



LAMPHUS® SoundAlert™ SASN01

100W Siren Amplifier w/ PTT Microphone

SKU: PSZAUDSRN001-Rev.1

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DANGER!

Sirens are designed to produce extremely loud emergency warning tones! Exposure to the tones produced without proper and adequate hearing protections, could lead to ear damage and/or hearing loss! The Occupational Safety & Health Administration (www.osha.gov) provides information necessary to determine safe exposure times in Occupational Noise Exposure Section 1910.95. The operators of the siren and any one in the immediate vicinity of the siren should be required to wear an approved hearing protection device until one has determined the safe exposure times for your specific application. **FAILURE TO FOLLOW THIS RECOMMENDATION COULD CAUSE HEARING LOSS!**








IMPORTANT: READ CAREFULLY BEFORE ASSEMBLY AND USE.

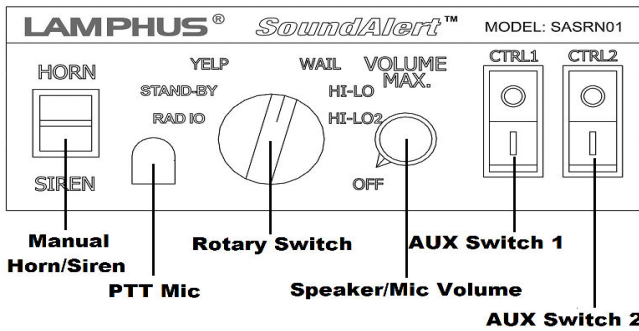
- Installer of this product must have a good understanding of automotive electronics, systems, and procedures.
- In the case that holes must be drilled in order to properly mount the product, the installer must examine both sides of the mounting surface before drilling begins. It is the installer's responsibility to be sure that no vehicle components or vital parts could be damaged by the drilling process. De-burr any holes in order to remove metal shards and remnants. Use grommets in all wire passage holes.
- If this manual states that this product may be mounted with suction cups, magnets, tape, or Velcro®, clean the mounting surface and dry thoroughly prior to applying any adhesives for maximum adhesion.
- Do not attempt to activate or operate this product under hazardous driving situations.
- Deployment area of the vehicle air bags must be cleared. Do not install this product or route any electrical wires near the air bags deployment areas. Refer to your vehicle owner's manual for the air bag deployment area. Products or wires mounted in the air bag deployment area will damage, reduce the effectiveness of the air bag, or even act as a projectile which may cause serious injury or death. The user/installer of this product assumes full responsibility in determining the proper mounting location while prioritizing the safety of all passengers in the vehicle.



Contents:

	Siren w/ PTT Mic.	1
	Bail Strap Bracket	1
	Wiring Bundle	1
	Wiring for Horn/Radio	1
	Microphone Clip	1
Mounting Accessories		1
Fuse(s)		1

Front Panel:



Functions:

Manual Horn/Siren

This switch has two positions. Down – Siren & Up – Horn. The siren and horn warning tone could be activated manually by engaging the switch to the positions. Horn function can also be activated with the vehicle horn relay by connecting the horn/radio wire of the siren unit to the horn relay of the automobile. (see wiring diagram)

PTT Mic

Push to talk microphone which overrides any activated warning tone when in use.

Rotary Switch

The rotary knob controls siren functions. There are 5 positions that may be selected. (see switch functions below for detail)

Speaker/Mic Volume

The volume knob controls the volume of siren and public address function. Rotating the knob clockwise will increase the volume. Rotating the knob counter-clockwise will decrease the volume. Rotating the knob to minimal volume will disable all siren functions.

Aux Switch 1 & 2

The auxiliary switches are meant to be used to power other equipment on the vehicle. Each auxiliary switch is fused with a 20 amp AGC fuse.

Switch Functions:

Radio

With the rotary knob set to this function, the radio function would be activated. Any signal that is received by the vehicle's two-way radio will be broadcasted over the connected speaker. (the siren must be connected to the two-way radio as outlined in wiring section of this manual)

Stand-by

With the rotary knob set to this function, the siren will be in stand-by. Manual Horn/Siren and PTT Mic functions are enabled during stand-by.

