

# Help Categories



[License](#)

[Using Communication Ports](#)

[Winbbs.ini Structure](#)

[Modem.ini Structure](#)

[Adding Files locally](#)

[General Information](#)

[Creating Doors](#)

[Config.dat Structure](#)

[What is Shareware?](#)

[User.dat File Structure](#)

[About INFO-SERVE](#)

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# Communication Ports



## COM PORTS

Windows 3 provides support for COM1 through COM4. WinExpress allows you to 'request' access to any of these ports. If you have an AT or XT class of computer, access is allowed to at most TWO ports at any given time. These two ports must not share the same interrupt level. In other words, at most you can use one of the following pairs of ports:

- \* COM1 and COM2
- \* COM1 and COM4
- \* COM2 and COM3
- \* COM3 and COM4

The following table lists the default base Port and interrupt levels assigned for COM1 - COM4.

DEVICE	PORT ADDRESS	INTERRUPT LEVEL
* COM1	3F8	IRQ 4 (IRQ 2 if mouse installed)
* COM2	2F8	IRQ 3
* COM3	3E8	IRQ 4
* COM4	2E8	IRQ 3

Windows lets you change the BASE Port address for any of these ports (see SYSINI2.TXT) but, unless you have an EISA or Microchannel system, the interrupt level cannot be changed from the defaults shown above. If you have COM3 and COM4 and it is not recognized by Windows, your BIOS may be at fault. The job of the BIOS is to instruct dos as to your hardware configuration upon each boot of your computer. To determine what serial hardware has been recognized by your BIOS, use a debugger like symdeb.exe to examine special memory addresses in your computer. Windows will blindly believe that hardware exists for any base Port value placed in the following memory addresses:

DOS ADDRESS	PORT
0040:0000 - 0001	COM1
0040:0002 - 0003	COM2
0040:0004 - 0005	COM3
0040:0006 - 0007	COM4

It is the job of your BIOS to determine the contents of these locations. If the BIOS is not doing its job, these addresses may be updated by an experienced expert. Some public domain utilities will also do this for you. If any of these address pairs are zero, no Port is assumed. To check if Windows recognizes these addresses, select the 386 enhanced setup from control panel (if you have a 386 or 486). All recognized ports will be listed. If you have 3 comports I suggest you put your mouse on 3 and use 1 and 2 for the BBS if you are having problems. If you decided to put your mouse on COM1 and WinExpress on COM3 we suggest you use

- \* com1> COM1 03F8 2
- \* com2> DEFAULT DEFAULT

\* com3> COM3 03E8 4  
\* com4> DEFAULT DEFAULT

These can be changed in the control panel. WinExpress DOES NOT SUPPORT MNP. Do not call remotely with MNP ON. If you are having trouble getting WinExpress to work with your comport try switching to Standard Mode and see if that works. If it works in standard mode then it should work in Enhanced mode with a bit of fiddling on your part. This is how your INIT.INI file should be used. This is a sample for the ViVa 9642e modem.

-----  
ATH  
ATZ  
AT  
AT&F  
AT&C1&D2S36=7S38=0S12=0&Q3\N1  
ATE1M0Q0V1X4H0S7=45S95=44S0=1&W  
-----

This is a sample for the Practical Peripherals 14.4 Modem.

ATZ  
AT  
AT &F&W  
AT &C1 &D2 S36=5 S38=0 S46=0 &Q5 N1  
AT E1 M0 Q0 V1 X4 H0 S7=70 S10=20 S11=55 S12=0 S95=44 S0=1

If you have a plain 2400 baud modem these settings should work.

-----  
ATH  
ATZ  
AT&C1&D2  
ATE1M0Q0V1X4H0S7=45S0=1  
-----

If you have a 1200 OR 300 Baud modem these settings should work.

-----  
ATH  
ATZ  
ATE1M0Q0V1X4H0S7=45S0=1  
-----

Please refer to your modem manual for details on these commands. If the system has problems dropping carrier then add S12=0 to the INIT.INI file.

# WinBBS.ini File Structure?



REFRESH=Minutes

This option refresh's the modem specified in minutes while waiting for carrier. The smallest amount allowable is 1 minute. This will make sure that the system is always up and running. Basically, this option resets the modem every so minutes specified by you. We recommend 15 Minutes.

