

**WHELEN<sup>®</sup>**  
TRUSTED TO PERFORM<sup>™</sup>

**CANTRON<sup>®</sup>** WC



# **CanTrol® WC**

Intelligent Light and Siren System

## ***Innovation At Your Command***

The best way to connect you with your vehicle and the world around you is CanTrol—intelligent technology that makes every day on the job safer, whether you're inside or outside your vehicle. CanTrol is fully customizable and intuitive, making your vehicle the partner you never knew you could have.

Every element of CanTrol is designed to maintain situational awareness of the officer and houses numerous innovations you can't find anywhere else, including virtual inputs, analog inputs, Traffic Advisor™ outputs, CANport™, and conditional programming.

CanTrol features situation based integration, a concept first introduced with Whelen's B-Link™ System in 1993. Scene specific functions can be created utilizing various vehicle components. CanTrol takes this innovation even further with conditional programming.

## ***Conditional Programming***

CanTrol can be programmed using advanced situational based integration, known as Conditional Programming. Create multiple user defined rules for specific scenarios and depending on the state of your vehicle—increasing officer and public safety.

- Activate Howler™ with the brake pedal when siren and warning lights are active
- Automatically sound an alarm when the temperature inside the vehicle reaches a certain degree
- Trigger lights and sirens to activate at a designated speed
- Automatically turn on cruise lights at night
- Alternate Traffic Advisor flash patterns with warning flash patterns for added contrast and visibility at a traffic stop
- Dim the lightbar and establish vehicle perimeters when it is dark and your vehicle is placed in park

**⚠ WARNING:** These products 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)



## ***Design Features***

- Configure and control warning lights, siren, and Traffic Advisor™ functions from a single keypad
- Priorities are fully configurable
- Various control heads available
- Software allows for simplistic programing of configurations via USB 2.0
- Fully supports all WeCan® Series products
- Supports WeCan dual amplifier option and 2 of the following: Inner Edge® FST™, Inner Edge RST™, or remote 16 output module
- 3 analog inputs and 8 logic inputs for customer-supplied external switches
- 43 fully protected and/or fused outputs (included in the main box)
- Supports one or two 100 watt speakers
- Full set of programmable flash patterns, all synchronizable with variable-phase and variable delay
- Easily accessible fuses and connections
- Heavy-duty power and output connectors
- Includes CANport™ OBDII Interface
- Meets or exceeds all applicable SAE and California Title XIII requirements with various Whelen speakers
- Five year warranty

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# Program

CanTrol® simplifies programming with its Windows based software. Configuring multiple vehicles is effortless, and a USB 2.0 port transfers data faster than ever before.

