## PRODUCT INDEX

<table>
<thead>
<tr>
<th>Model</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>SC-409 COMMANDER</td>
<td>3</td>
</tr>
<tr>
<td>SC-407 ENFORCER</td>
<td>4</td>
</tr>
<tr>
<td>SA-500M CRUISER MECHANICAL</td>
<td>4</td>
</tr>
<tr>
<td>SC-500 CRUISER</td>
<td>5</td>
</tr>
<tr>
<td>SA-400M CLASSIC MECHANICAL</td>
<td>5</td>
</tr>
<tr>
<td>SC-400 CLASSIC</td>
<td>6</td>
</tr>
<tr>
<td>SA-385 ALERT</td>
<td>6</td>
</tr>
<tr>
<td>SA-365 DEFENDER</td>
<td>6</td>
</tr>
<tr>
<td>SC-411RD ELITE FORCE</td>
<td>7</td>
</tr>
<tr>
<td>SC-411RS ELITE FORCE</td>
<td>7</td>
</tr>
<tr>
<td>SC-441 MAGFORCE MECHANICAL</td>
<td>7</td>
</tr>
<tr>
<td>SC-441 MAGFORCE</td>
<td>7</td>
</tr>
<tr>
<td>SA-430 PATRIOT MECHANICAL</td>
<td>8</td>
</tr>
<tr>
<td>SC-1012 VOLUNTEER</td>
<td>8</td>
</tr>
<tr>
<td>SA-361 DEFENDER</td>
<td>8</td>
</tr>
<tr>
<td>SC-411-HD ELITE FORCE</td>
<td>8</td>
</tr>
<tr>
<td>SC-411-HS ELITE FORCE</td>
<td>8</td>
</tr>
<tr>
<td>SA-430 PATRIOT</td>
<td>9</td>
</tr>
<tr>
<td>SC-1022 VOLUNTEER</td>
<td>9</td>
</tr>
<tr>
<td>SA-550 STEALTH</td>
<td>10</td>
</tr>
<tr>
<td>SC-411-HD ELITE FORCE</td>
<td>10</td>
</tr>
<tr>
<td>SC-411-HS ELITE FORCE</td>
<td>10</td>
</tr>
<tr>
<td>ELECTRONIC AIR HORNS</td>
<td>13</td>
</tr>
<tr>
<td>SWITCHBOX</td>
<td>13</td>
</tr>
<tr>
<td>SPEAKERS</td>
<td>14</td>
</tr>
<tr>
<td>ACCESSORIES</td>
<td>14</td>
</tr>
</tbody>
</table>

- Protected by a **No Hassle Warranty**
- Meets Class A Sound Level Requirements
- California Title 13 Configurable
- Meets KKK requirements
- Meets SAEJ1849 Acoustic Requirements

Tomar.com • Ph: 800.338.3133 • Fax: 800.688.6627
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

SC-409-10 14

Tomar.com  Ph: 800.338.3133  Fax: 800.688.6627
CONSOLE MOUNT SIRENS

**SC-407 ENFORCER**

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 vehicles 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 provides 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 screw-down 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

**SA-500M CRUISER MECHANICAL**

The SA-500M Cruiser Mechanical siren is the smallest full featured Mech 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 backlight 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 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 over-ride 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

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, and Mechanical siren tones with push-button over-ride 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
- Splash resistant face is ideal for demanding environments by protecting 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
- Detachable microphone (DM)
- 28 volt option also available
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

The **SA-365 Defender** siren gives you just what you need, because you shouldn’t have to pay a premium for features you rarely use! That’s why the SA-365 has been engineered to offer only the most highly desired features and functionality, while eliminating those price inflating “bells and whistles” that are common on many sirens today.

- Compact 100-watt amplifier
- Four-position rotary switch features Wail, Yelp, and Phaser or optional Two-Tone/HiLo siren tones, and push-button override for Manual and Air Horn
- P.A. override with attached noise-canceling microphone and face mounted volume control knob
- External DIP switch programmability for easy siren customization
- Instant-On provides automatic power when a siren function is selected
- Output indicator light for diagnostics
- Horn Ring Cycler 2 (HRC2) enables siren tone selection through the horn ring for pursuit or rescue situations
- No-hassle 5-year limited warranty

Simplicity is the key to the **SA-385 Alert**. 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

Tomar.com  l  Ph: 800.338.3133  l  Fax: 800.688.6627
The SC-411RD 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

The SC-411RS 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.
- 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
- 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
The SA-441M MagForce Mechanical takes warning sound performance to the next level by combining a classic Mechanical siren 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
SA-430M Patriot Mechanical

The SA-430M 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, 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
- 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 backlit for nighttime visibility
- Extended microphone option (FX) also available

SA-430 Patriot

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 backlit 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 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
- 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 small 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.
- 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.
HA-150 Under Hood Stutter Horn

The HA-150 Under Hood Stutter Horn offers the same loud and legal* features and functionality as the HA-100 In-Cab Stutter Horn System, but utilizes the HA-150 Under Hood Stutter Horn Amplifier for exterior, all weather installations. Compact and easy-to-install, the HA-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

- Waterproof
- Ultra-compact for exterior-mount installation on any vehicle
- Power indicator light for diagnostics
- 100 watt electronic air horn amplifier
- Legal* for POV use
- “Stutter” air horn sound
- Wires to horn ring or separate switch (customer supplied)
- 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, ATV’s, and marine craft.

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

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, ATV’s, and marine craft.

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

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, ATV’s, and marine craft.

