

# *PowerPGP 2.xx*

PGP Enabled Message Encryption Shell

## **Important!!!**

**Read this entire document before using to understand exactly what all the features do.**

## **First - The Legal Stuff:**

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PowerPGP 2.x is SHAREWARE - Cost \$20 US Funds Only, See below for reg. info.

## **System Requirements:**

**The DOS PGP program must be PROPERLY installed before PowerPGP Edit !!!**

Windows 3.1, Windows 95, or Windows NT depending on which version of PowerPGP you use.

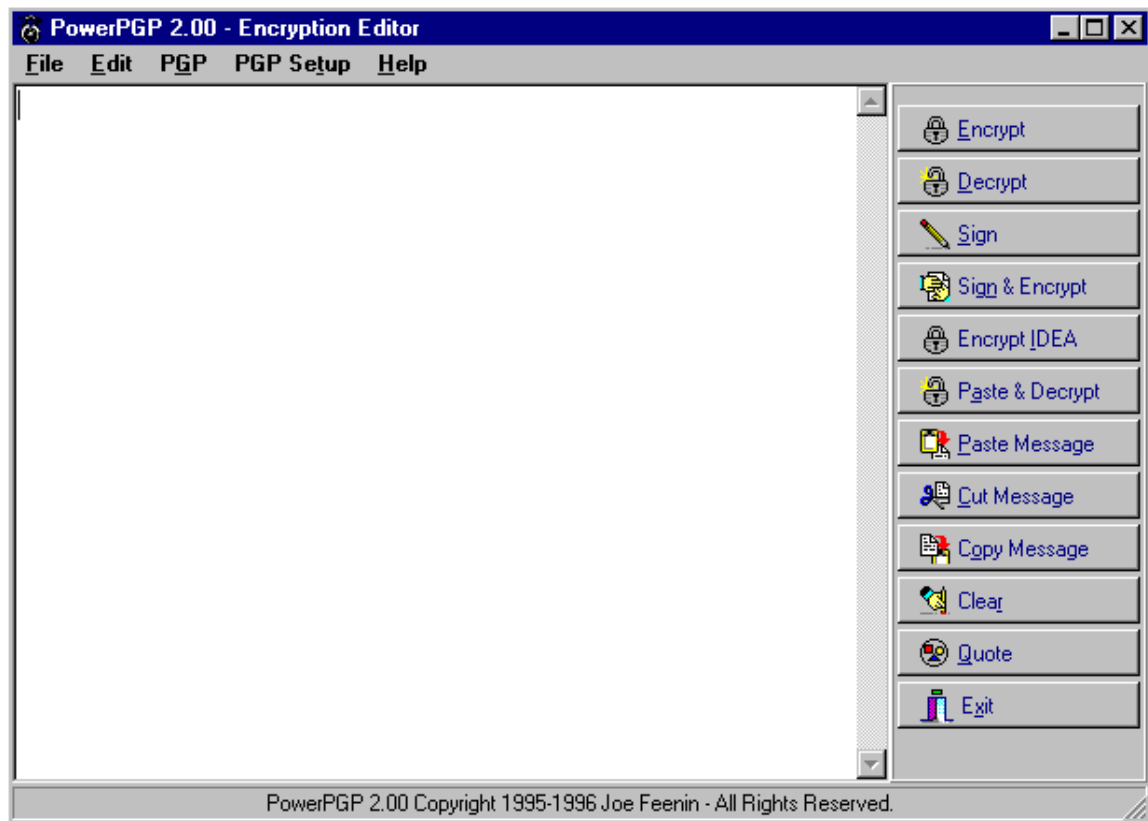
486 or better CPU

8 MB RAM Recommended Minimum

2MB Disk Space

## The Editor Interface:

Please note these screen shots were taken during program development, actually release product will differ slightly.

