

nero
T R I G G E R

USER MANUAL

Welcome

Thank you for your purchase of Nerotrigger. This manual was written to help you use Nerotrigger with all of the features it offers. Please keep it available to all who will be using Nerotrigger. Read it thoroughly before use.

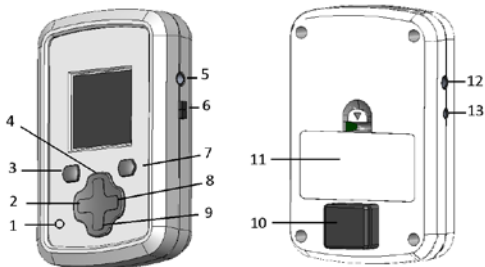
Modes of Operation

Nerotrigger offers 6 different modes of operation. They are: Lightning, Sound, Time Lapse, Laser, HDR (High Dynamic Range) and DIY (Do It Yourself). Lightning mode is the default mode. When you switch Nerotrigger on, it will start working in Lightning mode.

Power Saving

Nerotrigger is an energy efficient device. LCD screen will be turned off to save battery if you don't press any button for 30 seconds. You can turn it back on by pressing any key.

Getting to Know the Nerotrigger



Nerotrigger Device Layout

1.LED

2.Left Scroll Button

3.Menu Button

4.Up Scroll Button

5.DIY Port

6.On/Off Switch

7.Start Button

8.Right Scroll Button

9.Down Scroll Button

10.Hot Shoe

11.Battery Cover

12.Flash Cable Port

13.Camera Cable Port

Package Content

The package of a Nerotrigger will include the following items: 1xNerotrigger, 2xAAA 1.5 Volt Batteries, 1xUser Manual. If the package content is not as described, please contact Nerotrigger customer support immediately.

Features

Nerotrigger has been redesigned to meet the demand of all photographers. It is based on a full digital design, there is no analog component used. Every single Nerotrigger is ready to offer the same accuracy level. The battery compartment is easily accessible, so you can replace the batteries just by opening the cover and putting the fresh batteries in. The remaining battery power is always displayed on the screen. It has a color LCD screen which provides you all the information you need right on the spot. With the clean and sharp menus, you will be ready to go in a few minutes.

On top of well-known Lightning, Sound, Time Lapse and Laser modes, there are new mode of operations such as HDR

(High Dynamic Range) and DIY (Do It Yourself). All of the modes can be fine-tuned to fit your needs.

The interchangeable camera connection cable is also another standard feature of Nerotrigger. You can also use the flash unit triggering port to trigger your flash. The external input source port is used in DIY mode.

First Use

Nerotrigger operates with two AAA Batteries. Take the batteries from the box. Open the battery cover of Nerotrigger and put in the batteries. Please make sure you are putting them with the correct polarity. You can see the polarity signs on the board of Nerotrigger. Use only 1.5 V AAA alkaline batteries. Rechargeable batteries are not supported by Nerotrigger. After you put the batteries in, close the battery cover. Turn the power switch on and Nerotrigger will start working.

Menu System of Nerotrigger

Nerotrigger features a device menu system which enables you to use the device very easily. The menu has two levels: Main Menu and Sub-menus. The Main Menu lets you to switch between different modes of operation. You can navigate on modes by using the right and left scroll buttons. To operate in a certain mode you need to enter the Sub-menu of that mode by pressing the Start button. Each mode of operation has its own Sub-Menu where you can adjust the settings of that mode as mentioned in the following sections. You can always switch back to the Main Menu from Sub-menus by pressing the Menu button.



LIGHTNING

Usage Examples: Triggers your camera to catch light events like lightning, bolts, sparks, fireworks etc.

Camera Setup: Manual Focus, Fixed Exposure Time



- Adjust the sensitivity between 1 and 99 per your needs by pressing Left and Right Scroll buttons. The higher the number the more sensitive will be Nerotrigger.

- Press the Start button. Nerotrigger will count down for 3 seconds, go to Economy Mode for battery saving and start to operate.

If you feel that Nerotrigger makes a lot of false triggering, decrease the sensitivity level and try again. Similarly increase the sensitivity level, if you want Nerotrigger to catch light events with smaller differences in light level.

SOUND

Usage Examples: Triggers your flash unit in case of a sound event like popping balloon, breaking glass, water etc.

Camera Setup: Manual Focus, Long Exposure Time



- Adjust the sensitivity between 1 and 99 per your needs. The higher the number the more sensitive will be Nerotrigger.

- Adjust the delay between 0 and 999 ms per your needs. This is the delay

between Nerotrigger detects the sound event and triggers the flash unit.

