

Ivory Tower Software

Documentation for freeware **Network Email™**, version 2.48
Updated November 15, 1992

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Network Email Installation

Copy EMAIL.EXE to a network drive to which all potential users have read and write access. I suggest that you create a directory called EMAIL and copy EMAIL.EXE there. For example, if your workstation sees a public drive as drive H:, the workstation's path for Email would be:

```
H:\EMAIL\EMAIL.EXE
```

Any user who wants to run Network Email should install the Email icon in his Windows program manager. He simply needs to do 'File,' 'New,' 'Program Item,' 'Browse' from the program manager menu, and browse the network drive for EMAIL.EXE, and the Email icon will be placed in the current program group. Email can then be run by simply double-clicking the Email icon. Email will create subdirectories for users automatically as each logs on for the first time.

You need one copy of VBRUN100.DLL installed in the Email directory, right beside EMAIL.EXE This is the best place for it, because it prevents users' local hard drives from being accessed every time Email polls for mail messages. Even if a user has another copy of VBRUN100.DLL on his hard drive, if VBRUN100.DLL file is also in the Email directory, Email will use the copy it finds there. For faster loading from a RAM drive, see Advanced Features, below. (VBRUN100.DLL is not included with EMAIL.ZIP, but can be downloaded as VBRUN.ZIP from CompuServe WINADV forum shareware library.)

There is no limit to the number of accounts Email can service, and an individual user can keep up to 1000 received messages. After that, to receive more new mail, a user will have to begin deleting his messages.

How Email Works

The first time a user runs Email, his name will not appear in the users' logon list. He should just click Cancel and he will be prompted for a user ID (8 characters maximum) and a user name (20 characters maximum). The user ID becomes the user's mail box directory name. For example, my user ID is RICK and my Email user name is Richard Wagner.

When Email runs, it first looks to see if there is a DOS environment variable called 'USR.' If it finds it, it logs the user on as that user ID (the environment variable value). Users should set the environment variable in their AUTOEXEC.BATs. For instance, my AUTOEXEC.BAT contains the line:

```
SET USR=RICK
```

(Note: do not set the "USR" environment variable until **after** you have run Email once to create your user ID.) I also included the line:

```
run=h:\email\email.exe
```

in the [windows] section of my WIN.INI file in my Windows directory. This causes Email to be run every time I run Windows, which is everytime I boot. Using the "load=" line works just as well, and prevents the Windows Program Manager from being iconized on startup. Some people like the auto-iconization, others don't. Windows 3.1 has a "startup" group in which you can put Email for automatic starting as well. If you specify a startup directory, make sure it is the parent directory of the users' mailbox directories.

Email sends messages by creating a .SND file (send file) in the recipient's subdirectory on the network drive. The recipient's Email session looks at its subdirectory every five seconds. If it sees any .SND file there, it renames it to a .MSG file so it won't see it again as a new file, and then alerts the user. Archiving a message causes it to be renamed to a .FIL extension. That's all there is to it. Deleting a message erases the message file, of course.

Attaching a file causes Email to copy the file to the recipient's subdirectory. If the 'Attached file notification' option is checked in the sender's Email session, the line 'File Attached: *filename*' is automatically appended to the sender's message. The same goes for distribution lists.

Security

Email can provide iron-clad security, depending on the features provided by your network operating system. Microsoft Lan Manager and Novell Netware (and all others tested) can provide total security for Email users. See the help topic "Security" for more information. Note to users of Unix servers: setting "execute" privileges for non-owners of

a directory will allow their processes to see files for which they do not have read privileges.

Important Features

Email supports monochrome monitors, 8514 monitors, and diskless workstations. If you need monochrome support, go to the Mailbox "View Options" menu. The check boxes will not be readable in monochrome. The bottom checkbox (which will be nearly invisible in monochrome) is the "Monochrome" option. Click once on the checkbox and it will become visible. Press the "Done" button, and then exit Email, and restart for full monochrome visibility.

Check the 8514 monitor option (if that's your video type) for better list box fonts the next time you run Email.

Diskless workstations will default to the root of the public drive from which Email starts for moving attached files received by the user (go View Attached Files). Workstations with local hard drives continue to default to the root of the C: drive as the attached-file-move target. If you have problems with the default drive on a floppy-drive-only workstation, see Advanced Features, below.

Advanced Features

Email can be loaded from a local drive for improved loading time on slow networks. This works best from a RAM drive. You can have your AUTOEXEC.BAT copy EMAIL.EXE and VBRUN100.DLL to the RAM drive on bootup. To tell Email where the network drive and directory with the Email user directories is, you set an environment variable. That variable is EMAH (Email home). For example,

```
SET EMAH=H:\EMAIL
```

If your workstation has no hard drive, but a floppy only, and if Email causes your floppy to be accessed spuriously, you can set another environment variable (EMAF, "Email force"). For instance, to force Email away from A: and back to the network drive, include the line:

```
SET EMAF=YES
```

in your AUTOEXEC.BAT. If you set EMAF, you must also set EMAH. Do not set EMAF if you are not experiencing drive A: access problems.

Some people want really slow polling intervals. Those users can set yet another environment variable:

```
SET EMAT=YES
```

This variable ("Email is a Tortoise") slows down Mailbox polling to once every minute, for those who want every microgram of CPU power available to the task at hand.

