

# CenCom Core™ Display Gunlock Countdown



Whelen Engineering Company, Inc.

**WHELEN**

## Scenario Operation

The Display Gunlock Countdown scenario configures CenCom Core™ to use the Traffic Advisor™ indicators on the control head to display the time remaining until the Gunlock times out.

## Configuration Requirements

- CenCom Core™
- Control Head
- 1 High Current Output
- 2 Virtual Inputs
- Priority Adjustments

WHELEN<sup>®</sup>

The screenshot displays the WHELEN software interface for configuring hardware. On the left, there is a 'Quick Start' section with a 'Detect via USB' button and an 'Add Hardware' section with various hardware options like Control Head, Input Device, Design Lighter, etc. The main area is titled 'My Hardware' and contains a table with two rows: 'CenCom Core' and '21 and Slide WCK'. The 'CenCom Core' row is highlighted with a red box. On the right, there is a 'Presets' section with a list of preset names and a 'Go Back' / 'Continue' button at the bottom.

**My Hardware**

CenCom Core	CenCom Core	[Dropdown]	[X]
21 and Slide WCK	21 and Slide WCK	[Dropdown]	[X]

**Presets**

- Stereo
- Stability
- Radio
- T1
- T2
- T3
- Manual - Hands Free
- Alarm
- Vehicle
- Park Exit
- Horn Ring
- Other
- Backlight

Go Back Continue

**Add all required Hardware**



**WHELEN**

State	Name
Press 5	Press 5
Press 6	Press 6
Press 7	Press 7
Press 8	Press 8

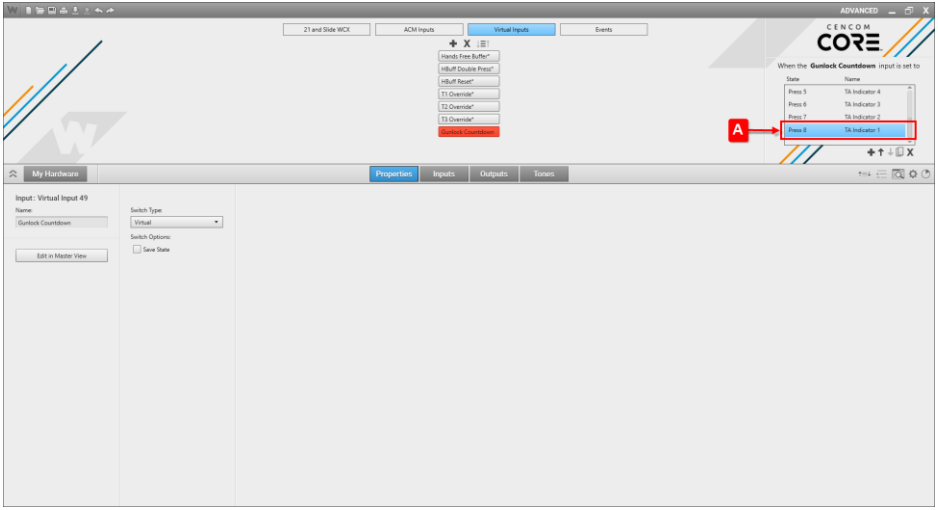
(A). Add a new **Virtual Input** (B). name it **Gunlock Countdown** and (C). make sure that it has **8 Presses**

**WHELEN**

State	Name
Press 1	TA Indicator 8
Press 2	TA Indicator 7
Press 3	TA Indicator 6

(A). Starting with **Press 1** name it **TA Indicator 8** then name **Press 2 TA Indicator 7**

