drive type determination of the program.
```

---

**COPYIIPC.EXE**

This is the main program file. It copies data from the source disk to the target disk as it is, including bad sectors that may comprise the protection method. It also displays the track and sides as they are being read and written. We strongly recommend that you write-protect any original disk before attempting to back it up.

**□ To use Copy II PC on a 2 drive system:**

1. Change to the Copy II PC subdirectory on your hard disk, or insert the Copy II PC disk into the drive.

2. Type:

COPYIIIPC A: B:

OR

COPYIIIPC B: A:

3. Press ENTER.

The following screen appears:

```
The Personal Computer Disk Duplicator
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Copyright Law or State Software License Enforcement Laws. By using this
product, you agree to be bound by the terms of this notice.

Drive A(0)=1.2M, drive B(0)=1.2M
Set data rate=Yes, Micro Channel=no

Press CTRL-BREAK at any time to return to DOS.

Place SOURCE diskette in drive A.
Place TARGET diskette in drive B.

Press any key to proceed.
```

4. Place the disk to copy into drive A.

5. Place the target disk into drive B.

6. Press any key to begin the copy process.

**□ To use Copy II PC on a single drive system:**

1. Change to the Copy II PC subdirectory on your hard disk, or insert the Copy II PC disk into the drive.

2. Type:

COPYIIPC A: A:

or

COPYIIPC B: B:

3. Press ENTER.

The following screen appears:

```
COPY II - PC
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may be limited or not exist. We suggest you check your state law to see
whether it affects you in this regard. This product is supplied for lawful
purposes only and you are not permitted to use it in violation of Federal
Copyright Law or State Software License Enforcement Laws. By using this
product, you agree to be bound by the terms of this notice.

Drive A(0)=144M, drive B(0)=144M
Set data rate=Yes, Micro Channel=no

Press CTRL-BREAK at any time to return to DOS.

Place SOURCE diskette in drive A.

Press any key to proceed.
```

4. Insert the disk you wish to copy.

5. Press any key to begin the copy process.

Follow the prompts to insert the source and target disks as needed.

---

## COPYIIR.EXE

This file works specifically on an IBM PCJR with at least 256K memory, all of which must be available to DOS. In other words, no RAM disks or print spoolers, or other memory intensive programs can be in memory. COPYIIR supports both Quadram memory expansion and Racore memory expansion (running in the Junior mode).

If COPYIIR doesn't find enough memory in the PCJR, it will issue the following message:

"Install the PC/JR's memory option on your DOS disk..."

This means that the install disk that came with the extra memory board has not been run. Be sure and run any installation disk that came with your memory board, then try running COPYIIJR again.

Follow the same commands as explained in the COPYIIPC.EXE section.

---

### **Drive Speed Check**

To properly read the data on disks, a disk drive must spin at the right speed. This speed is usually set at the factory, but with time and use, the drive speed can drift. If the speed changes too much, I/O errors can occur, or data can be written that is unreadable on a normal speed drive. Copy II PC contains a program that checks the speed of your floppy drives.

**□ To check drive speed:**

1. Change to the Copy II PC subdirectory on your hard disk, or insert the Copy II PC disk into the drive.

2. Type:

```
COPYIIPC X:/t
```

(X = letter of the drive you are testing.)

3. Press ENTER.

You may either leave the Copy II PC disk in the drive or use any other disk.

4. Press any key to begin the check.

The following screen appears:

```
COPY II - PC Release 6.0
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may be limited or not exist. We suggest you check your state law to see
whether it affects you in this regard. This product is supplied for lawful
purposes only and you are not permitted to use it in violation of Federal
Copyright Law or State Software License Enforcement Laws. By using this
product, you agree to be bound by the terms of this notice.

Drive A(0)=144M, drive B(0)=144M
Set data rate=Yes, Micro Channel=no

Place a diskette in drive A

Press any key to proceed.

Timing test proceeding. Press any key to terminate.

For a standard 5 1/4 inch or a 3 1/2 inch drive the
count should be between 197 and 283. For a 1.2 MB
hi-capacity drive, the count should be between
164.16 and 169.16.

Current count 288.2, average 288.2
```

5. Press any key to terminate the check.

# Using NOKEY.COM

---

This program intercepts the call to the floppy drive for the original or "key" disk. Some protection methods allow users to copy the program (to a floppy or hard disk) but require that the original disk be inserted in the floppy drive to start it.

**□ To Install NOKEY.COM onto a floppy backup disk:**

1. Make a backup copy of the disk you wish to install NOKEY onto, following the directions in the COPYIIPC.EXE section.
2. Change to the Copy II PC subdirectory on your hard disk, or insert the Copy II PC disk into the drive.
3. Insert the backup disk into drive B.

(On single drive systems, you will be prompted when to change disks.)

4. Type:

