



# STL<sup>®</sup> SpeedTech Lights<sup>®</sup>

*Lighting The Way<sup>®</sup>*

2809 Business Park Dr • Buda • TX • 78610

**Phone** 800.757.2581 • **Fax** 844.894.2652 • **Email** customerservice@speedtechlights.com

## STL Road Flare

### Operation Manual and Instructions

Congratulations, you are the owner of a STL Road Flare! Your Road Flare is equipped with the latest technology and features at the best value found industry wide, GUARANTEED. In addition to that, your purchase comes with the STL 1 year warranty against any manufacturer defects that may occur with your Switch Box. So please read this document carefully and call Customer Service at 800-757-2581 Monday - Friday 8:30 AM - 4:30 PM central time if you need assistance. We are available and happy to help!

### Warnings and Notices for Users and Installers

This document must be delivered to and read by the end user and installer as it serves to provide you with the required information for proper and safe use of your STL product. Before operating this or any STL products the user and installer must read this manual all the way through. You will find important information in this manual that could prevent property damage and/or serious injury to the user and installer.

STL products are intended to alert pedestrians and other operators of the presence of personnel, the operation of emergency vehicles, an emergency site, and any warning needs. This does not ensure that pedestrians or drivers will react, heed, or observe emergency warning signals. Nor does the use of emergency signals grant or ensure you the right of way. It is your responsibility to make sure you can proceed safely before driving against traffic, entering an intersection, responding at a high rate of speed, or walking on or around traffic lanes.

Your STL emergency vehicle devices should be tested daily to ensure the device and all its functions are operating correctly. If you experience a malfunction contact STL's Customer Service immediately for troubleshooting options, or a warranty or service claim. You must ensure sure that the projection of the visual and audible signal is not blocked by vehicle components (i.e.: open trunks, visors, compartment doors), vehicles, other obstructions, or people.

This is professional grade equipment and is intended for strict use by authorized personnel only. It is the user's responsibility to understand and obey all laws regarding emergency warning devices. You must know and be familiar with all applicable city, state, and federal laws and regulations prior to the use of emergency vehicle warning devices.

SpeedTech Lights, Inc. assumes no liability for any loss resulting from the use of this warning device. Proper installation is vital to the performance of the warning devices and safe operation of the emergency vehicle. Since the operator is under stressful environments the equipment must be properly wired and mounted to ensure effectiveness and safety. Therefore controllers must be properly installed and placed within convenient reach of the operator so eye contact with the roadway is never lost.

The effectiveness of your STL equipment is highly dependent upon correct mounting and wiring. Improper wiring and mounting of the warning device will reduce the output and performance of the equipment. Emergency warning devices frequently require high electrical voltages and/or currents. Properly protect and use caution around live electrical connections. Grounding or shorting of electrical connections can cause high current arcing, which can cause severe personal injury and/or serious vehicle damage, including fire.

Electromagnetic interference can be caused by many electronic devices used in emergency vehicles. To ensure that this doesn't happen to you, lightbars should be mounted a minimum of 12" - 34" from the radio antenna and do not power your equipment from the same circuit or share the same grounding circuit with radio communication equipment. After installation, test all the vehicle's equipment together to ensure everything operates free of interference.

Driver and/or passenger airbags bags (SRS) will impact the way you mount your equipment. Any equipment installed in the deployment area of the airbags will damage or dislodge the airbags and sensors. This will also reduce the effectiveness of the airbags to protect the passengers and therefore these areas must be avoided. Installers must make sure that this equipment along with any parts, hardware, wiring, power supplies, and switch boxes do not interfere with the airbags, SRS wiring, or sensors.

