

# Downloads

## Most Recent Stable Version: DPDAK 1.4.1

- Windows:
  - For 64-bit machine: [dpdak\\_win64bit\\_v1\\_4\\_1.zip](#) or [dpdak\\_win64bit\\_v1\\_4\\_1.7z](#)
  - Supported Operating System:
    - Windows 7, Windows 10
  - **Required Software:**
    - Microsoft Visual C++ 2008 SP1 Redistributable Package (x86, x64)
    - Microsoft Visual C++ Compiler for Python 2.7
    - Microsoft .NET Framework 3.5
    - for 32-bit machine required also:
      - Microsoft Visual C++ 2005 Redistributable Package (x86)
      - Microsoft Visual C++ 2010 Redistributable Package (x86)
  - Hardware Requirements:
    - 2 GHz or faster processor
    - At least 2 GB of RAM; Recommend 4 GB RAM or higher
    - 670 MB of available hard disk space
- Linux:
  - As zip-file: [dpdak\\_Linux\\_v1\\_4\\_1.zip](#)
  - Installation
    - The Linux installation is just from source. To use the source package of dpdak you need to install the free [Python programming language](#) and some additional libraries. Most Linux systems have Python installed by default.

The current version of dpdak needs the following Python version and packages:

- [Python](#) (version 2.7)
- [wxPython](#)
  - Version = 3.0.2.0
- [Python Imaging Library \(PIL\)](#)
- [Pillow](#)
- [NumPy](#)
  - Version >= 1.11
- [SciPy](#)
- [matplotlib](#)
  - Version >= 1.4 recommended, though 2.0 might work as well.
- [NetworkX](#)
- [fabio](#)
- [pyFAI](#)
  - Version >= 0.12
- [h5py](#)
  - Version >= 2.6
- [hdf5plugin](#)
- [lxml](#)
- [pycairo](#)
- [pyopencl](#)
- [six](#)

Please make sure to choose the correct package versions for your Python installation. E.g. if you installed Python 2.7.11 32-bit you need to install all packages in their 2.7 version for 32-bit as well.

On current Debian Linux distributions (Debian 8, Debian 9 ...) you can install all necessary packages via the package manager **synaptic**, or you can use the python install tool **pip**:

```
pip install requests
```

```
e.g. pip install hdf5plugin
```

For other Linux distributions please check the websites for installation instructions.

Note that to make use of the 'ImageIntegrationSubBG (Fit2D)' plugin, you also have to install some 32-bit libraries. E.g. on Debian 8 you have to do following steps:

- `dpkg --add-architecture i386`
- `apt-get update`
- `apt-get install build-essential gcc-multilib rpm libstdc++6:i386 libgcc1:i386 zlib1g:i386 libcurses5:i386 libc6:i386`
- `apt-get install libgtk2.0-0:i386 libidn11:i386 libglu1-mesa:i386`

Steps after installing Python and the needed packages:

- Download the source code of DPDAK via the [Download](#) page.
  - Extract the zip-file.
- Start DPDAK by executing the file 'main.py', e.g. in the command line terminal: `python main.py`
  - It is recommended to do that within a command line terminal since otherwise some instructive error messages might be lost.

For changes with respect to the previous version v1.3.1, please read the [Release Notes v1.4.1](#).

## Old DPDAK Versions

### Version DPDAK 1.4.0

- For 64-bit machine: [dpdak\\_win64bit\\_v1\\_4\\_0.zip](#) or [dpdak\\_win64bit\\_v1\\_4\\_0.7z](#)
- Linux Debian: [dpdak\\_Linux\\_v1\\_4\\_0.zip](#)

### Version DPDAK 1.3.1

- For 64-bit machine: [dpdak\\_win64bit\\_v1\\_3\\_1.zip](#) or [dpdak\\_win64bit\\_v1\\_3\\_1.7z](#)
- Linux Debian: [dpdak\\_Linux\\_v1\\_3\\_1.zip](#)

### Version DPDAK 1.3.0

#### Minor update to plugins (23. January 2018):

Line integration plugins and 2D color plot.

To make them available, just download and copy these to your `~dpdak/plugins` folder.

[line\\_integration\\_gisaxs.py](#)

[line\\_integration\\_qvert.py](#)

[line\\_integration\\_giwaxs.py](#)

[color\\_plot.py](#)

- For 64-bit machine: [dpdak\\_win64bit\\_v1\\_3\\_0.zip](#) or [dpdak\\_win64bit\\_v1\\_3\\_0.7z](#)
- For 32-bit machine: [dpdak\\_win32bit\\_v1\\_3\\_0.zip](#) or [dpdak\\_win32bit\\_v1\\_3\\_0.7z](#)
- Linux Debian: [dpdak\\_Linux\\_v1\\_3\\_0.zip](#)

### Version DPDAK 1.2.0

- Windows: [Dpdak\\_win\\_v1\\_2\\_0.zip](#)
- Linux Debian 8: [dpdak\\_1.2-0.deb](#)

### Version DPDAK 1.0.0

This is the version that the publication Benecke, G. *et al.*, J. Appl. Cryst. **47**, 1797-1803, (2014), [doi:10.1107/S1600576714019773](#) refers to.

- Windows: [Dpdak\\_v100\\_win.zip](#)
- Linux source code from SVN
  - as tar ball [dpdak-dpdak.tar.gz](#)
  - via the command line: `svn checkout https://svnsrv.desy.de/public/dpdak/tags/v1_0_0/dpdak`

### Version 0.3.4

- Windows: [Dpdak-win-0.3.4.zip](#)
- Linux:
  - as tar ball [dpdak-dpdak.tar.gz](#)
  - via the command line: `svn checkout https://svnsrv.desy.de/public/dpdak/branches/v0_3_4/dpdak`

### Version 0.3.2

- Windows: [Dpdak-win-0.3.2.zip](#)
- Linux:
  - as tar ball [dpdak-dpdak.tar.gz](#)
  - via the command line: `svn checkout https://svnsrv.desy.de/public/dpdak/branches/v0_3_2/dpdak`