```
COPY NOKEY.COM B:
```

5. Press ENTER.

The message "1 file(s) copied" appears when the process is complete.

---

## Using NOKEY with a Backup Disk

After you have copied your original disk with COPYIIPC, you can then install the NOKEY program on the backup disk as described above. Subsequent operation of the program on that disk will not prompt you to insert the original disk.

**□ To use the backup with NOKEY installed:**

1. Insert the backup disk with NOKEY installed into the drive.
2. At the prompt, type:



NOKEY

3. Press ENTER.

A copyright notice appears along with a message that NOKEY is now installed.

4. At the DOS prompt, type the command you normally use to call up the original program.

It should now run without asking you to insert the original disk.

▼ *Note* If there is no room on the backup for the NOKEY program, simply run NOKEY from the Copy II PC disk or subdirectory before running the backup.

To remove NOKEY from memory, type NOKEY/R at the DOS prompt.

---

**Using NOKEY with a Hard Disk**

Many programs allow installation to a directory on a hard disk, but every time you want to run that program, you are required to insert the original disk. By installing the NOKEY program into the directory, NOKEY will intercept the check to the floppy drive, so you do not have to insert the original disk anymore.

**□ To use NOKEY to run protected programs from a hard disk:**

1. Follow the instructions from the manufacturer for installing the program onto your hard disk.

If no instructions are provided, then use the DOS file copy command to copy the program files onto your hard disk.

2. Copy the NOKEY.COM file into the program subdirectory on the hard drive.
3. To run the program from the hard disk, type:

NOKEY

4. Press ENTER.

NOKEY installs itself in memory.

5. Type the command you normally use to call up the program.

▼ *Note* To remove NOKEY from memory, type NOKEY/R at the DOS prompt.

□ **Using NOKEY to copy from a 5.25" disk to a 3.5" disk:**

1. Use the DOS file copy to transfer the 5.25" original program files to a 3.5" formatted disk.
2. Copy the NOKEY.COM file to the 3.5" disk using the instructions listed under "To Install NOKEY.COM onto a floppy backup disk" described earlier.
3. To use the 3.5" backup type NOKEY and press ENTER immediately before running the program.
4. After NOKEY is installed, type the command you use to call up the program and press ENTER.

## Using NOGUARD.EXE

---

NOGUARD is used to remove certain copy protection schemes from a program on a hard or floppy disk. NOGUARD also removes some manual verification checks.

NOGUARD actually strips off the copy protection from the floppy backup disk (made with Copy II PC) or from the hard disk installed copy. NOGUARD is designed to remove specific copy protection methods, namely Superlok, Prolok, Everlok, and Sierra On-Line.

Each of these protection methods involves a different scheme. The Superlok method uses hidden files that call up a request to insert the original or key disk for verification. Prolok uses an actual physical flaw on the disk. The Sierra On-Line method is similar to Superlok.

▼ *Note* The Sierra On-Line protection method is handled provided the disk is not self-booting.

You may not know that your program is protected with one of these methods, but if you back it up with Copy II PC, it will almost always alert you to this fact and advise the use of NOGUARD to remove the protection.

▼ *Note* In the case of Sierra On-Line, Copy II PC may indicate a Superlok scheme, but if the program is from Sierra On-Line, use the Sierra On-Line option.

---

### Which Disks Will Require NOGUARD?

If a program comes with several disks, usually only the program and install disks are protected. When backing up other disks in the package, such as tutorial and utility disks, NOGUARD may prompt that it is needed but usually a standard Copy II PC or DOS copy will work. (NOGUARD may give the message "Cannot find proper files to process," which usually means it is not needed.)

- ▼ **Note** *Early versions of Sierra On-Line products such as King's Quest, King's Quest II, and Black Cauldron are self-booting and do not require the use of NOGUARD.*

*The Superlok hard disk based option will only work on Superlok v.3.0 and above.*

*NOGUARD cannot be processed directly to a Bernoulli Box.*

□ **To run NOGUARD:**

If you want to copy a protected program that's on the NOGUARD list from a floppy disk to your hard drive, we recommend you create a subdirectory for that program on the hard drive prior to running NOGUARD. For example, create a subdirectory called TEMP and then run NOGUARD. When NOGUARD prompts for the target, you would specify X:\TEMP (X = hard drive letter). You can rename the subdirectory after NOGUARD has finished.

1. Change to the Copy II PC subdirectory on your hard disk, or insert the Copy II PC disk into the drive.
2. Type:

NOGUARD

(If you have a color monitor, NOGUARD appears in color. If you want better resolution on your color or monochrome monitor, type: NOGUARD/bw)

3. Press ENTER.

The following screen appears:

```

COPY II PC - NOGUARD Release 6.8
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Unauthorized duplication prohibited.

IMPORTANT NOTICE: Under the Federal Copyright Law the owner of a copy of a
computer program is entitled to make a new copy for archival purposes only.
Some software is licensed, not sold. Subject to state law regarding the
enforceability of shrink-wrap license agreements, your right to make backups
may be limited or not exist. NOGUARD is supplied for lawful purposes only.
By using this product, you agree to be bound by the terms of this notice.

Select the menu item desired with the cursor
control keys. ENTER will invoke the selected option.
ESCAPE will always exit.

Protection scheme determination
SUPERLOR protection removal - diskette based
SUPERLOR protection removal - hard disk based
PROLOK protection removal - new versions
PROLOK protection removal - old versions
EVERLOCK protection removal - old versions
↓ SIERRA ONLINE protection removal - diskette based

```

- Use the cursor keys to scroll up and down the list.

▼ **Note**

*When using the "diskette based" menu options, the source drive must be a floppy disk. The target drive can be either a floppy or hard disk. When using the "hard disk based" menu options, the source drive must be the hard disk subdirectory into which the program was originally installed. The target drive can be either a floppy or hard disk.*

The first entry in the list, Protection scheme determination, attempts to determine the type of protection used. If you cannot find the name of the program you want to use, try this option.

The generic protection removal listings will remove the protection from disks protected by what NOGUARD determined to be the protection method utilized. These are useful if your program is not specifically listed by NOGUARD.

If the Protection scheme determination is unable to determine the protection type, try Superlok first as it is the most common copy protection method. Next try Prolok, then Everlok. It won't hurt to try the wrong one first – if NOGUARD doesn't think you have selected the right protection method, it will inform you.

4. Select your program or the appropriate generic entry from the list.
5. Press ENTER.

Follow the prompts on screen. NOGUARD must know if your original disk will be a floppy or hard disk installed copy, and where to find them.

NOGUARD may also ask you whether you want all the files copied to the new disk or hard disk subdirectory (unless you specify that the target disk is a Copy II PC made backup).

When it is done, test your backup! If you already had the program installed on your hard disk before running NOGUARD, we recommend uninstalling to your original disk. By doing this, you won't lose any installs.

---

### **Hard Disk Protection Removal**

*The hard disk based protection removal only works with Superlok and Everlok protection schemes. If you have a Prolok protected program installed on your hard disk, uninstall it to the original diskette and use either of the diskette based Prolok options.*

If you are removing copy protection from a previously installed protected program (such as Symphony or Lotus 1-2-3) on your hard disk, you must create a new subdirectory first. This is so you do not lose an install on your original floppy. It also protects you in case something goes wrong during the copy process (such as a power failure). When NOGUARD is done, and after you have tested the software in your new subdirectory, you can uninstall the software from the original directory. You can then copy the unprotected, executable program from the new directory into the original directory.

- ▼ **Note** *Normally, an uninstall will remove only the protected executable program, which means you can copy the NOGUARD-created program to the original subdirectory.*

*However, some Superlok protected programs will delete all files and their parent subdirectory during an uninstall. If this is the case, there would not be an original subdirectory to copy the unprotected program into after running NOGUARD. In order to preserve the installs from the original floppy, you must copy all the files and child subdirectories (subdirectories contained within the original subdirectory) into another subdirectory, then*

*run the uninstall on the original subdirectory after running NOGUARD. You may then have to rename the subdirectory containing the NOGUARD-created files to the name of the original subdirectory.*

**□ To remove protection from a hard disk based program:**

1. Create a new subdirectory on your hard disk.

For example, if you are removing the copy protection from Lotus 1-2-3 and you have already installed Lotus 1-2-3 into a subdirectory called 123, then you would create a new subdirectory. In this example, we will use "NEW123."

2. Type:

```
MD C:\NEW123
```

3. At the prompt, type:

```
NOGUARD
```

4. Press ENTER.

5. Select Lotus 123 from the list.

```

COPY II PC - NOGUARD Release 6.8
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IMPORTANT NOTICE: Under the Federal Copyright Law the owner of a copy of a
computer program is entitled to make a new copy for archival purposes only.
Some software is licensed, not sold. Subject to state law regarding the
enforceability of shrink-wrap license agreements, your right to make backups
may be limited or not exist. NOGUARD is supplied for lawful purposes only.
By using this product, you agree to be bound by the terms of this notice.

Select the menu item desired with the cursor
control keys. ENTER will invoke the selected option.
ESCAPE will always exit.

↑ Interplay - BATTLE CHESS
The Learning Company - THINK QUICK
Lotus - 123 REPORT WRITER
Lotus - 123
Lotus - SYMPHONY
Lucasfilm Games - BATTLEMANIA 1942
↓ Lucasfilm Games - PIPE DREAM
    
```

▼ **Note**

*The other selection that would be appropriate for this procedure is the Superlok protection removal-hard disk based.*





This is the subdirectory where your NEW, unprotected version is to be located (in our example, "NEW123").

```
COPY II PC - NOGUARD Release 6.0
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Unauthorized duplication prohibited.
```

```
SUPERIOR hard disk based protection removal

Specify the target drive and path. It should
be a blank formatted diskette or an empty
sub-directory. If the sub-directory already
has this program installed there, you
may lose your "install".

C:\NEW123
```

9. Press ENTER after typing the target drive and path.

The following screen appears:

```
COPY II PC - NOGUARD Release 6.0
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Unauthorized duplication prohibited.
```

```
SUPERIOR hard disk based protection removal

Be sure all drives are ready.

Press any key to proceed.
```

10. Press any key to begin the process.

NOGUARD will now unprotect the file and copy it into the new directory.

11. When NOGUARD has finished, press ESC to exit.

The original subdirectory remains unchanged. You now have the unprotected version of the program in the new subdirectory. If you list the new subdirectory, you see a `PROGNAME.COM` and/or a `PROGNAME.EXE` file.

▼ *Note* If you selected the Everlok option, NOGUARD may ask if you want all of the files copied to the new subdirectory. Select the appropriate response.

*If you selected the Superlok option, NOGUARD will normally be able to determine the program name. You can manually enter it, but this is not usually required.*

For the other options, NOGUARD will ask for the name of the file to unprotect. This is usually the name that you enter to run the program, followed by either `.COM` or `.EXE`. In some cases, you start a program using a batch file. You will need to find the name of the `.COM` or `.EXE` file that actually runs the program in order to use NOGUARD. Here are some hints:

- It is usually the name of the file you type in to run the protected program, plus either `.COM` or `.EXE`. For example, Lotus 1-2-3 is `123.COM` and Sierra programs are usually `SIERRA.COM`.
- If your original program is protected with Superlok, the file you are looking for is usually about 2,000 or 3,000 bytes long (it may be a little bigger).
- If your original program is protected with Prolok, the file you are looking for is usually much larger than a Superlok file.

---

### Uninstalling a Program from the Original Subdirectory

Now is the time to uninstall the program from the original subdirectory (remember, you can always reinstall it if necessary). After the program is uninstalled, just copy the NOGUARD-created unprotected program from the new subdirectory to the original subdirectory.

- In the previous Lotus example you would type:

```
COPY C:\NEW123\123.* C:\123
```

or

```
COPY C:\NEW123\*.* C:\123
```

Your program should now run as always.

▼ *Note* Normally, an uninstall will remove only the protected executable program, which means you can copy the NOGUARD-created program to the original subdirectory. However, some Superlok protected programs will delete all files and their parent subdirectory during an uninstall. If this is the case, there would not be an original subdirectory to copy the unprotected program into after running NOGUARD. In order to preserve the installs from the original floppy, you must copy all the files and child subdirectories into another subdirectory, then run the uninstall on the original subdirectory after running NOGUARD.

### Floppy Disk Protection Removal

1. Back up your original disk with Copy II PC.

Copy II PC will usually (but not always) alert you if NOGUARD can be used to entirely strip the copy protection. If not prompted for NOGUARD, check the backup list as the program may require NOGUARD anyway.

▼ *Note* In the case of Sierra On-Line, Copy II PC may indicate a Superlok scheme, but if it's from Sierra On-Line use the Sierra On-Line option.

2. Run NOGUARD.
3. Select one of the diskette based entries or the name of the program you wish to unprotect.
4. Enter the letter of the floppy drive that will contain the original disk.