KBTIMEOUT=Minutes

Number of minutes before a keyboard timeout occurs while a user is online. This option checks to see if a user has hit a key within the time specified. If no key was hit the system will drop carrier.

SOUND=(0=False) (1=TRUE)

if you enter 0 then sound is turned off else if you enter 1 then sound is enabled. Only applies for Chatting & Connecting.

STARTUP=(0=Normal) (1=Minimized)

if 1 is entered the bbs will startup minimized.

VBLIB=(0=False) (1=TRUE)

If this is set to 1 then VBRUN100.DLL will be loaded in memory. This will speed up the bbs but will use more memory. Use this option if you have lots of memory.

WINLOGO=(0=False) (1=TRUE)

If set to 0 the WinExpress Logo will not appear. If set to 1 the WinExpress logo will appear.

POLLING=(0=False) (1=TRUE)

If polling is set to 1 then system will check to see if any background tasks are running and adjust the amount of CPU time to the bbs accordingly. The more tasks running the more time the CPU will give to the bbs.

DISKIOPRIORITY=(0=False) (1=TRUE)

If set to 1 then system will make diskio a priority. This will slow down the Background task a bit and increase diskio WRITING in the BBS. This option only works while messages are being saved to disk. Each time a line is saved time is released to the rest of the system.

INBUF=size (Default=2048)

This option will allow you to change the size of the input buffer when receiving data over the modem.

OUTBUF=size (Default=2048)

same as INBUF except this is the output buffer. The bigger you make this the more memory is taken up but more data can be sent.

AUTOANSWER=(0=False) (1=TRUE)

Set this to 1 if you want your modem to answer the line. Otherwise the software will answer. Set this to 1 if you are using a high speed modem or the bbs does not answer the line.

FORCEMAIL=(0=False) (1=TRUE)

If set to TRUE(1) WinExpress will ask new users to leave an intro message to the SYSOP. The message can be aborted by the user if wanted.

FRECORD=(0=False) (1=TRUE)

If set to 1 the system will record all the activities of a user online. All input will go to a file called USERS.LOG. Do not delete this file while the bbs is running. The file will only be updated when WinExpress is shutdown.

PHONEBUSY=(0=False) (1=TRUE)

If set to 1 the system will put the modem into busy state when exiting the bbs.

LOCKOUT=(0=False) (1=True)

if set to 1 (300 & 1200) baud callers will be denied access to the system. Only 2400 Baud and higher can connect properly. Callers with 300 or 1200 baud modem will be notified to call back at a higher baud rate.

FILEDIR=

This will allow you to change the Upload+Download directory to whatever drive or directory you want. If left as is then it will default to BBS\RECEIVE.

Example: FILEDIR=D:\DOWNLOAD

Make sure you specify the drive and directory when using this feature.

FONTTYPE=

WinExpress will use whatever Font you specify for FontType. The default is Terminal.

NOTE: Not all Fonts will work properly with WinExpress. We suggest you experiment for best results. 1024x768 will not accept Terminal. Try others for best results.

Fonts that work are.

- 1) Terminal
- 2) Courier
- 3) Courier New
- 4) Fixedsys
- 5) VT102\VT52

SYSOPPW=

This is the password for the SYSOP menu. Leaving this Blank disablesthis feature.

CURSOR=XX

ASCII number of cursor type. You can change your cursor character by putting  
a number after cursor=.

-----

## ***Modem.ini?***

Modem.ini contains the connect strings that are needed for WinExpress to function properly. Unless you have a good understanding of modem commands we advise that this file not be tampered with.



## ***Adding files locally***

Before adding any files locally the first thing you must do is to copy them to your files directory (RECEIVE). Once all the files are in the directory you are ready to log in locally. Once you are in the file area press "U" for upload. Enter the program name. WinExpress will check to see if that file exists. Then press any protocol when prompted, enter the description for that file. Once all that is done you must now validate the file. Once that is done press "V" to validate the file. The file is now ready for anyone to download. Here is the file structure for RECEIVE.XX file. Each file area has its own RECEIVE.XX.

```
Type transfers
filename As String * 13
filedesc As String * 60
filesize As Long
filedate As String * 12
filefrom As String * 20
fileid As Integer
trvalid As Integer
End Type
```

# General Information



09/06/1992

WinExpress Ver 1.6

Whats new in 1.6

=====

Remote Sysop menu now has a new command. [R]eboot Windows  
This option will Exit Windows while you are online. Make sure  
you put this in your script file (SYSTEMU.SCR).

