# SoundOff Signal

3900 Central Parkway
Hudsonville, MI 49426
toll free 800.338.7337
office 616.896.7100
techsupport@soundoffsignal.com
www.soundoffsignal.com

## ⚠ WARNING

**This product contains high intensity LED devices. To prevent eye damage, DO NOT stare into light beam at close range.**

**IMPORTANT: DO NOT** connect this device to a strobe power supply

**WARNING:** Warning devices are strictly regulated and governed by Federal, State, and Municipal ordinances. These devices shall be used ONLY on approved vehicles. It is the sole responsibility of the user of these devices to ensure compliance.

## BRACKET MOUNTING

1. Mount the "U" bracket to the vehicle and then to the housing
2. Make certain that the light is positioned horizontally.
3. Tighten screws and nuts.
4. Route the cable as required to switching unit.

## OPERATING INSTRUCTIONS

The PAR 36 LED light comes equipped with its own selectable 16 pattern flasher or it can be put into slave mode and driven through an external flasher.

1. Connect the BLACK wire to a good, conveneint ground.
2. Connect the RED wire to one side of user supplied on/off switch. Connect the other side of the switch, through a 5 Amp fuse, to a source of +10-16Vdc.

## PATTERN SELECTION

1. Turn light ON.
2. Touching and removing the WHITE wire to ground will advance the light to the next flash pattern. See flash pattern table. Continuing to touch and remove the WHITE wire to ground will allow you to scroll through the pattern list. After pattern #16 is reached the list will start over again at pattern #1.

Note: The PAR 36 is equipped with a flash pattern memory. Once you have selected a pattern, the light will alway activate to that pattern every time the unit is turned on. Tape and secure WHITE wire so that it will not accidentally change your selected pattern.

## SLAVE MODE

The PAR 36 is capable of being activated through the use of a user supplied flasher by putting it in slave mode.

1. Permanently connect the WHITE to a good, convenient ground.
2. Connect the RED wire, through a 5 Amp fuse, to the output of a +10-16Vdc switching flasher.



5/16"-18 Nut

5/16" Split Lockwasher

5/16"-18 x 2" Bolt

5/16"-18 x 1 1/2" Carriage Bolt

5/16" Split Lockwasher

"U" Bracket

5/16"-18 Nut

| CURRENT DRAW AT 12.8Vdc |
| --- |
| 1 Amp (All configs.) |

**WIRE HOOK-UP TABLE**

**Wire Color Connect to:**

| | |
| --- | --- |
| Red | +9-16Vdc |
| Black | Ground (-) |
| White | ID/Pattern Select |

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## PAR 36 Sync Configuration Instructions

1. Set ID#
   a. Identify which pattern and sequence you want and look up ID#s on table.
   b. Connections
      i. RED: +12Vdc
      ii. WHT: +12Vdc (Note: you will need to disconnect after power is applied)
      iii. BLK: Ground
   c. Apply power to unit
   d. Without disconnecting power from unit, disconnect WHT wire
   e. Momentarily connect WHT to Ground to change ID #
      i. Identify ID# by number of sequential flashes
      ii. Possible ID#s: 1 – 4
   f. Disconnect power from unit to get out of ID mode.
2. Set Pattern
   a. Reapply power to units.
   b. Once all Light Head ID#s are configured, make sure all lights are flashing the same pattern
   c. Connect corresponding colored wires of all units together: RED to RED, etc.
   d. Change Pattern
      i. Momentarily connect WHT wires to Ground
      ii. Observe pattern change on all lights connected
   e. Insulate all wires by taping with electrical tape
3. Connect Master Switch for Application
   a. **IMPORTANT!** Ensure WHT Pattern/Sync Wires are tied together

**FLASH PATTERNS for**
**PAR 36 (fpm=flashes/minute)**

| # | Pattern Name | 1 Light | Alternating 2 Lights | Simultaneous 2 Lights | X-Pattern 4 Lights | Flashes / Minute |
|---|---|---|---|---|---|---|
| 1 | Quint | X | X | X | - | 70 |
| 2 | Warp | X | X | X | - | 350 |
| 3 | Inter-Cycle Flash | X | X | - | - | |
| 4 | Double | X | X | X | - | 70 |
| 5 | Quad Flash | X | X | X | - | 80 |
| 6 | 3 FPS | X | X | X | - | 180 |
| 7 | 3 FPS | X | X | X | - | 180 |
| 8 | Q-Switch | X | X | - | - | |
| 9 | Warp, Steady Burn | X | X | - | - | 350 |
| 10 | Quad, Steady Burn | X | X | - | - | 80 |
| 11 | E-Pattern Single Flash | X | X | X | - | 230 |
| 12 | E-Pattern Double Flash | X | X | X | - | 125 |
| 13 | E-Pattern Single Flash | X | X | X | - | 230 |
| 14 | E-Pattern Double Flash | X | X | X | - | 155 |
| 15 | X-Warp | - | - | - | X | 350 |
| 16 | X-Double | - | - | - | X | 70 |

## 1LIGHT

Single Light Operation: Follow the ID Selection steps and set the light to ID#1 if it is not already. NOTE: Steady Burn is produced for patterns 9 & 10 in Single Operation.

## 2 LIGHTS

**ALTERNATING**: To obtain Alternating patterns, follow the ID SELECTION steps and set one light to ID#1 and the other to ID#3. Then proceed to the PATTERN SELECTION steps.

**SIMULTANEOUS**: To obtain Simultaneous patterns, follow the ID SELECTION steps and set both lights to ID#1. Then proceed to PATTERN SELECTION steps.

## 4 LIGHTS

**X-Pattern**: To obtain X-patterns, follow the ID SELECTION steps and set one of the four lights to ID#1, one to ID#2, one to ID#3, and one to ID#4. Then proceed to PATTERN SELECTION steps. NOTE: Be sure to mount each light in the correct placement based on ID#.

### X-Pattern Sequence

ID#1 > ID#4 > ID#2 > ID#3

### X-Pattern Light Head Placement

| ID#4 | ID#2 |
|---|---|
| ID#3 | ID#1 |