```
COPY II PC - NOGUARD Release 6.0
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```

**SUPERLOK diskette based protection removal**

Indicate where the original diskette is to be inserted. It is expected that this is indeed a floppy.

Drive=( )

**NOTE - Older versions of SUPERLOK require the source diskette in drive A. If NOGUARD fails, you need to re-run specifying drive A.**

5. Answer Y or N to the question if the target disk is a Copy II PC created backup.

COPY II PC - NOGUARD Release 6.0  
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~~NOGUARD diskette based protection removed~~

Will the target of this process be a  
COPY II PC-created backup diskette?  
(y) (Y/N)

6. Enter the drive letter that will contain the Copy II PC created backup.

(The source drive must be the A drive for older Superlok protected disks.)

NOGUARD will ask if you want all the files copied to the new disk only if the new disk is not a Copy II PC created backup. Select the appropriate response.

7. NOGUARD prompts you to enter the filename or let it determine that for you.

```
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```

**SUPERLOE diskette based protection removal**

NOGUARD will inspect the original files and will normally be able to determine the file names. If NOGUARD is unable to find the proper file, you can manually specify it.

Do you wish to specify the file name? [n] (Y/N)

8. Insert the original disk into the specified drive. Be sure it is write-protected, or NOGUARD will not proceed.

```
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```

**SUPERLOE diskette based protection removal**

Insert ORIGINAL diskette into drive A.  
The ORIGINAL MUST have a write-protect tab installed or NOGUARD will not proceed.

Insert the BACKUP created with COPY II PC into drive B.

**Press any key to proceed.**

- When NOGUARD has finished, press ESC to exit.

Test your backup – it should work just like the original, except that it is not copy protected. The original remains unchanged.

**How Can You  
Determine if  
NOGUARD Has  
Processed Correctly?**

- NOGUARD reports that it has been successful or just returns the system to the DOS prompt.
- For Superlok only: NOGUARD creates one or two new files on the backup disk or hard disk. They are listed in the directory as the program name with a .COM and/or .EXE extensions. These files have the same file dates (the date NOGUARD was processed).
- After processing NOGUARD, the floppy backup or installed program on the hard disk can be copied to another floppy or off the hard disk using the DOS file copy command (like an unprotected program).

## Having Trouble?

---

The following problems and probable solutions are listed to help you if you should encounter one of them in the course of using Copy II PC.

---

### What to Try if the Backup Doesn't Work

- Before beginning the copy process, boot the system with an unmodified master DOS disk from the floppy drive. Memory resident software, installed device drivers, or any "patches" to DOS could interfere with the copy process causing write verify errors.
- Always make the backup from the original disk. Making a backup of a backup is unreliable.
- Verify errors don't necessarily mean the backup won't run. Try using it.
- Be sure the original is a runnable disk. This means that it can be used to start the program from the DOS prompt.
- If the original disk came to you without a write-protect notch, be sure to write-protect the backup before running it.
- Try reversing copy directions if the system has two floppy drives. (i.e. copyiipc b: a:)
- Check the type of drives being used. If 720K, 1.2MB, or 1.44MB, see the chapter *System Requirements* for additional information.
- Try using NOKEY.
- Try processing NOGUARD to the backup.

### Copy II PC doesn't recognize Source and Target drive types

There are optional parameters that are available to help diagnose this problem. You can see them on screen by typing:

COPYIIPC/?

(See the chapter *Using Copy II PC* for a list of the available parameters.)

---

**Error Messages**

Copy II PC displays certain error messages when it comes across a problem. The most frequently seen error messages are as follows:

**“Adjusting to processor speed error”**

This means Copy II PC is trying to adjust to the speed of the system but is unable to. Eventually, the system will “hang.” Try setting your computer to a lower speed, if it is selectable. This error can also occur when reading from a double sided double density disk and writing to a high capacity disk.

**“Unrecoverable write error—target disk may be damaged”**

This message may appear during the copy process if you’ve booted with an altered DOS, or from the hard drive with drivers or memory resident software present, or if you’re copying from a slower speed drive to a faster speed drive. This error can also occur when reading from a double sided double density disk and writing to a high capacity disk. This message does not necessarily mean that the backup will not work.

**“Error appears to be data—should it be corrected? (y, n, none)”**

This message indicates that Copy II PC is detecting errors on the original disk. Sometimes deliberate errors are part of the protection method. The correct response to this message is “n” or “none” which will duplicate the original protected disk exactly. In no case will the original disk be affected.

---

**NOKEY**

**If NOKEY is not Intercepting the Check for the System Disk**

- Consider the loading order of NOKEY and other resident software in the AUTOEXEC.BAT file. Certain resident programs (such as Sidekick) can disable NOKEY. Try repositioning NOKEY in the AUTOEXEC.BAT file or place it in the same subdirectory as the program.
- Try typing NOKEY again right before calling up the program.



- The DOS Verify function can also disable NOKEY. Try turning it off.
- NOKEY does not work reliably running in a network environment.