-----  
You now have the option to Exit Winexpress or Exit Windows  
and drop to DOS immediately when clicking on the EXIT command.

-----  
In local mode you can view the programs currently running when  
logging in. This is also available remotely.

-----  
New script command added.

<u>TASKLIST</u>	This will display the current task list
REBOOT	This will reboot the system to DOS.

-----  
Menu.exe now has the option of allowing users to view the children  
tasks running under WinExpress. WinExpress must be in the foreground  
and background tasks in the background for a accurate list.

-----  
Two internal errors found and corrected. You should see less errors  
in the ERRORS.DAT file.

-----  
You can now use another file instead of CONFIG.DAT at the command line.  
This will allow you to run more than one version of WinExpress with  
different config files.

EX: Winbbs config1.dat  
Winbbs config2.dat  
Make sure that the config file is configured for the different ports.

If nothing is specified at the command line CONFIG.DAT is used.

-----  
File areas can now have there own names. They no longer reflect the  
message areas. A file called FILES.DIR can be loaded into a word  
processor which you can change to meet your needs. The maximum  
files areas allowed are 255. If this file is not present the  
system will use the message base names instead.

To create this file use a word processor and create a file called FILES.DIR

Now enter the file area names with a CR for each one.

```
** General **  
** Pascal  **  
** Windows **
```

The maximum length per entry is 20 Characters

-----  
We rewrote the display procedure when listing file areas. It now lists them in two columns instead of one.

-----  
A cursor has been added to local logon.

-----  
You can now add Scripts to events.  
-----

Two user defined script file names have been added. This will allow you to add options using the script language.

Sequence of bulletins and files displayed when user logs in.

```
LOGON.BBS  
|  
BULLETIN.BBS  
|  
DEFINE1.SCR==> This is user definable  
|  
INTRO.SCR  
|  
INFO.SCR  
|  
CHECK MAIL  
|  
DEFINE2.SCR==> This is user definable  
|  
MAIN MENU  
READ MENU  
FILE MENU  
VOTING MENU
```

-----  
Changes were made to the local program which now allows 2% more system resources than previous versions.  
-----

WIN.INI & SYSTEM.INI Configuration.

WinExpress must modify two of your .ini files to work properly. Here is the modifications made. These can be restored by using the uninstall program in the bbs directory. This will delete

the bbs as well as restoring your ini files as they were before installing WinExpress. Here are the changes that are made to the ini files in the Windows directory.

```
[Win.ini]
Path=drive+Colon
Dir=Directory
```

```
[System.ini]
KeyBoardDelay=0
KeyBoardSpeed=31
MinTimeslice=11
Com1Base=03F8
Com2Base=02F8
Com3Base=03E8
Com4Base=02E8
Com1AutoAssign=10
Com2AutoAssign=10
Com3AutoAssign=10
Com4AutoAssign=10
```

#### Whats New in Ver 1.6

- \*\* Help files are now built into the BBS. You can search for Topics or browse.
- \*\* Many internal bugs have been fixed.
- \*\* A file called INIT.INI had been added. This is where you put your modem strings.
- \*\* You now have the ability to change font types. More Fonts available.
- \*\* You can also change Font Sizes.
- \*\* Backspace slow down fixed when DOS Windows opened. WinExpress Must be Minimized

