





Introducing the **SC-411 Elite Force Siren Series**: the newest remote siren series 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. The splash resistant rubberized control head face offers programmable siren tones, light and arrow stick controls and our patented video trigger capability.

The SC-411 Elite Force Siren Series introduces two new models: remote Dual Tone (SC-411-RD-20 14) and remote Single Tone (SC-411RS-20 14).

- 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. This provides complete control to insure that the video system is prompted to record with activating a combination of any specified light output as well as any switch programmed as a gunlock timer.
- Face Programmability: All options are programmed using the lever switch and buttons on the control head in a special programming mode, including:

QuickClone® setting duplication technology – Options are automatically synchronized between the control head and amplifier, allowing easy copy from vehicle to vehicle without the use of an external computer for simplified fleet installations

Lever switch operation – progressive, non-progressive and semi-progressive with or without automatic siren activation Auxiliary switch operation – On/Off, momentary or momentary with 10 or 20 second delay for gun lock timer Auxiliary switch association – linked activation by specific lever switch positions

Control inputs - enable/disable and polarity

Siren options – various operations and tone selections

2nd tone selection – changes 2nd time with various switch positions

- 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. 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 Rubberized Face: The unit incorporates built in auxiliary and siren switches with backlighting and flanges to seal around the lever switch actuators and volume control knob for improved protection for the internal circuitry from common accidental spills.

VOSW

SMALL IN SIZE, LARGE IN OPTIONS, THE SC411 ELITE FORCE SIREN SERIES





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- 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. The siren may produce Dual Wail, Dual Yelp, Dual Phaser, Dual Air Horn and combine Wail and Yelp at the same time. These tone pairs are programmable for each siren switch position.
- 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. This provides complete control to insure that the video system is prompted to record with activating a combination of any specified light output as well as any switch programmed as a gunlock timer.
- Face Programmability: All options are programmed using the lever switch and buttons on the control head in a special programming mode, including:

QuickClone® setting duplication technology - Options are automatically synchronized between the control head and amplifier, allowing easy copy from vehicle to vehicle without the use of an external computer for simplified fleet installations

Lever switch operation - progressive, non-progressive and semi-progressive with or without automatic siren activation

Auxiliary switch operation - On/Off, momentary or momentary with 10 or 20 second delay for gun lock timer Auxiliary switch association - linked activation by specific lever switch positions

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- 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. 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 Rubberized Face: The unit incorporates built in auxiliary and siren switches with backlighting and flanges to seal around the lever switch actuators and volume control knob for improved protection for the internal circuitry from common accidental spills.







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The SC-411 Elite Force Siren Series introduces two new models: handheld Dual Tone (SC-411-HD-20 14) and handheld Single Tone (SC-411HS-20 14).

- 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. This provides complete control to insure that the video system is prompted to record with activating a combination of any specified light output as well as any button programmed as a gunlock timer.
- **Face Programmability**: All options are programmed using the buttons on the handheld controller in a special programming mode, including:

QuickClone® setting duplication technology – Options are automatically synchronized between the handheld controller and amplifier, allowing easy copy from vehicle to vehicle without the use of an external computer for simplified fleet installations

3 primary buttons – (equivalent to lever switch operation) with progressive, non-progressive and semi-progressive operation, with or without automatic siren activation

Auxiliary button operation – On/Off, momentary or momentary with 10 or 20 second delay for gun lock timer Auxiliary button association – linked activation by specific primary button activation Control inputs – enable/disable and polarity

Siren options – various operations and tone selections

- 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.

SOSS





Introducing the **SC-411 Elite Force Siren Series**: the newest remote siren series developed for smaller spaces with the same options as a full console unit. The new remote Elite Force siren series introduces the new **Quick-Clone®** 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. The splash resistant handheld controller offers programmable siren tones, light and arrow stick controls and our patented video trigger capability.

The **SC-411 Elite Force Siren Series** introduces two new models: handheld **Dual Tone** (**SC-411-HD-20 14**) and handheld **Single Tone** (**SC-411HS-20 14**).

- **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. The siren may produce Dual Wail, Dual Yelp, Dual Phaser, Dual Air Horn and combine Wail and Yelp at the same time. These tone pairs are programmable for each siren mode.
- 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. This provides complete control to insure that the video system is prompted to record with activating a combination of any specified light output as well as any button programmed as a gunlock timer.
- **Face Programmability**: All options are programmed using the buttons on the handheld controller in a special programming mode, including:
 - **QuickClone**® setting duplication technology Options are automatically synchronized between the handheld controller and amplifier, allowing easy copy from vehicle to vehicle without the use of an external computer for simplified fleet installations
 - 3 primary control buttons (equivalent to lever switch operation) with progressive, non-progressive and semi-progressive operation, with or without automatic siren activation
 - Auxiliary button operation On/Off, momentary or momentary with 10 or 20 second delay for gun lock timer Auxiliary button association linked activation by specific primary button activation
 - Control inputs enable/disable and polarity
 - Siren options various operations and tone selections
 - 2nd tone selection changes 2nd tone with various siren modes
- 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.