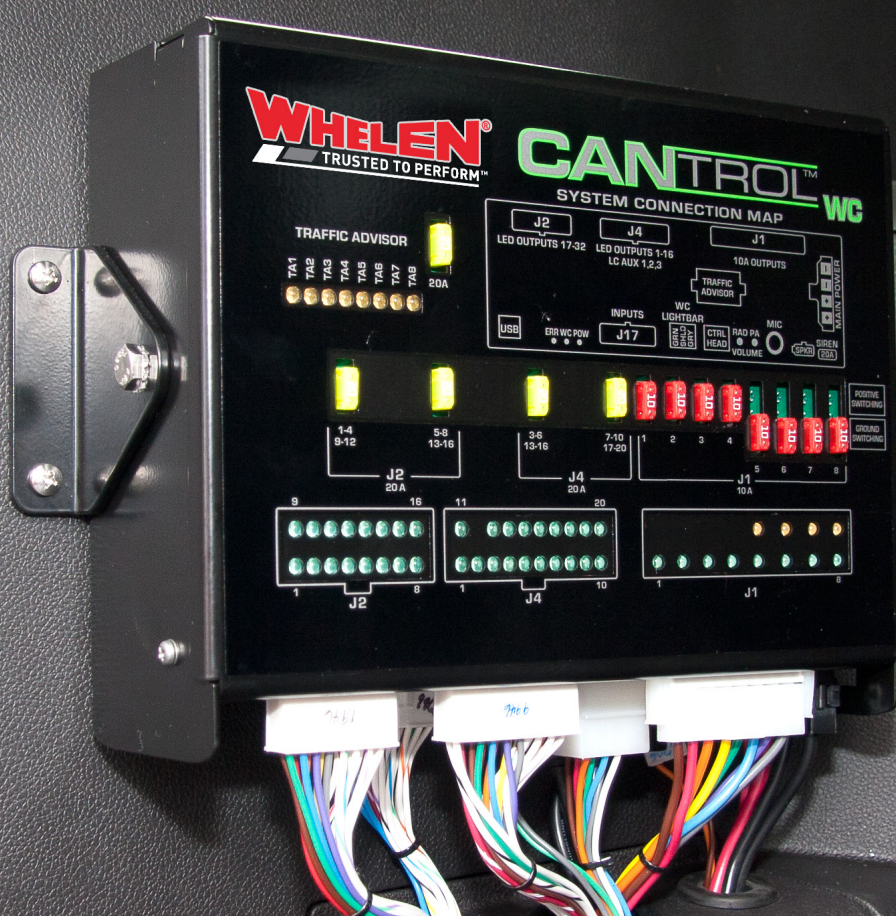
## Virtual Inputs

The CanTrol software features virtual inputs, allowing you to create user defined functions. These functions are programmed to initiate when a button or input is activated. They can be used as timers to alternate with each other.



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## Analog Inputs

Analog inputs are always on when CanTrol® is active. Program the voltage range with custom settings. Analog inputs can activate light and siren functions when temperature or speed changes.

### ***K9 Temperature Sensor***

As the vehicle temperature increases, CanTrol can be programmed to alert you of the potentially dangerous conditions your dog may be facing using lights and tones, including the K9 alarm.

### ***Vehicle Speed Sensor***

Change visual and auditory warning as your vehicle speed increases, alerting the public and increasing your safety and the safety of others.

## Traffic Advisor™ Outputs

CanTrol features the ability to assign custom flash patterns, phases, and delays to the Amplifier Control Module's integrated nine wire Traffic Advisor outputs for more options and further customization.

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# New CANport™ OBDII Interface

Models are now available with the CANport OBDII Interface, a simple plug-in connection to your vehicle. Using the CANport, CAN bus signals are easily applied to automate warning system functions.

- Straightforward and easy installation
- Eliminates labor costs
- Saves money on wires and connectors
- Helps maintain the integrity of the vehicle warranty

## Select from a series of vehicle signals\*:

- |                     |                       |                        |
|---------------------|-----------------------|------------------------|
| • Headlight         | • Drive               | • Key Switch RUN       |
| • Low Beams         | • Transmission Range  | • Any Front Door       |
| • High Beams        | • Vehicle Speed       | • Any Back Door        |
| • Park Lamps        | • Throttle Position   | • Front Driver Door    |
| • Left Turn Signal  | • Engine RPM          | • Front Passenger Door |
| • Right Turn Signal | • Engine Running      | • Rear Driver Door     |
| • Hazard Lights     | • Fuel Level          | • Rear Passenger Door  |
| • Brake             | • A/C Clutch          |                        |
| • Park Brake        | • Key Switch ACC      |                        |
| • Park              | • Key Switch IGN      |                        |
| • Reverse           | • Key Switch Off      |                        |
| • Neutral           | • Key Switch Position |                        |

\*Vehicle signals may vary for each make/model/year, see CanTrol® software for a complete list.



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## Control Heads

Ergonomically designed for situational awareness of the officer, various control heads are compatible with CanTrol®. Completely configurable by the user, these control heads are designed with features such as tick marks, raised surfaces, and recessed areas for ease of use, allowing officers to focus on the road.



