

## **Transfer 95 Version 3.96**

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### Registration

This software is released as 'ShareWare' NOT 'FreeWare' and your need for registration is based on the programs ability to help you. If this program meets this requirement, please send the registration fee as outlined below:

*(SEE ORDER.DOC For fee scale)*

### To Register On CompuServe

GO SWREG and enter one of the following:  
Individual Registration ID# 10473

### Credit Card Orders

You can order with MC, Visa, Amex, or Discover. Please direct your call to ITS Systems, and you will be given ordering instructions.

Credit card orders usually take one day for phone delivery of the registration information.

### To Order By Postal Mail

Fill out and mail ORDER.DOC that is supplied with this file.

Payment method:

Money order: Usually takes two days for mail delivery, and you will be notified upon receipt with registration information.

Personal or Business check: Usually takes two days for mail delivery, and you will be notified ten working days after receipt with registration information.

### Registration Notes

When registering within the program, it will ask you for your name, or company name. When you contact me for a registration key, I will require the name, exactly as you intend to input it into the registration sign up window (Case Sensitive). This is not necessary when registering VIA

compuserve(GO SWREG), I will normally use the name as it is presented to me. (See *LICENSE.TXT & ORDER.DOC for LICENSE terms, and fee scale*).

### Benefits Of Registration

Registration qualifies you for certain privileges not granted to unregistered users.

As a registered user:

- 1) - You will no longer be bothered by the delay during the opening registration reminder screen (RRS).
- 2) - Phone support will be provided. (*As described in LICENSE.TXT*)
- 3) - You will have full access to the "Transfer A Drive" function. No more 200MB limit.
- 4) - Your name, or company name will be recorded within your copy of the program, and displayed in the about window, and on the DOS screen.
- 5) - The registration key that you receive, can be used to register updated versions of this program. (If applicable).

### Obtaining Updates

The official distribution point on CompuServe is the Windows 95 forum (GO WIND95). You can also receive support for Transfer 95 on this forum. The Windows 95 forum is maintained by WUGNET.

The Windows Users Group Network [WUGNET], operators of the oldest and largest independent support resource forum [WINUSER] for Windows users on CIS with over 1,000,000 active members is recognized in the press, user groups, developers, and Microsoft as the foremost resource for shareware publishers on CompuServe and the Internet.

Also for the very latest information, and updates to Transfer 95 and other ITS Systems shareware please visit our home page on the internet. The URL is:

[http://ourworld.compuserve.com/homepages/its\\_systems](http://ourworld.compuserve.com/homepages/its_systems)

\*\*\*\*\* Disclaimer \*\*\*\*\*

Please READ and UNDERSTAND *License.txt* which is distributed with this document.

### Distribution Policy

"This distribution policy ONLY applies to **"ShareWare"** versions.

You are free to use, copy and distribute this software for **NON-COMMERCIAL** use if:

1. - No fee is charged for it's use, copying or distribution.
2. - It is not modified in any way.
3. - It is distributed in it's original archive package, containing all original files.

Clubs and user groups may charge a fee not to exceed (\$5) for media and handling for distribution of the software.

This distribution policy only applies to the software, herein contained within this archived media. All other distributions of this software can only be made by ITS Systems and Michael J. Steiner. (**SEE LICENSE.TXT**)

### Packing List

TRANSX95.EXE - The executable program.  
README.DOC - This documentation file.  
TRANSX95.HLP - The help file.  
LICENSE.TXT - License agreement terms.  
ORDER.DOC - Registration & Site license application.  
VIEWER.EXE - A text based viewer used by Transfer 95.  
HELP.TXT - The basic usage statement.  
READ\_1ST.TXT - A text based document containing information on documentation type, and installation instructions.

### \*\*\*\*\* Warning \*\*\*\*\*

Wherever performing operations below the level of the operating system, there are inherent dangers, ie. causing damage to the system integrity, and programs contained there. Safeguards have been put in place to insolate the user from these dangers, although not all possibilities can be prognosticated. If you do not accept these inherent dangers, do not execute, or use this program. Please **DO NOT** for your own data safety **FORMAT, ERASE, SELL** or **DISCARD** your old hard drive until you are completely sure the new one is working to your satisfaction.

### System Requirements

- 486DX or above 100% IBM compatible CPU.
- Windows 95
- 520KB of conventional memory free.
- 2MB Extended memory free.

