Hardware

Random notes about hardware.

- Windows 10 drivers for AMD 740G chipset (AMD Radeon 2100, both 32- and 64bit)
- Brother QL-600 Label Printer

Windows 10 drivers for AMD 740G chipset (AMD Radeon 2100, both 32- and 64bit)

NOTE: Despite the publish date, this note is originally from December 2017.

If you've tried to install **Windows 10** on an older setup that runs on **AMD 740G** chipset (which integrates **ATI Radeon 2100** graphic chip), you might have run into the issue where Windows 10 fails to locate proper drivers for the integrated GPU and it uses generic graphics adapter driver instead, which is only able to run 1024x768.

I have found deep in comments on some IT news site someone mentioning they got it running through Windows 7 drivers for an MSI motherboard with the same chipset (I myself tried a lot of different drivers for Windows 7 from Gigabyte, neither of them worked and one of them even bricked my whole setup). Anyway I tested bunch of MSI drivers and found working ones.

This was tested and works on: **Gigabyte GA-MA74GM-S2**, rev. 3.0 (hardware ID is `PCI\VEN_1002\DEV_796E\SUBSYS_D0001458\REV_00`). Frankly, I don't remember the exact source for these drivers, but they are from the MSI website, downloaded as Windows 7 chipset drivers for a random MSI motherboard with 740G, so you can try to re-find them if you don't trust this unknown blog with bunch of articles written in weird language running on basic WordPress.

Though it does look more trustworthy than `www.download-every-single-driver-in-the-world.com`, doesn't it? No, seriously, I will try to eventually cite the proper source. **Edit:** Someone found it and posted the links in the comments, feel free to download directly from MSI. If this have helped you, please note in the comments which motherboard have you used with these drivers so others can find this easily as well:

Where to download the drivers:

- From msi.com (follow Driver -> Win7 x64 → System & Chipset Drivers → ATI System Drivers for RS690/RS740)
- Or you can use direct link: `http://download.msi.com/archive/mb/dvr_exe/amd_690_740_7_mb.zip`
- My local mirror: `radeon-2100-windows-10-drivers.zip` yet to be uploaded (never trust drivers randomly from the internet, though!)

How to install this driver?

1. Pres `WinKey + R`, type in `devmgmt.msc` and Enter (or simply access the *Device Manager* any way you like)
2. Expand the option `Display adapters`
3. Right-click on the graphics adapter and select `Update Driver Software...`
4. Select the option `Browse my computer for driver software`
5. Point the path into the folder you just unzipped from the drivers you had just downloaded.
6. Keep clicking `Next` until the end, and then restart the computer

Known issues

I have ran into an issue when the computer has two separate LCDs plugged in (into the VGA and DVI port). On those computers, some (not all) of the graphic elements in Windows 10 are blurred (as if the displayed pixels don't match the physical pixels). It only happens with desktop icons and some of the settings. I have spent another afternoon on this after finally I gave up. Tried everything and nothing works. However even if you really need to run two displays, it's just a little annoying but totally can be lived with. All the other computers that have only one screen attached run perfectly. If anyone manages to find out what might cause this and how to fix it, please let me know in the comments!

