CARSON SIRENS

POLICE, AMBULANCE & FIRE RESCUE

TOUGH TO THE CORE
Rugged & Reliable...It must be a Carson!

Carson is the sound choice for emergency vehicle sirens, electronic air horns, speakers and switch boxes. We manufacture rugged, reliable, customer-driven products backed by one-to-one service and a 5 year no-hassle warranty. Carson is a sound performer in an industry driven by the need for consistent results.

Today’s Carson audible warning products are built on a legacy that started in 1972 when Jerry Smith, the inventor of the original electronic siren, came to Carson to develop a new line of sirens for the emergency vehicle industry. His rugged, reliable designs laid the foundation for the SA siren line, our premium siren amplifier that all others are measured against.

In 2002, after 30 years of manufacturing sirens behind the scenes for several industry-leading name brands, the Carson brand was born. With this change came the development of a new generation of premium products for law enforcement, ambulance/EMS, volunteer and fire rescue vehicles labeled under the Carson name. While our competition spreads their efforts over several product lines, we continue to focus on what we do best — sirens and audible warning equipment. This approach enhances our development of more innovative customer-driven products and offers a better price-to-value relationship for our customers.

Company History

Carson Manufacturing was started in 1946 by Harold Carson and remains solely owned and operated by the Carson family as a Woman-owned Business Enterprise (WBE Certified). For over 71 years, Carson has built its reputation on designing, manufacturing, and marketing rugged, reliable mechanical and electronic components and products for the emergency vehicle, HVAC, and government elections industries. We continue to promote and expand our contract manufacturing partnerships to other industries utilizing our spacious 47,000 square foot manufacturing facility, highly skilled workforce, and more than half a century of manufacturing experience. We employ LEAN practices and have UL and CSA recognized products. All Carson products are proudly Made in the U.S.A.

To learn more about Carson’s contract manufacturing services, please contact us at 888.577.6877 or visit our website at www.carson-mfg.com.
The SC-409 Commander combines advanced technology and full emergency warning system control with premium style and design. The Commander incorporates superior functional versatility with face programmable and dip switch selectable options to control virtually all emergency lighting and auxiliary equipment including multiple gun locks and video camera systems.

- **Rugged** 100/200 watt electronic siren amplifier with light controls
- **Pursuit ready** four position slide switch with the flexibility to be progressive, non-progressive, or partially progressive; and to activate or deactivate the auxiliary switches; up to 60 amps total
- **Video trigger** capability that signals the video camera system to record when the lever switch or selected auxiliary switches are activated
- **Face programmable** auxiliary switches for on/off, on/off with video trigger, momentary, and 10 or 20 second timed momentary all through 6 outputs with up to 80 amps of total auxiliary control
- **Reliable** six position rotary switch features Radio-Repeat, Wail, Yelp, and Phaser or optional Two-Tone/HiLo siren tones with push-button override for Manual and Air Horn
- **Output diagnostics** built-in to alert the user of problems
- **Splash resistant** rubberized face with built-in membrane push-button switches and liquid repelling actuator flanges
- **Hands-free Horn Ring Cycler 2 (HRC2)** enables siren tone selection through the horn ring for pursuit or rescue situations
- **Automatic Siren Cutout** disables the siren when the driver’s door opens
- **Noise canceling microphone** with P.A. override and volume control
- **LED backlit** for nighttime visibility with auxiliary switches that change color when activated
- **Dip switch programmable** options allow siren to be customized for each installation
- **Detachable** microphone option (DM) also available
The SA-500M Cruiser Mechanical siren is the smallest full featured Mechanical tone siren on the market today. With its authentic Mechanical tone and replica “Stutter” Air Horn, the Cruiser Mechanical creates the perception of a large emergency vehicle approaching causing drivers to instinctively pull over. This effectiveness at clearing traffic is key to helping reduce call response time, emergency vehicle near-misses, accidents, and injuries when en route to calls.

