

# **Q<sup>®</sup> SERIES**

## **3-MODE TECHNOLOGY**

### **Q 90° ROTATING MOUNT**

QM-90



3-MODE



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# SAFETY REGULATIONS & WARRANTY

## Safety Regulations

The following provides all the information necessary to safely operate the previously listed products of Feniex Industries, Inc. Please read this manual thoroughly before installing or operating your new product in order to prevent any damage or injury. Failure to follow the listed instructions in this manual may result in damage to your products or personal injury.

- Proper installation of this product requires good knowledge of automotive systems, electronics and procedures.
- Please guarantee all vital components of the vehicle are not in danger of being damaged by drilling holes necessary for installation. Check all sides of the mounting surface before drilling any holes into the vehicle.
- Do not install this product in any way that interferes with the deployment of the air bag. Doing so may damage the effectiveness of the air bag and can lead to serious personal and vehicle injury. The installer will assume full responsibility of proper installation of the new unit.
- Please clean the mounting surface before installation of the unit when using tape, brackets, magnet, Velcro or suction cups.
- The product's ground wire must be connected directly to the Negative (-) battery post for effective use of the unit. Please follow all wiring guidelines provided to guarantee long lifespan and productivity. Failing to follow these instructions may result in damage to the product.

## Warranty

Feniex Industries, Inc. warrants to the original purchaser that all our products shall be free from defects in material and workmanship. Feniex Industries' speakers, sirens, rocker panels, AM600 Beacons, Torch Lights, Al lightbars, Al Cubes, AM900 Work Lights, 8.5" Dome Lights, Cargo Lights, flashlights, Remote Spot Lights, and controllers are warranted for 2 years from the manufacturing date. In addition, all other products are warranted for 5 years from the manufacturing date.

If a warranty problem occurs, please contact customer support at 1.800.615.8350 or visit the website at [www.feniex.com/support](http://www.feniex.com/support).

If the product needs to be returned for repair or replacement, call our customer support line to receive a return merchandise authorization number.

Operational times are from 9 a.m. to 6 p.m. central time, Monday through Friday. Please do not send in product without contacting support first for an RMA number.

## Service After Expiration

Feniex Industries will still provide service for all products after the expiration of the warranty. In some instances it may be necessary for the product to be shipped, freight prepaid, and insured for loss or damage to Feniex headquarters.

**Warning!** Utilizing non-factory screws and mounting brackets may result in loss of warranty coverage.

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## BOX CONTENTS

1x - Base

1x - Swivel Mount

1x - Lens

1x - 3-Mode Light Module

1x - Foam Pad

1x - Surface Mount Hardware Kit

2x - Screws

## SPECIFICATIONS

**DIMENSIONS** 5.25" x 2.31" x 1.44"

**WARRANTY** 5 Years

**VOLTAGE** 10-18VDC

**CURRENT** 1 Amp @ 13V

## WIRE HARNESS



15ft. 3 input wire harness with Ground wire and 1 pattern & 1 color wire

## WIRING GUIDE

### Setting Colors

1. Momentarily tap the blue wire to 12V- to cycle the pattern.
2. Momentarily tap the green wire to 12V+ to cycle the colors.

| WIRE                                                                                      | INPUT                |
|-------------------------------------------------------------------------------------------|----------------------|
|  Red     | 12V+, Input 1        |
|  Yellow  | 12V+, Input 2        |
|  White  | 12V+, Input 3        |
|  Green | 12V+, Color Change   |
|  Blue  | Ground, Sync/Pattern |
|  Black | Ground               |

## FLASH PATTERNS

### ■ Syncing Flash Patterns

1. Provide negative and positive to the desired modes of each module.

2. Hold the blue wires to Ground for 3-5 seconds to set the phase.

Master phase will flash red and slave phase will flash blue. All modules are required to be on the same phase for syncing flashing patterns.

3. Once the the phase has been set tap the blue wire to Ground to change to the desired flash pattern.

### ■ Alternating Flash Patterns

1. Provide negative and positive to the desired modes of each module.

2. Hold one of the blue wires to ground for 3-5 seconds to change the phase. Ensure the phase changing is the opposite of the its counterpart.

3. Ensure all modes of each module is on the same flash pattern before momentarily tapping the blue wires to ground to change flash patterns. At this moment the flash patterns should be flashing opposite from each other.

- |    |                |
|----|----------------|
| 1  | Single Slow    |
| 2  | Single Fast    |
| 3  | Single Combo   |
| 4  | Dual Slow      |
| 5  | Dual Fast      |
| 6  | Dual Combo     |
| 7  | Triple Slow    |
| 8  | Triple Fast    |
| 9  | Triple Combo   |
| 10 | Attack 1       |
| 11 | Attack 2       |
| 12 | Brake Pop      |
| 13 | Tail 10%       |
| 14 | Steady On 100% |

## ▲ LOCKING AND UNLOCKING PATTERN SELECT AND COLORS

Once both pattern and color is set to the desired settings for all 3 inputs, you can lock and unlock the color and pattern with the below instructions. This locking will disable the blue wire for color change and the green wire for pattern change. The blue wire can still be used to sync the modules once the locking is enabled.

### ■ Enabling Locking Features

1. Attach ground to the black wire.
2. Twist Input 1 (Red Wire), Input 2 (Yellow Wire), Input 3 (White Wire), and Color Change (Green wire) together. Then apply 12V+ to them for 10 seconds.
3. After 10 seconds you should see the module light up Amber. After the Amber light turns off the module is locked and the user cannot change pattern or color on all modes.
4. Remove 12V+ from the wires listed in Step 2, and untwist all of them.
5. The locked unit is now ready to use.

### ■ Disabling Locking Features

1. Attach ground to the black wire.
2. Twist Input 1 (Red Wire), Input 2 (Yellow Wire), Input 3 (White Wire), and Color Change (Green wire) together. Then apply 12V+ to them for 10 seconds.
3. After 10 seconds you should see the module light up White. After the White light turns off the module is unlocked and the user can now change pattern or color on all modes again.
4. Remove 12V+ from the wires listed in Step 2, and untwist all of them.
5. The unlocked unit is now ready to use.