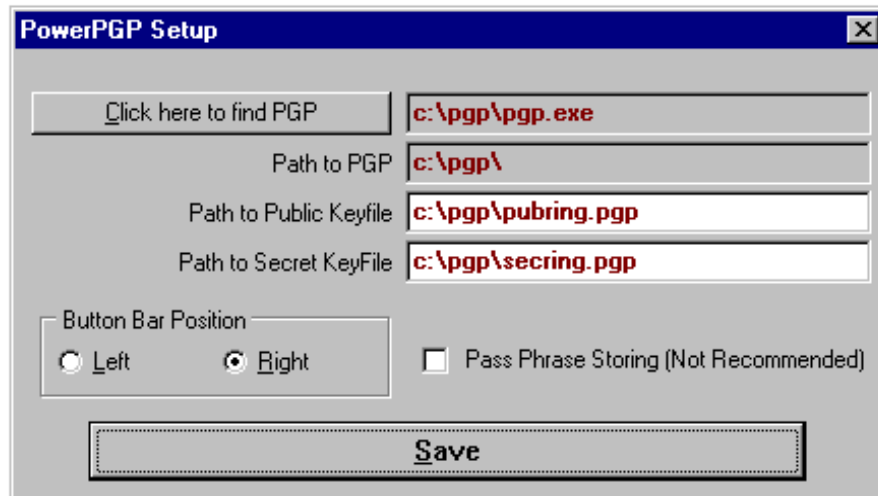


Above is a screen shot of the main editor interface. It has been redesigned to be faster and more versatile than the previous interface. A summary of the main control buttons is as follows:

- **Encrypt** - Encrypts the contents of the editor window using PGP public key encryption. You will be asked to select up to 3 keys from your public keyring to be used for the encryption.
- **Decrypt** - Will decrypt the contents of the window whether it has been encrypted with the public key method or with conventional encryption. This button is also used to check signatures on messages. When checking signatures it is useful to see the output of PGP when it checks the signature. Normally PowerPGP does not pause the PGP session to show you this output however. If you want to have the output pause so you can see the response from PGP hold down the SHIFT key when you click on the DECRYPT button. If the SHIFT is depressed when this button is pressed the output of PGP will pause for you to press a key before closing.
- **Sign** - Signs the contents of the editor window with the PGP CLEARSIG option. This leaves the contents readable but allows the contents to be checked for tampering.
- **Sign & Encrypt** - Signs and Encrypts the contents of the editor window.
- **Encrypt IDEA** - Encrypts the contents of the message editor window using PGP conventional encryption. When using this option PGP itself will prompt you for a pass-phrase to encrypt the message with. Anyone with that pass-phrase can decrypt it after that. This is unlike public key encryption where only the people whose public key's you have used can decrypt the data.
- **Paste & Decrypt** - This will paste the clipboard contents into the editor window and automatically start the decrypt function. To pause the output of the decryption function hold down the SHIFT key

- when you click on the button just as you would for the DECRYPT button.
- **Paste Message** - Pastes a message from the clipboard into the editor window.
- **Cut Message** - Cuts the contents of the editor window to the clipboard.
- **Copy Message** - Copies the contents of the editor window to the clipboard.
- **Clear** - Erases the contents of the editor window.
- **Quote** - Wraps the contents of the editor window with Reply markers. Useful when replying to a message you just decrypted.
- **Exit** - Exits the program.

## Getting Started:



Above is the PGP Setup dialog. This appears when you press the “PGP Setup” selection on the menu bar. This allows you to select the location of PGP.EXE as well as customized paths to your public and secret keyrings if necessary.

