

**P.O. BOX 2596
FLAGSTAFF, AZ 86003-2596
TEL. 928.699.4041
www.tminusproductions.com**



**3 IN 1 LASER / IR / HIGH SPEED SOUND
TRIGGER**

Thank you for purchasing the 3 in 1 trigger. This manual was written to give the buyer the basic understanding of how to operate and maintain the unit. It's up to the user to determine how to apply each trigger's use to capture high speed events. T-Minus Productions can offer advice on how to terminate a PC sync or Off Camera Flash Cord to an output connector, camera and flash settings, and setting up your studio to photograph a high speed event. Please print out and thoroughly read this manual.

3 IN ONE TRIGGER MANUAL

- 1. Fig. 1 shows the basic operation of the trigger. All 3 triggers sensitivities are set to their best performance levels. We do not recommended changing settings, and it's the user's responsibility if they are altered.**

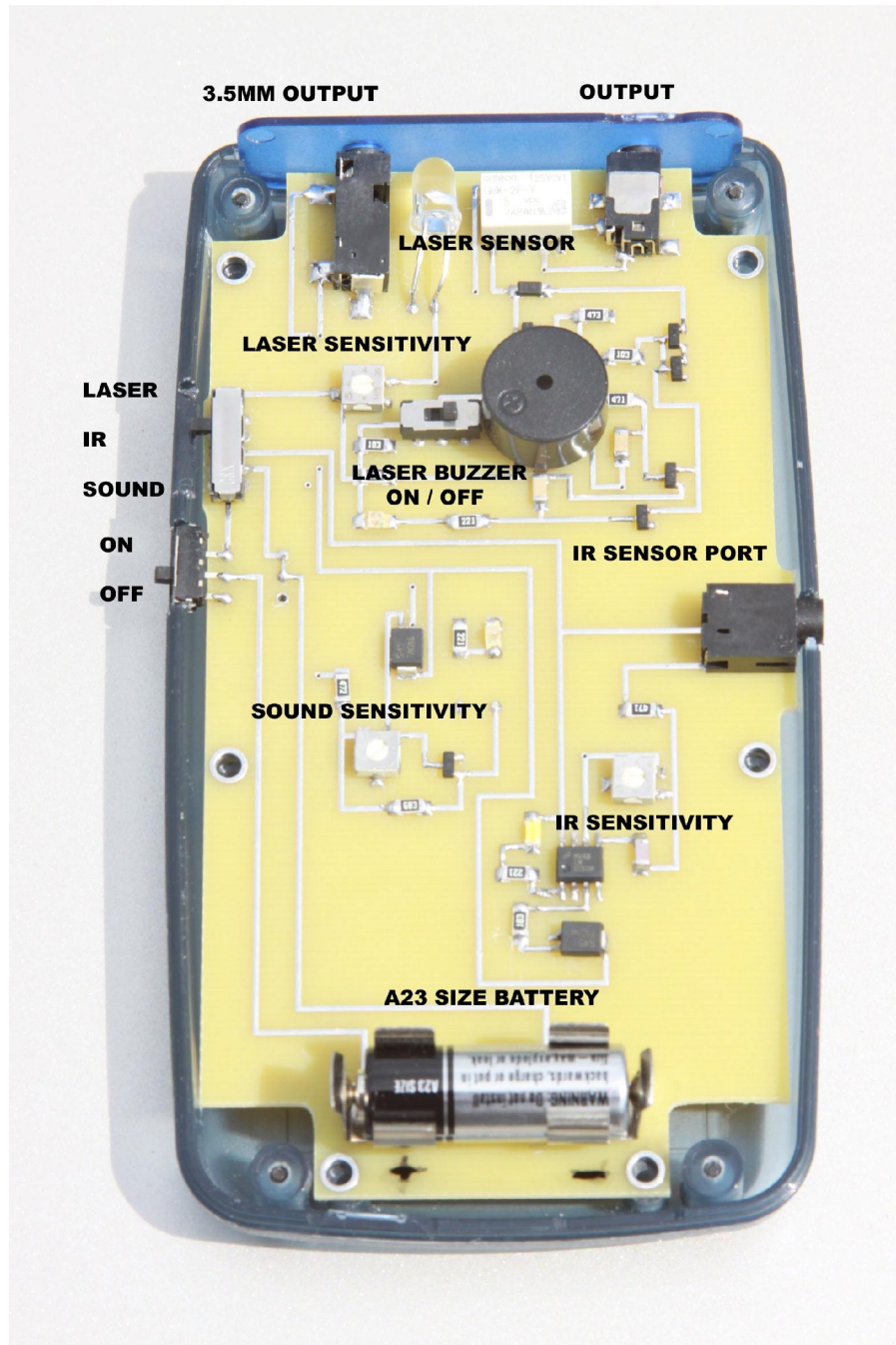


Fig.1

2. To replace the battery or change sensitivity settings, it's required to open the unit. Remove the four Phillips head type screws, turn the unit over and lift the top half of the case from the bottom half. Fig. 2 - Fig.3

