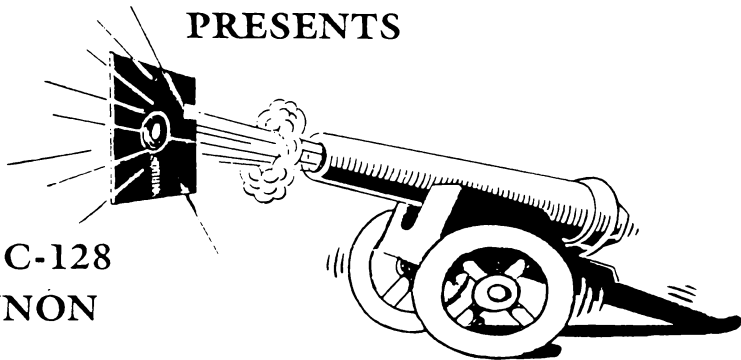


KRACKER JAX

PROTECTION BUSTERS
PRESENTS



THE C-128
CANNON

For the C128 and

1541, 1571, or 1581 disk drives

- * THE NIBBLER – Our powerful nibbler works with single or dual 1571/1541 drives!
- * FAST COPIER – Great for backing up your data disks or for use with Kracker Jax!
- * FILE COPIER – This utility makes file maintenance and manipulation tasks easy!
- * 1581 FAST COPIER – Created for use with the new generation 3.5 inch disk drives!
- * 1581 FILE COPIER – Transfer files with the new high-speed 3.5 inch disk drives!
- * MFM COPIER – Allows you to copy unprotected IBM and CP/M format disks!
- * T/S EDITOR – Track and sector editor for 1541, 1571, and the new 1581 drives!
- * ERROR SCANNER – Full featured error scanner with an on-screen display!
- * DENSITY SCANNER – Allows you to check for altered densities track by track!
- * DIRECTORY EDITOR – This utility lets you alter and reorganize disk directories!
- * KRACKER JAX – You also get 100 of our hottest, most popular parameters!

K R A C K E R J A X P R E S E N T S

THE C128 CANNON

Designed by: Paresh Patel & Les Lawrence
Programed by: Paresh Patel / Bob Spur / Kevin Hisel
Parameters by Kracker Jax
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We at Kracker Jax would like to thank you for your purchase of the C128 Cannon. Many months of solid effort went into the development of this comprehensive utility, and we're confident that you'll be pleased with the many features we've included. Every effort has been made to produce a package that could be operated without even having to read these instructions. You'll probably be able to use the C128 Cannon quickly and easily, referring to this manual only occasionally.

Because this program is so user friendly and is, in most cases, menu driven, we'll go through each menu and document any special features within parentheses (like this).

MAIN MENU / ONE DRIVE

- A Fast Copier (1541/1571/1581)
- B Nibble Copier (1541/1571)
- C File Copier (1541/1571/1581)
- E MFM Copier (1571)
- G Directory Editor (1541/1571/1581)
- I Error, Usage and Density Display (1541/1571/1581)
- J Disk Doctor (Sector editor for 1541/1571/1581)
- K Parameters (1541/1571)

- 1/2 F2 # of Drives (Select one or two drive menu.)
- R F5 Reset System (Will attempt autoboot of disk placed in drive.)
- D F3 Directory diskette (No scroll key to pause, run/stop to abort.)
- F F6 1571 copier (May be changed to 1541 or 1581.)

H Help Screen (Lets you know what options are presently available.)

PLEASE NOTE - Here's an important feature NOT mentioned in the menu: for those users who do not have drives that are hardwired as device 8 and 9, you may software set them following these instructions. As soon as you have booted the C128 Cannon and the main menu appears, turn off both drives. Now turn on the DESTINATION drive and press the Control and number 9 keys simultaneously. This will set that drive as device nine. Now turn on the other drive, which will remain a device eight drive.

MAIN MENU / TWO DRIVES

- A Fast Copier (1541/1571/1581)
- B Nibble Copier (1541/1571)
- C File Copier (1541/1571/1581)

1/2 F2 # of Drives (Select one or two drive menu.)

- R F5 Reset System (Will attempt autoboot of disk placed in drive.)
- D F3 Directory diskette (No scroll key to pause, run/stop to abort.)
- F F6 1571 copier (Source drive, may be changed to 1541 or 1581.)
- T F8 1571 copier (Destination drive, may be changes to 1541 or 1581.)
- H Help Screen (Lets you know what options are presently available.)

