



The **SC-411-RD** **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 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)**.

- **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
 - 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.

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

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SC-41RD-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	6 Position rotary, push button Horn, push button Manual and Timed Override, noise canceling microphone, PA volume control, 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	4 Position lever switch LED indicators, 8 push buttons
Lever Switch Current	20 Amps max per circuit, 50 Amps max total
Auxiliary Switch 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	Control Head: 6-1/8" Wide X 2-5/8" High X 1-1/4" Deep 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 rubberized face with built-in push button switches and liquid repelling actuator flanges
- Programmable lever switch for progressive, non-progressive, or partially progressive control. Field replaceable.
- Program auxiliary switches to activate with the lever/slide switch
- Instant On option allows operation of primary buttons with ignition off.
- 6 Programmable auxiliary switches for on/off, Video Trigger with on/off, momentary and 10 or 20 second timed momentary (gun lock)
- PA override with removable noise-canceling microphone and face mounted volume control knob
- Patented Video Trigger automatically initiates a video camera system to record when programmed switches are activated
- Green LED backlit for nighttime visibility, auxiliary switches turn red when activated
- Horn Ring Cyclor 2 (HRC2) for hands free siren control when rotary is on Cycle position 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 w/directional indicator
- No-hassle 5-year limited warranty

	<i>SC-41RD-20 14 Elite Force</i>	Code 3 Z-3	Federal SSP3000	Signal-Star Products LCS850MG	Whelen CenCom II	Sound Off ETS380R
QuickClone™ Setting Duplication Technology	Yes					
Traditional Rotary siren control knob	Yes					
Splash Resistant Label with Built-In Auxiliary Switches	Yes					
Programmable Lever/Slide Switch	Yes					
Face Programmable Auxiliary Switches	Yes					Yes
Patented slide switch Video Trigger Output with Light Activation	Yes					
Dedicated Rotary Switch position for Horn Ring Mode	Yes					
Dual Tone Standard	Yes			Yes		Yes
Total Light Control Output Capacity	80 AMPS	100 AMPS			100 AMPS	
5-Year Warranty	Yes	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)

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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.

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