

## **PORTLAND -- Direct Printer Orientation Control for Microsoft Windows**

Portland is a package of two programs -- portrait.exe and landscap.exe -- which provide direct printer orientation control for Microsoft Windows. Running either program sets the current default printer's orientation to portrait or landscape, respectively. The programs open no windows, and terminate after doing the work. If you have Flipper running, the effects of the orientation change will be visible in the Flipper icon. The programs are useful from Windows batch files (e.g., using the new Norton Desktop) and from macros in many Windows applications (e.g., Excel, WinWord).

Some printer drivers don't respond properly under Windows 3.0 to the software interface for determining and changing the paper orientation. For those drivers (most notably including Epson), Portland will be unable to do its job. Many drivers are being upgraded for a future version of Windows, correcting this problem in the process. You will not require a new version of Portland to run with those drivers.

The dolphin icons stored in the program files (so they'll show up right with Program Manager) are the work of Michael Lessa.

I wrote Portland as a variant of the Flipper program in response to a user's request. The program is Copyright 1990, 1991 by Barry Press. This version has never been released by me into the public domain. No warranties are expressed or implied, including merchantability or suitability for a particular purpose. No responsibility will be assumed by the author for any loss or damage due to its use.

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