- At least 50 MB or free space on your source drive.  
(For Transfer operation. Using Dynamic Swapping.)

### Application Notes

The main goal of this program is to:

Avail the user with an application with which the Windows 95 operating system, can be exported from one physical hard drive, to another physical hard drive, including all pre-installed applications, and their associated settings.

***Please read this document completely before attempting any operation.***

### Control Line Arguments

- +Cn - Case state, used for debugging. n 1-10. Contact ITS Systems for a more detailed description.
- +Rn - Used to control the screen resolution. n=1-80x25, n=2-20x28 n=3-80x50
- +VC - Enable the internal video cache.
- +P - Enable pop-up windows.
- +MEM - Conserve conventional memory where possible.
- +SVn - Use video interface. n=0-Default, n=1-Use TTY, n=2-Use BIOS.
- +LB - Use low intensity background colors.
- +LF - Use low intensity foreground colors.
- CPU - Bypass the CPU detection and speed test. (Maybe needed on 100MHZ and above processors).
- B - Disable the Typematic error reporting mode.
- L - Bypass the low conventional memory test.
- VSB1 - Video set back switch, default is set back video, if this switch is used the video setup by the program remain in effect even after termination.
- Pn - Set virtual memory type priority sequence, n=1-XDL, n=2-XLD, n=3-DXL, n=4-DLX, n=5-LXD, n=6-LDX.

Where:

X=Extended memory.

D=Disk memory.

L=Conventional memory.

- In - Set virtual memory security level. n=0-LOW,n=1-HIGH.
- ? /? - Show help screen.
- A - Update B/I to I with each video pass.
- NM - Bypass mouse initialization, even if a mouse is present in the system. (Will not use the mouse)
- PRE - Do not preserve time, date, or attributes of files, or attributes of directories during the "Transfer A Drive" function. The default does not preserve time, or date of directories.
- IDC - Do not check for illegal characters present in directories while using the Transfer A Drive function.
- +WBC - Do not check for Windows 95 when doing Transfer Boot Code.
- +BW - Disables all color display. Use for Monochrome & LCD displays.
- DIR - Use alternate directory building functions.
- +NDT - Use with the no default primary tilde bypass patch.
- NSTAT- Do not calculate or use status output during the Transfer A Drive function.

### Window Title Bar Components

Located on the title bar you will find a few shortcut buttons. To activate these shortcut buttons you can either press their keyboard characters, or left click on them with the mouse. The first of these would be located in the upper left hand corner, and is the (-) symbol and when activated will show you the previous page. Next would be the (?) symbol and calls help for that window, then there is the '\*' symbol which when activated puts that windows time out value on hold. And last is the 'X' symbol which will allow you to close the program from where you are. A word about the time out value. The time out value is displayed along the lower right hand corner of the open window. This value has a preset of 60 seconds, if after 60 seconds if a button choice has not been made, then the default(Hilited) button will be automatically chosen.

### The Main Menu

There are three main portions to this menu, first is the drive selection areas, second the function action buttons, and third the action button description area. Note: All functions are LFN aware. If you are using the keyboard to access the function buttons, use ALT and the hi-lited letter to access that function. NOTE: The main menu will time out after 30

minutes of inactivity, a tone will sound before exiting and you will be given 60 seconds to reactivate the program, if you do not and you are running Windows 95 you will be returned to Windows 95. If you are running from a DOS prompt the system will reboot.

## Menu Level 1 Functions

### The "Transfer Boot Code" Function

This function moves the Boot Code from the source drive to the destination drive. This function also makes the destination drive active, to keep drive swapping to a minimum, You must use this function from the DOS prompt(not a DOS box from Windows 95).

Note: That the destination drive must be locked before execution of TRANSX95, and from the same DOS thread used to LOCK the drives. This function will reboot your computer after its completion. *Drives connected to the secondary port of an IDE controller cannot have the boot code transferred to them.*

There has been some confusion as to the purpose of this function. This function has two goals. The first is to analyze both the source and destination drives Boot Code areas, and see what might need updating on the destination drives Boot Code area. Under some circumstances this may not be necessary, and when it is not necessary it will no be done. The second purpose is to set the destination drives primary partition to an active status, this is to keep drive swapping to a minimum.