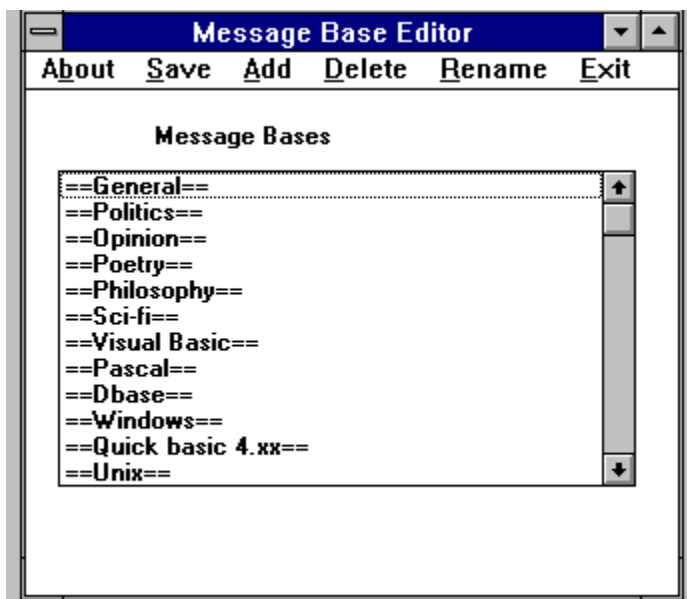
-----  
All .EXE programs are called up from within your Windows(tm) WinExpress window. None of these programs are DOS executable.  
"Minimizing" WinExpress will increase speed while you are multi-tasking. The speed increase is dramatic and noticeable. When Minimized, WinExpress stops writing to the screen thus increasing overall performance.  
The Load command in WIN.INI seems to cause a problem with WinExpress when it is loading. This will be fixed in future versions. As a registered user you will receive this automatically. We are not sure if it is a bug in VB causing this. The next version of VB will let us know.

WINDOS: is a Windows dos shell (also written by the author of WinExpress) included in this package. To view the commands available in WINDOS, type HELP at the command line. Several bugs have been fixed in Windos and we are still upgrading it.

DORINFO1.DEF: Each time a user logs on, a file called DORINFO1.DEF is created so doors programs can be executed in DOS. If you have a 286 and use a DOS door you will loose your Multi-Tasking Capabilities. We will soon be working on Windows door applications; at the time of this release, one sample door program has been included.

DOOR.SYS: Each time a user logs on, a file called DOOR.SYS is created

so doors programs can be executed in DOS. If you have a 286 and use a DOS door you will lose your Multi-Tasking Capabilities. We will soon be working on Windows door applications; at the time of this release, one sample door program has been included.



SIG.EXE is the command program for setting up and modifying your message bases, or SIGs (Special Interest Groups). DO NOT RUN THIS PROGRAM WHILE THE BBS IS ONLINE.

READING LIBRARY: This function is called up from the Main Menu [R]ead files command. The Read Library currently contains a maximum of 5 files (5 samples are included and can be replaced with anything you wish). It will be expanded in future upgrades. These files must be placed within your BBS directory. You can change what files you wish displayed by using the DOCUMENTS command from within your Windows WinExpress window.

DOORS: This function is called up from the Main Menu [D]oor. Most door programs will function with WinExpress.

#### REMOTE SYSOP FUNCTIONS:

WinExpress allows you to login remotely to DOS to perform maintenance. You could also boot programs up that use dos to write to the screen and do not need Keyboard input.

VOTING: Users can create Polls from 5-9 days. 9 Questions are available.

BULxx files: These files are displayed in each message base (SIG) if you have created them. You can use them to describe what the message base is about and what is expected, etc. BUL1 will be displayed to anyone requesting the Sig Bulletin command from the Messages Menu, from the prompt in SIG 1. For each Sig (message base) you can create a BULx file to go with it, BUL2 being attached to base 2, BUL3 being attached to base 3, and so on.

ICON: WinLocal

-----  
Activates Local.exe, allowing the SYSOP (or anyone) to log on to the BBS from the local console. Typing BYE or OFF at the logon prompt will cancel local logon and return the bbs to waiting for caller status.

ICON: WinSigs

-----  
Activates Sig.EXE, allowing you to add, delete and rename message bases (sigs). WinExpress supports up to 200 message bases.

ICON: Readme

-----  
Reads this file. You must have Windows Notepad.exe to use this function.



WinExpress allows you to perform many functions while it is up and running. Click on one of the options.



