# PatchMaster 4in1 User Manual

**Welcome**

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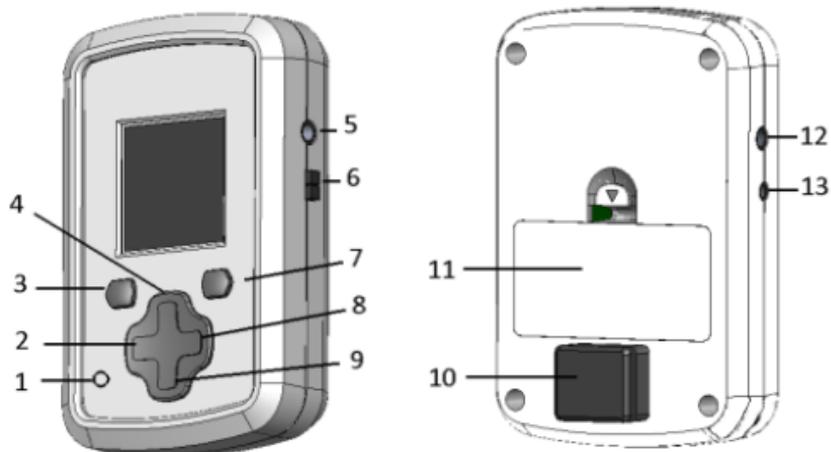
**Modes of Operation**

PatchMaster offers four different modes of operation. They are: Lightning, Sound, Time Lapse, Laser and Laser. Lightning mode is the default mode. When you switch PatchMaster on, it will start working in Lightning mode.

**Power Saving**

PatchMaster 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 PatchMaster**



*PatchMaster Device Layout*

**1.** Trigger LED
**2.** Left Scroll Button
**3.** Function Button
**4.** PLUS Button
**5.** Reserve Port
**6.** On/Off Switch
**7.** Start/Stop Button
**8.** Right Scroll Button
**9.** MINUS Button
**10.** Hot Shoe
**11.** Battery Cover
**12.** Flash Cable Port
**13.** Camera Cable Port

**Package Content**

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

**Features**

The new PatchMaster has a colorful LCD screen. It allows you to set up your trigger very easily. The user interface of PatchMaster provides all of the required information in a simple way. Once you switch PatchMaster on, you will be ready to start shooting in a few minutes. PatchMaster saves your current settings, so you don't need to readjust it at next use.

PatchMaster is now energy efficient. We know that it is very annoying to run out of power in the middle of a shooting, so we added power saving features to PatchMaster. PatchMaster will turn the LCD screen off if you don't hit any button in 30 seconds. The screen will turn on again if you hit any key. This will enhance the battery life of PatchMaster.

PatchMaster has now a new feature compared to the previous version. We offer now Sound Trigger capability in the same box. This way you don't need to carry a sound trigger in your gadget bag. Sound Trigger mode offers enhanced features like sensitivity, delay and shooting mode.

The already existing features have been also enhanced. Sensitivity levels have been redefined to provide greater accuracy. New parameters like limit, delay and shooting mode have been added.
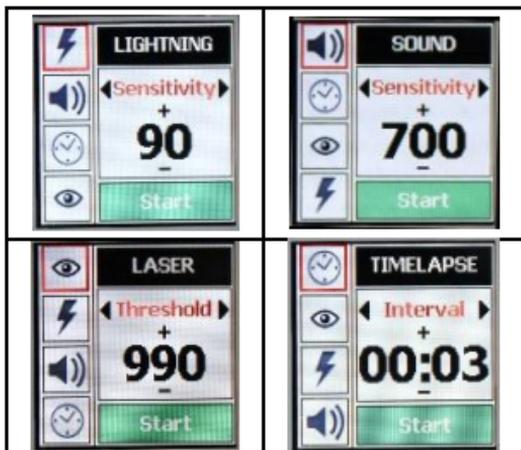
**Before you start using PatchMaster**

PatchMaster operates on two AA Alkaline batteries. The batteries are included in the package. Please do not use rechargeable batteries as they usually do not provide enough voltage required for a stable operation. If the batteries get low on voltage, PatchMaster will not turn on. In such a case change the batteries with new AA Alkaline batteries.

**PatchMaster User Interface**

The user interface of PatchMaster is very simple to use and navigate. The active mode and respective icon will be displayed on top of the screen. You can switch between the modes anytime by hitting the function key.

Each mode has different adjustable parameters. To increase or decrease the values of a certain parameter, hit the PLUS or MINUS button. To navigate between adjustable parameters, use the right and left scroll buttons. Once you have all your parameter ready, press the Start button and PatchMaster will start to operate.

**LIGHTNING**

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

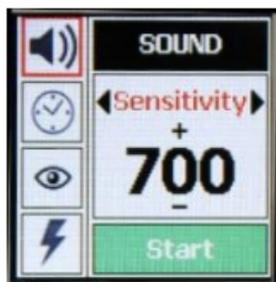**Camera Setup:** Manual Focus, Fixed Exposure Time

•Adjust the sensitivity between 1 and 99 per your needs by pressing PLUS and MINUS buttons. The higher the number the more sensitive will be PatchMaster.

• Press the Start button and PatchMaster will start to operate. It will enter into Economy Mode in thirty seconds to save the battery. The LCD screen will go black. You can quit the battery saving mode by hitting any key.

If you feel that PatchMaster makes a lot of false triggering, decrease the sensitivity level and try again. Similarly increase the sensitivity level, if you want PatchMaster 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 999. The higher the number the more sensitive will be PatchMaster.

• Adjust the delay between 0 and 999 ms per your needs. This is the delay between PatchMaster detects the sound event and triggers the flash unit.

• The Sound Trigger function has two modes: Continuous and Single. If the mode is set to continuous, PatchMaster will keep triggering the flash unit if it detects sound events until you quit the sound mode. You can set the mode to single, if you want to capture a single frame only. In this case, you will need to press start button again to make PatchMaster ready for another triggering.

• Press the Start button and PatchMaster will start to operate. It will enter into Economy Mode in thirty seconds to save the battery.

**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 and PatchMaster will start to operate. It will enter into Economy Mode in thirty seconds to save the battery. The LCD screen will go black. You can quit the battery saving mode by hitting any key.

## 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, the LASER sign will turn into red.

• If LASER sign is not red, either the laser beam is off the receiver or it is no 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 PatchMaster 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 and PatchMaster will start to operate. It will enter into Economy Mode in thirty seconds to save the battery.

**Disclaimer**

- Lightning Photography is a dangerous activity. We are not liable for any damage or personal injury associated with the use of PatchMaster.
- PatchMaster is intended for use as a camera shutter release device only and no other purpose.
- PatchMaster 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 dissemble PatchMaster. Doing this will void your warranty. Using a dissembled PatchMaster can damage your camera and other equipment.
- We are not responsible for any kind of damage caused by the use of PatchMaster.