- **Rugged** 100/200 watt amplifier
- **Reliable** four position rotary switch features Radio-Repeat, Wail, Yelp, Phaser or optional Two-Tone/HiLo, and Mechanical siren tones with push-button override for Manual and “Stutter” Air Horn
- **Dip switch programmable** options allow siren to be customized for each installation
- **Carson “Stutter” Air Horn** provides that distinctive “Big Engine” air horn sound without the need for bulky air tanks and compressors
- **Output indicator light** for diagnostics
- **Hands-free Horn Ring Cycler 2 (HRC2)** enables siren tone selection through the horn ring for pursuit or rescue situations
- **Noise canceling** microphone with P.A. override
- **Face accessible** Radio and P.A. volume controls
- **LED backlighting** for nighttime visibility
- **Automatic Siren Cutout** disables the siren when the driver’s door opens
- **Detachable plug connector** with screw-down terminals
- **28 volt** option also available

The SC-407 Enforcer is an affordable, full-featured light control siren specifically designed for applications where console space is at a premium. Standing at 2 ¾” high, the reliable Enforcer combines 200 watts of siren output and 140 total amps of light control capacity in one efficiently sized unit. Oversized, simple-to-operate controls provide easy use even in the most demanding driving situations.

- **Rugged** 100/200 watt electronic siren amplifier with 140 amps of total light control
- **Pursuit Lever/Slide** Switch configured for progressive activation of lights, the four position lever/slide switch provides pursuit ready control of the vehicle’s primary lights and optional siren wail in the last position
- **Output Diagnostics Indicator** senses the siren output connector measure when the siren is creating an output to the speaker(s) and indicates the status on the face using an LED light. This provided the service person with the ability to determine if the problem is internal with the siren or external with the wiring and speaker(s) should the system fail
- **DIP Switch Programmable** options allow siren to be customized for each installation
- **Hands-free Horn Ring Cycler 2 (HRC2)** enables siren tone selection through the horn ring for pursuit or rescue situations
- **Simple, Secure Wiring and Connections** for detachable plug with screwdown terminals for the siren connections and leads for secure splicing to connect to the light switches
- **Automatic Siren Cutout** disables the siren when the driver’s door opens
- **Blue LED backlighting** for nighttime visibility
The SA-400M Classic Mechanical is aptly named. Building on the foundation of the “industry standard” SA-400 Classic, this next generation siren combines the rugged dependability of its predecessor with a classic Mechanical tone, powerful, Carson “Stutter” Air Horn and distinctive silver look. The result...a premium siren that effectively clears intersections by delivering that “Big Engine” sound that makes drivers instinctively pull over.

- **Rugged** 100/200 watt amplifier
- **Reliable** six position rotary switch features Radio-Repeat, Wail, Yelp, Phaser or optional Two-Tone/HiLo sound and Air Horn
- **Dip switch programmable** options allow siren to be customized for each installation
- **Output indicator light** for diagnostics
- **Hands-free Horn Ring Cycler 2 (HRC2)** enables siren tone selection through the horn ring for pursuit or rescue situations
- **Noise canceling** microphone with P.A. override
- **Face accessible** Radio and P.A. volume controls
- **Automatic Siren Cutout** disables the siren when the driver’s door opens
- **LED backlit** for nighttime visibility
- **Detachable plug connector** with screw-down terminals for easy installation and service
- **28 volt** option also available

The SA-500 Cruiser is one of the most efficient, rugged, reliable, and functional sirens on the market today. And at only 2 ¼” high, the Cruiser is also one of the smallest! This self-contained siren easily fits into the dash or console of any emergency vehicle using significantly less space and leaving plenty of room for other equipment.

- **Rugged** 100/200 watt amplifier
- **Reliable** four position rotary switch features Radio-Repeat, Wail and Yelp siren tones with push-button override for Manual and Phaser or optional Two-Tone/HiLo sound and Air Horn
- **Dip switch programmable** options allow siren to be customized for each installation
- **Output indicator light** for diagnostics
- **Hands-free Horn Ring Cycler 2 (HRC2)** enables siren tone selection through the horn ring for pursuit or rescue situations
- **Noise canceling** microphone with P.A. override
- **Face accessible** Radio and P.A. volume controls
- **Automatic Siren Cutout** disables the siren when the driver’s door opens
- **LED backlit** for nighttime visibility
- **Detachable plug connector** with screw-down terminals for easy installation and service
- **28 volt** option also available

SA-400M
Classic Mechanical

SA-500
Cruiser
With over 40 years of history as the industry’s “workhorse”, the SA-400 Classic has justly earned its reputation as one tough siren. Longevity and reliable service are the hallmarks of this timeless veteran. The Classic’s rugged design has been, and continues to be, the standard against which all other sirens are measured.

