

Documentation Version 2.0
IMPORTANT INSTALLATION
CHANGES FROM VERSION 1.0,1.1

Personal LaserWriter LS GRAYSCALE Hack:

What is This Thing?

This little update patch turns the Grayscale LaserWriter 300 Driver into a personalized Grayscale Personal LaserWriter LS Driver. **(See below for info on how to get the Grayscale driver and what it is.)**

What do I need?

You must have the following for this to be any use to you:

- A Personal LaserWriter LS
- Running System 6.07, 6.08, 7.0, 7.01, 7.1 or 7Pro (System 6 requires the Laser Prep)
- The new Grayscale LaserWriter Driver from Apple (LaserWriter 300 version 1.2)
- Classic II, SE 30, LC Series, II Series, Centris Series, Quadra Series, All Powerbooks except 100.

Tell me a bit of history please!

Apple finally got its act together, due to celestial intervention, and created a printer driver that allowed the StyleWriter,

StyleWriter II and the LaserWriter Select 300 to print in shades of gray or grayscale. In the past only those printers possessing Postscript™ technology were able to print in grayscale. Though products were on the market in the months before Apple released its upgrade none of them were actual changes to the printer driver. You had to mess with conversion programs and applications that made it a pain to print grayscale. Apple pulled through (six months late I might add) and gave us little QuickDraw™ LaserWriter users a chance to print like the big boys. This means that anyone with a LaserWriter 300 (select 310 and 320) or the Personal LaserWriter LS can print 30 shades of gray from any program that supports colors or grayscale. To the high power printers this is beans, but to go from black and white to gray, it's light night and day.

In the process of releasing this driver upgrade, Apple decided to let the LaserWriter Select's printer driver also serve as an upgrade for the Personal LaserWriter LS. Which, if you are reading this still, includes me and you. The only problem is that as far as the driver and the computer are concerned your Personal LaserWriter LS is a LaserWriter 300. In the process of doing your work, if you run out of paper, a dialog appears and lets you know that the "LaserWriter 300" is out of paper. Well, I don't know about you, but I don't own any "LaserWriter 300," I own a LaserWriter LS. After an hour or so of the computer claiming that my printer was really a "LaserWriter 300," I got tired of the whole mess. Thus, I decided to waste my valuable time and create this little upgrade. It changes all of the "LaserWriter 300" designations and the Icons so that they will be personalized to the your

machine. The next time you will print the dialog box in you applications will read “LaserWriter LS,” not “LaserWriter 300”.

Why the hack should I care and is this really necessary?

You should and is isn't. If you have ever seen and LaserWriter Select 300 personally, you will understand why a lot of compute stores are embarrassed to carry them. If you ask a salesperson how they are moving they will most likely thrust garlic in your face and sing chants hoping you will go away. These machines are made of flimsy plastic, weigh very little, are noisy, cheap in quality and I think they are pretty lousy. But, if that is all you need I guess it's okay! On the other hand the Personal LaserWriter LS is a pioneer in its time. It is from the first generation of Non-Postscript LaserWriters and in its day cost a pretty penny, but considerably less than a Psotscript one. I got mine in June of 1991 and it cost me \$1200. Of course as prices go now, if you can find one they are much cheaper. They are made of study plastic, have the same Cannon engine as the big II's have and they are not as noisy. That is my gripe in logical terms. To break it down to the simple explanation of differences. Mine is better and the other one sucks!!! Nah, nah-nah -nah!!

So you see this upgrade is important if you take pride in your Personal LaserWriter LS. It may not be necessary, but do you want your computer to always think of your printer as something it isn't? It's like trying to put Ford Taurus decals on a vintage Ford sedan of the 50's. It may say its a 93 Taurus, but you know its still a vintage car. See how silly your machine will look if you don't use this update? It's up to you!

I own an LaserWrtier LS and I want to upgrade my driver,

but I don't have the upgrade you specified. Where do I get it from?

Excellent question! I'm glad you have been paying attention. Up until recently, you could get the upgrade direct from the Apple Catalog, but alas the catalog died a horrible death. Apple, however, still sells the deal through their sales number. With this upgrade you get the 39 basic fonts that come with PostScript™ LaserWriters and the new driver for the low price of \$49. plus shipping. If you have an AppleLink™ connection, you can get just the driver for nothing. If not see your Apple reseller and just maybe they will download it for you. It is located in the Software sampler folder. I am not sure if this is a demo version, a trial version or the full thing without the fonts!?! Nevertheless it is a great investment. If you don't want the purchase the fancy version and don't have access to AppleLink™, send me a note and I will do my best to help you get a copy of the driver and necessary resources. I can't just upload it to AOL or any other service, because I don't think Apple would be too terribly happy, but like I said, if you want it can't get it give me a buzz and I'll help.