**WHELEN**

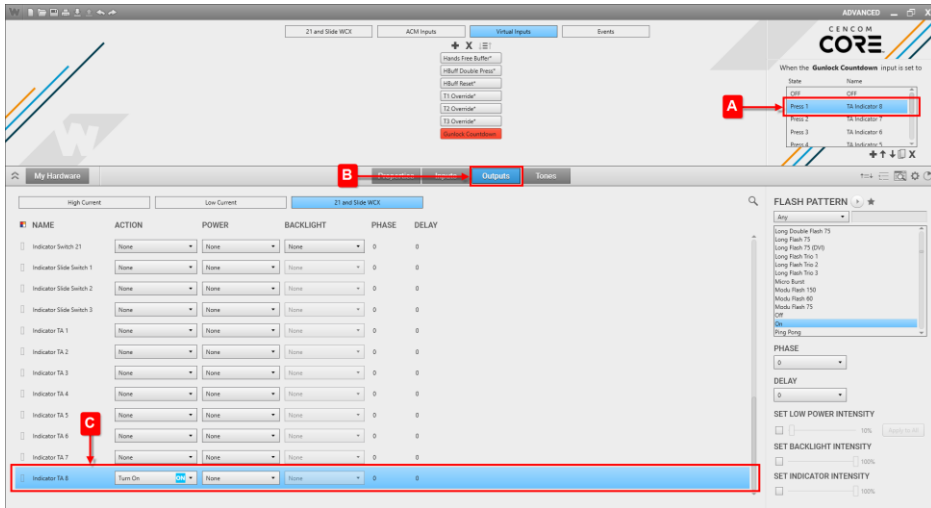


(A). Working your way down to **Press 1** named **TA Indicator 1**

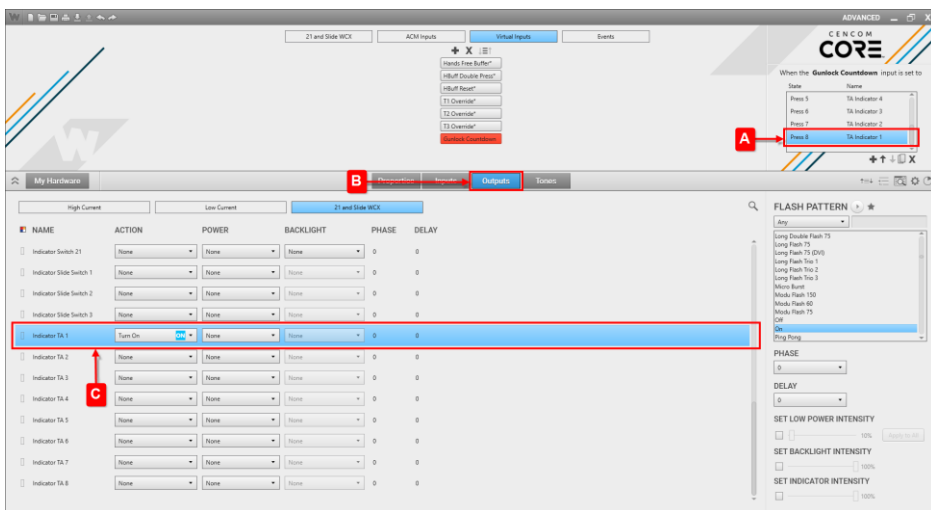
**WHELEN**

## Example #1

The first example we turn on one indicator at a time starting with **Indicator TA 8** counting down to **Indicator TA 1**.



With Gunlock Countdown selected (A), select Press 1 TA Indicator 8 and on the (B). Outputs page under the 21 and Slide WCX tab (C), set the action for Indicator TA 8 to Turn On



Navigate to each Press and turn on the corresponding TA Indicator until you finally reach Press 8 TA Indicator 1