ONE DRIVE FAST COPIER

- K F1 Kopyy Floppy (begin copy process.)
- D F3 List Disk Directory (No scroll to pause, run/stop to abort.)
- R F5 Reboot System (Will attempt to autoboot any diskette in drive.)
- M F7 Main Menu (Will reboot Cannon main menu.)
- S ESC Side Select (0 for front , 1 for 1571 reverse.)

PLEASE NOTE: This copier is designed primarily for copying unprotected disks. Protected disks which have errors or protection that you wish to remove may be copied using this utility, making it perfect for most Kracker Jax parameters.

This copier is extremely fast, but it will slow down slightly when repairing disks which contain errors.

1541 Copies tracks 1-35

1571 Side 0: copies tracks 1-35. Side 1: copies tracks 36-70.

1581 Copies tracks 1-80

TWO DRIVE FAST COPIER

K F1 Kopyy Floppy (begin copy process.)

D F3 List Disk Directory (No scroll to pause, run/stop to abort.)

R F5 Reboot System (Will attempt to autoboot any diskette in drive.)

M F7 Main Menu (Will reboot Cannon main menu.)

S ESC Side Select (0 for front , 1 for 1571 reverse.)

O Original Drive 8 (Defaults to 8 but may be set for 8,9,10,or 11.)

C Copy Drive 9 (Defaults to 9 but may be set for 8,9,10, or 11.)

PLEASE NOTE: This copier is designed primarily for copying unprotected disks. Protected disks which have errors or protection that you wish to remove may be copied using this utility, making it perfect for most Kracker Jax parameters. This copier is extremely fast, but it will slow down slightly when repairing disks which contain errors. We are aware of a few protection schemes that are capable of stalling this copier. If you do happen to run into one of these schemes, just reboot and copy with the one drive version.

1541 Copies tracks 1-35.

1571 Side 0: copies tracks 1-35. Side 1: copies tracks 36-70.

1581 Copies tracks 1-80.

ONE DRIVE NIBBLE COPIER

N F1 Nibble Floppy (begin copy process.)

D F3 List Disk Directory (No scroll to pause, run/stop to abort.)

R F5 Reboot System (Will attempt to autoboot any diskette in drive.)

M F7 Main Menu (Will reboot C128 Cannon main menu.)

- Q F2 Decrease Starting Track (input 1-40)
- W F4 Increase Starting Track (input 1-40)
- Z F6 Decrease Ending Track (input 1-40)
- X F8 Increase Ending Track (input 1-40)
- G TAB Gap Size (Header and tail gap; don't change unless you are sure.)
- S ESC Side Select (0 for front, 1 for 1571 reverse.)

PLEASE NOTE: This copier is primarily designed for copying protected disks. You'll find that many disks can be readily copied with the nibble copiers alone. For those really tough titles, only a parameter will do. Please refer to the parameter section for a complete listing of parameter titles available in the C-128 Cannon.

TWO DRIVE NIBBLE COPIER

- N F1 Nibble Floppy (begin copy process.)
- D F3 List Disk Directory (No scroll to pause, run/stop to abort.)
- R F5 Reboot System (Will attempt to autoboot any diskette in drive.)
- M F7 Main Menu (Will reboot C128 Cannon main menu.)
- Q F2 Decrease Starting Track (input 1-40)
- W F4 Increase Starting Track (input 1-40)
- Z F6 Decrease Ending Track (input 1-40)
- X F8 Increase Ending Track (input 1-40)
- G TAB Gap Size (Header and tail gap; don't change unless you are sure.)
- S ESC Side Select (0 for front, 1 for 1571 reverse.)
- O Original Drive 8 (Defaults to 8, but may be changed to 8, 9, 10, or 11.)
- C Copy Drive 9 (Defaults to 9 but may be changed to 8, 9, 10, or 11.)

PLEASE NOTE: This copier is primarily designed for copying protected disks. We are aware of a few protection schemes that are capable of stalling this copier. If you encounter one of these schemes, just recopy using the one drive nibbler. You'll find that many disks can be readily copied with the nibble copiers alone. For those really tough titles, only a parameter will do. Please refer to the

parameter section for a complete listing of parameter tiles available in the C128 Cannon.

ONE DRIVE FILE COPIER

- F F1 File Copy (Read file names from disk directory.)
- D F3 List Disk Directory (No scroll to pause, run/stop to abort.)
- R F5 Reboot System (Will attempt to autoboot any diskette in drive.)
- M F7 Main Menu (Will reboot C128 Cannon main menu.)
- X F2 Disk Command (any legal DOS command may be used)

After pressing F1 the following commands may be used.

CURSOR to position the pointers.