• Rugged 100/200 watt amplifier
• Reliable six position rotary switch features Radio-Repeat, Wail, Yelp, and Phaser or optional Two-Tone/HiLo siren tones with push-button override for Manual and Air Horn
• Dip switch programmable options allow siren to be customized for each installation
• Splash resistant face protects internal circuitry from liquids
• Hands-free Horn Ring Cycler 2 (HRC2) enables siren tone selection through the horn ring for pursuit or rescue situations
• Noise canceling microphone with P.A. override and volume control
• LED backlit for nighttime visibility
• Additional options include detachable microphone (DM) and 28 volt unit

Simplicity is the key to the SA-365 Defender. Simple to install, simple to operate and simple to afford! This basic, straightforward design is matched only by its rugged durability and reliable performance. This unit is small, but still had the popular features and functionality that makes it an industry leader. It has been engineered with a reduced internal electronics footprint, resulting in a significantly smaller console. This makes it an ideal choice for law enforcement, security and volunteer firefighter applications where mounting space is limited.

• Compact 100 watt amplifier
• Reliable three position rocker switches feature Wail, Yelp, and Phaser, or optional Two-Tone/HiLo siren tones
• with Manual and Air Horn override
• DIP switch programmable options allow siren to be customized for each installation
• Instant-On provides automatic power when a siren function is selected
• Output indicator light for diagnostics
• Hands-free Horn Ring Cycler 2 (HRC2) enables siren tone selection through the horn ring for pursuit or rescue situations
The SC-411RD-10 14 Elite Force remote dual tone siren is one in a series of sirens developed for smaller spaces with the same options as a full console unit. This new remote siren introduces the new QuickClone® duplication technology making it easy to transfer option settings from one unit to another without the need for an external computer, ideal for fleet installations.

- **Dual Tone**: Just like having two sirens going at the same time. And with two distinct tones being produced at the same time, it really captures your attention.
- **Patented Video Trigger Output**: A dedicated line to a video system that signals it to record when the lever switch or selected auxiliary switches are activated.
- **Face Programmability**: All options are programmed using the lever switch and buttons on the control head in a special programming mode.
- **Face Diagnostic Indicators**: Each light and siren output is individually protected with externally exposed fuses and have independent diagnostic sensors at the connectors that display the status of each output on the face of the unit.
- **Adjustable Backlighting**
- **Noise canceling** microphone with P.A. override and volume control
- **Hands-free Horn Ring Cycler 2 (HRC2)** enables siren tone selection through the horn ring for pursuit or rescue situations
- **Automatic Siren Cutout** disables the siren when the driver’s door opens
- **Field replaceable** slide switch

The SC-411RS-10 14 Elite Force single tone siren is one in a series of sirens developed for smaller spaces with the same options as a full console unit. This new remote siren introduces the new QuickClone® duplication technology making it easy to transfer option settings from one unit to another without the need for an external computer, ideal for fleet installations.

- **Patented Video Trigger Output**: A dedicated line to a video system that signals it to record when the lever switch or selected auxiliary switches are activated.
- **Face Programmability**: All options are programmed using the lever switch and buttons on the control head in a special programming mode.
- **FaceDiagnostic Indicators**: Each light and siren output is individually protected with externally exposed fuses and have independent diagnostic sensors at the connectors that display the status of each output on the face of the unit.
- **Adjustable Backlighting**
- **Splash Resistant Rubberized Face**
- **Noise canceling** microphone with P.A. override and volume control
- **Hands-free Horn Ring Cycler 2 (HRC2)** enables siren tone selection through the horn ring for pursuit or rescue situations
- **Automatic Siren Cutout** disables the siren when the driver’s door opens
- **Field replaceable** slide switch
The SA-441 MagForce Mechanical takes warning sound performance to the next level by combining a classic Mechanical tone and Carson “Stutter” Air Horn with the power of an independent 2 channel, 200 watt amplifier. The dual tone feature of this siren creates alternating sweeps of sound giving the perception of two sirens operating at the same time for maximum clearing power. The SA-441M is also an effective alternative to costly mechanical sirens and air horns that are traditionally installed on fire rescue apparatus.