STATUS Information when reading messages.

```

The Byte | George | Acc= 20 | 514-336-3919 | LOCAL
files\rmenu.ans      tprompt.scr      00:00:32      07:49:04

----- Message Functions -----
[G] Goodbye
[RETURN] New/Next Message(s)
[N] Next message/Skip to next
[C] Call for Chat
[D] Delete a Message
[S] Select Starting Message #
[B] Browse Messages
[M] Mailbox - Check your private mail
[P] Pad - Write notes in your Pad
[O] Global Msg Scan

----- Sig Functions -----
[R] Reply To MSG
[L] List message Sigs
[J] Jump to next Sig
[Sig No.] Go to Sig No. xx
[/] Re-Read
[.] SigOp's Bulletin
[U] Users in Sig
[Q] Quit to Main
[F] Lock/unlock Sigs

-----
[1-114 ^ 10][Sig: 1]
[Mins 45][==General==][Q]uit [P]=Pad [?]=Menu >

```

Program Manager MS-DOS Prompt WinExpress Ver 1.5

The first number represents the starting message number 1.  
The second number represents the last message number 114.  
The Third number represents the last message number you read 10.

-DOORS- A sample "quotes" door is included with this version.  
You can replace this quotes.exe program with any door program that uses DORINFO1.DEF or one that does not require another special DEF file. NOTE: running a door on a 286 with this program will cause you too lose your multi-tasking capabilities. Recommended for 386 and up. We suggest you create a Batch file then shell to this.  
Make sure you copy Dorinfo1.def to the appropriate directory.  
You must also create a PIF file for your door program if it runs in a DOS window. For a sample see CREATING DOORS .

WinExpress also supports DOS and Windows Doors. If you are interested in creating your own doors we will soon have a door generator program for WinExpress. This will allow you to create any type of door program and have users execute them online.

#### CONFIG

-----

This is the User Configuration program, and should be self-explanatory.

You can modify user's access levels while they are on line. Information for each user is stored on its own individual screen. Clicking on the Realname, Aliasname boxes on the left side of the screen will allow you to search for users with matching criteria. Within Config, you can use the horizontal scroll bar or your arrow, PgUp, PgDn, Home and End keys to scroll through your user file. When you flag a user for deletion, the next NEW user who logs on to your BBS will take up that spot, erasing the flagged user's file information.

-ABOUT- Displays WinExpress info and your Registered version info. The Registration name and number is personalized with each package and is embedded in the source code. Any attempt to tamper with this info will cause the BBS to cease functioning. If a registered version is found circulating, or in use by anyone else but the registrant, the registrant will be queried and possibly pursued for software piracy.

#### CHAT

----

Toggle switch: Click on Chat to "talk" with the user currently on line, and click again to return the user to the BBS.

#### EXIT

----

It is IMPORTANT that you use this command to take the BBS offline, and not the Close command in the File box, as the latter will not release the com Port.

#### FILES

-----

WinExpress uses DSZ.COM for file transfers. DSZ is a Shareware program which can be found on most BBS's. The File transfer will not work without a copy of DSZ.COM in the BBS directory. When a user uploads a file it will automatically be flagged as **\*\*UNVALID\*\***. To validate this file press "V" and type the name. To upload a file locally you must first place the file in the directory then upload like a normal user. The file transfer supports ZMODEM-YMODEM-XMODEM using DSZ.COM. If you have a 286 you will not be able to multi-Task while the transfer is in progress. 386 machines and higher should have no problem. If you have a 386 and have problems we suggest you create a pif file for DSZ.COM. When a user uploads a file WinExpress will check if SCAN is present in the BBS directory and will do a Virus check on that file. If a virus is detected it will be deleted immediatley. If scan is not present no Virus check will occur. To change a file description remotely or locally use "."

**\*\*IMPORTANT\*\*** The PIF file supplied will have to be changed by you to reflect the correct path. The same should go for any pif file included. All pif files that use the comport should have memory locked. DOS applications that use WinExpress will always execute in iconized form. I suggest you set the background higher than the foreground for these programs.



## REMOTE SYSOP OPTIONS.

- \* As a SYSOP you have the option to validate users from remote.
- \* You can also shell to DOS from remote.
- \* Shutdown the complete system from remote or reboot Windows .

