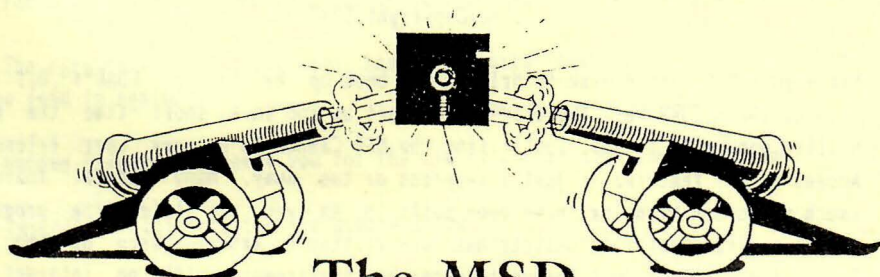


KRACKER JAX

PROTECTION BUSTERS
PRESENTS



The MSD Dual Drive Cannon

**For the C64 or the C128 (in 64 mode)
with the MSD dual drive.**

If you own an MSD dual drive, you already know that you own a superb piece of high-tech equipment. But if you don't own the right utilities, you're not getting all the performance your MSD drives can offer. What kind of utilities? Take a look at these:

- * A NIBBLER – Copies bit by bit for working backups of most protected software!
- * FAST COPIER – Won't transfer errors – perfect for data or Kracker Jax parameters!
- * FILE COPIER – This utility makes file maintenance and manipulation tasks easy!
- * SECTOR EDITOR – This was created specifically for use with the MSD dual drives!
- * KRACKER JAX – You also get 32 of our hottest, most popular parameters!

THE MSD DUAL CANNON

Programed by: Jesse Knight / William Sawvel

Designed by: Les Lawrence

Parameters by Kracker Jax

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Place your MSD Cannon disk in drive 0 and boot up by typing: LOAD"8,1 and hitting the RETURN key. The drive will start up and in a short time the main utility menu will appear. You'll find the MSD Cannon to be very user friendly. Access to all features is just a keypress or two away. Many special features (such as screen blanking) have been built in. As you use this fine program, you'll realize that this utility has been written by expert users of the MSD Dual Drive, and not just thrown together by programmers with no interest in using the finished product.

The startup menu has been set up to be your main work station. Let's go over the individual keys and their functions.

<F1> Disk Device number: defaults to 8 but may be set to 9,10,or 11. Your drive must be hardwired to accept non-default values.

<F3> Source Drive Number: defaults to 0 (left slot) but may be set to 1 (right slot) for access to either slot at any particular time.

<c> Copy Files: will start reading the directory of the source disk in preparation for file selection (see file copier section).

<C> Copy Files: If a directory has been brought up prior to the need for file coping, you may press a shifted c <C> for instant access.

<s> Scratch a file: will prompt you for exact file name.

<n> New disk: will prompt you for a new disk name and ID number; formats in 15 seconds (source drive only).

<v> Validate: updates the BAM of the disk in the source drive.

<m> MD64 Plus: Loads the MSD Cannon's custom sector editor; will prompt you to insert the Cannon disk in the source drive.

<d> Directory: will bring up the directory of the disk in the source drive. Once a directory has been viewed, you may bring it up again by pressing a shifted d.

(D) The directory (previously read) has been stored in memory and will not have to be read in again.

<r> Rename File: will prompt you for the old file name and a new file name.

<i> Initilize: will intilize the source drive.

<e> Error Status: will report if a problem crops up.

<a> Archiver: will load the Archiver copiers from the Cannon disk. Prompts you to place the Cannon in the source drive. (See Archiver section)

COPY FILES

Depressing the <c> key from the main menu will cause the source drive to read the directory and then bring up the "Copy Files" menu. Please note that each file is reported with correct name, blocks in length, file type, and starting track and sector. Files other than program files appear in red, as do previously scratched files (denoted as scr). These files may or may not be copiable or recoverable. The menu is fully documented on screen. For total clarity, we will describe the active keys.

<Cursor> Move the x marker up and down the files as a pointer.

<Spacebar> Select by highlighting the file pointed at.

<x> Reverse all files on or off.

<n> See the next screen of files, if any.

<c> Begin coping selected files from source drive to formatted disk in destination drive.

<Left Arrow> The left arrow (above the Control key) returns the user to the main menu.

When the copy is complete, three new prompts will appear.

<F1> Make another copy: insert a newly formatted destination disk.