- **Rugged** 200 watt, 2 channel amplifier with remote control head
- **Reliable** six position rotary switch features Radio-Repeat, Wail, Yelp, Phaser or optional Two-Tone/HiLo, and Mechanical siren tones with push-button override for Manual and “Stutter” Air Horn
- **Dip switch programmable** options allow siren to be customized for each installation
- **Carson “Stutter” Air Horn** provides that distinctive “Big Engine” air horn sound without the need for bulky air tanks and compressors
- **Dual Tone Mode** produces two distinct tones operating at the same time i.e. Mechanical and Yelp
- **Noise canceling** microphone with P.A. override and volume control
- **Hands-free Horn Ring Cycler 2 (HRC2)** enables siren tone selection through the horn ring for pursuit or rescue situations
- **LED backlit** for nighttime visibility
- **Extended microphone** option (FX) also available

As the original dual tone siren, the SA-441 MagForce is like having two sirens in one. Its independent 2 channel amplifier produces 200 watts of traffic clearing output through two distinct tones being produced at the same time. No other electronic siren is as powerful or is as attention grabbing as the Magforce.

With the onset of improved sound resistant driver compartments, increased driver distractions, and louder more high-fidelity car stereos, many first responders have found that the increased output capacity of this true 200 watt siren is significantly more effective in gaining drivers’ attention and clearing traffic.

- **Rugged** 200 watt, 2 channel amplifier with remote control head
- **Reliable** six position rotary switch features Radio-Repeat, Wail, Yelp, and Phaser or optional Two-Tone/HiLo siren tones with push-button override for Manual and Air Horn
- **Dip switch programmable** options allow siren to be customized for each installation
- **Dual Tone Mode** produces two distinct tones operating at the same time i.e. Wail and Yelp
- **Noise canceling** microphone with P.A. override and volume control
- **Hands-free Horn Ring Cycler 2 (HRC2)** enables siren tone selection through the horn ring for pursuit or rescue situations
- **LED backlit** for nighttime visibility
- **Extended microphone** option (FX) also available
The SA-430 Patriot Mechanical is small in stature, but big in traffic clearing power! This truly unique siren offers the versatility of a compact, easy-to-install, flush mount control head with the strength of the Carson “Stutter” Air Horn and dedicated Mechanical siren tone. Designed to address the space constraints of today’s emergency vehicles, the SA-430M Patriot Mechanical’s control head is just 1” in depth offering minimal intrusion into factory or custom made dashes or consoles.

- **Rugged** 100/200 watt amplifier with remote control head
- **Reliable** six position rotary switch features Radio-Repeat, Wail, Yelp, Phaser or optional Two-Tone/HiLo siren tones with push-button override for Manual and “Stutter” Air Horn
- **Dip switch programmable** options allow siren to be customized for each installation
- **Carson “Stutter” Air Horn** provides that distinctive “Big Engine” air horn sound without the need for bulky air tanks and compressors
- **Space saving** 1” deep control head design is easy to install in minimum clearance areas with only a single 22 AWG serial data line connected to the amplifier
- **Noise canceling** microphone with P.A. override and volume control
- **Hands-free Horn Ring Cycler 2 (HRC2)** enables siren tone selection through the horn ring for pursuit or rescue situations
- **Automatic Siren Cutout** disables the siren when the driver’s door opens
- **LED backlight** for nighttime visibility
- **Extended microphone** option (FX) also available

The SA-430 Patriot full featured remote siren is a strong, effective traffic mover. Its versatility and durability make it ideal for installations where mounting space is limited and consistent performance is a must. The Patriot is designed to power one or two 100 watt speakers and features a space saving control head that protrudes just 1” into the mounting space.

- **Rugged** 100/200 watt amplifier with remote control head
- **Reliable** six position rotary switch features Radio-Repeat, Wail, Yelp, and Phaser or optional Two-Tone/HiLo siren tones with push-button override for Manual and Air Horn
- **Dip switch programmable** options allow siren to be customized for each installation
- **Space saving** 1” deep control head design is easy to install in minimum clearance areas with only a single 22 AWG serial data line connected to the amplifier
- **Noise canceling** microphone with P.A. override and volume control
- **Hands-free Horn Ring Cycler 2 (HRC2)** enables siren tone selection through the horn ring for pursuit or rescue situations
- **Automatic Siren Cutout** disables the siren when the driver’s door opens
- **LED backdrop** for nighttime visibility
- **Extended microphone** option (FX) also available
The SC-1012 Volunteer remote, 100 watt siren with light controls was designed specifically to meet the needs of volunteer firefighters. Its compact size is ideal for any volunteer POV, offering increased flexibility in the placement of the remote control head and amplifier. The SC-1012 might be small, but it will transform any POV into a “Big Engine” with its powerful Mechanical tone and safe, effective traffic clearing ability.