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

Wire harness accessories available. See the Accessories & Replacement Parts Catalog on the Carson website for more information. *Legal in most states. Please consult your state/local vehicle codes to ensure compliance with vehicle horn regulations.
**SB-008 Phantom**

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

**SPK100**

**Slimline Speaker**

The **SPK100** Slimline speaker is 100 watts and designed for use in emergency vehicles, security alarm, public safety, and 2-way radio systems. The two-piece aluminum bell houses the driver and provides complete weather and corrosion protection for all internal components. The exponential flare rate of the horn optimizes sound dispersion at any power level in a 75° pattern. Neodymium magnet, ferrofluid cool.

**Specifications:**

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Rating</td>
<td>100 watt RMS</td>
</tr>
<tr>
<td>Impedance</td>
<td>11 Ohms</td>
</tr>
<tr>
<td>Frequency Response</td>
<td>700-2700Hz</td>
</tr>
<tr>
<td>Sound Level (Peak dBA)</td>
<td>112 dBA (measured 1W/1M)</td>
</tr>
<tr>
<td></td>
<td>118 dBA (measured at rated power, 3 meters)</td>
</tr>
<tr>
<td>Dispersion (2000Hz octave band, 6dB points)</td>
<td>75°</td>
</tr>
<tr>
<td>Finish</td>
<td>Cast aluminum</td>
</tr>
<tr>
<td>Size and Weight</td>
<td>6.625” dia. x 2.25” deep x 12 lbs (170mm x 60mm x 5.44kg)</td>
</tr>
</tbody>
</table>

*Ford PIU, Chevrolet Tahoe brackets available*
DIGITAL SIREN AND CONTROL

940 SERIES

Digital Control Panel and Siren Amplifier

The 940-SIREN combines the 940-DCP Digital Control Panel and the 940-AMP Siren Amplifier into a single unit for simplified installation.

940-AMP Siren Amplifier

The 940-AMP features 200 watt maximum load with one or two drivers, auxiliary connections for Horn Ring, Horn Relay, Air Horn, Park Kill and Alarm, seven selectable siren tones and a simple RJ45 connection to a lightbar or 940-DCP.

940-DCP Digital Control Panel

The 940-DCP features six programmable function switches, integrated siren controls and four progressive mode switches allowing Jump To Mode™ activation as well as a traffic direction switch for use with TOMAR LED lightbars equipped with the traffic direction option. The 940-DCP is back lit with LED indicators for easy identification and features a spill resistant housing. Connections are made via a simple RJ45 connection to the lightbar or 940 Siren Amp. All switches are a durable magnetic touch pad rated for 10 million operations.

940-M3473 Microphone

940 Series Models

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>940L-DCP</td>
<td>Digital Control Panel for use with any Tomar Lightbar, Traffic Advisor, Lstick and all Auxiliary lighting.</td>
</tr>
<tr>
<td>940-AMP</td>
<td>940-AMP Siren Amplifier for use with the 930N and 930L series lightbars.</td>
</tr>
<tr>
<td>940L-SIREN</td>
<td>Digital Control Panel and Siren Amplifier mounted together as a single unit. For use with any Tomar Lightbar, Traffic Advisor, Lstick and all Auxiliary lighting. Includes the 940-M3473 Microphone.</td>
</tr>
<tr>
<td>940L-SIREN-R</td>
<td>Digital Control Panel and Siren Amplifier shipped as separate pieces with 20’ cables for remote mounting applications. For use with any Tomar Lightbar, Traffic Advisor, Lstick and all Auxiliary lighting. Includes the 940-M3473 Microphone.</td>
</tr>
<tr>
<td>940-M3473</td>
<td>Hand held microphone for use with all 940 amplifier or siren systems. (This option is included when ordering either 940-AMP or 940-SIREN systems.)</td>
</tr>
</tbody>
</table>

Specifications:

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>940-AMP Dimensions</td>
<td>7” x 3.6” x 5.9” x 4.35 lbs. (178mm x 92mm x 149.86mm x 1.97kg)</td>
</tr>
</tbody>
</table>
Tomar’s 948L-DCP digital siren and control panel features six programmable function switches, a three position progressive mode switch allowing Jump To Mode™ activation as well as a traffic direction switch for use with TOMAR LED or NEOBE® lightbars equipped with the traffic direction option or arrowsticks. The 948 has a comfortable rotary switch to select between siren tones or RRB. The control panel is backlit with LED indicators for easy identification and features a spill resistant housing.

**Features**
- Arrow function button
- Three position progressive slide switch
- Six independent auxiliary switches
- LED indicator for directional arrow and warning modes
- LED backlighting for night time visibility
- Rotary switch for siren tone selection

**Ordering Information**

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>948L-DCP</td>
<td>Digital Siren and Control Panel</td>
</tr>
</tbody>
</table>

**Specifications:**

- **948L-DCP Dimensions**: 173mm x 92mm x 44mm (7”x 3.6” x 1.74”)
- **Operating Temperature Range**: -55°C to +65°C
- **Input Voltage Range**: 12 VDC

---

The 943 Switch Box is a compact, programmable, full function lighting controller featuring two warning mode switches, two auxiliary switches, a step through arrow switch, a dedicated dim switch that can be used as a third auxiliary switch and a progressive system off switch. The switch panel incorporates LED backlighting and LED switch indicator lights for easy day or night readability. 943 six LED indicator panel provides visual indication of warning mode, left arrow, right arrow or center out activation. Each switch is rated for 5 amps with a system total of 12 amps. An optional universal mounting bracket is available.

**Specifications:**

- **943 Dimensions**: 142mm x 66mm x 25mm (5.625” x 2.625” x 1”)
- **Operating Temperature Range**: -55°C to +65°C
- **Input Voltage Range**: 12 VDC
- **Output**: Each switch is rated at 5A, combined current not to exceed 12A
**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**
15 ft. hand control extension cable for SC-1022 and SC-550

**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

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

**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.