- F1 Select/Unselect (select/unselect files.)
- F3 Select/Unselect all (will first select all then unselect all.)
- F5 Reverse all (will reverse all selected files to unselected.)
- F7 Copy Files (begin copy process.)
- RUN/STOP Exit file copy menu.

TWO DRIVE FILE COPIER

- F F1 File Copy (Read file names from disk directory.)
- D F3 List Disk Directory (No scroll to pause, run/stop to abort.)
- R F5 Reboot System (Will attempt to autoboot any diskette in drive.)
- M F7 Main Menu (Will reboot C128 Cannon main menu.)
- X F2 Disk Command (any legal DOS command may be used)
- O Original 8 (source drive defaults to 8 but 9, 10, and 11 may be used.)
- C Copy 9 (Destination drive defaults to 9 but 8, 10, and 11 may be used.)

After pressing F1 the following commands may be used.

CURSOR to position the pointers.

- F1 Select/Unselect (select/unselect files.)
- F3 Select/Unselect all (will first select all then unselect all.)
- F5 Reverse all (will reverse all selected files to unselected.)

F7 Copy Files (begin copy process.)
RUN/STOP Exit File copy menu.

PLEASE NOTE: You may generally file copy from one drive type to another. You must preset the drive types in the main menu and the destination disk MUST be formatted to match the desired results.

MFM SINGLE DRIVE COPIER

K F1 Kopyy Floppy (Begin copy process.)
R F5 Reboot System (Will attempt to autoboot any diskette in drive.)
M F7 Main Menu (Will reboot C128 Cannon main menu.)

PLEASE NOTE: This copier is for CPM disks from other systems such as Kaypro, Osborne and some IBM PC's. All copying MUST be done with one drive and a 1571. A directory option cannot be offered. (Use the CPM mode on your C-128.)

ERROR, USAGE, AND DENSITY DISPLAY

E F1 Report disk errors (begin reading disk in drive.)
D F3 List Disk Directory (No scroll to pause, run/stop to abort.)
R F5 Reboot System (Will attempt to autoboot any diskette in drive.)
M F7 Main Menu (Will reboot C128 Cannon main menu.)
S ESC Side Select (select side 0 or 1.)

The following symbols are used on the display screen:

- . 1571 or MSD Format.
- 1541 Format.
- + Sector in use.
- F Full sync (1 sync on track - wraps around track - density shows ?)
- 0 20 error / Block header not found.
- 1 21 error / Sync Character not present.
- 2 22 error / Data block not present.
- 3 23 error / Checksum error in data.

7 27 error / Checksum error in header.
9 29 error / Disk ID Mismatch.

Normal density zones are:

Tracks 1-17 zone 3
Tracks 18-24 zone 2
Tracks 25-30 zone 1
Tracks 31-35 zone 0

DIRECTORY EDITOR

E F1 Edit Directory (Read files on disk in drive.)
D F3 Directory diskette (No scroll key to pause, run/stop to abort.)
R F5 Reset System (Will attempt autoboot of disk placed in drive.)
M F7 Main Menu (Will reboot C128 Cannon main menu.)

After the disk files have been read and are displayed on the screen, the following commands may be used. Only one function may be used at a time.

R 1st press to begin range.
Cursor Position pointers.
R 2nd press to end range.
D Delete selected range.
P Paste selected range.
S Sort selected range.
M Clear range for fresh start.
- Insert divider line above pointers.
W Rewrite altered directory.
Q Restart editor (return to beginning editor menu.)

DISK DOCTOR

This version of The Disk Doctor is extremely user friendly and completely menu driven. For information on the structure of the Commodore disk format, we recommend reading Inside Commodore DOS. This book is written by Richard Immers

and published by Datamost.

KRACKER JAX PARAMETERS

Kracker Jax parameters are one of the easiest utilities to operate that you'll ever own. Each parameter has been extensively tested, and we are convinced that absolutely NO bugs exist in our software. However, there is a fact you should be aware of.

Sometimes, a major software house will release several versions of the same program, the only difference between versions being the copy protection scheme used. If you follow these instructions and are still unable to back up your software, odds are that the version you're trying to copy differs from the version that we used to create that specific parameter. Fortunately, this is a fairly uncommon practice.

To use your Kracker Jax Parameters, (on C128 Cannon Reverse) just follow these steps in order:

- 1- Use the C128 Cannon fast copier (or nibbler for parameters marked by *) to make a backup of your protected disk. BE SURE to place a write protect on your original diskette FIRST.
- 2- When the backup is complete, return to the main menu and select Parameter Menu. Remember the parameters are on the reverse of your C128 Cannon disk.
- 3- When the Kracker Jax menu appears, use the RETURN key to flip through the screens until you find the desired parameter. Select the parameter using the appropriate function key.
- 4- When the parameter is loaded, remove the Kracker Jax disk, insert the copy you just made, and press RETURN.
- 5- When the "Finished" prompt appears, turn your computer off and on again. You may now test run your backup disk.