---

## NOGUARD

### NOGUARD did not finish as expected

The most common error message NOGUARD displays is the following:

```
COPY II PC - NOGUARD Release 6.0
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```

```
SUPERLOD: diskette based protection removal
```

```
Cannot find proper files to process.
Either this is not a SUPERLODed program, or
you may have to install the program
before running NOGUARD.
If not, you will have to rerun NOGUARD
and specify the program name you would
use to execute the program.
Also, you will need a blank formatted
diskette or an empty sub-directory
as the target of the process.
```

```
Press any key to proceed.
```

Be sure the system is booted from an unmodified master DOS disk in the floppy drive. Fixed disk organizers, resident software, installed device drivers or anything that “patches” DOS can interfere with NOGUARD, preventing it from processing correctly. If booting with a master DOS disk does not correct the problem, NOGUARD may not be able to handle the protection method or may not be required for that program.

### If NOGUARD Processes Correctly But The Backup Doesn't Run

If any of the specific program name options do not work, try the generic option instead.

If NOGUARD created both the `PROGNAME.COM` and the `PROGNAME.EXE` file on the backup or hard disk (they will have the same file dates), try renaming the `PROGNAME.COM` file to something completely different. Example: After processing NOGUARD to the

backup of Lotus 1-2-3, use DOS RENAME to rename the 123.COM to TEST.FIL and try running the backup.

### **Load Fail 12**

This error message may occur when running a program (installed) from the hard disk and trying to use the NOGUARD backup disk as the key disk. Instead, NOGUARD should be processed into the program's subdirectory so that the files will execute without needing a key disk.

### **If a Program Does Not Execute Properly From The Hard Disk**

After processing NOGUARD (blinking cursor on a blank screen, etc.), it may be that a NOGUARD backup was DOS copied to the hard disk and isn't properly configured for the system's hardware. The program needs to be installed or set up so the system's hardware is recognized.

### **If NOGUARD "Hangs" While Processing The Original Disk**

See the section "Compatibility" in the *System Requirements* chapter.

### **If NOGUARD Continues to Ask For a Write-Protected Original**

Even though the original disk is write-protected, check the color of the write-protect tab. NOGUARD may still detect light through a red or clear tab. Try black or silver.

# **Technical Support**

---

If you need assistance beyond what the manual, Help screen, and README.TXT file (if one is included) can provide, please write or call us with the information listed in the Technical Support Checklist below.

## **Mail**

Write to: Central Point Software, Inc.  
15220 NW Greenbrier Pkwy., Suite 200  
Beaverton, OR 97006  
Attn: Technical Support

## **FAX**

You can also FAX the information about your problem.  
Our 24 hour FAX number : (503) 690-7133

## **Phone**

(503) 690-8080

Our technical support hours are 6 am-5 pm PST, Monday-Friday.

It would help if you called from a phone next to the computer you're having problems with. Your computer should be turned on and ready to go.

## **Bulletin Board System**

For the latest Copy II PC updates, technical support, and new information, dial into our 24 hour BBS. The phone number is (503) 690-6650.

### **Bulletin Board System**

For the latest Copy II PC updates, technical support, and new information, dial into our 24 hour BBS. The phone number is (503) 690-6650.

## **Technical Support Checklist**

Before contacting Central Point Software for technical assistance, please try to recreate the problem to provide us with an exact sequence of events. If the problem reoccurs, contact us by mail, FAX, or phone with the following information:

- 1. Central Point Software product: the name and version # of the application you are having difficulty with.  
For example: Copy II PC, Version 6.0
- 2. System Information: Please include this information, along with the computer brand and model, in your written correspondence or have it accessible when contacting us by phone.
- 3. Disk drives: the brand names, sizes, partition sizes and partitioning software.
- 4. Additional hardware: the brand names of additional hardware installed in your computer (particularly specialty video cards, expanded memory boards, turbo boards, etc.).
- 5. Errors: Write down the exact wording of any error messages received from Copy II PC. Re-run Copy II PC with the parameter /M.
- 6. Resident programs: if you had memory resident programs loaded (other than NOKEY) when the problem occurred, please provide a list of them and their version numbers.

- 7. AUTOEXEC.BAT and CONFIG.SYS contents: Type `TYPE C:\AUTOEXEC.BAT` or `TYPE C:\CONFIG.SYS`.
- 8. The name and version number of the program you are having difficulty backing up.

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CENTRAL POINT

# COPY II<sup>®</sup> PC

VERSION  
6