# Creating Doors



Creating doors for WinExpress because easy once you understand how it is done. Lets create a door for a program called FISH.EXE that is located on drive C: in directory FISH. First, click on system then click on doors. Enter FISH.BAT as the name and enter the description. We never put the real name of the EXE file, we use Batch files. Now save your door info and exit the door program. Go into your bbs directory and create a Batch file called fish.bat. This is the way your batch file will look like.

```
COPY DORINFO1.DEF C:/FISH
C:
CD /FISH
FISH.EXE
```

Now your Batch file is ready. You must now create a PIF file for FISH.BAT.

```
Program Filename: FISH.BAT
Window Title: FISH
Startup Directory: D:\BBS or whatever drive your bbs is on
Background=160
Foreground=50
Fullscreen ON
```

if you noticed in the Window Title we put only the name excluding the Dot and extension. This is very important for the program to work properly.

```
Example:Program Filename: TW2002.BAT
Windows Title : TW2002
```

```
Example
Program Filename: TAPEDOOR.BAT
Window Title : TAPEDOOR
```

If you do have problems with running some doors you will have to play with the PIF settings.

# ***Config.dat File Structure***



- 1) maximum baud rate
- 2) Port (1-4)
- 3) Drive
- 4) Not Implemented see INIT.INI
- 5) Allow new users (Y/N)
- 6) Chat Message
- 7) Time for events (EVENT.BAT)
- 8) Filename for EVENT
- 9) Number of rings before modem picks up
- 10) Directory where WinExpress is located.

If You change the drive or directory where WinExpress is located you must also make the same changes in the WIN.INI file under [WinExpress].  
Reserved for future use.

## ***What is Shareware. List***

What is Shareware?

Shareware is low-cost software that you can "try before you buy". This lets you download and evaluate software without any financial obligation. When you decided to use the shareware program, you are expected to pay the author a registration fee (typically ranging from \$5.00-\$100). Once you've paid, many authors provide you with manuals, updates, new versions and fixes. Shareware is based on the honor system. Conscientious payment of registration fees encourages authors to produce new shareware and helps ensure the continued availability of this valuable service. Reserved for Future Use.

# ***USER.DAT File Structure***



Type userlog  
realname As String \* 40  
aliasname As String \* 20  
password As String \* 20  
phone As String \* 12  
macro As String \* 40  
alert As String \* 1  
valid As String \* 1  
co As String \* 1  
color1 As Integer  
color2 As Integer  
color3 As Integer  
color4 As Integer  
sigop As Integer  
sigbase As Integer  
access As Integer  
row As Integer  
col As Integer  
hh As Integer  
mm As Integer  
maxcalls As Integer  
callstoday As Integer  
timeson As Integer  
birthdate As String \* 8  
deleted As String \* 1  
posted As Integer  
Private As Integer  
ansi As String \* 1  
expert As String \* 1  
computer As String \* 20  
baccess1 As String \* 1  
baccess2 As String \* 1  
baccess3 As String \* 1  
baccess4 As String \* 1  
baccess5 As String \* 1  
baccess6 As String \* 1  
baccess7 As String \* 1  
baccess8 As String \* 1  
baccess9 As String \* 1  
dummy As String \* 1  
option1 As Integer  
option2 As Integer  
option3 As Integer  
option4 As Integer  
option5 As Integer  
option6 As Integer

```
option7 As Integer
option8 As Integer
option9 As Integer
ldate As String * 10
ltime As String * 10
sex As String * 1
comment1 As String * 80
comment2 As String * 80
comment3 As String * 80
future1 As String * 1
future2 As String * 1
future3 As String * 1
future4 As String * 1
flag1 As Integer
flag2 As Integer
flag3 As Integer
flag4 As Integer
flag5 As Integer
dtr2 As Integer
totaltime As Long
lastread As String * 255
lockedbase As String * 255
siglock As String * 255
End Type
```

Reserved for future use.

# ***WinExpress Ver 1.6***



WinExpress Ver 1.6 is a very basic BBS system for Windows , which, given adequate shareware support, will continue to grow into a handsomely featured package that will include many new (and some rewritten) commands and features for the convenience and enjoyment of Sysops and users alike. Feedback is always welcome; many suggestions from users and visiting sysops have already been implemented or will be included in future upgrades.

# ***SYSOP***

Short for "System Operator". Any person running a BBS is usually referred as the SYSOP of the system.



# ***Bios***

The BIOS is responsible for handling the details of input-output operations.