NOSW





"The Ultimate Combination of Technology, Styling, and Control"

Introducing the *SC-409 Commander*: the most technologically advanced and stylish console mount light control siren. The new *Commander* incorporates superior functional versatility with face programmable and dip switch selectable options to control nearly every kind of lightbar, directional light, auxiliary light, and other auxiliary equipment including multiple gun locks and video camera systems.

The *SC-409 Commander* represents the introduction of many new technological advancements including five new patent pending features:

- **Video Trigger**: A dedicated line to a video system that signals it to record when the lever switch or selected auxiliary switches are activated. This provides complete control to insure that the video system is prompted to record with activating a combination of any specified light output as well as any switch programmed as a gunlock timer.
- Face Programmability: Intuitively select each auxiliary switch's function by pushing the button to scroll through different control options. Programmable settings for each switch include the default on/off, Video Trigger activation with on/off, momentary, and 10 or 20 second timed momentary for use as a gunlock timer.
- Lever Switch Programmability: Select whether the lever switch activates the outputs progressively, independently or non-progressive, or a combination of the two in a partially progressive fashion. In addition, the installer may program specific auxiliary switches to be activated and de-activated automatically when the lever switch is activated through the different positions.
- 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. Audible and visual alerts are transmitted when the sensor detects an output that is not functioning properly.
- **Splash Resistant Rubberized Face**: The unit incorporates built in auxiliary and siren switches with embedded backlighting and flanges to seal around the lever switch actuators and volume control knob for improved protection for the internal circuitry from common accidental spills.

VOSWY

TAKE CONTROL WITH THE NEW **SC409** COMMANDER





"The Compact Full Featured Siren"

The **SA-500 CRUISER** is one of the most efficient, rugged, reliable, and functional sirens on the market today. And at only 2 1/8" high, the **CRUISER** is one of the smallest full featured sirens. This self-contained siren easily fits into a police car or ambulance console or dash using significantly less space, leaving room for other equipment.

The **SA-500 CRUISER** incorporates many of the most popular features including the following:

- Output Diagnostics Indicator: Sensors at 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 to produce a warning signal.
- Separate Radio & PA Face Mounted Volume Controls: Two rotational volume controls with compact knobs accessible on the face allow for separate control of the output volume of the Radio when re-broadcasted over the siren speaker and PA giving the operator greater flexibility to set the needed volume levels based upon the noise level of the surrounding environment at the time of use.
- DIP Switch Programmable: Flexible DIP Switch programming allows the installer to sample different settings before selecting desired functions. Options include disabling Phaser, Power C and Air Horn to be California Title 13 compatible, replacing Phaser with Two-Tone/HiLo, Yelp override, Short Manual, selecting Manual/Phaser or Horn Ring Cycler 2 operation through the auxiliary input, and setting the auxiliary input and cutout input polarity.
- **LED Backlighting:** Just as incandescent lights in a regular lamp burn out regularly, an incandescent bulb in a siren has a limited life and often fails. Blue LEDs used for backlighting are designed to last the life of the product and never burn out or need to be changed.
- Quick-Snap Fastener: The secure fastener makes it easy to open and close the siren by using a pressure connection between the chassis and cover holding them together. The siren requires no tools to open it up or screws that can easily get lost.

THE **SASOO** CRUISER HITS THE ROAD RUNNING.

NOSW





"The Original Dual Tone Siren"

They can't get out of your way fast enough when you come charging through with this monster of a siren. The **SA-441 MagForce**s independent 2 channel amplifier produces 200 watts of traffic clearing output that will blow their doors off. When operating in the dual tone mode, it is like having two sirens in one with two separate tones at the same time. No other electronic siren is as powerful or as attention grabbing as the **MagForce**.

The **SA-441 MagForce** is the original dual tone siren. Initially designed for use in ambulances, this unique siren has also been discovered and embraced by the law enforcement and fire apparatus markets as well. Because vehicles continue to become more and more resistant to outside noise entering the drivers compartment, many have found that the increased output capacity of this true 200 watts siren along with the alternating sweep of two tones at the same time makes a huge difference in the ability of the operator to get the other drivers attention.