CANCTL6



CANCTL7



CANCTL5

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# CANtrol<sup>®</sup>WC

## Outputs

- 32 2-1/2 amp outputs
- 3 low current 1/4 amp outputs
- 8 programmable 10 amp outputs (4 positive or ground switched, 4 positive switched only)
- All outputs have both short circuit/overcurrent protection
- Each output has diagnostic indicator

## Inputs

- 3 analog inputs
- 8 inputs for customer-supplied external switches: 4 for use on positive or ground switching, and 4 for use on positive switching only
- Optional 8 input expansion positive or negative switched

## Siren

- Supports one or two 100 watt speakers
- Full set of programmable siren tones
- Includes PA and radio repeat functions

## Expansion Modules

- 2 optional expansion modules allow for 16 additional 2-1/2 amp outputs per module and plugs directly into the WeCan<sup>®</sup> port, for a total of 75 outputs

## Integrated Features

- Integrated Load Manager turns off outputs, lightbars, and accessories as battery voltage decreases and is software configurable. As battery voltage increases, the Integrated Load Manager can turn on outputs that control the docking station and printer
- Diagnostic indicators display the state of the Amplifier Control Module
- Integrated auto-off timer maintains critical warning functions even when the key is out of the ignition
- CANport<sup>™</sup> OBDII Interface is a simple plug-in connection to your vehicle. Using the CANport, CAN bus signals are easily applied to automate warning system functions

## Additional Features

- WeCan lightbar plugs directly into the amplifier/control module and is programmed by the CanTrol software
- Includes I/O Pigtails
- Easily clone your custom program and transfer it to other vehicles
- Micro USB port in the amplifier control module for programming
- Traffic Advisor<sup>™</sup> module utilizes a 9 conductor cable, eliminating the use of a separate controller
- WeCan lightbar, Inner Edge<sup>®</sup> RST<sup>™</sup>, and Traffic Advisor can be synchronized with remote Traffic Advisors that use a 9 conductor cable

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Model	Description
CANWCT2	Includes standard amplifier/control module with thirty-two 2-1/2 amp outputs, three low current 1/4 amp outputs, eight programmable 10 amp positive/negative outputs, and control head of choice. Traffic Advisor module and three Diagnostix <sup>™</sup> indicators
CANWCT2A	Same as CANWCT2, except with 8 (Positive or Negative) Input Expansion Module, 12 total inputs
CANWCT3	Same as CANWCT2, except with CANport OBDII Interface Module
CCSRN4DA	WeCan External Amplifier, for use with CanTrol, for Dual Amplifier applications
CC5K1	Installation kit for CANWCT3 Series for 2016-2018 Ford Interceptor Utility, Interceptor Sedan and F-150, 2018 Ford F-250/F-350/F-450/F-550, Expedition and Transit, 2017 Ford Fusion and 2016-2017 Dodge Charger, no charge when purchased with Amplifier Control module
CC5K2	Installation kit For CANWCT3 Series for 2016-2017 Chevy Tahoe, no charge when purchased with Amplifier Control Module
CC5K3	Installation kit for CANWCT3 Series for 2018 Dodge Charger, Durango and Ram 1500, no charge when purchased with Amplifier Control module
<b>NEW</b> CC5K4	2020 Ford Interceptor Utility Gateway Installation Kit for use WITHOUT Ford 61B Factory Option.
<b>NEW</b> CC5K5	Installation Kit for CCSRN5 Series for 2020 Ford Expedition, Super Duty and Transit
CANCTL5	Includes a handheld combination microphone and controller, 5-position progressive light/sire control, nine push-buttons, and microphone extension cable
CANCTL6	Includes 3 section control head and 8 push-buttons, 4-position slide switch with a 7-position rotary knob. manual, airhorn plus 3 Traffic Advisor switches and microphone with extension cable
CANCTL7	Includes 3 section control head and 21 push-buttons, 4-position slide switch, microphone with extension cable
CANEM16	16 Output Expansion Module
CANLITEB	Optional Light Sensor, Black housing
CANLITEC	Optional Light Sensor, Chrome housing
CANTEMPB	Optional Temperature Sensor, Black housing
CANTEMPC	Optional Temperature Sensor, Chrome housing

**5** FIVE YEAR  
WARRANTY

WhelenENG



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51 Winthrop Road, Chester, CT 06412-0684  
860-526-9504  
[www.whelen.com](http://www.whelen.com)