- **Compact** 100 watt amplifier with light controls and remote switch panel
- **Reliable** three position rocker switches feature Wail, Yelp, Phaser or optional Two-Tone/HiLo, Mechanical, Manual and Air Horn siren tones
- **Illuminated** rocker switches (2) provide up to 20 amp capacity auxiliary light control
- **Mechanical Tone**: Deep, gutsy and authentic, this powerful tone gives you that “Big Engine” sound to effectively clear traffic
- **Dip switch programmable** options allow siren to be customized for each installation
- **Hands-free Horn Ring Cycler 2 (HRC2)** enables siren tone selection through the horn ring for pursuit or rescue situations

The SA-361 Defender combines simple operation, reliable performance and full-featured siren options. Size and user-friendly serviceability were the motivating factors in the redevelopment of this industry favorite. These key factors were achieved through the addition of terminal block wiring which offers simple, plug-in connection to the amplifier; and the reduction of the internal electronics footprint resulting in a smaller amplifier with more-versatile installation capabilities. The rugged SA-361 Defender remains the affordable choice for law enforcement, security and volunteer firefighters.

- **Compact** 100 watt amplifier with remote switch panel
- **Reliable** three position rocker switches feature Wail, Yelp, Phaser or optional Two-Tone/HiLo, Manual and Air Horn siren tones
- **DIP switch programmable** options allow siren to be customized for each installation
- **Instant-On** provides automatic power when a siren function is selected
- **Terminal block wiring** at the remote amplifier offers easy installation and serviceability
- **Hands-free Horn Ring Cycler 2 (HRC2)** enables siren tone selection through the horn ring for pursuit or rescue situations
The SC-1022 Volunteer provides the power to change perception! Instantly transform any first response vehicle into a “Big Engine” with this compact, hand-held, full-featured light control siren with powerful Mechanical tone. Drivers will respond more quickly to get out of your way when they hear the distinctive cycle of this authentic Mechanical tone siren. The completely enclosed hand control with rubberized face provides total siren and light control right at your finger tips. It is easy to operate and ideal when you want it out of your way when not in use.

- **Compact** 100 watt remote amplifier with light controls
- **Rugged** LED backlit hand-held control unit with six membrane push-button switches for Mechanical, Wail, Yelp, Phaser or optional Two-Tone/HiLo, Manual, and Air Horn siren tones and two membrane switches for light control
- **Mechanical Tone**: Deep, gutsy and authentic, this powerful tone gives you that “Big Engine” sound to effectively clear traffic
- **Dip switch programmable** options allow siren to be customized for each installation
- **Splash resistant** rubberized face with built-in push-button switches that protect internal circuitry from liquids
- **Hands-free Horn Ring Cycler 2 (HRC2)** enables siren tone selection through the horn ring for pursuit or rescue situations
- **Control Head Mounting Bracket Included** allowing to mount to the dash or console for easy access.

The SC-550 Stealth puts the traffic clearing power right in the palm of your hand. Featuring a rugged hand-held control unit and remote 100/200 watt amplifier with 140 amps of light control output, this siren is ideal for undercover and unmarked vehicles, as well as other applications where being inconspicuous is desired, or where console or dash space is limited.

- **Rugged** 100/200 watt remote amplifier with up to 140 amps of total light control
- **Pursuit** ready four position slide switch for up to 60 amps of primary light control and four membrane on/off switches for up to 20 amps each of auxiliary light control
- **Reliable** six position rotary switch features Radio-Repeat, Wail, Yelp, and Phaser or optional Two-Tone/HiLo siren tones with push-button override for Manual and Air Horn
- **Dip switch programmable** options allow siren to be customized for each installation
- **Splash resistant** rubberized face with built-in push-button switches that protect internal circuitry from liquids
- **Hands-free Horn Ring Cycler 2 (HRC2)** enables siren tone selection through the horn ring for pursuit or rescue situations
- **Automatic Siren Cutout** disables the siren when the driver’s door opens
- **Built-in** microphone with P.A. override and volume control
- **LED** backlit for nighttime visibility with auxiliary switch legends that turn red when activated
- **28 volt** option also available
- **Control Head Mounting Bracket Included** allowing to mount to the dash or console for easy access.
The SC-411-HD Elite Force Siren Series was developed for smaller spaces with the same options as a full console unit. The new remote Elite Force siren series introduces the new QuickClone® duplication technology making it easy to transfer option settings from one unit to another without the need for an external computer, ideal for fleet installations. New blue LED backlighting along with a custom cradle for mounting included.