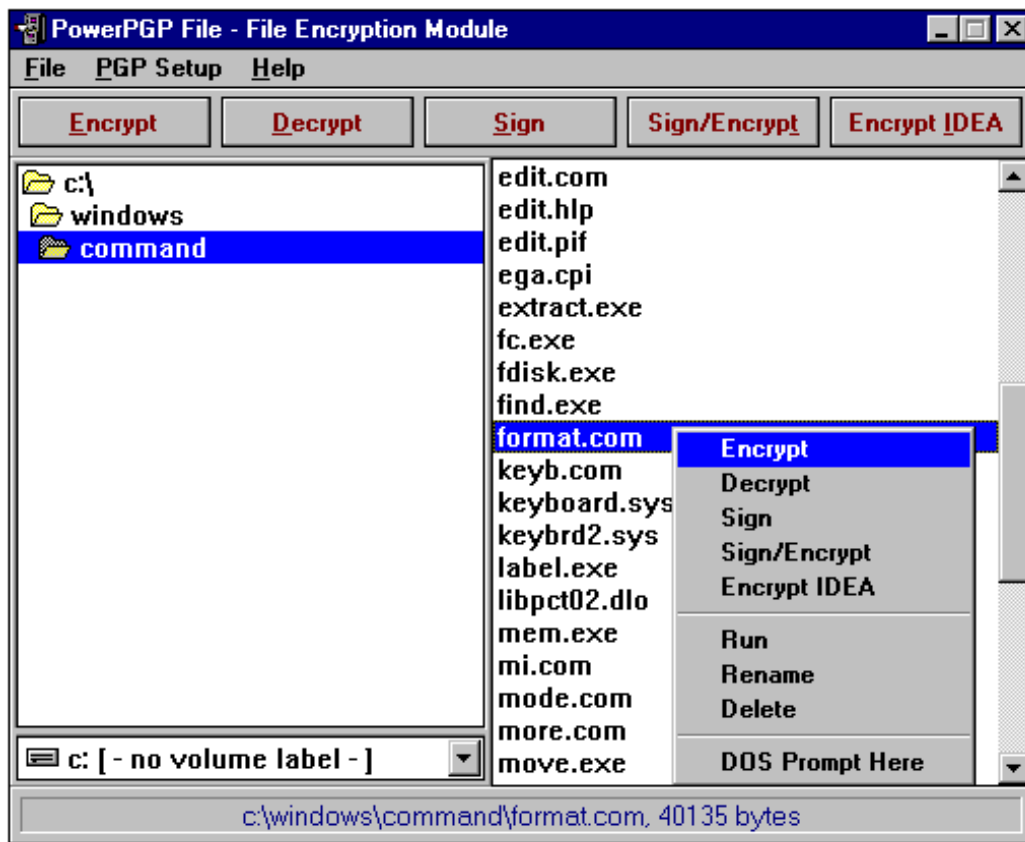
The two other selections are to customize how PowerPGP itself functions. The Button Bar position setting allows you to dock the button bar on either the left or the right side of the screen. The Pass Phrase Storing option will ask you your pass phrase once each session and store your pass phrase internally while PowerPGP is running. This option is NOT RECOMMENDED! While your pass phrase is in memory it is possible for other programs to scan memory and get it. Even later your swap file can be scanned for remnants of this variable. Also it will be temporarily written to a batch file when PowerPGP runs PGP and then erased. It may be possible however for that file to be undeleted. This option was added at the request of users for ease of use but that ease of use has a trade-off in security. Use this option at your own risk.

## Using PowerPGP’s Editor:

PowerPGP has been designed from day one to be easy to use. To write a message (or text document) and then encrypt it with PowerPGP you simply type your message into the editor window and select the “Encrypt” button. You will be asked what Public Keys you want to use to encrypt the message and once you select them PowerPGP will Save the message to a temp file, call PowerPGP to encrypt/wipe it and load the output back into the editor window. You can then save it to a file or cut/copy it to the clipboard for pasting into your favorite mail program. When you use IDEA (conventional) encryption the process is similar except you don’t select a public key. Instead PGP will prompt you for a pass phrase to encrypt the message with. Decrypting works very similar. You either paste your message/document in

from the clipboard or open it from a file. You then press the “Decrypt” button. If you have selected the Pass Phrase Storing option. PowerPGP will prompt you for your pass phrase and pass it to PGP automatically. Otherwise PGP will ask you for your pass phrase. Either way the decrypted output is loaded back into the editor window. If decryption fails obviously nothing will get loaded back. If you want to see why PGP failed decrypting a message you can pause the output of the decrypt option by holding down the SHIFT button when you press the decrypt option. Signing and Signing/Encrypting work the same way. The Editor Window also has right mouse button functionality. By Right-Clicking in the window you can bring up a pop-up menu with of the options from the menu bar and button bar. These options in the pop-up menu function exactly as their counterparts.

