



The **SC-411-HD** ELITE FORCE

from

CARSON
SIRENS

“The Remote Siren Series with full Control, Styling, and Technology”

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 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.

Small in size, large in options, the **SC-411 Elite Force Siren Series**

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SC-41HD-20 14 DUAL TONE ELITE FORCE

Specifications

Siren	
Input Voltage	9 - 16 VDC (negative ground)
Input Current	16 Amps @14 VDC
Standby Current	Less than 340 ma
Audio Frequency	200Hz - 10kHz +/- 3db
Audio Distortion	Less than 7% (@ 1kHz - single 100W speaker)
Audio Output	40W (@14 VDC per 100W speaker)
Radio Input	0.75 VRMS Min., 400 ohms nominal
Output Power	210W RMS Max (@15 VDC - dual 100W speakers)
Siren Frequency	700Hz - 1500Hz (Two-Tone & Air Horn = 435 & 585Hz)
Tones/Cycle Rates	Horn = 109 CPS, Wail = 15 CPM, Yelp = 210 CPM, Phaser = 15 CPS, Two-Tone = 60 CPM
High Voltage Protection	16 - 18 VDC output ceases, resumes at normal level
Short Circuit Current	50 Amps Min. from supply circuit
Operation Temperature	-15F to 140F
Controls	5 siren mode buttons, push button Horn, push button Manual and Timed Override, noise canceling microphone, Radio button with external radio volume control, auxiliary input for +/- Horn, Manual, HRC2, or Sweep operation, cutout input for +/- latching cutout operation, face programmable option selection
Siren Connections	12 Pin connector: 2 negative, 3 speaker, 2 radio cutout, 2 auxiliary input, 3 enable, and dimming input
Light Control	
Voltage	9 - 16 VDC (negative ground)
Controls	3 primary push buttons w/LED indicators, 8 push buttons
Primary Button Current	20 Amps max per circuit, 50 Amps max total
Auxiliary Button Current	10 Amps max per circuit, 30 Amps max total
Light Connections	3 pin connector with exposed fuses, 10 pin connector (9 for light controls and 1 for video output) with exposed fuses, & 2 screw down terminal for positive #6 AWG wires
General	
Size	Handheld Controller: 2-1/4" X 5-3/8" X 1-1/8" Amplifier: 8-1/4" X 8-5/8" X 2-1/8"
Shipping Weight	7 Lbs
Ratings Met	Class A Sound Level, California Title 13, KKK

Features

- QuickClone® setting duplication technology
- Splash resistant design
- Programmable primary buttons for progressive, non-progressive, or partially progressive control.
- Program auxiliary buttons to activate when the primary buttons are activated
- 6 Programmable auxiliary buttons for on/off, Video Trigger with on/off, momentary and 10 or 20 second timed momentary (gun lock)
- Instant On option allows operation of primary buttons with ignition off.
- PA override with noise-canceling microphone and programmable volume
- Patented Video Trigger automatically initiates a video camera system to record when programmed buttons are activated
- Blue LED backlit for nighttime visibility, auxiliary buttons turn red when activated
- Horn Ring Cyclor 2 (HRC2) for hands free siren control when siren is in Cycle mode for pursuit and rescue situations
- Timed Override changes siren tone for 10 seconds
- Sweep & Intersection modes automatically sequence through Yelp, Phaser, and Air Horn at different rates
- Siren Cutout disables the siren tone when exiting the vehicle
- Exposed fuses on the top side of the amplifier to protect each output
- User adjustable back lighting for personal preference
- Dual Tone, 200 watts
- Dedicated Arrow Stick Control
- Controller can be mounted with Velcro® or custom magnetic cradle
- No-hassle 5-year limited warranty

	<i>SC-41HD-20 14 Elite Force</i>	Code 3 3599L5	Federal 650	Signal-Star Products LCS881	Sound Off ETA462HHP	Whelen HHS2200
QuickClone™ Setting Duplication Technology	Yes					
Splash Resistant Face	Yes					Not
Programmable Primary Buttons	Yes					Dual
Face Programmable Auxiliary Buttons	Yes				Yes	Tone
Instant On option for Primary Buttons with ignition off	Yes					
Patented Primary Button Video Trigger Output with Light Activation	Yes					
Dedicated siren setting for Horn Ring Mode	Yes					
Dual Tone Standard	Yes			Yes	Yes	
Total Light Control Output Capacity	80 AMPS	80 AMPS	75 AMPS		100 AMPS	100 AMPS
5-Year Warranty	Yes					Yes



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



This Carson siren is intended for use by authorized personnel only. It is the user's responsibility to ensure they understand and operate this emergency warning device in compliance with all applicable city, state and federal laws and regulations.