- **Dual Tone**: Just like having two sirens going at the same time. And with two distinct tones being produced at the same time, it really captures your attention.
- **Patented Video Trigger Output**: A dedicated line to a video system that signals it to record when any primary button or selected auxiliary buttons are activated.
- **Face Programmability**: All options are programmed using the buttons on the handheld controller in a special programming mode.
- **Face Diagnostic Indicators**: Each light and siren output is individually protected with externally exposed fuses and have independent diagnostic sensors at the connectors that display the status of each output on the face of the handheld controller. Audible and visual alerts are transmitted when the sensor detects an output that is not functioning properly.
- **Adjustable Backlighting**: with the press of a button the user can tailor the brightness to their personal preference.
- **Splash Resistant Face**: The handheld controller incorporates buttons with backlighting and flanges to seal around the button actuators for improved protection for the internal circuitry from common accidental spills.

The SC-411-HS Elite Force Siren Series was developed for smaller spaces with the same options as a full console unit. The new remote Elite Force siren series introduces the new QuickClone® duplication technology making it easy to transfer option settings from one unit to another without the need for an external computer, ideal for fleet installations. New blue LED backlighting along with a custom cradle for mounting included.

- **Patented Video Trigger Output**: A dedicated line to a video system that signals it to record when any primary button or selected auxiliary buttons are activated.
- **Face Programmability**: All options are programmed using the buttons on the handheld controller in a special programming mode.
- **Face Diagnostic Indicators**: Each light and siren output is individually protected with externally exposed fuses and have independent diagnostic sensors at the connectors that display the status of each output on the face of the handheld controller. Audible and visual alerts are transmitted when the sensor detects an output that is not functioning properly.
- **Adjustable Backlighting**: with the press of a button the user can tailor the brightness to their personal preference.
- **Splash Resistant Face**: The handheld controller incorporates buttons with backlighting and flanges to seal around the button actuators for improved protection for the internal circuitry from common accidental spills.
The HPK-150 Under Hood Stutter Horn System offers the same loud and legal* features and functionality as the HPK-100 In-Cab Stutter Horn System, but utilizes the HA-150 Under Hood Stutter Horn Amp for exterior, all-weather installations. Compact and easy-to-install, the HPK-150 is ideal for any volunteer POV, motorcycle, ATV, or marine craft. It is also a cost-effective alternative for other service vehicles that are not equipped with compressed air horn systems.

HA-150 UNDER HOOD STUTTER HORN AMP
• 100 watt electronic air horn amplifier
  ➔ Waterproof
  ➔ Ultra-compact for exterior-mount installation on any vehicle
  • Legal* for POV use
  • “Stutter” air horn sound
  • Wires to horn ring or separate switch (customer supplied)
  ➔ Power indicator light for diagnostics
  • No-hassle 5 year warranty

SP-200 SWITCH PANEL
• Easily switch between standard vehicle horn and louder, more powerful “Stutter” air horn
• Illuminated rocker switch for up to 15 amp capacity auxiliary light control
• Simple, easy installation to amplifier and vehicle horn

CSP-100B BASIC SPEAKER
• Slim, hexagonal shape for versatile installation options
• 100 watt, 11 ohms
• Integrated, universal mounting bracket design
• Black, corrosion-resistant metal structure
• Weighs only 6 lbs.
• No-hassle 1 year warranty

If you work in a state or region that restricts POV siren use, then courtesy is really all you can rely on when responding to emergency calls. The HA-150 Under Hood Stutter Horn Amp gives courtesy a boost by providing a loud and legal*, all-weather, audible warning component to your POV light package.

This professional grade, 100 watt amplifier incorporates the power of a simulated “stutter” air horn with the reliable quality not found in other aftermarket horn products. Its compact, waterproof design offers flexible, easy installation options for any vehicle. And at roughly the size of a bar of soap, the HA-150 is perfect for volunteer POVs, as well as, motorcycles, ATVs, and marine craft.