### **The File Encrypt/Decrypt Interface:**

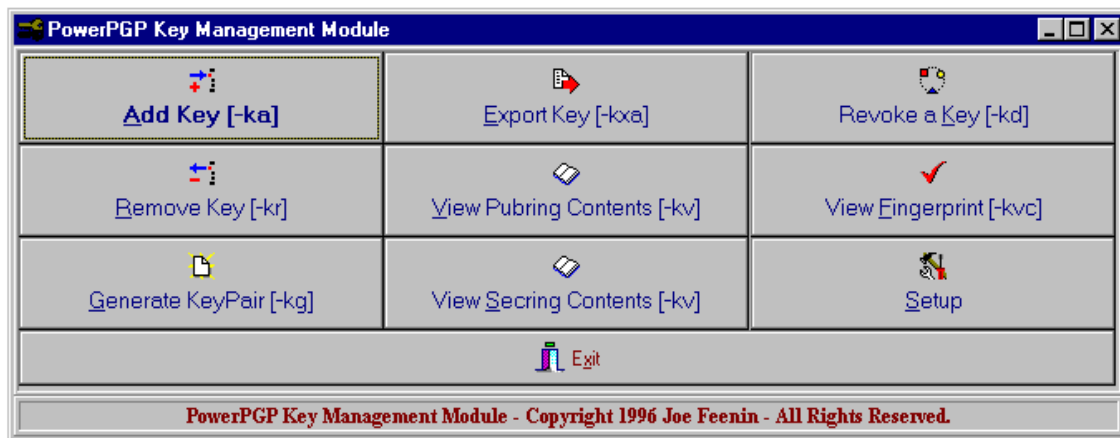


This is the new File Encryption/Decryption interface for PowerPGP. It is a stand alone program and therefore is not loaded into memory unless you call for it. This new interface (screen shot showing pop-up menu) was designed to make encrypting and decrypting files as simple as absolutely possible.

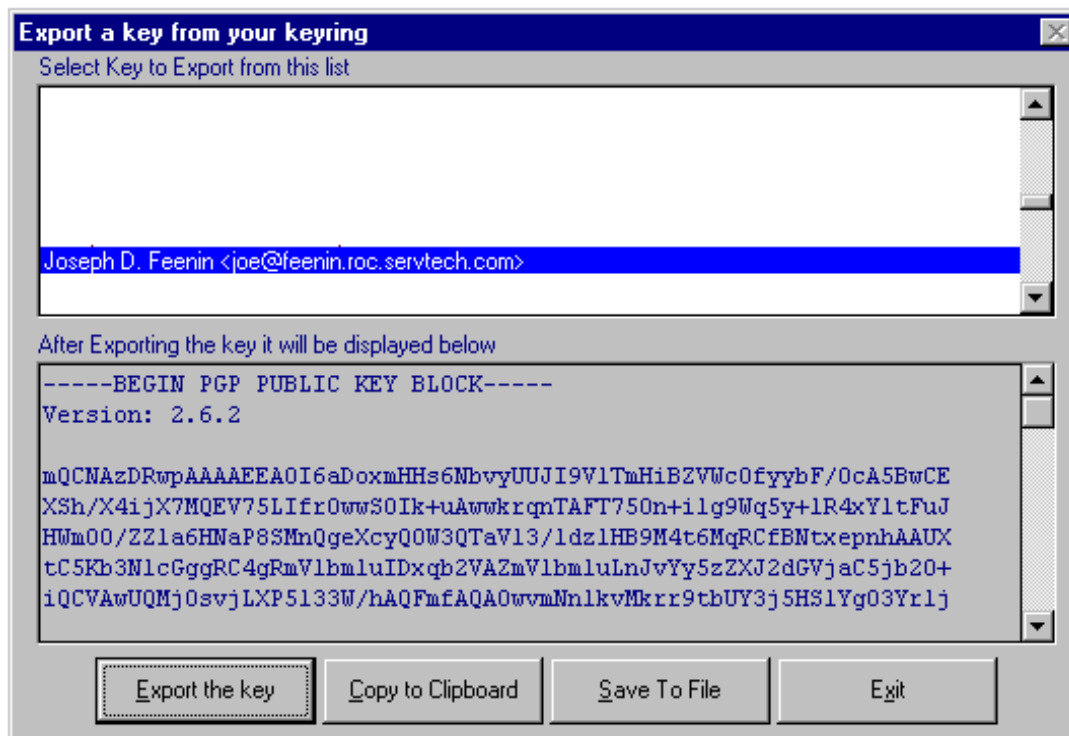
## Using the File Encrypt/Decrypt Module:

