



# CORE-S™

## LIGHT AND SIREN SYSTEM

Introducing Core-S, the newest addition to Whelen's industry-leading Core® family of control systems!

Core-S is a true, one-box solution! Our newest control system has an all-new space-saving design that's designed to be installed in a console, under a vehicle's dash, or in other tight spaces. Core-S features siren, input/output, and control functionality in one compact box along with an integrated control head. Like the rest of our Core systems, Core-S is engineered for performance, designed for vast configuration, and built to scale with your needs. Plus, installation has never been easier with connector placement specifically designed for installation in hard-to-reach areas.



### ALL-NEW DESIGN

Every aspect of Core-S is engineered for performance and designed for vast configuration, allowing for installation in space-sensitive consoles or under-dash. Core-S is built on Whelen's proprietary and industry leading WeCanX® protocol to bring the advanced safety features of CenCom Core to a broad new user base.

### FIRMWARE UPDATES

Core-S supports remote firmware updates through USB-C with Whelen Command® or over-the-air with The Whelen Cloud Platform®. All WeCanX devices support encrypted firmware updates.

### WECANX

WeCanX is the smartest and most powerful CAN-based communication system we've ever engineered. Providing true system synchronization, greater speed capabilities, expanded peripheral add-ons, and full support of diagnostics, WeCanX is designed for optimal situational awareness programming.

### WHELEN COMMAND

At the heart of Core-S is Whelen's industry-leading software, Whelen Command. Featuring an advanced user interface, Whelen Command is engineered to streamline the entire programming process and quickly provide updates and new releases. Whelen Command can process over 65,000 virtual inputs.

WeCanX processes over 65,000 virtual inputs and supports numerous combinations of WeCanX devices, including support for multiple Whelen peripherals of the same type on the same vehicle. All CANport™ signals are configurable as triggerable events. (Whelen's original WeCan® only supports 8 CANport signals.)

### THE WHELEN CLOUD PLATFORM

The Whelen Cloud Platform delivers a multitude of capabilities for fleet management and safety. Using the Vehicle Safety Gateway® (VSG®), it bridges connectivity into next-generation analytics and software along with over-the-air (OTA) firmware updates, all while helping first responders make life-saving decisions through telematic and GPS-based data.



CCTL6 - 3-section control head with a 4-position slide switch, 13 push-buttons, and a 7-position rotary knob



CCTL7 - 3-section control head with a 4-position slide switch, and 21 push-buttons

### DIMENSIONS

6.67" W x 6.54" D x 5.70" H

### WARRANTY

Five-year warranty



**WARNING:** This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit [whelen.com/regulatory](http://whelen.com/regulatory).

MANUFACTURED IN AMERICA

WHELEN ENGINEERING COMPANY, INC.

## HARDWARE SUPPORT

Core-S™ supports multiple WeCanX® devices. Connect Tracer™, Arges®, lightbars, sirens, Howler™, and Inner Edge® products. With Core-S, you can support multiple Whelen peripherals of the same type on the same vehicle. Core-S operates on 12 VDC power.

\*External amplifier required

## WECANX DEVICES

Customize the Core-S control system to suit your needs! Compatible with:

- WeCanX enabled lightbars and Inner Edge products
- V2V Sync Module
- Vehicle Safety Gateway®
- Arges
- WeCanX Tracer
- WeCanX I/O Expansion Modules
- High Current Remote Output Expansion Module
- WeCanX Siren and Howler Expansions

## INPUTS - 11 TOTAL INPUTS

6 logic inputs  
1 ignition power-up input  
4 analog inputs

## OUTPUTS - 17 TOTAL OUTPUTS

2 15A outputs  
2 10A outputs  
12 2A outputs  
1 dry contact relay  
Flashing outputs

## HIGH-SPEED CONNECTIONS

Core-S has extremely high-performance I/O and features one ethernet connection, one WeCanX connection, a CANport™ interface, and one USB-C port. With a variety of interfaces, Core-S is primed for a wide range of configurations.

## UPDATED CONTROL HEAD CONFIGURATIONS


Ergonomically designed for situational awareness, the Core-S control heads are completely configurable. Control heads are based on industry leading WeCanX control heads and support flashing indicator LEDs.

## DYNAMIC VARIABLE INTENSITY™ LIGHT PATTERNS

Core-S allows for Dynamic Variable Intensity (DVI™) patterns, an innovative series of flash patterns designed to help create an advanced level of safety at nighttime emergency scenes. Building on Whelen's situation-based nighttime mode, DVI patterns produce safer environments for first responders by gradually increasing and decreasing warning light intensity. DVI patterns help better convey visual information to approaching motorists, clearly indicating when an emergency vehicle is parked and improving their ability to navigate around an emergency scene safely.

## DIGITAL VOICE MESSAGING (DVM)

Core-S can store and play pre-recorded digital voice messages (DVMs) with a simple touch of a button, located on the control head. DVMs can be downloaded and added to configurations via the Manage Digital Voice Messages window in Whelen Command®.

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**WHELEN**  
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