



Legacy software or instruments may experience compatibility issues. Please receive support from customer service in such cases.



HighFinesse GmbH
Neckarsulmer Straße 5
72072 Tübingen, Germany

T +49 (0) 7071 - 53 918 0
M info@highfinesse.com

www.highfinesse.com

This Quick Start Guide is also available on our website:



www.highfinesse.com/quick-start-guide

Please note:

Some optional features require separate hardware parts. Please make sure to assemble them before software installation!

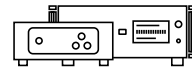
Quick Start Guide · HighFinesse Multichannel Laser Controller and Fiber Switch · 10-2024

This document provides general information only and may be subject to change at any time without prior notice.

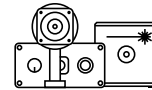
Have a look to the complete product portfolio of HighFinesse



Spectrometer



Linewidth Analyzer



Calibration Sources

www.highfinesse.com



Quick Start Guide

HighFinesse

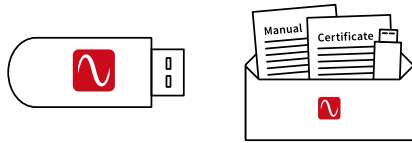
Wavelength Meter



WS Series

Connection to light source via MCLC

1



The **installation software** is deployed on a flash drive. It's stored in the **envelope** that contains the manual and certificate.

2



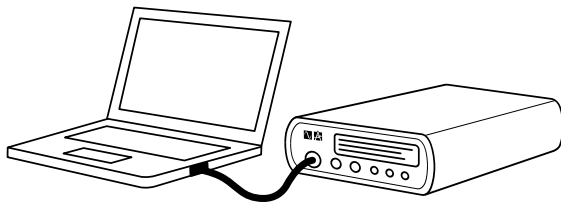
Start »setup.exe«

Run the installation executable in the USB root directory as **administrator**.

This is necessary for installing the required drivers.

3

Connect Wavelength Meter and Computer

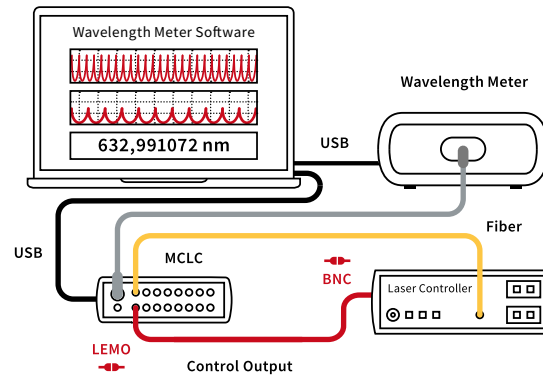


Some wavelength meters have an external power supply. Please connect the power supply before connecting the USB cable (included in shipment).

Please avoid using USB cables longer than 3 meters – that might cause communication protocol difficulties with Windows.

4

Connect MCLC to Wavelength Meter and Lasers



⚠ Please note: Pay attention to the damage thresholds specified in the MCLC manual. A few μJ (μW @ 1 s exposure) or even less are usually enough to achieve a measurement. Take special care when working with pulsed lasers.

Suitable patchcords:

The MCLC input fibers with a core diameter of $9\ \mu\text{m}$ can be used as an input for the MCLC over the whole wavelength range of the wavelength meter.

Use the  patchcord between laser and switch.

1 Connect the MCLC to your PC via the included USB-cable. 2 Connect the MCLC to power using the provided power supply.

⚠ Please note: Make sure that laser sources are blocked.

3 Connect the input fibers to the respective laser source and the MCLC. 4 Connect the output fiber of the MCLC to the wavelength meter.

5

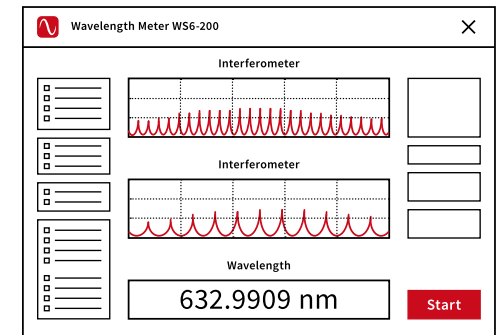


Start software

Simply run the desktop shortcut.

6

Connect laser control outputs



1 Start the software and unblock the laser.

⚠ Please note: Verify that the laser controller input has an impedance of at least 10 kOhm.

2 Connect the laser control outputs to the laser controller(s).

3 See the “How to tutorial” “Control lasers with the HighFinesse Multichannel Laser Controller (MCLC)” on our website to set up the PID control.



https://www.highfinesse.com/en/howto/tutorial/Multichannel_Laser_Controller_EN.pdf