# ***Windows***

Windows (tm) is a product of Microsoft, Inc.

## ***ERRORS.DAT***

A file in the main root of your BBS that records minor errors. This file should be sent to INFO-SERVE if you are having problems or strange occurrences.

# ***ASCII***

The American Standard Code for Information Interchange.

## ***Tasklist.***

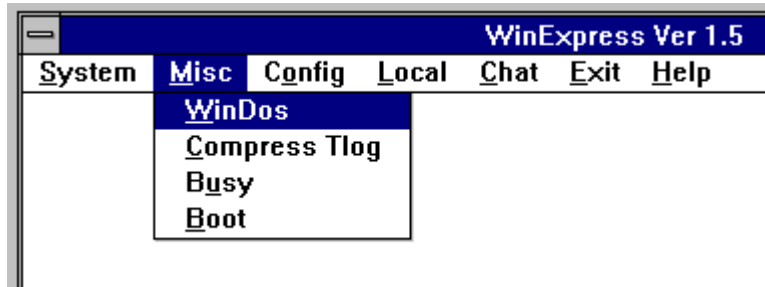
Another way to switch between applications is to use the Task List Window

- ↳ Press CTRL+ESC
- ↳ Double-click on any unused portion of the desktop(The gray area).

# **Batch**

Batch files are identified by the filename extension BAT. Inside a batch file is simply Ascii data in the normal format of an ASCII text file. Each line of the text file is a command that the command interpreter will attempt to carry out.

# Misc



MISC

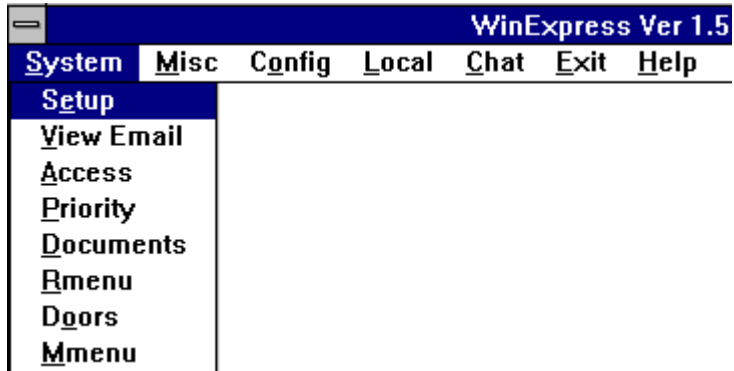
----

-WINDOS- Exits to WinExpress' Windows Dos shell. Type EXIT at the command prompt to return.

-COMPRESS TLOG- This will compress the file TLOG.DAT which displays recent callers when invoked from the [W]ho Called command in the main menu.

-BUSY- Toggle switch: click once to take the modem off-hook, and again to place it back on.

# system



- 1) SETUP --- Lets you set various options.
- 2) VIEW EMAIL --- Read Private Mail.
- 3) ACCESS --- Create Access Levels (1-20).
- 4) PRIORITY --- The higher the number the more CPU time for WinExpress.
- 5) DOCUMENTS --- Setup text files for users to read.
- 6) RMENU --- Change Keys for the read menu.
- 7) DOORS --- Setup doors for the BBS.
- 8) MMENU --- Change Keys for Main Menu.



# ***Port***

Every device that is external to the system unit must be attached by a cable to the bus. This point of attachment is called a port, or a connector.

# ***Virus***

A piece of "code" that replicates, reproduces, or propagates itself in its own image or, in the process of replication, reproduction, or propagation, may "mutate". A virus's job is to make more of itself.

# Config

Configuration program.  
Click on any item for further help.

Realname:	George
Aliasname:	The Byte



Click on any item for more detailed information.

