



## Dear friends of Python programming,

If you are interested in integrating control of a DLC pro into a Python program, the TOPTICA Python Laser SDK is exactly what you are looking for.

We leave it to the Python experts to get you started in Python programming but would like to help you integrating the control of the DLC pro into your Python program. For more information, please consider the following resources:

### Installation of the TOPTICA Python Laser SDK

- The most comfortable way to install the Python Laser SDK is by using pip:  
**\$ pip install toptica-lasersdk**
- For a manual download please go to the official [PyPi Page](#)
- More information as well as a Quick-Start-Guide and in depth coding examples can be found in the packages [Github documentation](#)
- You may also visit [TOPTICA's technology page](#) on the SDK and navigate from there

### Available commands to control a DLC pro

- For documentation of the available variables and commands, please refer to the **DLC pro Command Reference**, which is part of any DLC pro software release in the folder `1_TOPTICA DLC pro SOFTWARE_x.x.x\1_DOCUMENTATION`

### DLC pro Software

- The latest DLC pro software is available for download through this link: [www.toptica.com/DLCproUpdate](http://www.toptica.com/DLCproUpdate)
- New features are shown in the Downloads section on the [webpage of the DLC pro](#)

The TOPTICA Python Laser SDK provides the class **DLCpro**. Instances of this class come with methods to access all parameters listed and described in the DLC pro Command Reference.

Here is very simple example of connection to a DLC pro (with firmware 2.4.0), which controls the laser with label "DL pro", and printing serial number of the DLC pro and status:

```
from toptica.lasersdk.dlcpro.v2_4_0 import DLCpro, NetworkConnection
from toptica.lasersdk.utils.dlcpro import *

__LASER_ID__ = 'DL pro'

with DLCpro(NetworkConnection(__LASER_ID__)) as dlc:
    sn = dlc.serial_number.get()
    health = dlc.system_health_txt.get()
    print('Connection established to DLC pro with serial number ' + sn)
    print('System health: ' + health)
```

And now we wish you happy coding and hope that you will enjoy seeing your Python program taking control over the DLC pro controlled laser!

Best regards,  
your DLC pro team