KRACKER JAX PARAMETERS ON THE C128 CANNON

Advanced Music System.....	Firebird	GEOS V1.0.....	Berkeley Softworks
Alcazar.....	Activision	GEOS V1.2.....	Berkeley Softworks
Alter Ego (Female).....	Activision	Hacker II.....	Activision
Alter Ego (Male).....	Activision	Halley Project.....	Mindscape
Ballblazer(*).....	Epyx	Heart Of Africa.....	Electronic Arts
Beach Head II.....	Access	High Roller.....	Mindscape
Bop 'n Wrestle V1.....	Mindscape	I Am The C128(Rever1571).Activision	
Bop 'n Wrestle V2.....	Mindscape	Indoor Sports.....	Mindscape
Borrowed Time.....	Activision	Infiltrator.....	Mindscape
Brian Bloodaxe.....	Mindscape	Jet Combat Simulator(*).....	Epyx
Carman San Diego.....	Broderbund	Jupiter Mission.....	Avalon Hill
Certificate Maker.....	Springboard	Karate Champ.....	Data East
Christmas Paper Models...Activision		Karateka.....	Broderbund
Color Me.....	Mindscape	Kennedy Approach.....	MicroProse
Colossus Chess IV.....	Firebird	Koronis Rift(*).....	Epyx
Commando.....	Data East	Kung Fu Master.....	Data East
Crossword Magic V1.....	Mindscape	Kung Fu Master V2.....	Data East
Crossword Magic V2.....	Mindscape	Kung Fu/Expl Fist...Melbourne House	
Crossword Magic V4.0.....	Mindscape	Little Comp People V1....Activision	
Eidolon, The(*).....	Epyx	Little Comp People V2....Activision	
Elite V2.....	Firebird	Lords Of Conquest...Electronic Arts	
Fairlight.....	Mindscape	Lords Of Midnight.....	Mindscape
Fantastic Animals.....	Bantam	Marble Madness.....	Electronic Arts
Filer's Choice 64/128....Activision		Master Of The Lamp.....	Activision
Fireworks Celeb. Kit.....	Activision	Mind Mirror.....	Electronic Arts
Fleet System III.....	Professional	Movie Monster Game(*).....	Epyx
Flippies.....	Firebird	Multiplan(*).....	Epyx
Fontmaster II V1.2.....	Xetec	Murder On The Missis....Activision	
Fourth Protocol.....	Bantam	Music Shop.....	Broderbund
F-15 Strike Eagle V2....MicroProse		Music Studio V2.....	Activision
GameMaker.....	Activision	Music System.....	Firebird
Gato.....	Spectrum Holobyte	Newsroom V1.....	Springboard
Gettysburg.....	SSI	Newsroom V2.....	Springboard
Graphics Expander.....	Springboard	Newsroom V2.1.....	Springboard
Great Amer Road Race.....	Activision	Pegasus.....	Electronic Arts

Planner's Choice 64/128..Activision	Super Cycle(*).....Epyx
Print Shop (New).....Broderbund	Superbowl Sunday.....Avalon Hill
Print Shop Companion.....Broderbund	Sword Of Kadash.....Penguin
Printmaster V1.0.....Unison World	Tass Times In Tonetown...Activision
Printmaster V1.1A(*)...Unison World	Temple Of Apshai Trilogy(*)...Epyx
Printmaster V1.1B.....Unison World	Thinking Cap.....Broderbund
Quake Minus One.....Mindscape	Timeworks 128 Copy Util...Timeworks
Rings Of Zilfin.....SSI	Two On Two Basketball....Activision
Robot Rascals.....Electronic Arts	Ultimate Wizard.....Electronic Arts
Rocky Horror Show.....Activision	Web Dimension.....Activision
Shadowfire.....Mindscape	Winter Games(*).....Epyx
Shanghai.....Activision	World Championship Karate(*)...Epyx
Spell Of Destruction.....Mindscape	World Games(*).....Epyx
Star Trek: Kobayashi.Simon & Schstr	World's Greatest Football(*)...Epyx
Statis Pro Baseball.....Avalon Hill	Writer's Choice 64/128...Activision
Sticks Of Death.....UXB	Xyphus.....Penguin
Summer Games II(*).....Epyx	Zoids.....Activision

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