Brother QL-600 Label Printer

Brother QL-600 as a native system printer in macOS

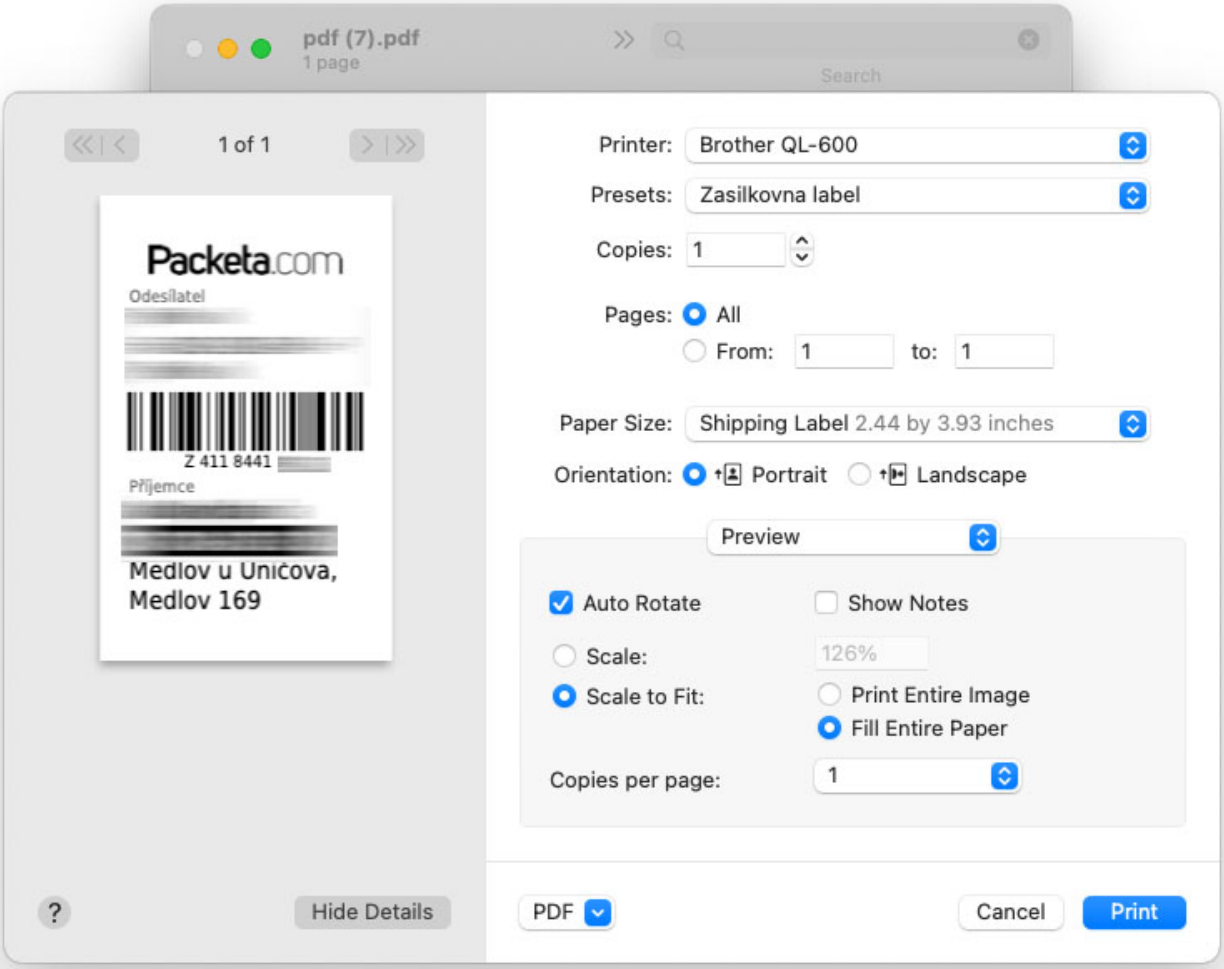
Brother only offers to use their software to print labels via their P-Touch Editor (macOS App Store) without having to install the Brother as a system printer in System Preferences, which is fine for random regular labels.

But sometimes you have the .pdf file with a shipping label that you want to print directly from Preview (CMD+P).

I have found this driver to work, albeit I have no clue where it they from, since I could not find it on Brother's website.

Link to drivers: `https://oemdrivers.com/printer-brother-ql-600` (my mirror: Brother_Printer_Drivers.zip)

The hoops some jump through to print a simple shipping label are downright ridiculous and 100% not necessary:


pdf (7).pdf
1 page
Search
1 of 1
Packeta.com
Odesílatel
Z 411 8441
Příjemce
Medlov u Uničova,
Medlov 169
Printer: Brother QL-600
Presets: Zasilkovna label
Copies: 1
Pages: All
From: 1 to: 1
Paper Size: Shipping Label 2.44 by 3.93 inches
Orientation: Portrait Landscape
Preview
Auto Rotate
Show Notes
Scale:
126%
Scale to Fit:
Print Entire Image
Fill Entire Paper
Copies per page: 1
Hide Details
PDF
Cancel
Print