

CORE-CTM

CONTROL SYSTEM



WHELEN
MANUFACTURED IN AMERICA

CENCOM CORE-C™

Whelen's newest addition to the Core family, Core-C™ is the heart of a sophisticated warning light system for work trucks. Delivering enhanced WeCanX® safety features with plug and play ease of installation, Core-C provides the intelligence of a WeCanX controller with the functionality of a control head in one convenient and compact package. Core-C makes it easy and convenient to use safety enhancing technology features like Vehicle-to-Vehicle Synchronization (V2V) and Dynamic Variable Intensity™ (DVI) light patterns on your lightbar, Inner Edge®, or other compatible WeCanX devices.







W E C A N X[®]

WeCanX[®] is the smartest and most powerful CAN-based communication system we've ever engineered. Providing true system synchronization, greater speed capabilities, and full support of diagnostics, WeCanX is designed for optimal situational awareness programming. WeCanX processes over 65,000 virtual inputs and supports numerous devices.

FIRMWARE UPDATES

Core-C[™] supports firmware updates through USB-C with Whelen Command[®]. All WeCanX[®] devices support encrypted firmware updates.



Core-C™ is programmed with Whelen Command®. Featuring an advanced user interface, Command is engineered to streamline the entire programming process and quickly provide updates and new releases. Command can process over 65,000 virtual inputs.



DYNAMIC VARIABLE INTENSITY™ PATTERNS

CenCom Core® introduced Dynamic Variable Intensity (DVI™) patterns, an innovative series of flash patterns designed to help create an advanced level of safety at nighttime work zones. These patterns are now available with Core-C as well.

Building on Whelen's situation-based nighttime mode, DVI patterns produce safer environments for work crews by gradually increasing and decreasing warning light intensity. DVI patterns help better convey visual information to approaching motorists, clearly indicating when a work truck is parked and improving their ability to navigate around a work zone safely.

WeCanX[®] DEVICES

Core-C[™] can be expanded and configured any way imaginable with WeCanX devices.

LIGHTBARS

- Legacy[®]
- Liberty[™] II
- Freedom[®] IV Rota-Beam[™]
- Cenator[®]
- Justice[®]

INNER EDGE FST[™], RST[™], & XLP

Inner Edge[®] FST, RST, & XLP models support WeCanX with control of individual lightheads in DUO[™] and TRIO[™] models.

REMOTE 8 OR 16 OUTPUT EXPANSION MODULE

- 4 programmable logic inputs
- Cruise mode
- Same functionality as existing remote modules

V2V SYNC MODULE

- 10-30 VDC power supply
- Has diagnostic indicator

SOFTWARE SUPPORT

- Whelen Command[®]



**Core-C™ allows full command
of your lights with one,
simple controller.**



HARDWARE SUPPORT

Core-C™ supports multiple WeCanX® devices. Connect lightbars, an input and output expansion module, V2V Sync, or Inner Edge® products.

Inputs:

1 ignition power-up input

Outputs:

1 5A output

Connections:

1 WeCanX Connection

1 USB-C

High Speed Connections:

Core-C has extremely high-performance I/O. It features one WeCanX™ connection and one USB-C port. With a variety of interfaces, Core-C is ready for a variety of configurations.

Supported Devices:

- 1 WCX Lightbar (WeCanX® Legacy®, Liberty™ II, Freedom® IV Rota-Beam™, Cenator®, and Justice® lightbars)
- 2 WCX Inner Edges (WeCanX Inner Edge® FST™, RST™, and XLP)
- 1 WCX Inner Edge and one Outer Edge (Outer Edge driven by a remote expansion module)
- V2V Sync Module

Technical Specifications:

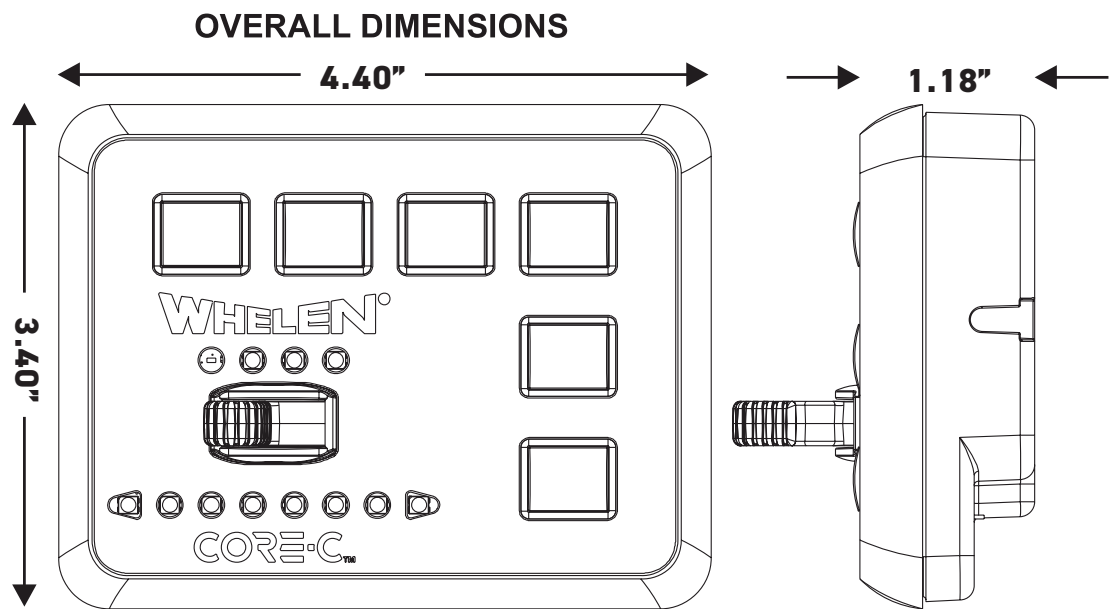
- 12/24 VDC
- 1 ignition power-up input
- 1 5 Amp output (5 amps average/6.5 amps peak)

WARRANTY

- Five-year-warranty

MODELS

P/N	Description
CCP9	Core-C™ System, 4-Position Slide Switch and 6 Push-Buttons. One 5-amp output for auxiliary lighting. LED TA Indicator, 10-30 VDC and V2V Sync Capable
CV2V	Vehicle To Vehicle Module, Includes Internal Antenna
CEM8	8 Output, 4 Input WeCanX™ Expansion Module
CEM16	16 Output, 4 Input WeCanX™ Expansion Module







**Designed, engineered, and
manufactured in America.**



WHELEN®

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ISO 9001 REGISTERED QMS

Whelen Engineering reserves the right to upgrade and improve products without notice.

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Printed in the U.S.A. Form No. 13412C - 2/14/22