- Adjust the Lock property between ON and OFF. If Lock is set to OFF, Nerotrigger will keep triggering the flash unit if it detects sound events until you quit sound mode. You can set the Lock to ON, if you want to capture a single frame only. In this case, you will need to press start button again to make Nerotrigger ready for another triggering.

- Press the Start button. Nerotrigger will count down for 3 seconds, go to Economy Mode for battery saving and start to operate.

TIMELAPSE

Usage Examples: Triggers your camera with a certain time interval between each frame & with a certain exposure time

Camera Setup: Manual Focus



- Adjust the interval between each frame anywhere starting from 1 second up to 59 minutes and 59 seconds.
- Adjust the exposure anywhere between 0 seconds up to 59 minutes and 59 seconds. You should set to 0

seconds if you don't need a long exposure time.

- Adjust the number of frames with the limit parameter, so you don't fill up your memory card with unnecessary pictures. You can set it up to 9999. If you set it to 0, this means there is no limit.
- Press the Start button. Nerotrigger will start to operate.

LASER

Usage Examples: Triggers your camera or flash unit once the laser beam is broken to take water drops, wildlife photos etc

Camera Setup: Manual Focus, Fixed Exposure Time



- Set the threshold value to a high level such as 990 and align the laser beam with the receiver. When the laser beam hits the receiver you will see LM sign on top of the LCD screen.

• If you don't see the LM sign, either the laser beam is off the receiver or it is not strong enough. In such a case, align the laser beam with the receiver and if this does not help decrease the threshold value.

• Adjust the delay between 0 and 999 ms per your needs. This is the delay between Nerotrigger detects that the laser beam is broken and triggers the flash unit.

• Adjust the frame parameter which determines the number of photos to be taken each time the laser beam is broken

• Press the Start button. Nerotrigger will count down for 3 seconds, go to Economy Mode for battery saving and start to operate.

HDR (High Dynamic Range)

Usage Examples: Triggers your camera to capture the same frame multiple times with different exposures

Camera Setup: Manual Focus, Bulb Mode



- Set the center value to the optimum exposure time between 1/15seconds to 15 seconds to capture the frame
- Adjust the EV (Exposure Value) to 1/3, 1/2, 1 or 2 to set the exposure value steps between each frame.
- Adjust the frame parameter which determines the number of photos to be taken.
- Press the Start button. Nerotrigger will start to operate.

Example Usage:

Setting1: Center: 1 sec, EV: 1, Frame: 5

Exposure: 1/4, 1/2, 1, 2, 4

Setting2: Center: 1 sec, EV: 1, Frame: 7

Exposure: 1/8, 1/4, 1/2, 1, 2, 4, 8

Setting3: Center: 1 sec, EV: 2, Frame: 5

Exposure: 1/16, 1/8, 1, 4, 16

DIY (Do It Yourself)

Usage Examples: Triggers your camera by receiving any type of external signal as a triggering event.

Camera Setup: Manual Focus, Fixed Exposure Time



- Adjust the threshold between 1 and 999 per your needs. 999 corresponds to “3V” where 1 corresponds to “0V”
- Adjust the delay between 0 and 999 ms per your needs. This is the delay between Nerotrigger detects the

signal level change and triggers the camera.

- Adjust the mode parameter which determines which type of change will be considered as a triggering event. It has three different options: Rising, Falling, and Change. If you set it to Rising, the camera will be triggered only if the signal is changed in a rising manner. Similarly, Falling mode will consider only a falling signal as a triggering event. The third option Change, accepts both of the changes, rising and falling as triggering events.

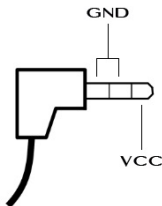
P.S.: Please refer to Appendix A prior to use DIY mode.

APPENDIX A

WARNING 1: DIY mode is for advanced users only. Use it at your own risk. If you don't know what you're doing, you risk damaging your Nerotrigger.

WARNING 2: This port is already powered. This means that it reads "999" between the sleeve and the tip. When the two are shorted, it reads "1". You can use this to create simple touch sensors, pressure sensors, tilt sensors, etc. If you are planning to use external sensors, you must keep DIY port voltage under a maximum of 3V.

WARNING 3: You must use the following schematic to use Nerotrigger at DIY mode.



DISCLAIMER

- Lightning Photography is a dangerous activity. We are not liable for any damage or personal injury associated with the use of Nerotrigger.
- Nerotrigger is intended for use as a camera shutter release device only and no other purpose.
- Nerotrigger is not waterproof. It should be treated and handled with the care of a camera and should not be dropped and/or exposed to extreme heat or moisture.
- Do not disassemble Nerotrigger. Doing this will void your warranty. Using a disassembled Nerotrigger can damage your camera and other equipment.
- We are not responsible for any kind of damage caused by the use of Nerotrigger.