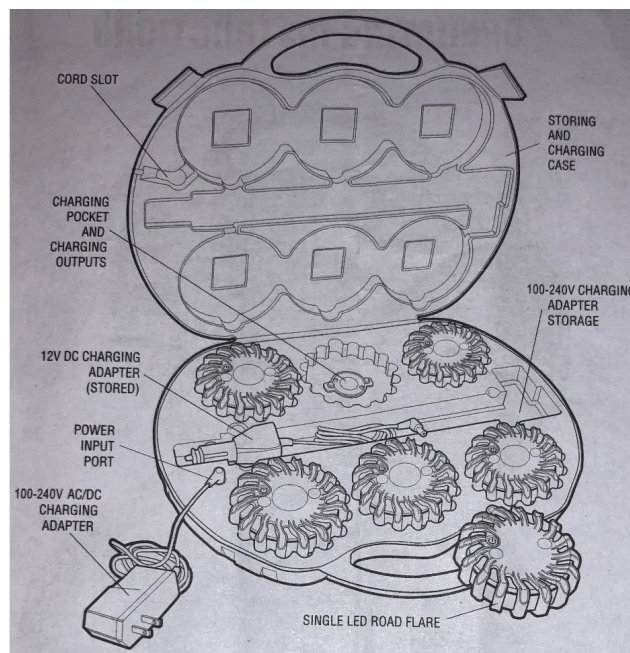
# ROAD FLARE

All STL equipment needs to be mounted and installed according to the vehicle manufacturer's instructions and securely attached to a part of the vehicle of sufficient strength to withstand the forces applied by the equipment. This device should be permanently mounted within the zones specified by the vehicle manufacturer. This especially applies to equipment mounted on the exterior of the vehicle to avoid dislodging. Mounting units on the interior of the vehicle by a method other than permanent mount is discouraged as it may become detached under aggressive driving conditions such as sudden braking, collision, or swerving.

**PROPER INSTALLATION COMBINED WITH OPERATOR TRAINING IN THE PROPER USE OF EMERGENCY WARNING DEVICES IS ESSENTIAL TO ENSURE THE SAFETY OF EMERGENCY PERSONNEL AND THE PUBLIC.**

## Unpacking Your STL Product

- Unpack your unit to identify all parts including but not limited to: switch box, brackets, screws, bolts, wiring harness, fuses, etc.
- Some parts may be in small bags.
- Some products may be packaged inside boxes of other products.
- Some parts such as Gutter Brackets, may be in the foam protection. Double check that no parts are left within the foam protection or left in the box.



## Pre-Installation and Testing

BENCH TEST all units prior to installation by connecting the Positive Cable (Red) and Negative Cable (Black) to a power source to ensure all the features and parts of the Switch Box are functional.

If you have trouble call Customer Service at 800-757-2581 before proceeding.

## Operation

Press the On/Off button to power On.

Press and hold On/Off button down for 2 seconds to power Off.

Press the On/Off button on each flare to rotate through the below 12 patterns:

1. Rotate (12 hour run time)	8. SOS Rescue (Morse Code) (20 hour run time)
2. Quad Flash (12 hour run time)	9. Steady Burn High (8 hour run time)
3. Quad Alternating Flash (12 hour run time)	10. Steady Burn Low (50 hour run time)
4. 1.3.5.7 LED Flash (12 hour run time)	11. 2 LED Flashlight (12 hour run time)
5. 2.4.6.8 LED Flash (12 hour run time)	12. 4 LED Flashlight (8 hour run time)
6. Single Blink (120 hour run time)	13. Off
7. Alternating Blinks (12 hour run time)	

## Charging

1. Place 1-6 flares into the pockets in the charging case with the magnet facing down and lining up the silver charging guide inputs over the outputs. Charge time for 1-3 flares is 2-6 hours. Charge time for all 6 flares is 12-14 hours. Will store full charge for 90 days.
2. Depending on your application, plug male end of the wall charger or the car charger into the power input port in the charging case.
3. Plug the wall or car charger in.
  - Red Light on Power Adapter: Successfully plugged in to power
  - Green/Yellow Light on Charge Case: Charge in progress. Light will go from Green to Yellow during charging
  - Red Light on Charge Case: Fully charged

All rights reserved. No part of this Operations Manual and Instructions may be reproduced, distributed, transmitted, or otherwise shared in any form or by any means, including but not limited to photocopying, recording, electronic delivery, .pdf reproduction, or any other means of reproducing all or any part hereof without the express prior written consent of the SpeedTech Lights, Inc., except for non-commercial purposes as permitted by United States copyright law. Customers of SpeedTech Lights, Inc., may download and print this Operations Manual and Instructions for use with products sold to the customer by SpeedTech Lights, Inc. However, no part of the Operations Manual and Instructions may be otherwise or subsequently reproduced, downloaded, disseminated, published, or transferred, in any form or by any means, except with the prior written consent of SpeedTech Lights, Inc.