Many of the features that make the **SA-441 MagForce** a truly unique siren are highlighted below:

- **Dual Tone Mode:** It is just like having two sirens going at the same time when the siren is in the dual tone mode. And with two distinct tones being produced at the same time, it covers the frequency range more completely. In the dual tone mode, the siren may produce Dual Wail, Dual Yelp, Dual Phaser, Dual Air Horn and combine Wail and Yelp at the same time
- A True 200 Watts: The traditional 200 watt sirens are designed to automatically adjust output power for 1 or 2 speakers. Some output power is lost in adjusting from 1 to 2 speakers so that total output is actually less than 200 watts. The dual tone siren is specifically designed for 2 speakers using 2 independent channels that produce 100 watts each for a true 200 watt total output.
- 1" Deep Control Head: The less intrusive the flush mount control head can be, the more versatile it is to mount because the clearance space needed behind the control head is reduced. This is the only dual tone flush mount siren that is 1" or less in depth.
- Serial Control Data Line: A single data line delivers information between the control head and the amplifier. The small #22 AWG wire makes installation easier.

VOSW 70

THE **SA441** MAGFORCE BLAST THROUGH TRAFFIC.





"The Fusion of Power and Sound"

The **SA-441M MagForce Mechanical** takes warning sound performance to the next level by combining a classic Mechanical Tone and new Carson Air Horn with the power of an independent 2 channel, 200 watt amplifier for maximum clearing output. The dual tone feature of this siren incorporates our popular selection of siren tones and new Mechanical tone into alternating sweeps which gives the perception of 2 sirens operating at the same time. This shockwave of sound penetrates even the most sound-resistant vehicles on the road today.

What sets the **SA-441M MagForce Mechanical** apart from other electronic sirens is the authentic reproduction of both a true Mechanical tone and a Stutter air horn sound. This combination offers an effective alternative to the costly Mechanical sirens and air horns that are traditionally installed on fire rescue apparatus. By eliminating the need for an exterior siren, as well as, air tanks, compressors and tubing, this compact siren is easy to install, space-saving and requires much less amp draw while still delivering that distinctive "Big Engine" sound.

Although designed primarily for use in ambulances and fire rescue vehicles, this universal siren has also made a strong impression on law enforcement. The ability of this siren to create the perception of a large emergency vehicle is being accepted and embraced by officers as an important safety feature.

- **Mechanical Tone:** This siren's deep and gutsy Mechanical tone allows you to sound just like a fire truck when clearing traffic. This siren will set you apart from the rest.
- Carson Air Horn: This replica Stutter air horn provides that distinctive "Big Engine" horn sound without the need for bulky air tanks and compressors.
- **Dual Tone Mode:** It is just like having two sirens operating at the same time when this siren is in the dual tone mode. And with two distinct tones being produced at the same time, it covers the frequency range more completely.
- A True 200 Watts: The traditional 200 watt sirens are designed to automatically adjust output power for 1 or 2 speakers. This can lead to a loss in output power. The SA-441M MagForce Mechanical siren is specifically designed for 2 speakers using 2 independent channels that produce 100 watts each for a true 200 watt total output.
- 1" Deep Control Head: The less intrusive the flush mount control head can be, the more versatile it is to mount because the clearance space needed behind the control head is reduced. This is the only dual tone flush mount siren that is 1" or less in depth.

NOS2/7





SC550 STEALTH

"The Premiere Hand-Held Light Control Siren"

This light control siren puts the traffic clearing power right in the palm of your hand. Just like the original **SC-550** hand-held light control siren, this next generation **SC-550 STEALTH** combines a full featured 100/200 watt siren with a 140 amp capacity light control system in an amplifier that is easily hidden, but also incorporates an astetically striking and rugged hand held control unit. Because of the **SC-550 STEALTH** light control capacity and mounting versatility, it is ideally suited for use in several different applications like unmarked or undercover vehicles, SUVs, command vehicles, and take home cars.

The **SC-550 STEALTH** offers the installer and user several unique features to customize the operation of the system and increase the reliability and ruggedness of the hand held control unit including the following:

- **Optical Slide Switch:** This patented feature utilizes optical sensors rather than contacts that can wear out, to activate outputs as the slide moves positions. Use of this technology makes the hand held control unit slimmer in profile than a unit using a traditional styled lever/slide switch.
- Non-Progressive Slide Switch Options: The installer has the option to configure the slide switch outputs to operate progressively, non-progressively (i.e. output #1 turns off when output #2 is activated and output #2 is turned off when output #3 is activated) or a combination of both a progressive ("a" outputs) and non-progressive ("b" outputs) manner (i.e. position #1 activates output 1a/1b, position #2 turns off output 1b and adds outputs 2a/2b to 1a, position #3 turns off output 2b and adds output 3a to) providing greater flexibility in the installation and control.
- Splash Resistant Rubberized Face with Built-in Switches: This one piece, enclosed face design limits exposure to liquids and other particles that could potentially damage internal circuits.
- **Versatile Operating & Mounting Options:** Whether the issue is limited mounting space such as in an SUV, a need to hide the controls in undercover vehicles, or for take home vehicles where the driver wants to keep the controls for the lights and siren away from children, the **SC-550 STEALTH** is flexible in how and where the installer mounts the control head if mounted at all and how the operator uses it.

