

AHF TRIGGERBOX

Interface for microscopy software and light sources



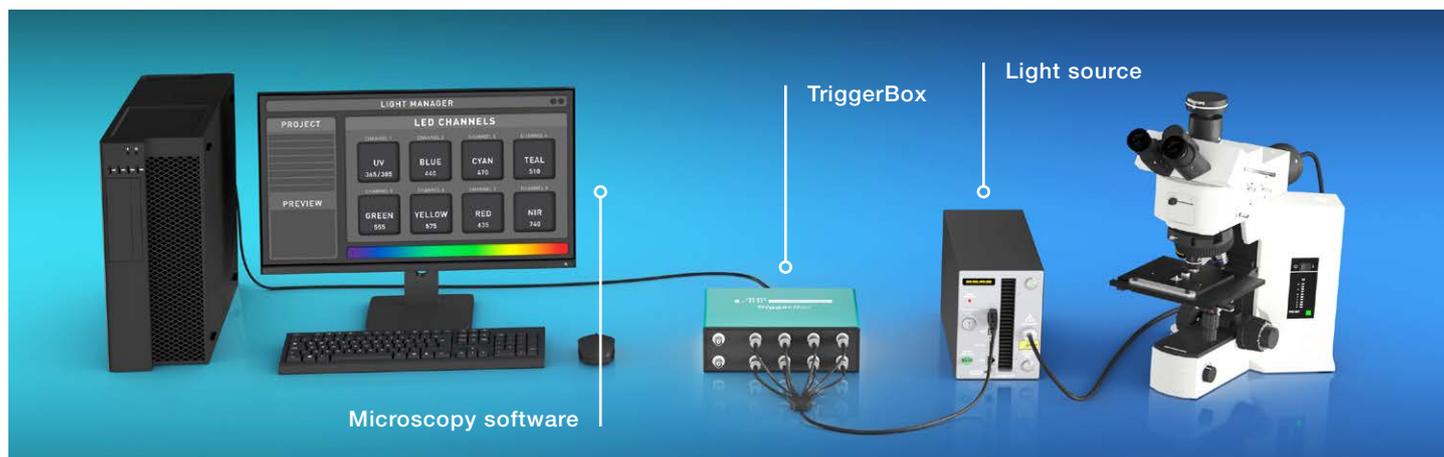
CONTROL LIGHT SOURCES WITH MICROSCOPY SOFTWARE

The AHF TriggerBox allows you to control fast and flexible a wide range of LED light sources by using common imaging software. The TriggerBox is an NI 6501-compatible interface device that gets connected between computer and microscope light sources via BNC and USB which uses TTL signals for controlling.

YOUR BENEFITS

- :: Control many models of light sources with common microscopy software
- :: Easy exchange of light sources
- :: Compact unit with 8 + 2 BNC ports (TTL)
- :: Usable with any TTL controllable device
- :: No external power supply needed

BUILDING A BRIDGE BETWEEN LIGHT SOURCES AND SOFTWARE



LED light sources are becoming more and more common in fluorescence microscopy due to their advantages in performance and lifetime which lead to a wide range of available models on the market. Also, various microscopy software solutions are used in practice. Unfortunately, the light source is often not directly controllable by the microscopy software.

That's why AHF developed the TriggerBox. It is an NI 6501-compatible interface device that provides a connection between computer and light source via

BNC and USB. This allows flexible triggering of a TTL controllable light source by using your familiar imaging software.

The AHF TriggerBox is a compact device equipped with 8+2 signal ports. Signals are processed inside in the device within microseconds. Moreover, it can be used for any other TTL controllable device such as lasers, electro-optical devices, etc. which provides a wide variety of applications.

TECHNICAL DATA AND COMPATIBILITY



Feature	Description
Input (from computer)	1 x USB port
In/Output (to light source)	8 x BNC ports (TTL: 0–5 V), 2 x BNC ports (TTL: 0–5 V) optional use as trigger counter (32 bit)
Dimensions	(L x W x H) 60 x 135 x 50 mm
Weight	approx. 350 g
Equipment	1 x TriggerBox unit 1 x USB cable (2 m)
Software compatibility	e.g. MetaMorph, μ Manager, Nikon NIS, Olympus cellSens, etc.
Light source compatibility	e.g. Lumencor : SOLA series, SPECTRA series, FURA, CELESTA / CoolLED : pE-4000, pE-300 series, pE-340, pE-100, pE-2 / Excelitas : X-Cite series, etc.