## Example #2

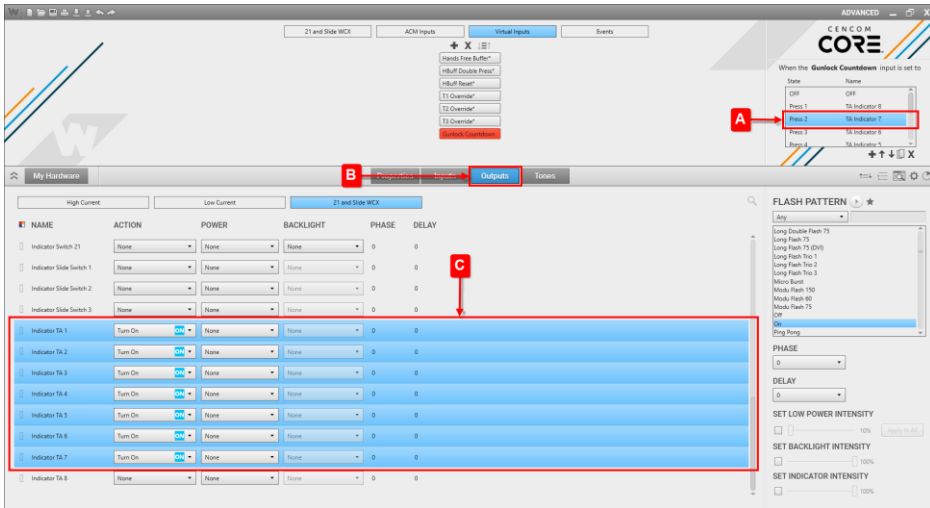
The second example we turn on Indicator TA 1 - Indicator TA 8 then with each press we remove 1 indicator. Example press 2 TA Indicator 7 we would turn on Indicator TA 1 - Indicator TA 7 until counting down to Press 8 TA Indicator 1 that would turn on Indicator TA 1.

WHELEN®

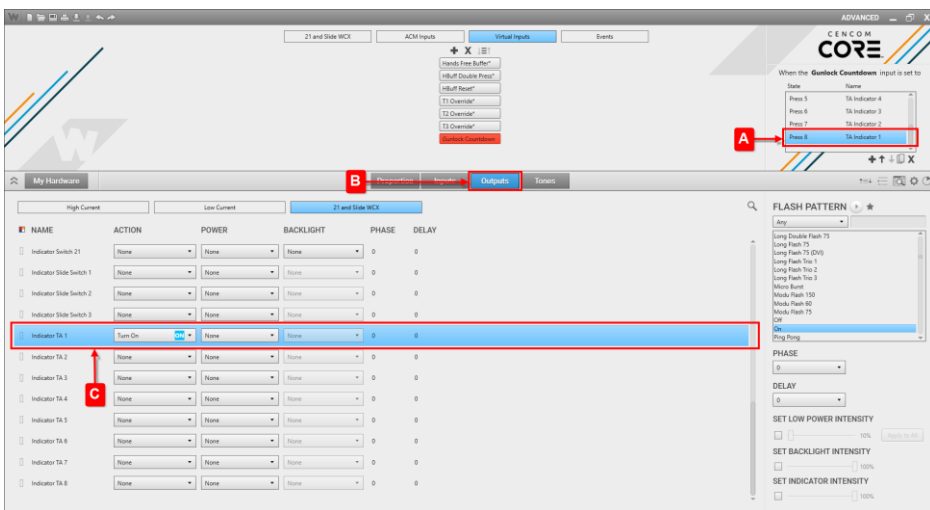
The screenshot shows the WHELEN software interface. At the top, there are tabs for '21 and Slide WCX', 'ACM Inputs', 'Virtual Inputs', and 'Events'. Under 'Virtual Inputs', 'Gunlock Countdown' is selected, indicated by a red arrow labeled 'A'. Below this, there is a table of indicators. A red arrow labeled 'B' points to the 'Outputs' tab under the '21 and Slide WCX' section. A red arrow labeled 'C' points to the 'ACTION' column in the indicator table, where 'Turn On' is selected for all indicators from TA 1 to TA 8.

NAME	ACTION	POWER	BACKLIGHT	PHASE	DELAY
Indicator TA 1	Turn On	None	None	0	0
Indicator TA 2	Turn On	None	None	0	0
Indicator TA 3	Turn On	None	None	0	0
Indicator TA 4	Turn On	None	None	0	0
Indicator TA 5	Turn On	None	None	0	0
Indicator TA 6	Turn On	None	None	0	0
Indicator TA 7	Turn On	None	None	0	0
Indicator TA 8	Turn On	None	None	0	0

With Gunlock Countdown selected (A), select Press 1 TA Indicator 8 and on the (B). Outputs page under the 21 and Slide WCX tab (C), set the action for Indicator TA 1 - 8 to Turn On

