



## **Rocket-X Series Lightstick**

### ***Installation and Configuration Instruction Manual***

***Please read the following instructions thoroughly and carefully. Improper installation of this equipment can result in you or your passengers sustaining serious injuries. DaMeGa Engineering always recommends installation by a certified installer to minimize any possible risk.***

## **SAFETY INSTRUCTIONS:**

**This document provides all the necessary information to allow your new product to be properly and safely installed.**

**Before beginning the installation and/or operation of your new product, the installation technician and operator must read the manual completely. Important information is contained herein and could prevent serious injury and damage.**

**Proper installation of this product requires the installer to have a thorough understanding of automotive electronics, systems and procedures.**

**Do not install this product or route any wires in the deployment area of your airbag. Equipment mounted or located in the airbag deployment area will damage or reduce the effectiveness of the airbag, or become a projectile that could cause serious personal injury or death. Refer to your vehicle owner manual for the airbag deployment area. The User/Installer assumes all responsibility to determine proper mounting location, based on providing ultimate safety to all passengers inside the vehicle.**

**If this product uses a remote device to activate or control this product, make sure that the control is located in an area that allows both vehicle and the control to operate safely in all driving conditions.**

**If mounting this product requires drilling holes, the installer must be sure that no vehicle components or other vital parts can be damaged by the drilling process. Check both sides of the mounting surface before drilling begins. Also de-burr any holes and remove any metal shards or remnants. Install grommets into all wire passage holes. Do not attempt to activate or control this device in a hazardous driving situation.**

**Use only soap and water to clean the outer lens. Use of other chemicals could result in premature lens cracking (crazing) and discoloration. Lenses in this condition have significantly reduced effectiveness and should be replaced immediately. Inspect and operate this product regularly to confirm its proper operation and mounting condition. Do not use a pressure washer to clean this product.**

**For this product to operate at optimum efficiency, a good electrical connection to chassis ground must be made. The recommended procedure requires the product ground wire to be connected directly to the Negative (-) battery post.**

**It is recommended that these instructions to be stored in a safe place and referred to when performing maintenance and/or reinstallation of this product.**

**FAILURE TO FOLLOW THESE SAFETY PRECAUTIONS AND INSTRUCTIONS COULD RESULT IN DAMAGE TO THE PRODUCT OR VEHICLE AND/OR SERIOUS INJURY TO YOU AND YOUR PASSENGERS!**

# Mounting Instructions:

The Rocket-X Series Light Sticks are designed to be exterior or interior mount. However, when routing the wires, be careful to choose a path that will keep the wires away from excessive heat or any vehicle equipment that could compromise the integrity of the wires (ex. trunk lids, door jams, etc.).

## A. Suction Cup Bracket (Included) Mounting:

1. Remove the two screws on the end cap of the bar. Do this for both sides.
2. Place the bracket over the end cap, making sure to line up the holes for the screws on both the bracket, and end cap.
3. Once lined up, re-insert the screws (that were removed during Step 1) through the bracket and into the end cap.
4. Angle the suction cups to the required angle. Then, tighten the screws to lock the bracket in place.

## B. Permanent Mounting (Parts not included):

1. Position the unit in its proposed mounting location. Draw a pencil line onto the mounting surface along the top and bottom of the extrusion and a “centerline” centered between the two.
2. Slide the carriage bolts into the track on the rear of the stick. Secure the bolts to the customer supplied bracket by threading the flat washer and elastic stop nut onto each carriage bolt and tightening them firmly.

# Flash Patterns:

FP1: Scan	FP10: Quint (Split)	FP19: Mega (All)
FP2: Outer-In Single	FP11: Mega (Split)	FP20: Ultra (All)
FP3: Outer-In Ultra	FP12: Ultra (Split)	FP21: Single-Quad (All)
FP4: Side-to-Side Single	FP13: Single-Quad (Split)	FP22: Single-H/L (All)
FP5: Side to Side Ultra	FP14: Single H/L (Split)	FP23: Steady Burn (2 Heads)
FP6: All (Cycles through All)	FP15: Single (All)	FP24: Steady Burn
FP7: Single (Split)	FP16: Double (All)	FP25: Left Chase
FP8: Double (Split)	FP17: Quad (All)	FP26: Right Chase
FP9: Quad (Split)	FP18: Quint (All)	

# Operation (Cigarette Plug)

Only applies to 2 and 4 head Rocket-X Light Sticks

1. Plug the unit’s cigarette plug into socket.
2. Turn power switch the ON position.
3. Select the unit’s pattern via the PATTERN SELECTOR switch.
4. To synchronize multiple units:
  - A. Use the PATTERN SELECTOR switch to select the desired pattern (Unit 1 will alternate with Unit 2).
  - B. Connect the two cigarette plugs with the supplied Sync Cable by plugging it into either of the Sync Jacks (located on the side of the cigarette plug assembly).
  - C. Power up both units. Units should be displaying a synchronized pattern.

## Operation (Hardwire Setup)

Only applies to 2 and 4 head Rocket-X Light Sticks

1. Remove the attached cigarette plug and locate the following colored wires:
  - A. Red – Positive Wire
  - B. Black – Ground Wire
  - C. White – Synchronization Wire
  - D. Yellow – Pattern Selector Wire
2. Power up the unit by connecting the RED wire to a 12 VDC source (fuse @1 amp/module), and BLACK to ground.
3. Select your desired pattern by applying momentary -12VDC to the YELLOW wire.
4. To synchronize multiple units:
  - A. Select your desired pattern by applying momentary + 12VDC to the YELLOW wire.
  - B. Connect the WHITE wires on both units together.
  - C. Power up both units. Units should be displaying a synchronized pattern.

## Operation (Traffic Advisor)

Only applies to 6 and 8 head Rocket-X Light Sticks

**RED:** Connect to a +12VDC. Fuse @ 1 AMP per module.

**BLACK:** Connect to ground point.

**BROWN:** Connect to +12VDC for Warning Patterns (Arrow Functions must be deactivated)

**ORANGE:** Connect to +12VDC for Left Arrow Pattern.

**BLUE:** Connect to +12VDC for Right Arrow Pattern.

**ORANGE+BLUE:** Connect to +12VDC for Center-Out Pattern.

**GREEN:** Connect to +12VDC for Super-Flash Pattern.

**YELLOW:** Connect momentarily to +12VDC to scroll through and select Flash Patterns.

**WHITE:** Not used. Cap/cover exposed wire.

## Operation (Chameleon)

Only applies to 6 and 8 head Rocket-X Chameleon Light Sticks

**RED:** Connect to a +12VDC. Fuse @ 1 AMP per module.

**BLACK:** Connect to ground point.

**BROWN:** Connect to +12VDC for Warning Patterns (Arrow Functions must be deactivated)

**ORANGE:** Connect to +12VDC for Left Arrow Pattern.

**BLUE:** Connect to +12VDC for Right Arrow Pattern.

**ORANGE+BLUE:** Connect to +12VDC for Center-Out Pattern.

**GREEN:** Connect to +12VDC to switch from primary color to secondary color

**YELLOW:** Connect momentarily to +12VDC to scroll through and select Flash Patterns.

**WHITE:** only used when connected to DaMeGa 6 button switch panel