**INTRODUCING COPY II<sup>®</sup> PC VERSION 6.** The latest version of the award-winning software that makes backing up copy-protected programs practically as easy as copying data diskettes. New version 6 supports IBM PS/2 Model 50Z, 55SX and 70. High-density support makes backing up 1-2-3 3.0 diskettes a cinch. Automatically handles many of the most sophisticated protection schemes.

## **PROTECT YOUR SOFTWARE INVESTMENT.**

Without a backup copy of your software, a single disk mishap could put you out tens or hundreds of dollars. Even with liberal policies for replacement diskettes from a software manufacturer, you could still have to wait weeks for a new copy. Copy II PC protects your investment by allowing you to make archival copies of protected software quickly and easily. Simply select the program you want to back up, insert the source and target disks and it's done. With Central Point's state-of-the-art technology, it's that easy.

**REMOVE COPY PROTECTION FROM YOUR HARD DISK.** Quit fussing with a key disk every time you want to use a protected program on your hard disk. Stop worrying about losing your software to a hard disk crash. Copy II PC removes copy protection from software on a hard disk, eliminating the need for a key disk and allowing you to back up your hard disk without having to uninstall copy-protected programs.

## **TRANSFER PROGRAMS FROM ONE DISK FORMAT TO ANOTHER.**

Copy II PC is the simplest solution for converting a protected program to a new disk format. Even make a 3½" copy of a 5¼" protected diskette. With Copy II PC, the procedure is virtually automatic.

## **MAKE A PERFECT COPY EVERY TIME.**

When it comes to copying a disk, Copy II PC goes one beyond PC DOS. It automatically verifies the disk it has copied for accuracy as it copies. It's like running DISKCOPY and DISKCOMP at the same time.

Our manual and on-screen instructions also make COPY II PC virtually foolproof. They're easy to read, easy to follow, and most of all, easy to understand.

**REQUIREMENTS:** IBM PC, XT, AT, PCjr (with 256K); IBM PS/2 models 25, 30, 50, 50Z, 55SX, 60, 70 and 80; Compaq, Tandy, and other 100% compatibles. Supports 5¼" and 3½" disk drives, internal or external, or optional hard disk.

Copy II is a registered trademark of Central Point Software. All other product names are trademarks of their manufacturers.

*Central Point Software* <sup>INC</sup> <sup>®</sup>

15220 N.W. GREENBRIER PKWY. #200, BEAVERTON, OREGON 97006 (503) 690-8090

*"Copy II PC is probably the easiest of such programs to use."*

—PC Magazine

*"The best of the copy-breaking programs I've seen."*

—James Seymour in Micro Business

*"If you count on a program being available at all times, you cannot afford to lose time waiting for a replacement...Copy II PC is a necessity."*

—Jonathan Martin in Microtimes



The following programs have been verified as "backupable" by Central Point Software. Some require special instructions, which is noted by a number in parentheses next to the title. Refer to that number on the reverse side of this sheet. Please remember that Copy II PC is to be used to make archival backups only. Several programs also have program names, extensions, and dates in parentheses. These are the file names that NOGUARD will prompt for. The dates indicate the exact release of the program that NOGUARD can copy.

3-D Helicopter Simulation (9)	Diagraph 3.4, 3.41, 3.5 (6)	L&D.EXE 11-15-88)
4x4 Road Racing (4X4.EXE 11-16-88)	Directree 3.5, 3.51 (6)	Load Calc, prior to 4.10
688 Attack Sub (6) (GAME.EXE 1-30-89; GAME.EXE 3-4-90)	Disk Optimizer (6)	Loderunner (some)
Abrahams Battle Tank (6) (ABRAHAMS.COM 11-17-88)	Disk Tech 4.05, 3.97, 3.96	Lost Colony
Ace of Aces (1)	Dollars & Sense 2.00, 2.07 (4)	Lotus 123 1.0, 1-A (4)
Advanced Flight Simulator (13) (AFS.EXE 5-17-87)	Double DOS (6)	Lotus 123 2.0, 2.01 (6)
Advanced Flight Trainer 2.0 (14) (INSTALL.EXE 3-8-89; DUP.EXE 7-14-87)	Dr. Logo	Lotus 123 Report Writer 1.0 (6, 8)
Adventure in Serenia	Early Games	M1 Tank Platoon (6) (TANK.COM 9-7-89)
Ancient Art of War (1)	Early Speller	Managing Your Money 1.5 (4)
Ancient Art of War at Sea	Easy Writer 1.0, 1.1, 2.0	Managing Your Money 2.0, 3.0
Apple Panic	Egg 4.2 (6)	Marble Madness
Archon	Eliza	Master Miner
Arctic Fox (1)	Enable 1.00, 1.01 (1, 4)	Mastertype 1.0 (2)
Arkanoid (ARKANOID.COM 11-2-88)	Executive Suite	Math Blaster Plus
Arkanoid II (DOH.COM 8-2-89)	Exterminator	Math Rabbit (1, 4)
Astral Assault	F-15 Strike Eagle (6) (F15.COM 7-11-89)	Mavis Bacon Typing 1.25, 2.01 (20) (Install Copy II PC first; MAVIS.EXE 12-20-88)
Astro Dodge	F-19 Stealth Fighter (6) (F19.COM 10-13-88)	Maxthink 2.1
ATI Training Series (some)	Fastback 4.8, 5.0, 5.03 (4)	Mean 18 (11) (GOLF.EXE 3-29-88)
Balance of Power	Final Assault (6) (ASSAULT.COM 8-3-88)	Mean Streets (6) (MS.EXE 11-8-89)
Bankstreet Writer (some)	Final Word	Memory Shift 1.0, 2.1, 2.2
Basic Course I and II	Financial Cookbook	Microsoft Adventure
BASOR (French version)	First Class Mail	Microsoft Decathlon
Battle Chess (6) (CHESS.EXE 1-2-81; CHESS.EXE 4-19-90)	Flight Simulator 1.0, 2.0, 2.12	Millionaire 1.0
Battlehawks 1942 (6) (BH.EXE 10-6-88)	Framework 1.1 (6)	Millionaire 2.0 (1)
Beneath Apple Manor	Framework II 1.0 (6)	Mind Mirror
Big Top	Framework II (French version)	Miner 2049er
Black Cauldron (9)	Framework Premier 1.1 (French version)	Missing Links
Blue Bush Chess (5)	Frogger 1.0	Multi-Job
Bop & Wrestle	Galaxy	Multimate 3.3
Boulderdash I, II	Gato 1.0, 1.1, 1.2	Multiplan 1.0, 1.1, 1.2
Bug Off	Gertrude's Puzzles, Secrets	Music Construction Set
California Games (6) (CALGAMES.EXE 2-24-88)	Get Organized 1.1 (4, 8)	Newsroom & Clip Art disks
