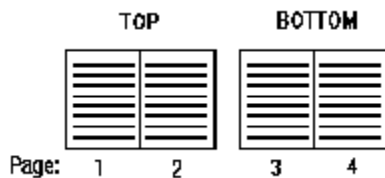


Cram 1.0

Real Time Software

Introduction:

Cram allows the user to print up to four text pages per sheet of paper using MS-Windows True Type fonts and the Print Manager print spooler. You can print on front and back using a duplexing/non-duplexing Laser printer or on a DeskJet (this utility supports the **HP LaserJet 4** series printers). As well as being able to choose the font to print with, you can print more than 66 lines of text per page (depending on the point size chosen).



This is a full functioning application (but it does require VBRUN300.DLL to run). Nothing has been disabled to persuade you to register. The registered version does remove the About banner and the "days unregistered" panel (wait 30 days and you will see what I mean). You will also be given the most recent copy of the program on your favorite media. See below for registration information.

Quick Start:

To get going immediately, start Cram from File Manager or use Run from Program Manager. Open the Options dialog by clicking on the Options button and configuring the program to work with your particular printer. If you have a DeskJet, you must enable DeskJet printing option to get the front and back of each page to print properly. The same is true when printing to a HP laserJet 4L (and other printers that pull the paper from the front of the paper bin, not the back). Make sure all of the other options are disabled for your first print job to get a feel for how the program works. Click on the Save button. Now Open your text file. The text file will automatically be opened and processed and the statistics will be displayed. **To print the job click on Print (or Drag and Drop a text file from File Manager onto the CRAM icon). When the first half is done you will be prompted to print the next side. Wait until the printer has finished printing the first half. Take out the stack and place it back into the paper tray the exact same way it came out (if you have a LaserJet 4, 4L, 4P or similar printer, you MUST turn the stack over, short edge over short edge). Do not turn the stack around or over (see previous note). When the stack is in the tray properly, click on the OK button to continue the next side.** When the printer is done you will have your document printed with the 1st page on top and the 2nd page on the back side of the same piece of paper.

Getting Started:

Install Cram into any sub-directory and Program Manager group or into its own. When you start Cram you are given four

options; Open, Options, Close, and About. Open loads the text file you choose and displays an information windows giving statistics about the pending print job. These statistics are dependent on the settings in the Options dialog. Here you may either Print the text file or Cancel the job and change the option settings or exit the program. The Options dialog lets you choose how you want the text file to be processed and printed. Each of these options is explained below:

Best Fit:

When this is enabled, the margins are reduced as much as possible to allow as much text to fit on a side of paper as possible. Usually when the point size is 7 or less, you can get 70 or more lines and about 85 columns per page. With large print jobs you can save significant amounts of paper. Please note that some text files are formatted to print with 66 lines per page. If you print with more lines, their page numbering may be offset somewhat.

DeskJet:

If you have a HP DeskJet or other similar printer (on which the output page is face up, not face down) this option must be enabled to print front and back.

LaserJet 4 L/P:

If you have a LaserJet 4, 4L or 4P, you must enable this option box. When printing, you must turn the stack over short edge to short edge. The reason is that when the printer prints, it pulls paper from the paper bin from the front, not the back, like other laser printers. If you took a blank piece of paper and placed a big X on one side and put it back into the paper bin, after printing, the X will be on the same side as it was when put in the bin. On other laser jets, the X would end up on the opposite side (top or bottom). Thus you have to manually turn the pages over so you won't print on the same side twice.

Fixed pitch fonts only:

This option tells the Font dialog box only to display the fixed width and height fonts that are available for your printer. Use this function if the text file you are printing contains ASCII diagrams and pictures. If you don't use a fixed font in this case the diagram characters will not line up properly.

Remove duplicate blank lines:

With this enabled, multiple blank lines will be removed leaving one blank line. Again you must be careful with text files already formatted to be printed "as is" to a printer like documentation for games and utilities.

One side or duplex (Print one side):

This option depends on the DeskJet option. With the DeskJet option enabled, meaning you are using a DeskJet or similar printer, you do not have the duplexing (printing on both sides on one page during the same print job) capabilities that some high end laser printers have. This option allows you to print the whole job on just one side of paper. If you do have a laser printer but do not have duplexing you can also only print on one side if needed. If your printer does support duplexing, you must enable it in your printer driver by using the Printer Setup dialog or through Control Panel. If you enable duplexing in the printer driver it will be enabled in Cram when you exit the Printer Setup Dialog. If you disable the duplex option in the printer driver and it is enabled in Cram, it will remain enabled in Cram to allow you to print on one side if desired.

Front only & Back only:

These options allow you to print just one side of a two sided job. In other words, with Front only enabled Cram prints only pages 1,3,5, etc., just the pages that would be on top. The Back only does just the opposite. It prints pages 2,4,6, etc. or the pages that would make up the back.

Font Select:

This dialog allows you to select any available printer font and nearly any point size. Keep in mind that this program was designed to conserve paper and ink or toner by printing as many text pages on each piece of paper as possible. Choosing a large point size could cause problems or render the output unreadable.

Printer Setup:

Here you can change the default printer used by Cram and its specific options to optimize printer output.

The Close button exits the program. The next time Cram starts it will reload the options saved in the Options dialog. The About button displays the warranty information also printed below as well as registration information.

Warranty and Registration:

This program [**Cram**] is being made available on an "as is" basis, and carries no warranties, express or implied. The author shall in no way be held liable for any damages resulting from the use of this program or the media on which it is distributed, including, without limitation, loss of business profits, interruption of business, loss of information, damage to equipment, or any other incidental or consequential damages.

This program is **NOT registered for Commercial or Government** use beyond a 30 day trial period. After 30 days this program should be registered for \$20 a user or \$75 for a site license. Individuals may feel free to send whatever they feel the program is worth. Please remember that I am doing this for a living, so if you can afford to pay, please pay. Any suggestions or bugs brought to my attention (ones that I have not been made aware of before) will be rewarded with a registered single user version, and you will be put on my mailing list. I may be contacted at:

WENSEL@DELPHI.COM

Chris Wensel
Real Time Consulting
P.O. Box 2726
College Station, TX 77801
(409) 268-8285