## ***Search.***

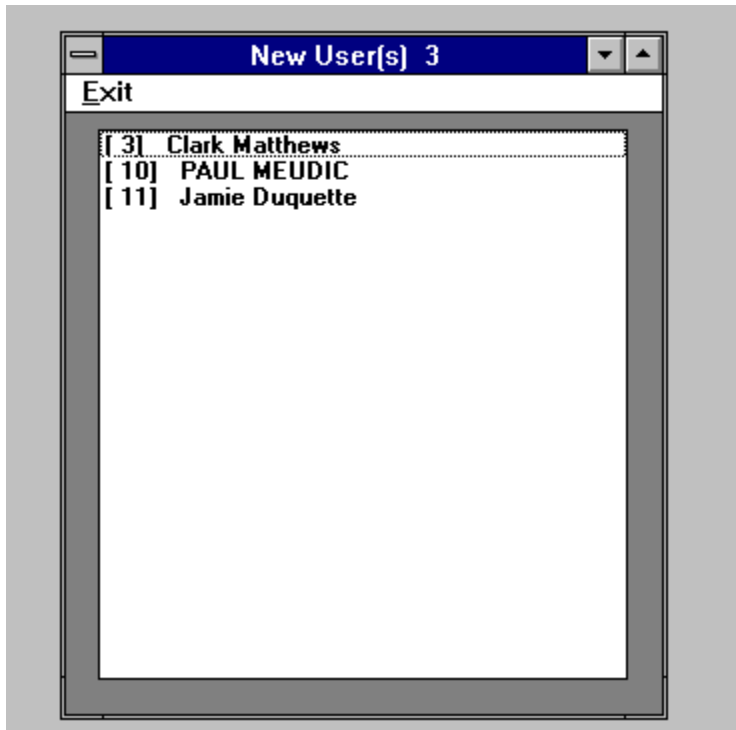
Clicking on the left side will active the search prompt allowing you to search for Alias or Realname.

# ***Dump to Printer.***



Will dump the screen to printer. You must have a printer hooked up for this function to work.

# ***New Users.***



This will bring up a List Box of all the current NEW USERS registering on your bulletin Board. You can then scroll through the list box and click on a user which will bring his\her record up for editing.

# ***Exit Configuration Program***



Will Terminate the configuration program.

# ***Modem Commands.***

Resets the Modem.



## ***Modem Commands.***

This command forces the modem to pick-up or hang-up the phone.

## ***Save to Disk.***



If you make any changes to a user it is recommended to click on the drive icon so the changes can take effect right away. If a user is on-line some of the new changes will not take effect till he\her logons on again.

# ***Modem Commands.***

Escape Code Guard Time.

In the modem, then escape code guard time is defined as the time delay between the last character of the escape code(+++) and the next data character transmitted by the host serial port.

## ***Garbage Can***



This command will delete or undelete a user. If you wish to delete a user then clicking on the Garbage can will toggle their settings. The user will not be deleted right away. The system will flag him\her for deletion until another new user logons on. The record will then be taken over by the new user.

# ***MNP***



MNP is a data communications protocol for full duplex, error-free communications over ordinary voice-grade telephone line. The protocol performs error detection and correction.

# ***Interrupt***

The 8086 provides for 256 vectored interrupts. A vectored interrupt is an interrupt that is directed to its interrupt service routine (ISR) indirectly through an address held in a special location.

# **About INFO-SERVE**

WinExpress Ver 1.6 (C)opyright 1991-1992 \*\* SHAREWARE \*\*  
Modem:(514) 336-3919 24Hrs/Day  
Mailing address:

Info-Serve Reg'd  
1295 Jules Poitras, Suite 308,  
St-Laurent, Quebec Canada H4N 1Y5

REGISTRATION: \$69.95 U.S. CERTIFIED OR MONEY ORDER.  
Includes support as well as any updates for 1 Year.  
Make Cheque Payable to:  
George Balla

We welcome any questions, comments and suggestions -- you can reach us at the number listed above, by Fax or Modem. Outside of the Montreal (514) calling area, we suggest that you do not contact us by telephone, you will most likely get an answering machine, and at this time we are unable to return long distance calls. Suggestions implemented into the BBS will be mentioned in future upgrade .DOC files along with the sender's name wherever possible. As a customer, we value your support, and pride ourselves on giving you the absolute best service we can. When you run into a problem or a question, we'll be there!

We would like to send a special Thanks to Brian Gay & Lorne Steiner for there many helpful suggestions and feedback.

INFO-SERVE REG'D is a small family venture, doing our best, as most, in these difficult economic times. Should you decide to register this program, We trust that you will support us by adhering to the ethics of the shareware concept.  
Thank you!  
GB