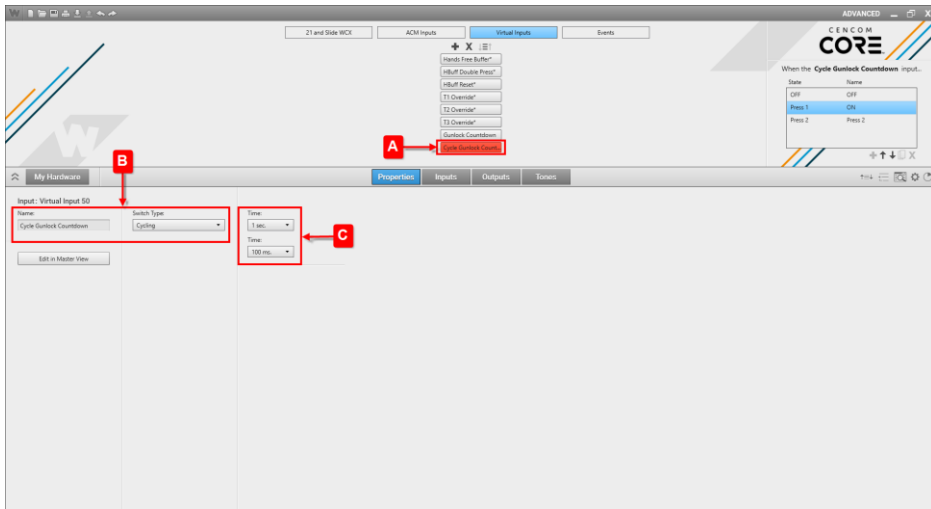


With Gunlock Countdown selected (A), select Press 2 TA Indicator 7 and on the (B). Outputs page under the 21 and Slide WCX tab (C), set the action for Indicator TA 1 - 7 to Turn On

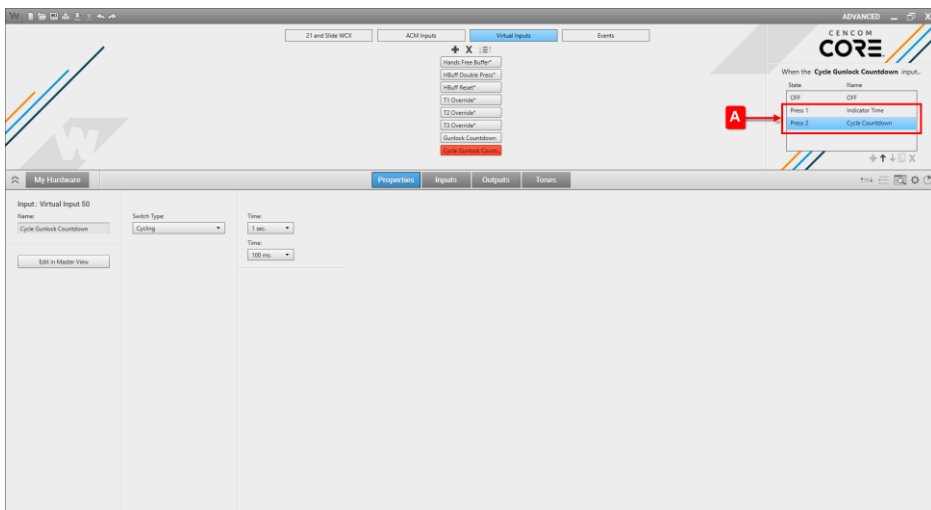


Navigate to each Press and turn on the corresponding TA Indicator until you finally reach Press 8 TA Indicator 1

