



*Simply Advanced Control
Laser Diode Drivers & Temperature Controllers*

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Configurable USB for Low Noise Remote Laser Diode Control
Intuitive Graphical Interface & Data Acquisition for Multiple Units via PC

The FL593FL brings Wavelength's low noise FL500 laser diode driver under USB computer control. This full speed USB controller comes with a robust driver, a simple Windows™ control interface, and an easy-to-use development API for rapidly building custom applications.

On-board nonvolatile memory holds operational settings. Download a configuration, then disconnect the FL593FL from the PC and it continues operating – standalone. Or use USB hubs to control multiple units from a single port. Each device is displayed in its own window, complete with real-time data acquisition, limit and setpoint monitoring, Interlock Enable notification, and custom configuration options. Configurations can be saved and reloaded for consistency and efficiency with multiple operators. Plug-n-play using the default factory settings or use the API provided to tailor the FL593 for a specific function.

This adaptable module is ideal for remotely controlling multiple laser diodes – such as burn-in racks, L-I characterization systems, and more. Setpoint, current limit, constant current/constant power mode settings are all under computer control. Optional analog inputs facilitate up to 500 kHz modulation in constant current mode. Data acquisition period can be set from 100ms to 10 second intervals.

Wavelength Electronics has simplified advanced laser diode drive and thermal control technology for OEM and research applications since 1993. Our high performance specifications are supported by a team of experienced sales and design engineers and a top-notch manufacturing facility. Evaluation quantities are typically available from stock.

To learn more about the FL593FL and Wavelength's complete line of high-precision, low-noise, ultra-stable laser diode drivers and temperature controllers, call 406-587-4910, email sales@teamwavelength.com or visit our website, www.teamwavelength.com.