<F3> Return to list: You may return to the list to inspect or select new files.

<F7> Return to main menu: Returns to menu, directory files are still in memory.

MD 64 PLUS

This option may be accessed by depressing the <m> key from the MSD Cannon main menu with the Cannon disk in the source drive. We feel that you will find this to be one of the best sector editors ever written for the Commodore computer and absolutely the best for the MSD Dual Drive. Unlike other sector editors, you may access either drive at will. The commands are relatively simple.

The opening menu commands are:

<F1> Disk Device: defaults to 8 but 9,10 and 11 may be used with their respective set drives.

<F2> Disk Drive: source drive defaults to 0, but 1 may be used if you wish.

<F3> Printer Device: Tests for printer and defaults to 4,5, or none if none is available. Commodore type printers are supported by this option.

<F5> Starting Track: Defaults to 18 but any from 1 to 40 may be selected.

<F7> Starting Sector: Defaults to 1 but any legal sector for the track chosen may be inputed.

<RETURN> Reads chosen track and sector.

<Q> Will allow you to return to the main menu.

After reading the first sector, a new menu will appear on the work screen. The following are the available commands.

<@> Allows you to change bytes in decimal.

<+> Read next sector in numerical order.

<n> Read next sector in file.

<j> Position cursor over track pointer by file name and jump to start sector.

 Read in any inputed track and sector at will.

<r> Rewrite sector to original or copy.

<s> Swap disks, read sector from new disk.

<d> Dissassemble machine code.

<t> Text mode to write text instead of decimal.

<-> Scan backwards next sector in numerical order.

<N> After n key has been used, you may read backwards with this key.

<J> Jump back to previous file link.

 Go back to last sector read in with b key.

<c> Copy sector to new disk.

<p> Printout in either the ASCII or Dissassemble mode entire sector.

<q> Quit to return to main menu.

MSD ARCHIVER

Depressing the <a> key from the main menu will allow access to the archiver menu. It is from this menu that all full disk copying takes place. The main commands are:

<F1> Nibble : nibble disk to reproduce copy protection if possible.

<F1 F1> Remove Errors : Will return a protected disk to standard data (perfect for Kracker Jax Parameters).

<F1 F1 F1> Stop on Error : Fast copy for unprotected disk will stop if errors

are encountered.

<F3> One Shot : Allows one copy of disk and then returns to menu.

<F3 F3> Auto Mode : Allows you to begin copying and then disconnect your MSD from the Computer. Removal of destination disk is sensed and sets drive up to copy another disk.

<F5> Starting Track : Input tracks 1 to 40.

<F7> Ending Track : Input tracks 1 to 40.

<s> Toggle source drive from 0 to 1 and back.

<c> Start copy : Begin copying.

<m> Return to main menu.

<p> Access parameter menu. Insert the MSD Cannon or any Kracker Jax Parameter disk.

MSD CANNON PARAMETERS

Kracker Jax Parameters are among 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. One other item you need to be aware of is the fact that most but not ALL of the problems you experience with the loading of commercial software on the MSD can be traced to today's copy protection. Kracker Jax parameters are designed to alleviate these problems if at all possible. If,

after applying the correct parameter to any given program, you still cannot load that software on your MSD, it probably is related to fast loaders installed in the software or drive memory access not compatible with the MSD.

To use the Kracker Jax Parameters, just follow these steps in order:

1 From the archiver menu, select the Remove Errors option with the F1 key.

2 Copy your original disk.

3 When the backup is complete, remove the copy from the drive, place the proper Kracker Jax disk or the MSD Cannon in the drive and select P for load parameter menu.

4 When the 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.

5 When the parameter is loaded, remove the Parameter disk, insert the copy you just made, and press RETURN.

6 When the "Finished" prompt appears, turn your computer off and on again. You may now test run your backup disk.

IN CLOSING

We have made every effort to ensure this utility becomes one of your favorite ever for the MSD. As you are aware, most software publishers are using copy protection to prevent you from backing up your software. We, on the other hand realize the security afforded you, the end user if you are able to back up your software. It is for this reason, no copy protection has been employed on The MSD Dual Cannon. (You may even load and run, or file copy the manuals from the directory.) We ask you to PLEASE tell your friends if you feel this software is well worth the money you paid for it. Ask them to PURCHASE a copy and support the programmers who put together this package for you. Your support will provide us with the means to continue to develop high-quality products at fair prices. Thank You

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