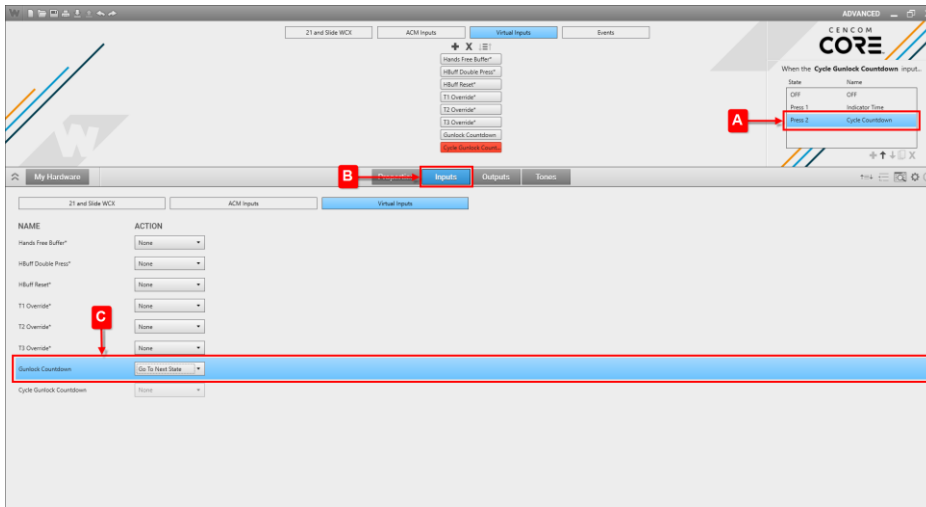




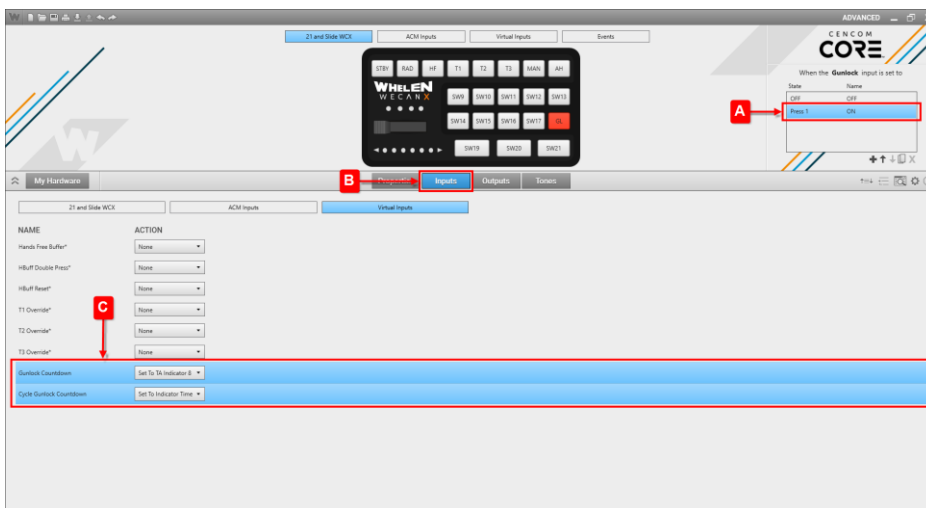
(A). Add a new **Virtual Input** on the **Properties** page (B). name it **Cycle Gunlock Countdown** and change the switch type to **Cycling** (C). set **Time 1** for **1 sec.** and **Time 2** for **100 ms.**



(A). Name **Press 1 Indicator Time** and **Press 2 Cycle Countdown**



With Cycle Gunlock Countdown selected (A), press 2 Cycle Countdown on the (B). Inputs page under the Virtual Inputs tab (C). Set the action for Gunlock Countdown to Go To Next State



On the Gunlock input (A), Press 1 On on the (B). Inputs page under the Virtual Inputs tab (C), set the action for Gunlock Countdown to Set To TA Indicator 8 and Cycle Gunlock Countdown to Set To Indicator Time

On the **Gunlock** input (A). **OFF** state on the (B). **Inputs** page under the **Virtual Inputs** tab (C). set the action for **Gunlock Countdown** and **Cycle Gunlock Countdown** to **Set To OFF**

Depending on desired operation **Priorities** may need to be adjusted

## Scenario Synopsis

When the **Gunlock** input is activated the **TA Indicators** on the control head will countdown from **right** to **left** indicating how much time is left before the **Gunlock** times out.





This Document is Copyright Protected © Copyright

This document contains products that are trademarked by the Whelen Engineering Company, Inc.

Reproduction is prohibited. Prices included are for reference only, refer to the Whelen Engineering Automotive Price List and its addenda for current pricing.

Whelen Engineering Company reserves the right to modify its products from those printed in this presentation.

Refer to published product bulletins for specifications.