Call to Arms	Grand Prix Circuit (11) (GP.EXE 9-19-88)	Night Mission Pinball
C-DEX Training Series	Graph in the Box 1.2 (6)	Nuclear Mazeland
Championship Blackjack	Graph 'N' Calc	Omegabug
Championship Boxing	Gunship (6) (GS.COM 4-20-88; GS.COM 1-1-80)	One on One (some)
Championship Loderunner	Hardball	Paper Boy (17) (PAPERBOY.EXE 6-16-88; 1-19-89)
Chartmaster 5.05, 6.05, 6.1 (1, 4)	Hard Hat Mack	Paradox
Chessmaster 2100 (6, 20) (INSTALL.EXE 12-29-88; 4-21-90)	Harvard Project Manager 1.14, 1.16 (3, 4)	Paratrooper
Chuck Yeager's AFS (1, 4)	Harvard Total Project Manager 1.08, 1.0B (4)	PC Arcade 1.1
Clipper-wntr 84/smr, wntr 85 (6)	Helicat Ace	PC Crayon
Cogo PC III 4.02 (6)	Heroes of the Lance (6, 20) (START.EXE 10-26-88)	PC HMS
Conflict in Vietnam	Homework	PC Man
Context MBA	Homework Helper Math	PC Paint (1, 4)
Copyany	IBM Assistant Series	PC Pal
Cornerstone 5.1	IBM Time Manager	PCI Term
Cosmic Crusader	Impossible Mission II (15) (IM.EXE 3-29-88)	PFS Access, File, Graph
Crossfire	Indiv. Training for dBase III (1, 4)	PFS Plan, Report, Write
Crusade in Europe	Indiv. Training for Lotus 123 (1, 4)	Picture Perfect 3.4, 3.41, 3.5 (6)
Cubit (6)	Infiltrator	Piece of Cake Math 1.0
Curse of Ra	Info-Gen	Pinball Construction Set (some)
Cut & Paste	Info-Reporter	Pipe Dream (6) (PIPE.EXE 9-25-89)
Dark Castle	Instructor 1.0	Pokeman
Database Manager II (1, 4)	Instructor 2.0 (1, 4)	Pool 1.5
Data Max	Jabbertalky	Print Shop (1, 7) (some)
dBase III 1.1, Plus 1.0 (6)	Jet	Print Shop 2.1 (some)
dBase III+ Training 2.00 (1)	Jet Fighter: Adventure (6) (JF.EXE 12-12-88; JF.EXE 8-30-89)	Print Shop Companion 1.1
dBase III & III+ 1.0 (French version)	Karateka	Projectile
dBase PC 2.4 (French version)	Keymaster (1)	Prokey 3.0
dBoutils 1.0 (6)	Keynote	Quickcode III 1.1 (6)
Deadline (some)	Keyswapper	Quickreport (some) (6)
Decision in the Desert	Kindercomp 2.0	Rack 'Em (6) (POOL.EXE 10-5-88)
Defender of the Crown	Kings of the Beach (6) (VBALL.EXE 12-20-88)	Rampage (6) (RAMPAGE.EXE 7-19-89; 3-17-88)
Destroyer	King's Quest II	Reader Rabbit (10)
	King's Quest III 1.0 (9)	Red Storm Rising (6) (REDSTORM.COM 4-12-89)
	L.A. Crackdown (16) (LA.EXE 5-27-88)	Reflex (1, 4)
	Leisure Suit Larry...Lounge Lizards (9)	Rhymes and Riddles
	Life & Death (6, 20) (L&D.EXE 12-7-88;	

Rocky's Boots (some)	SPOC 1.0, 2.0	Typewriter by Power Up (1, 4)
Samna (some)	Spotlight 1.0, 1.1 (6)	Typing Instructor 1.0, 2.0 (1, 4)
Serve & Volley (6) (TENNIS.EXE 10-5-88)	Spreadsheet Auditor 1.05	Ultima IV (18) (ULTIMA.COM 9-11-87)
Seven Cities of Gold	Spreadsheet Auditor 2.0 (6)	Ultima V (ULTIMA.EXE 10-19-88; 6-24-88)
Shanghai	SPSS 1.0, 1.1 (1, 4)	Versaform 1.0
Shoebox	Star Trek	Vette! 1.02 (6) (8-18-89)
Sidekick 1.10A, 1.11C (4)	Star Trek: The Kobayashi Alternative (1, 4)	Visicalc 2.0
Sidekick 1.5	Story Machine	Volkswriter
Sideways	Sub Battle Simulator (6) (SUB.EXE 3-11-87)	Voyager
Signmaster 5.05, 5.1 (1, 4)	Summer Games I, II	VP Expert 1.0 (1)
Silent Service (some)	Super Calc	VP Info 1.0 (1)
Sim City (21) (SIMCITY.EXE 11-29-89)	Symphony 1.0, 1.01 (4)	VP Planner 1.0, 1.2, 1.30 (1, 4)
Sky Shark (SKYSHARK.COM 4-4-89)	Symphony 1.1, 1.2 (6)	Vterm
Smartwork 1.0 rel 2	Telemath	Where...USA...Carmen (6) (CARMEN.EXE 9-17-87; 9-21-87)
Snack Attack	Temple of Apshai	Where...World...Carmen (6) (CARMEN.EXE 3-11-87; 9-10-86)
Snack Attack II	Test Drive	Widespread (1)
Snooper Troops	Test Drive II: Duel (19) (DUEL.EXE 2-6-89)	Winter Games
Snooper Troops II	Textor (French version)	Word 1.0, 1.1, 1.15
Softerm 1.02.03 (1, 4)	Thexder (French version)	Word 2.0, 2.01 (7)
Solo Flight	Thexder (9)	Wordstar 2000 1.00
Space Guardian	Three Stooges (12) (STOOGES.EXE 5-12-88)	WordVision
Space Harrier (6) (HARRIER.EXE 5-25-89)	Think Quick (6) (TQ.EXE 9-10-87)	World Games
Space Port	Think Tank 1.0, 2.0, 2.1	World Tour Golf (1, 4)
Space Quadrant	Toy Shop (some)	Writer Rabbit (1, 4)
Space Quest I & II (9)	Trivia Fever (1, 4)	Zork I, II, III
Space Strike	Trivial Pursuit (TP.EXE 1-4-90)	
	Type!	

1. See "To Install NOKEY.COM onto a floppy backup disk" in the Copy II PC manual.
2. These disks are "floppy" disks. To copy them, back up the front side onto one blank disk using the /1 parameter and then back up the reverse side onto another blank disk, using the /1 parameter.
3. You need to back up these disks AFTER performing the install procedure from the original.
4. These programs can be run from the hard disk without inserting the original floppy. See "To use NOKEY to run protected programs from a hard disk" in the Copy II PC manual.
5. Requires the /1 parameter.
6. Requires running NOGUARD.
7. To run from a hard disk, run the install program from a Copy II PC-made floppy backup with NOKEY resident. (Original disk must have install available for backup to be installable.) Run NOKEY before calling up the program.
8. Run Assign A=C after running NOKEY.
9. Requires running NOGUARD and will still require a key disk when running from the hard disk. However, with NOKEY resident, a Copy II PC-made backup will do.
10. Have NOKEY resident to run the backup. Delete RABBIT.BAT from the backup and use HELLO to invoke the program.
11. During NOGUARD, it may ask for another disk. Just press ENTER. (This is assuming the program is installed on a hard disk.)
12. If program is not already installed on hard disk, do the following steps from the C: prompt:
 