THE LAW IS IN YOUR HANDS WITH THE SC550 STEALTH

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The **SA-385 Alert** siren gives you just what you need..and more! Engineered from the design of its predessesor, the original SA-380 Alert siren, the SA-385 continues with the concept of offering only the most highly desired features and functionality, while eliminating those price inflating "bells and whistles" that are common on many sirens today.

The new **Alert** incorporates the same full-featured siren options as the original SA-380, with new features designed to enhance operation and increase ease of installation. These features include making Instant-On operation a standard requiring no enable input, terminal block wiring which offers simple plug-in connection, and a significantly smaller chassis size as a result of a reduction of the internal electronics footprint.

- Compact 100 watt amplifier
- **Reliable** four position rotary switch features Wail, Yelp, Phaser or optional Two-Tone/HiLo siren tones and push-button override for Manual and Air Horn
- **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
- Terminal block wiring at the 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
- In-line fused to protect the siren









HE SCIO22 VOLUNTEER

"The SC-1022, "a small siren with big results" in the palm of your hand.

The Carson **SC-1022 Volunteer** Hand-held Mechanical Tone Siren for those who need to clear traffic in a big way. This small compact siren offers the standard tones of Wail, Yelp, Manual, Power C and the new Carson Mechanical tone along with dip switch programmability of the European HiLo/Two-tone sound as optional substitutes. This gives you full coverage for any emergency situ-ation. Expect big results with this small siren. The completely enclosed rubberized face gives you a smooth front panel with everything right at your finger tips. This hand-held remote control head with light controls for emergency situations is easily operated and ideal when you want it out of your way and not in use.

This small 100-watt siren with big results is the **SC-1022 Volunteer** Hand Held Mechanical tone siren that offers all the same reliable performance, rugged and durability along with consistent quality that comes with all the Carson Siren line.

- **Mechanical Tone:** This sirens deep and gutsy mechanical tone allows you to sound just like a fire truck clearing traffic. This siren will set you apart from the rest.
- **Lighted Pushbutton Controls**: Two lighted pushbutton switches for controlling auxiliary or emergency lighting.
- **Horn Ring Cycler 2:** Allow the operator the capability to run the siren tones from the vehicle horn ring or other external switching for hands free tone selection during pursuit or rescue situations.
- Control Head Mounting Bracket Included: A "holster" that allows mounting to dash or console for easy access.

THE SC-1012 OFFERS "A SMALL SIREN WITH BIG RESULTS".









"The Remote Siren That Clears the Way"

The **SC-1012 Volunteer** 100-watt remote siren with light controls was designed with the volunteer firefighter in mind offering complete versatility. This unit gives you flexibility in the placement of the remote switch panel and amplifier. The remote switch panel features two 3-position rocker switches to select between Wail, Yelp, Manual, Power C and Mechanical tone. A momentary rocker switch for Air-Horn and Phaser with the European HiLo/Two-Tone sound as an optional substitute. The siren also features the Horn Ring Cycler (HRC2) function that enables the driver hands-free control of the siren by cycling through the tones with the vehicles horn. Two lighted rocker switches are also included for controlling emergency lights.

The siren is installed with a detachable connector for the power, speaker and remote switch panel. The siren tones may be changed or disarmed using a DIP switch. The light switches are capable of switching up to 20 amps. This siren is designed to work with a 100-watt speaker and ensures you the strength to get you where you need to go and be heard like one of the big fire trucks. The remote panel may be mounted with holes in the top or bottom. As with all Carson Sirens products, the **SC-1012 Volunteer** is backed by a no-hassle 5-year limited warranty.

The **SC-1012 Volunteer** Remote Siren offers the reliable performance, and rugged durability with consistent quality that comes with every Carson Siren.

- **Mechanical Tone:** This sirens deep and gutsy mechanical tone allows you to sound just like a fire truck clearing traffic. This siren will set you apart from the rest.
- Lighted Rocker Switches: Two lighted rocker switches for controlling auxiliary lighting.
- Horn Ring Cycler 2: Allow the operator the capability to run the siren tones from the vehicle horn ring or other external switching for hands free tone selection during pursuit or rescue situations.

THE SC-1012 OFFERS "A SMALL SIREN WITH BIG RESULTS".

NOSW







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 POV's, as well as, motorcycles, ATV's, 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















SA-361 Defender remote siren has been redesigned with a *new look* and *added functionality*! The updated **Defender** combines the same simple operation, reliable performance and full-featured siren options as the original SA-361, but in a smaller, more-compact amplifier. 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

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
- Output indicator light for diagnostics
- 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



