

## QuickStart: the BLKQCL Control API for LaserTune

- Review overall [QuickStart.pdf](#)
- The APIs you will care most about for the tunable laser functionality are
  - [GetFactorySettings\(\)](#)

WaveNumberRange, temperature set-point ranges, as well as defaults for UserSettings.
  - [GetUserSettings/SetUserSettings](#)

External pulse control, triggers, Laser temperature set-pointers, pulse width/duration, and much [more](#).
  - [MoveTune\(\)](#)

The Move operation simply turns the laser on, and on a particular *wavenumber*.
  - [StepTune\(\)](#)

A step tune turns the laser on for each step from start to stop (by step size increments).
  - [SweepTune\(\)](#)

A sweep tune turns and moves it smoothly through a caller-specified range of waveNumbers.
  - [StopLasers\(\)](#)

Aborts any outstanding laser operations, and it turns off the laser.
- For more details on these and other APIs, consider the [BLKQCL-SDK-API-Reference.pdf](#)