```
MD \stooges
MD \stooges\art
MD \stooges\pcs
copy [a: or b:] \art\*. * \stooges\art
copy [a: or b:] \pcs\*. * \stooges\pcs
```

Then run NOGUARD and be sure you have NOGUARD copy all files to the c:\stooges subdirectory.  
If the program is already installed on the hard disk, use the UNINSTAL.BAT file on your original program disk to uninstall the program. Then proceed with steps above.
13. When using the original disk in NOGUARD, you must specify [a: or b:] as the source path.
14. You must install this first before running NOGUARD.
15. You must create two subdirectories, CHARS and ROOMS, and copy the files to them.
16. You need to create three subdirectories I, P, and V, and copy the files to them.
17. Be sure it isn't installed. If so, uninstall, then run NOGUARD.
18. Must do "SETUP" first. Reply "C" when it asks for disk drive.
19. No need to run the Install program. Just create a subdirectory and allow NOGUARD to copy all the files from the original disk into that subdirectory.
20. Install first, use install as the source.
21. Install first, press ENTER when prompted for city or population.

**Important:** Central Point Software has made every effort to test each program listed, but copy protection methods change frequently, sometimes from month to month. Therefore, we cannot guarantee that every program listed can be backed up with Copy II PC. While Copy II PC may back up a program dated 7/11/90, the same program dated 12/1/90 may use a different protection scheme that can't be backed up. If you are having difficulty backing up a particular program, look at the troubleshooting section of the manual for ideas to try.

# Central Point Software INC

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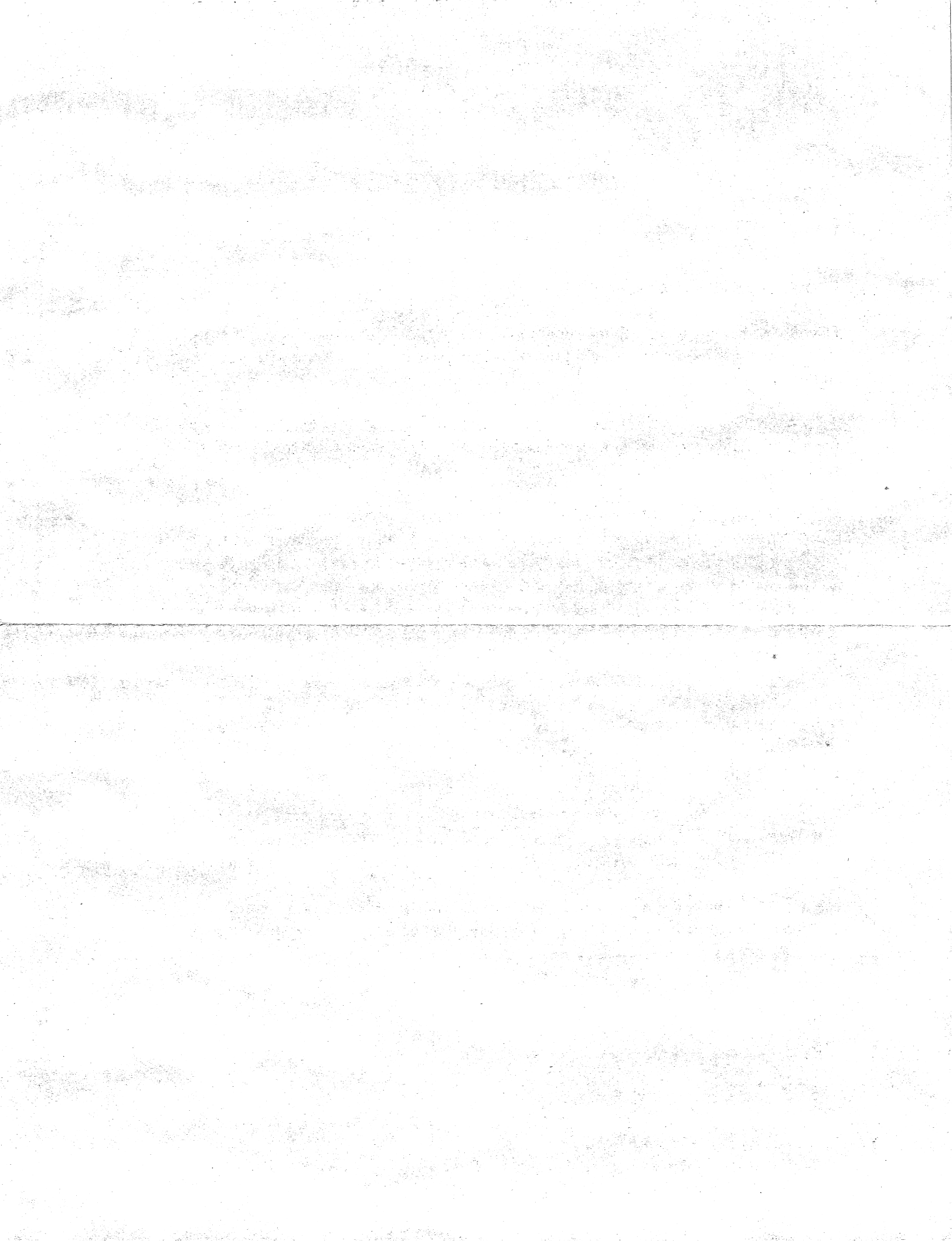
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Sincerely



Michael D. Brown  
C.E.O.



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