The interface functions much like any open file dialog box of file manager. You simply navigate your systems directory tree until you get to the file you want to operate on. Once you find it you can select the file and encrypt, decrypt, or sign the file as you wish. These functions work exactly like they do in the Editor interface. There are also a few more options as you can see in the pop-up menu. One is the DOS Prompt Here option. This option will open a DOS prompt session in the current directory. You can also run or delete files. Note that the file module does not call PGP with the wipe option. I have found it is just as easy to undelete a file that has been “wiped” with the -w option as any other deleted file. That being the case I have decided to leave the file and you can then delete it if you want or keep it otherwise. Since the file is not already deleted you can also use a number of 3<sup>rd</sup> party wipe utilities. There are many Shareware, Freeware, and Commercial apps available for this.

## They Key Management Interface:



This is the key management interface. It like all of the rest of PowerPGP was redone completely and more features were added. The key goal to the redesign especially of the file and key portions of the program were to aid in usability and functionality. By taking a modular approach the modules can be run separately without running the editor and vice-versa. This reduces the memory foot print of the program as well. All of the key management options now allow you to select names from the available list to perform the operation, you don't have to remember a name or email address. Where applicable when you need to input information for key management you have a choice of getting it from the clipboard or from a file. For instances such as exporting a key you also have the option of saving it to a file or copying it to the clipboard. Each individual function will not be explained here because all of that information is covered in the PGP documentation and you should have read that by now. :^) Below is an example of the key export screen exporting my public key, all other keys have been erased from this screen shot to protect peoples privacy:



As you can see the current style of interface is much easier to use than previous versions of PowerPGP.

## **Registration:**

PowerPGP was a program I originally wrote for myself and was very simple in it's 1.0 version. Therefore I had no problem with giving it away when I was asked. I had no idea how much work it would rapidly turn into to maintain the program and upgrade it. It is my personal favorite out of all of the programs I have written. None-the-less the laws that govern our economy apply to me as well. I was forced to make the decision to either stop work on PowerPGP in favor of paying tasks or to ask a small fee for it. I have obviously decided to give it a chance at shareware. I am not limiting the program in any way in it's shareware form. There are no Reg. Codes, no user ID's you are on the honor system to register it. If you like the program and want to see it upgraded and adapted to new versions of PGP and further improvements made this is how you can show your support. Compliments are great but just like you I have a family to feed and development software cost a lot of money. Registration is \$20/single use license US and can be made by Check, Money Order, or Cash. All checks and money orders should be drawn on US banks and made Payable to Joe Feenin. Send registrations to:

Joe Feenin  
236 Flower City Park  
Rochester, New York 14615 (United States)

Special volume discounts are available for companies and organizations who want to purchase multiple licenses. Also for large purchases the program can be customized with the company name and/or logo as well as slightly tailoring certain options if desired. For information on this and any other technical support required you can contact me by email at:

**joe@servtech.com**

**Thank you for your interest in PowerPGP!**