

Overriding the Canon Warning for Refilled PG30/40/50, CL31/41/51 CL52 cartridges

Canon disables the ink level monitoring circuit within the electronics on the cartridge once the ink level monitors reaches empty. By making this feature disabled they hope to persuade you to purchase a new cartridge each time you have used the existing ink up.

So after you have refilled your cartridge you will get a software warning that you are printing with an empty cartridge. Canon very discreetly provides instructions on how to disable the ink warning and continue to use refilled cartridges. It can generally be found within their manuals either in print or in the software manual if you know where and what to look for.

To locate the instructions one needs to find the section where they instruct you how to **Change an empty cartridge**. Typically this can be found under **Routine Maintenance**. Within that section they will instruct you how to **Continue printing with an empty cartridge**. After the cartridge is refilled it is considered empty by the machine since the ink level indicator cannot be reset. The machine will be fully functional as with a new cartridge except that the ink level monitor will not work.

Why do they allow you to print with an empty cartridge? Can you imagine a situation where you were printing for example a coupon or receipt and the cartridge ran out in the middle of that print job? Or what about a tax return?.....Thus the requirement to allow to finish up a printing job even when the electronic counters have indicated empty.

For printers, usually pushing the resume button for 5 seconds is all that is required. For multifunction machines which have many buttons, usually it is the <black> or <color> button. Since there are a large number of different models, you will need to refer to the manual as described previously.

Now that the ink level monitor is disabled it, it is up to the user to make sure the cartridge never runs out of ink while it is being used. Using the cartridge while it has run out of ink will permanently damage the print head and refilling will not fix this. You will need to purchase a new cartridge. Thus after refilling it is best to periodically refill the cartridge as per the instructions and especially before a large printing job.

For high refill success rates always refill before the cartridge runs out of ink or shows bad quality prints. So topping up the cartridge will extend the cartridge life and allow continued high quality printouts.

NEWS: There is now software available to reset the ink level indicators. It is available at <http://uploading.com/files/m4be736b/Reset%2BPrograms.zip> It has been tested on selected models and has worked but I cannot offer a guarantee on all models as I am in no way associated with this site or author of the software. The use or misuse of this software is your own responsibility if you choose to do so.