*Note: The LOCK command allows low level access to your disk drives. The Locking action is reversed whenever an UNLOCK command is executed on the drive, or you return to Windows 95. A LOCK command issued on a LOCKED drive will fail.*

### The "Transfer A Drive" Function

The "Transfer A Drive" function is used to transfer, or copy the contents of the source drive to the destination drive. More precisely stated, it rebuilds the destination drive from the ground up. This is accomplished through the use of high level<Low layer>(WIN95) functions.

This function is best preformed when running Windows 95 in the **SAFE MODE**, There are three files that will not be copied. These files are: **"WIN386.SWP", "FSVUNDO.DAT", and "386SPART.PAR"** the second file is only present if you use Norton Navigator for Windows 95. The third file is only used in shared Windows 3.x and Windows 95 systems. There is no harm in skipping these files, as Windows 95 will simply rebuild them when you reboot the system.

If you plan on booting from this drive, make sure you do a "Transfer Boot Code" procedure first. You will also need to change your CMOS settings, and jumpers on the hard drive itself, Please refer to the respective manuals for instructions for each.

Transfer throughput: ~40MB/MIN.

With the dropping hard drive prices, it is possible to buy a second hard drive just to make a copy of the main drive, as a backup...

Before doing the "Transfer A Drive" function, please run Norton Disk Doctor, or Scandisk, and completely defragment the source drive, with either Norton Utilities Speedisk for 95, or the Windows 95 program DEFRAG. Norton Speedisk is preferred, as Defrag does not completely defragment a drive. Also LNF directories that contain illegal characters will not be transferred, you will be notified if this occurs, or if transfer errors occur. A REPORT file will be generated and you will be notified if it is created after the transfer process has completed.

The copy procedures are as follows:

### [The Transfer Procedure, Adding A New Hard Drive](#)

*Please read through these directions before attempting the transfer. Do not read these directions while you are performing the transfer, if you do you may leave out procedures/steps that may need to be performed ahead of the transfer phase.*

NOTE: In the following example, it is assumed that you are copying the contents of drive C: onto drive D:, and that you will be making this new drive(D:) your bootable drive C:. Substitute drive letters as per your individual conditions.

- 1) Configure the new C: drive as drive D: adjusting CMOS & jumper settings.
- 2) Boot to a DOS prompt. (Hit the F8 key when you see "Starting Windows 95", and choose option #5 <non-network> or #6 <network> "Command Prompt Only")
- 3) Fdisk and Format drive D: (Destination).  
*NOTE: Disable the recycle bin for the destination drive prior to reaching this point. The instructions for doing this can be obtained from Windows 95 help.*
- 4) Lock D: drive. (**LOCK D:**)
- 5) Run TRANSX95.
- 6) Select drive C: as the source and drive D: as the destination.
- 7) Choose "Transfer Boot Code". (After this process the computer will reboot)
- 8) Boot into Windows 95. (Safe Mode)
- 9) Shell to a DOS session(BOX). (Start|Programs|MS-DOS Prompt)
- 10) Run TRANSX95.
- 11) Select drive C: as the source and drive D: as the

- destination.
- 12) Choose "Transfer A Drive"
  - 13) Leave TRANSX95.
  - 14) EXIT back into Windows 95.
  - 15) Shut down the system. (Power Off)
  - 16) Re-configure D: drive as the master drive, and set new CMOS settings.
  - 17) Boot to Windows 95 from the new drive.

### Combining Two Drives Onto One

In addition the "Transfer A Drive" function can be used to combine two drives into one drive, as long as there is no path, or duplicate root directory problems in doing so ie. Say you have two drives C: & D:. C: is your bootable drive, and contains your Windows 95 operating system, and Windows 95 applications, lets also say that your drive D: contains data, or DOS based files, and you want to combine them onto a larger drive.

- 1) Follow the <The Transfer Procedure, Adding A New Hard Drive> **(From above)**.
- 2) Shut down the system. **(Power Off)**
- 3) Place your old drive D: back as drive D: and adjust jumpers & CMOS as necessary.
- 4) Boot into Windows 95. **(Normal Boot)**
- 5) Shell to a DOS session(BOX). (Start|Programs|MS-DOS Prompt)
- 6) Run TRANSX95.
- 7) Select drive D: as the source and drive C: as the destination.
- 8) Choose "Transfer A Drive" Disregard the "Warning" about drive C: being in use. **(Transfer the files.)**
- 9) Leave TRANSX95.
- 10) EXIT back into Windows 95.
- 11) Transfer is complete.

Thanks in advance for trying this product.

Sincerely,  
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