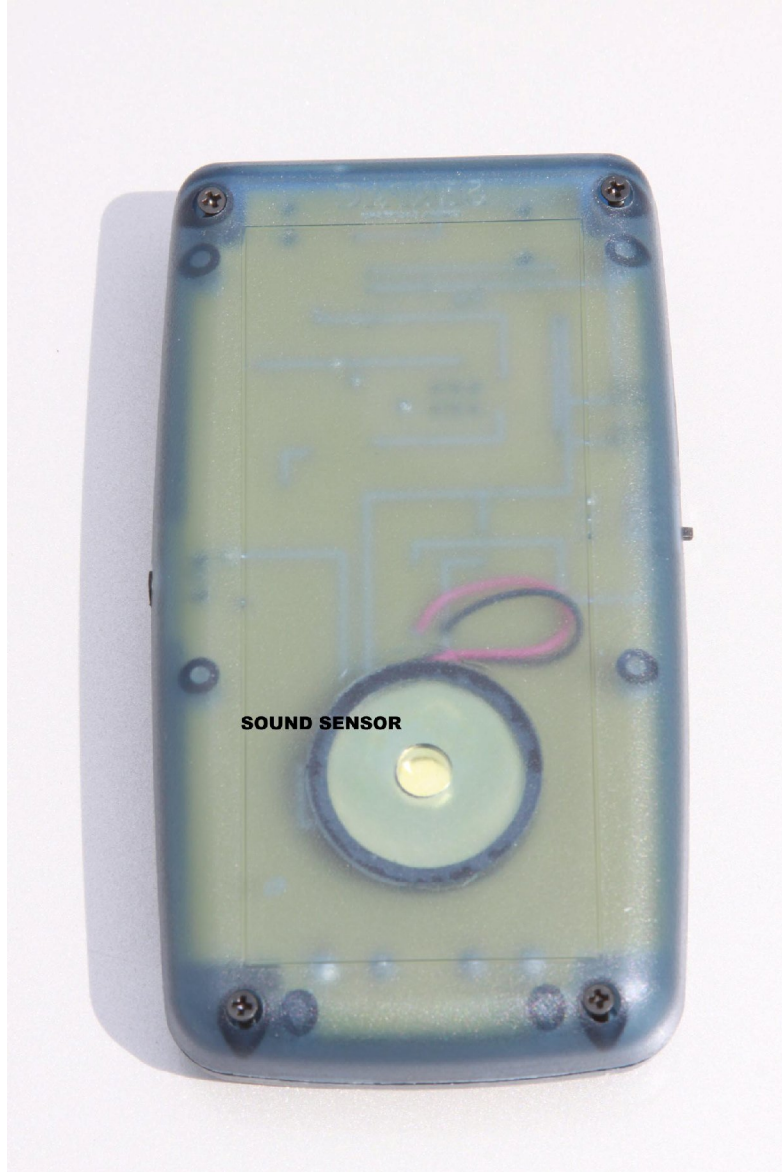
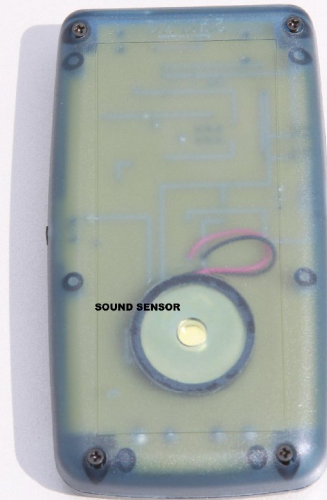


Fig.2



Fig.3

- 3. To use the sound trigger, move the trigger selection switch using a pen tip to Sound as shown in Fig. 1. When turned on a Blue LED indicates power is on. The sound sensitivity is set to its Most Sensitive position. It is a single turn adjustment and can only be turned clockwise no more than one turn. The adjustment is delicate and extreme care is required to not over turn or damage to the unit will occur.**
- 4. The sound mic is located on the back side as shown in Fig. 2 and Fig. 4**



- 5. Position the sensor upward while using the sound trigger.**
- 6. The trigger is shipped with a new battery and the trigger selection is set to Laser (Fig.1). If you turn the unit on, nothing will appear to happen. Note the location of the Laser (Photo Interrupter) sensor in Fig.1. The sensor is light sensitive which means ambient light will keep the circuit unlatched until darkness causes the circuit to close. Shut off the lights or step into a darkened room and a red LED will illuminate and you will hear the trigger circuit latch. To use the laser trigger, aim a laser pointer at the Laser Photo Interrupter Sensor through the front panel and what ever breaks the beam will trigger the circuit. The Laser trigger has an optional buzzer indicating the beam from the laser pointer (not included) is broken. It is shipped turned off. To use this function, slide the Laser Buzzer switch from Off to On. The laser sensitivity is set to a medium range. You can turn the adjustment to more sensitive clockwise or less sensitive counter clockwise.**

- 7. The InfraRed trigger sensitivity was adjusted and set during testing to perform “Water Droplet” photography where a drop of water will interrupt the slot sensor (included) beam and trigger your flash. The slot sensor circuit is designed for slow moving objects and will not work with bullets or fast objects. To use the IR trigger, plug the sensor cord into the connector as indicated in Fig. 1, move the trigger selection switch using a pen tip to the center position (Fig.1) then turn the unit on. A white LED will illuminate indicating power is on.**
- 8. The 3 in 1 trigger is designed for in studio set ups and the 12v battery is limited to usage. We recommend leaving the trigger off while setting up your shoot and only turning it on prior to shutting the lights out, performing the high speed event, then turn the trigger off immediately after. Please note the orientation of the battery positive and negative terminals as indicated with + and -.**

Thank you again for your purchase. High speed flash photography is a unique art of triggering your flash unit in darkness to capture a high speed event. Your camera's shutter is just not fast enough to do this. Just as it would be in any new experience, it requires practice with different set ups, placing the trigger closer or farther away from objects or sound events and countless other techniques. A Pc sync cord is required for triggering your flash and not included with the purchase. There are readily available off camera flash sync cords as well and termination to the included connector is very easy to do. If you're not able to terminate the cord, T-Minus Productions offers free sync cord terminations. If you would like for us to terminate a cord, call or email us for the shipping address, then drop ship the cord along with a pre-paid self addressed return mailing pouch to your destination from the US zip code 86003.