Yelp

With the rotary knob set to this function, the yelp siren warning tone will be activated.

Wail

With the rotary knob set to this function, the wail siren warning tone will be activated.

Hi-Lo

With the rotary knob set to this function, the hi-lo siren warning tone will be activated.

Hi-Lo 2

With the rotary knob set to this function, the hi-lo 2 siren warning tone will be activated.

Mounting:

The siren is designed to be mounted directly onto the dash or any other surface around the driver's vicinity using the included bail-strap mounting bracket. The siren unit can also be mounted into the vehicle's console when vehicle is equipped with such a compartment.

WARNING! Make sure NOT to mount the siren in the deployment of any air bag. Refer to the air bag warning on the first page of this manual.

CAUTION! Permanent mounting of this product will require drilling. It is absolutely necessary to make sure that no other vehicle components could be damaged by this process. Check both sides of the mounting surface before starting. If damage is likely, select a different mounting location.

Bail-strap mount:

1. Position the bail strap against the desired mounting location.
2. Scribe the area where the mounting holes would be drilled.
3. Proceed to drilling of the surface for the mounting screws. Make sure no vehicle component could be damaged during this process.
4. Secure the bail strap to the mounting surface with the included screws.
5. Secure the siren unit to the bail strap using the included screws and washer. Refer to mounting diagram.

Microphone Clip:

1. Position the microphone clip against the desired mounting location.
2. Make sure there microphone clip is not placed too far away from where the siren unit will be mounted.
3. Scribe the area where the mounting holes would be drilled.
4. Proceed to drilling of the surface for the mounting screw. Make sure no vehicle component could be damaged during this process.
5. Secure the microphone clip to the mounting surface with the included screws.

Wiring:

WARNING! All customer supplied wires that connect to the positive terminal of the battery must be sized to supply at least 125% of the maximum operating current and **FUSED** at the battery to carry that load. **DO NOT USE CIRCUIT BREAKERS WITH THIS PRODUCT!**

RED – To 12/24V Power Source

BLACK – To Chassis Ground

YELLOW – To optional equipment 1

BLUE – To optional equipment 2

GREEN 1 – To speaker

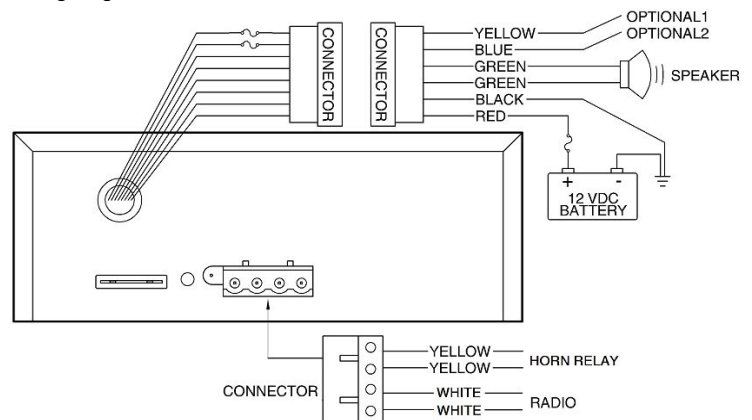
GREEN 2 – To speaker

Optional Connections:

Horn Connector (yellow) – Connect the unit in-line between the horn button and horn relay with the outer yellow wire connected to the horn button, and the inner yellow wire connected to the horn relay.

Radio Connector (white) – Connect the unit in-line between one of the radio's output wire. The unit will broadcast the radio in mono sound type. Should only be spliced into one of the output wires (left or right).

Wiring Diagram:



Specifications:

- Input Voltage: 12/24 VDC +/- 20%
- Input Current: 12 AMSP Max.
- Input Fuse: 15 AMPS
- Speaker Impedance: 8 OHMS Min.
- Output Power: @ 12 VDC @ 8 OHMS 100 WATTS Max.