Email counts the messages sent. In the Email directory you will see a file named COUNT.TXT. Double clicking on this file usually opens it in Notepad, and allows you to see the total number of messages Email has sent from all users. To reset this number, just highlight it and replace it with zero. This feature allows you to see how many messages are sent in any period you wish to observe. A system administrator might use this information as supporting data to justify upgrading to the commercial version of Email.

Starting with version 2.17, Network Email supports command line parameters which will override their environment variable counterparts. These parameters are *userid*, *path*, and *drive*, each separated by a single space, and in that order. The following is an example of the command line syntax:

```
d:\email.exe rick \email h
```

This line tells Windows to run EMAIL.EXE from my RAM drive (drive d:), and the three parameters tell Email that my UserID is RICK, that the Email home directory is \email on network drive h:. The command line parameters are optional. If the third parameter is used, the first two must be present. If the second is used, the first must be present. Here is another example:

```
h:\email\email.exe rick
```

With this command line example, using the Program Manager "File, Run" menu option, I can sit down at any machine and connect to Email without having to change the machine's environment variable USR. The command line parameters may also be set in the Program Manager icon properties dialog box.

Network Bulletin Board

Network Bulletin Board™ is an add-in shareware program that works with Network Email. The program file, NBB.EXE, must be in your Email directory. To launch the bulletin board, use the "View" "Bulletin Board" menu options from the mailbox window. The NBB.EXE file is not included with freeware Network Email, but may be downloaded from CIS WinAdv forum (download NBB.ZIP). To see all Ivory Tower Software freeware and shareware products, search uploaded files on the keyword ITS.

New Features

Version highlights are listed below. Version numbers for the freeware and commercial versions are synchronized.

2.20 revised the Email file extensions for better attached file operations support.

2.34 has better font support for non-standard screen drivers by using True Type fonts as a default in some list boxes.

2.36 makes deleting messages a smoother operation, and the Mail Box window will not automatically minimize unless it is empty.

2.37 lets users attach a file to a message reply.

2.38 fixes some fonts which displayed in boldface with the 8514 monitor option.

2.40 fixes the subject text box boldface with the 8514 monitor option in the commercial version only. The freeware version was updated to synchronize the version numbers.

2.41 incorporates customizable application launching from the "View Attached Files" dialog window (commercial version only).

2.42 (11-Oct-92) fixes the message corruption which resulted if double quotes were entered in the "Subject" of the message. Now double quotes in the Subject are converted to single quotes.

2.43 (16-Oct-92) allows users to enter a comma in their user names (for last name first format) when establishing an account. Does not put the file selection back to the top of the list box when deleting or moving a file from the "Attached File Operations" dialog window. Eliminates the "File moved to ..." popup when moving an attached file if the "No confirm on send" option is enabled (commercial version only). Eliminates the "Message saved" popup when saving a sent message if the "No confirm on send" option is enabled (commercial version only).

2.44 (23-Oct-92) increases the width of user name list boxes so all 20 characters will show, adds order form printing (freeware version only), and pops the mailbox window back up when a send or reply is canceled.

2.48 (15-Nov-92) improves message printing.

Upgrading

Replace the executable file, EMAIL.EXE with the newer version. With version 2.20, all the Email file extensions changed. With earlier versions, there were problems with some file types not showing up in the "attached files" list. Now any file with an extension that doesn't start with "Y" will be listed. All Email file extensions now begin with "Y." Therefore, to see old messages and to keep Email preferences, each user should perform these **rename** commands for the following files in his Email directory:

```
rename *.ema *.yma
rename *.snd *.yms
```

```
rename *.msg *.ymm  
rename *.fil *.ymf
```

Email is Free!

This freeware version of Email is provided to the public domain as a public service by **Ivory Tower Software (ITS)**. Standard features include:

- Text messages**
- Popup mail notification**
- Send to distribution lists**
- Attach a document, program, picture (or any other) file to a message**
- Archive received messages for future reference**
- Support for Network Bulletin Board add-in program**

Keep this freeware version and run it for as long as you like. I wish to thank everyone who helped me find the bugs. Permission to upload or otherwise distribute this program is granted.

I hope you like Email and find it useful. If there are features you would like to see in future versions of this software, or if you find a bug or have any other comment, please contact me at the following address:

Ivory Tower Software
Richard Wagner
4319 W. 180th St.
Torrance, CA 90504

You may also send me a message via CompuServe (76427,2611). Please mention your Email version number.

Commercial Email

A commercial version of Network Email is now available which has all the features of freeware Email plus the following enhancements:

- Save the messages you send**
- Attach multiple files to a message**
- Create, save, and recall named distribution lists**
- Forward messages to another user**
- Optionally time-stamp messages**
- Open attached files**
- Support for DOS sessions**
- Complete compatibility with freeware Email**
- And much more**

Like freeware Email, the commercial version has no limitation on the number of users on the LAN. A license for the commercial version of Email costs \$120 (U.S.) and includes

one year of free upgrades. Bug fixes will always be free. After the first year, upgrades will be available for a small fee.

For a copy of the commercial version and license to use the software on a **single LAN**, send \$120 to Ivory Tower Software at the above address, and I will promptly send you a copy of the current commercial Email version. Each LAN you wish to use commercial Network Email on requires an additional license.

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