• Rugged 100 watt electronic air horn amplifier
  ➔ Waterproof
  ➔ Ultra-compact for exterior-mount installation on any vehicle
  • Legal* for POV use
  • “Stutter” air horn sound allows you to RUN SMALL, SOUND BIG and ARRIVE SAFE!
  • Easy operation using horn ring or separate switch (customer supplied)
  ➔ Power indicator light for diagnostics
  • Economically priced

Bundle with a Carson SP-200 Switch Panel and the CSP-100B 100 watt speaker to create a complete “horn system” featuring light control and horn tone selection.
The SB-008 Phantom switchbox signifies major advancements in emergency vehicle light control technology. It boasts intuitive face programmability and DIP switch locking to easily manage all of your lighting and auxiliary equipment systems. Each switch has the capability to be programmed as on/off, momentary, or timed momentary for multiple gunlocks. A “grouping” feature has also been incorporated that provides slide switch functionality by activating multiple switches with a single Master Switch.

- **High-powered** for up to 160 amps of total output with all 8 membrane switches generating up to 20 amps of control each
- **Sleek** rubberized face features completely enclosed controls and legends for additional splash resistant protection and greater durability over traditional rocker or open-sided membrane switches
- **Face programmable** settings to select the function of each individual switch between on/off, on/off with Master Switch control, momentary and timed momentary
- **Space saving** compact design, under 1½" high, is less than half the size of a regular switch box
- **LED** backlit for nighttime visibility with switches that turn red when activated
- **Enhanced protection, installation and serviceability** with an exposed fuse for each output and detachable plug connectors
- **Output diagnostics** built-in to alert the user of problems

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**SPKERS**

**LBH-100**

“Behind the Grill” Speaker

- 100 Watt Output
- 11 Ohms Impedance
- Ultra thin solid cast aluminum construction
- Designed for “behind the grill” mounting
- 750Hz to 2.7KHz operational frequency spectra
- 6.5” Diameter / 2.25” Depth
- Non-fatiguing, self-aligning sound chamber assembly
- Weighs 6 lbs.
- Vehicle specific Ford Crown Victoria mounting bracket available.
- Vehicle specific Dodge Charger mounting bracket kit available. Uniquely designed to increase speaker performance and sound output with simple, easy installation.

**CSP-100B**

Basic Speaker

- Ultra-compact, hexagonal shape for flexible installation on any vehicle
- 100 Watt Output, 11 Ohms Impedance
- Integrated, universal mounting bracket design
- Black, corrosion-resistant metal structure
- 400Hz to 3500Hz operational frequency spectra
- 6.34” W x 5.10” H x 2.36” D
- Weighs 6 lbs.
- Certifications not applicable

**HPG-100N**

Versatile Speaker

- Bell constructed of high impact plastic
- 100 Watt Output
- 11 Ohms Impedance
- 450Hz to 3800Hz operational frequency spectra
- 7” Length / 7.31” Width / 5.38” Height
- Non-fatiguing, self-aligning sound chamber assembly
- Patented AS100N driver
- Replacement parts available
- Weighs 6.5 lbs.

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**WARNING** Sound Hazard - Sound level from speaker (>120dBA @ 10 feet) may cause hearing damage. Do not operate unit without adequate hearing protection for you and anyone in immediate vicinity. (Ref. OSHA 1910.95 for occupational noise exposure guidelines)
ACCESSORIES

Switch Panel

SP-200
HA-100 & HA-150 Switch Panel with Horn Selection and Light Control

Cables

ED1924
SP-200 15FT Amp Power Cable with 6 - 13/16” Quick-Connect Terminals

ED1914
HA-100 15FT, 4 Pin Plug Amp Power Cable

ED1758
SA-441 8FT, 10 Pin Plug Amp Power Cable

ED1753

CP3850
18FT Microphone Extension Cable for SA-430/441 FX Control Head

Mounting Brackets

CP5005
SC-409 Flush Mounting Bracket

CP4899
SA-400 Flush Mounting Bracket

ED1952
SC-411 Hand Control Cradle Bracket

CP5003
SC-1022 Hand Control Cradle Bracket

CP5181
SC-550-10 14 HAND CONTROL BRACKET

For a detailed list of all Carson accessories, please visit our website at www.carsonsirens.com and click on the Accessories and Replacement Parts Catalog link.