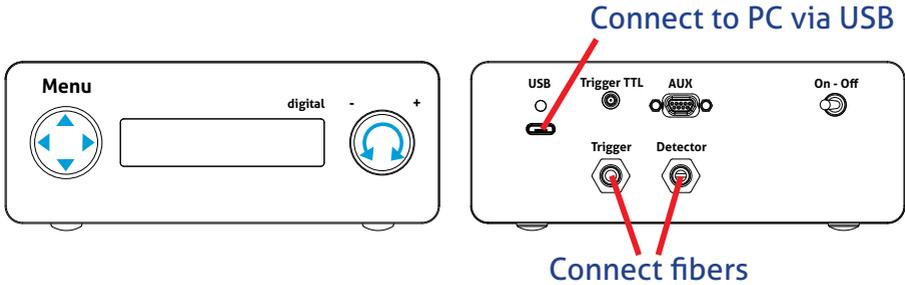


Getting started



1. Connect one optical fiber to “Detector” on the rear panel.
2. Connect the second optical fiber to “Trigger” on the rear panel.

**Take off protective cap before mounting the fiber!
Keep fiber ends clean, do not touch!
Recap when not in use!**

3. Mount end of the “Detector” optical fiber in front of flow cell of the cytometer.
4. Mount end of the “Trigger” optical fiber to the forward scatter of the cytometer.
5. Turn on (On-Off switch located on the rear panel).

Basic setup of *quantiFlash*



Turn dial to set the value of the activated parameter

Example:

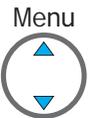


Press dial to change between toggle mode/cursor mode of ◀▶ (relevant for Pulse duration menu)



Menu

Use navigation keys left/right to move the cursor to the desired position (increasing or decreasing the increment of the dial) to toggle through the options of the submenu



Menu

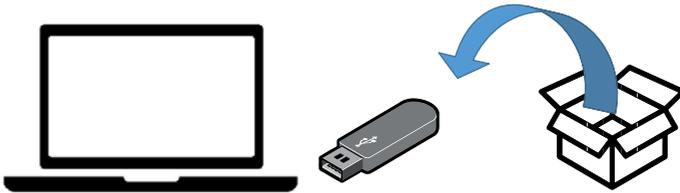
Use navigation keys up/down to select the desired setup menu

| | |
|-------------------|---|
| Intensity | Use dial to change the output intensity of the LED pulses |
| ◀▶ | |
| Count rate | Use dial to change the event rate (Default is 1000 events/s) |
| ◀▶ | |
| Pulse duration | Use ◀▶ to change pulse duration 2us ◀▶ 5us ◀▶ custom |
| ◀▶ | |
| Pulse shape | Use ◀▶ to change pulse shape Standard ◀▶ Gaussian ◀▶ Flat top |
| ◀▶ | |
| Trigger intensity | Use dial to change the trigger intensity |
| ◀▶ | |
| Intensity mode | Use ◀▶ to toggle between logarithmic and linear mode |
| ◀▶ | |
| Battery status | Information on battery status |
| ◀▶ | |
| Reset timer | After indicated time without interaction the device will return to intensity menu |

Installation of user software

Three easy steps to get ready:

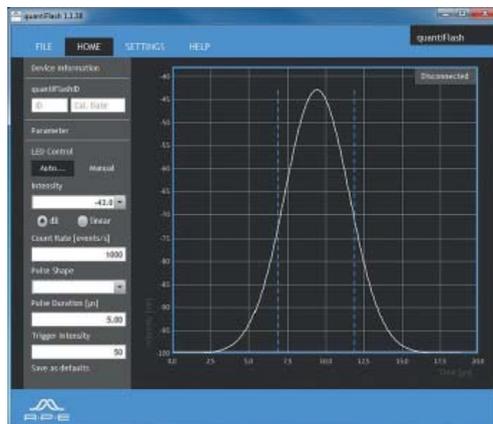
1.



Start <USB drive>:\quantiflash\installer.exe and follow the instructions. Alternatively, use the portable version (no installation required).

2. Connect your *quantiflash* via USB and switch on the device.

3. Start *quantiflash* software “quantiflash.exe”. Once it is connected successfully the serial number of your device will be displayed in the software window.



User software of *quantiFlash*

Serial number and expiration date of calibration

FILE Menu: load and save complete parameter sets

Set up parameters

The screenshot displays the *quantiFlash* software interface. On the left, a settings panel is titled "Set up parameters" with a blue bracket. The panel includes sections for "Device Information" (with fields for "quantiFlashID" and "Cal. Date"), "Parameter" (with "Auto..." and "Manual" buttons), "LED Control" (with "Auto..." and "Manual" buttons), "Intensity" (set to -43.0), "Count Rate [events/s]" (set to 1000), "Pulse Shape" (dropdown menu), "Pulse Duration [µs]" (set to 5.00), and "Trigger Intensity" (set to 50). A "Save as defaults" button is at the bottom of the settings panel. The main window shows a graph of "Intensity [dB]" versus "Time [µs]". The graph displays a bell-shaped curve peaking at approximately 9.5 µs. Two vertical dashed blue lines are drawn at approximately 7.5 µs and 12.5 µs. The status bar at the top right of the graph area says "Disconnected". The APE logo is visible in the bottom left corner of the software window.

Personalize your *quantiFlash*:
store current settings set as defaults

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