Okay, okay I'll do the dang upgrade as long as it is easy!

Fair enough!

It is very simple to install this upgrade.

First install the original LaserWriter 300 Driver then...

VERY IMPORTANT!!!!
PATCH AN ORIGINAL COPY OF THE "LASERWRITER 300".

IN OTHER WORDS ONE THAT HAS NOT BE INSTALLED INTO THE SYSTEM FOLDER.

Once the driver is installed into the System Folder its resources are modified by the System Software and the Patch kit will no longer recognize the driver. Thus patch it first and then install it. Otherwise you will get an error message which cannot be helped.

System 7:

- Double click on the application you downloaded with this file and select the LaserWriter 300 driver.
- Copy the Chooser that came with this document to the System Folder.
- Drag your patched driver to the “System Folder”.
- Restart your computer.

That simple folks!

These instructions are intended to be used with a Macintosh running System 7. If you have System 6, let me know and I'll port you the necessary resources in order to install this upgrade. If you already have them great.

System 6:

Additional Resources- 32-Bit QuickDraw, Personal LW LS Prep, Chooser (6.0.8)

Instructions- 1. Patch the “LaserWriter 300” 2. use the “Font/DA Mover” 3.8 or later to copy the chooser to the system 3. put the new patched driver, “Personal LW LS Prep” and “32-Bit QuickDraw” into the “System Folder”.

YOU MUST HAVE THE GRAYSCALE UPGRADE BEFORE PATCHING YOUR COPY WITH THIS HACK!!!!!!

In order for this update to work you must have the “LaserWriter 300” Grayscale upgrade installed. This must be version 1.2!!!

Okay I'm sold!!! Thanks for the patch!

So you see folks while this patch is not necessary to you or me, it is necessary for our printers. Would you want it to have an identity crisis?!

NOTE: Those of you who have obtained the driver from another source than actually purchasing it, and want to share their LS on a network, drop me a line and I'll tell you how to do it.

Technical Stuff:

This update replaces several of the resources. Some of the resources, but not all of the STR, STR# pickers, have been changed. The finder icons have changed, ICON, icl4, icl8, ics4, ics8, ics# and consequently the BNDL resources. Some of the dialogs and in conjunctions the DITL's have been changed. Lastly the version string was updated to reflect these changes. basically I took the original solid programming and changed the identifying resources to match my printer type.

Legal Stuff:

This patch is not in any way endorsed by Apple™. I have done this of my own free will and for my own use. I released it because it seemed like a good idea at 3a.m. I give no expressed or implied warranty on this product. While my hacking is impeccable and should cause no more problems than the original, you use this at your own risk. I will take no responsibility for damaged things. This patch was created on a Quadra and was only tested on said machine. I ran the driver through many hoops and I encountered no problems in the process. There is no technical support for this patch except in the E-mail circuit. You may contact me at my E-mail address if you have questions. This patch was created with ResEdit and UpdateMaker. You may not bundle it with any other product nor sell it. Since the original programming is copyright of Apple, I make no claim to the work in this patch. All original work is copyright Apple. This patch is distributed under the guise of freeware. If you like it, have comments, lavish praise or want to beat me senseless for screwing up, send me a line!

Version History:

1.0- Initial Release

1.1- Not released to the public (too many errors)

Fixed an error that some users were having with the updater.

Updated documentation.

Included a compatible Chooser with Patcher.

2.0-Current Version

Fixed An identity crisis where the patched driver was confused as to whether it was a LaserWriter 300 or a LS.

Made new Icons.

Revamped the Bundle and created a custom creator.

Updated documentation.

Thanks:

I want to thank all of you for your enthusiasm about this patch and the Apple Grayshare Grayscale technology. I appreciate all of the bug reports, because they went a long way to help me discover answers. In a way all of you were my beta testers. Thanks! Version 2.0 should take care of any kinks you might run into, but if anyone has any bug reports, don't hesitate to buzz me. I was unprepared for the flood of comments and the positive response from this project. I am pleased that my humble work is appreciated.

If you have any questions or comments drop me a line!

Adam Wunn

Mar 1994

Internet E-mail until 9/94: Homeboy@AOL.com

After 9/94 AWunn@nclack.edu

For AOL users: Homeboy

Apple, Quadra and the mention of LaserWriter LS and LaserWriter Select 300 trademarks of Apple Computer Inc. PostScript is a trademark of the Adobe Corporation.