



# ADVANCED PEDESTRIAN ALERT SYSTEM

AN INTELLIGENT WARNING SYSTEM FOR PEDESTRIANS

Powered By: Mobileye® Shield+™

P/N: APAS1000

OFFICIAL MOBILEYE PARTNER

The Rosco® Advanced Pedestrian Alert System™ integrates with the Mobileye® Shield+™ Collision Avoidance System to provide an external warning to Vulnerable Road Users (VRUs) around the vehicle when there is a risk for collision. Rosco's APAS™ solves the issue of noise pollution that other exterior warning systems create with an intelligent system that will only alert when a VRU is in danger of a collision with the vehicle.

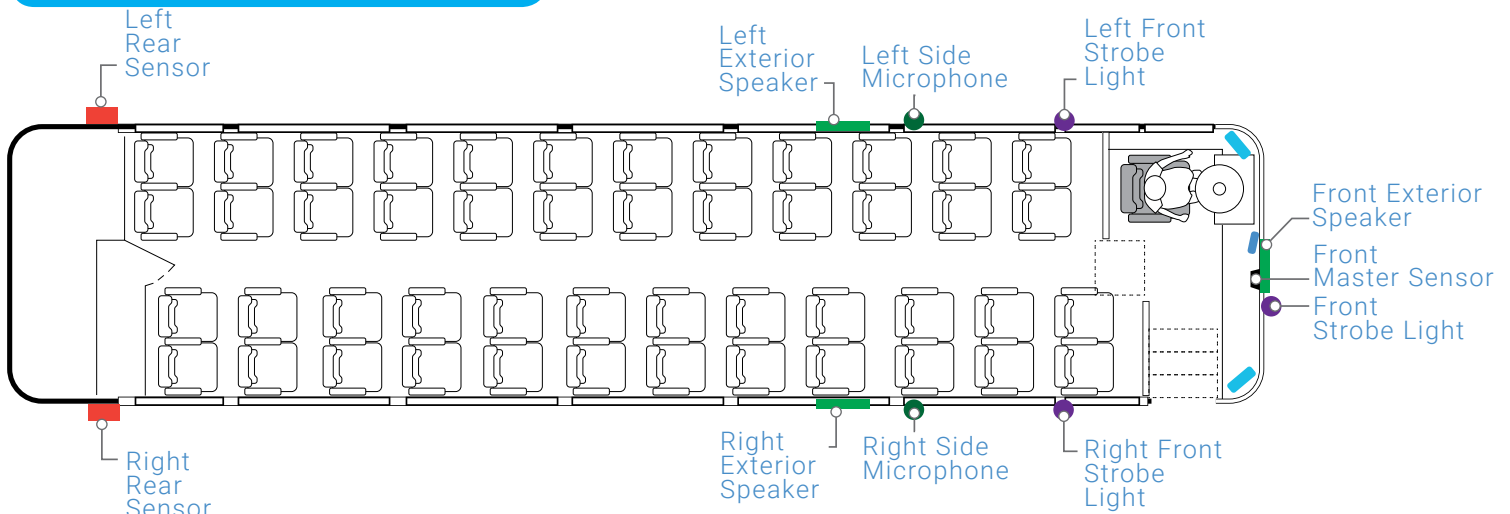


## EXTERIOR ALERT SYSTEM

### SYSTEM FEATURES

- Broadcasts exterior audible alerts to pedestrians and cyclists to prevent collisions
  - Integrates to Mobileye Shield+ System
  - 3 exterior speakers: audible in loud traffic
  - Multiple levels of detection based on proximity and risk to collision
  - Produces warnings/alerts based on the following conditions:
    - Shield+ Detection
    - Turning Rate
    - Speed & Yaw
- Intelligent volume control w/ ambient noise detection
  - Designed to adjust output volume depending on noise in external environments
  - System will be louder in noisier environments, quieter in suburban environments
  - System volume can also be manually adjusted
- Add on Feature: Broadcasts exterior visual alerts to pedestrians
  - Synchronized to audible alerts
  - Designed to alert hearing impaired or distracted pedestrians (Headphones/cellphone use, etc)
- Outputs:
  - 3 Speaker outputs to Rosco provided speakers: Left, center, right
  - 3 Line-level outputs for integration into existing vehicle exterior speaker system: Left, center, right

## APAS SYSTEM LAYOUT



Left and right speakers are mounted flush on each side of the bus. Center speaker is mounted flush at the front of the bus. Speakers can be loudly heard up to 100 ft away.



ROSCO COLLISION AVOIDANCE, INC.  
**A CENTURY OF AUTOMOTIVE VISION SAFETY**  
 90-21 144th Place, Jamaica, New York 11435  
 T: (718) 408-7388 E: info@Rosco-adas.com  
 www.Rosco-adas.com



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To purchase products, call 718.408.7388 or  
 email: info@rosco-adas.com

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