

CenCom Core™ Advanced Traffic Advisor™



Whelen Engineering Company, Inc.

WHELEN

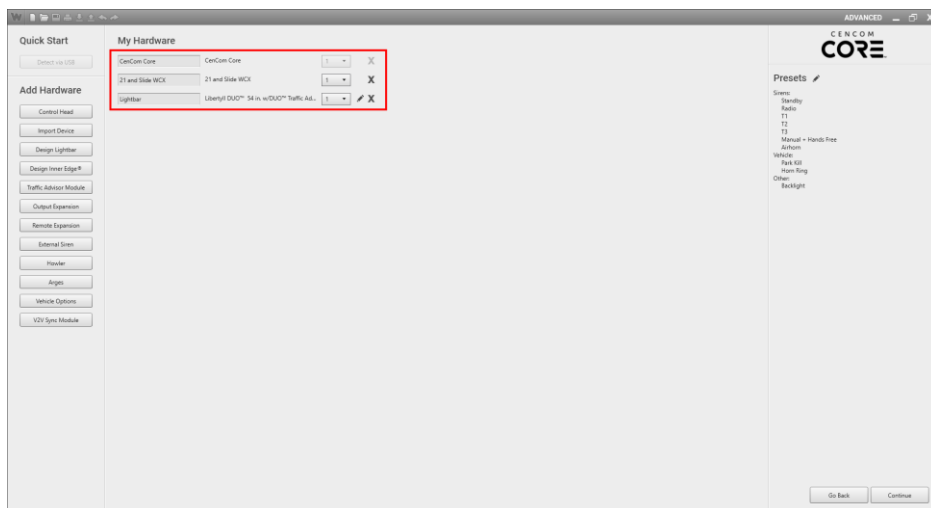
Scenario Operation

The Advanced TA Scenario configures the Traffic Advisor™ in CenCom Core™ to display a Traffic Advisor sweep for a set amount of time then display a warning pattern for another set amount time.

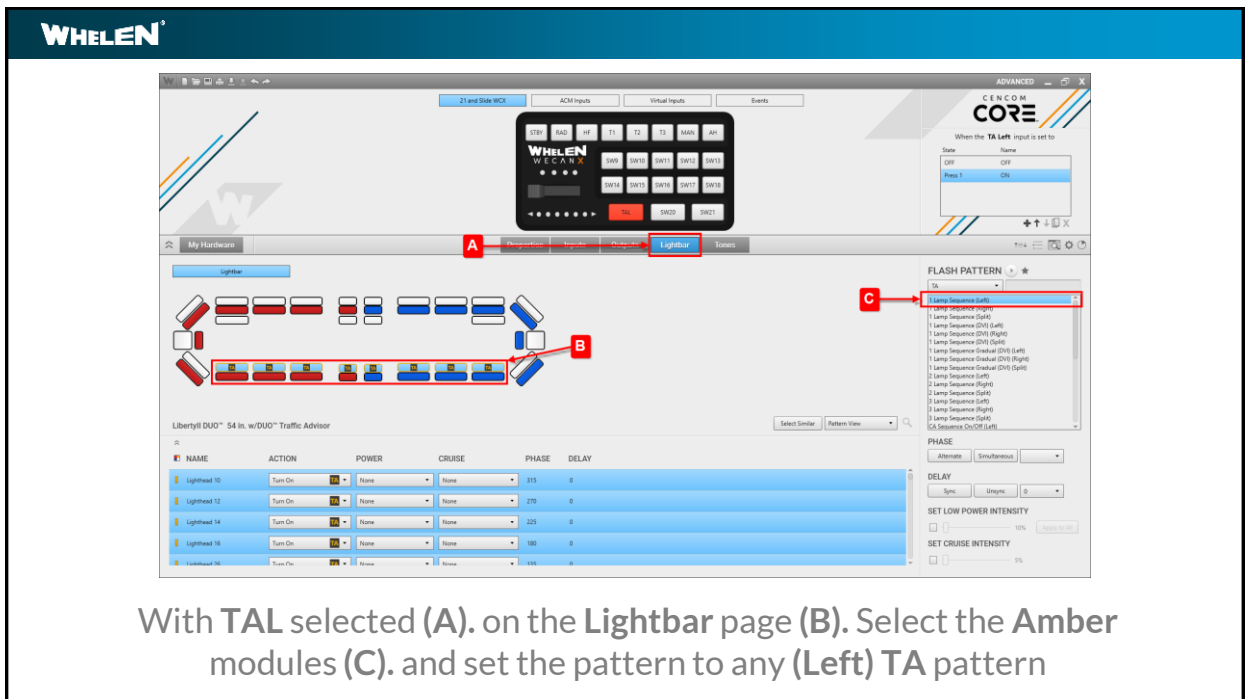
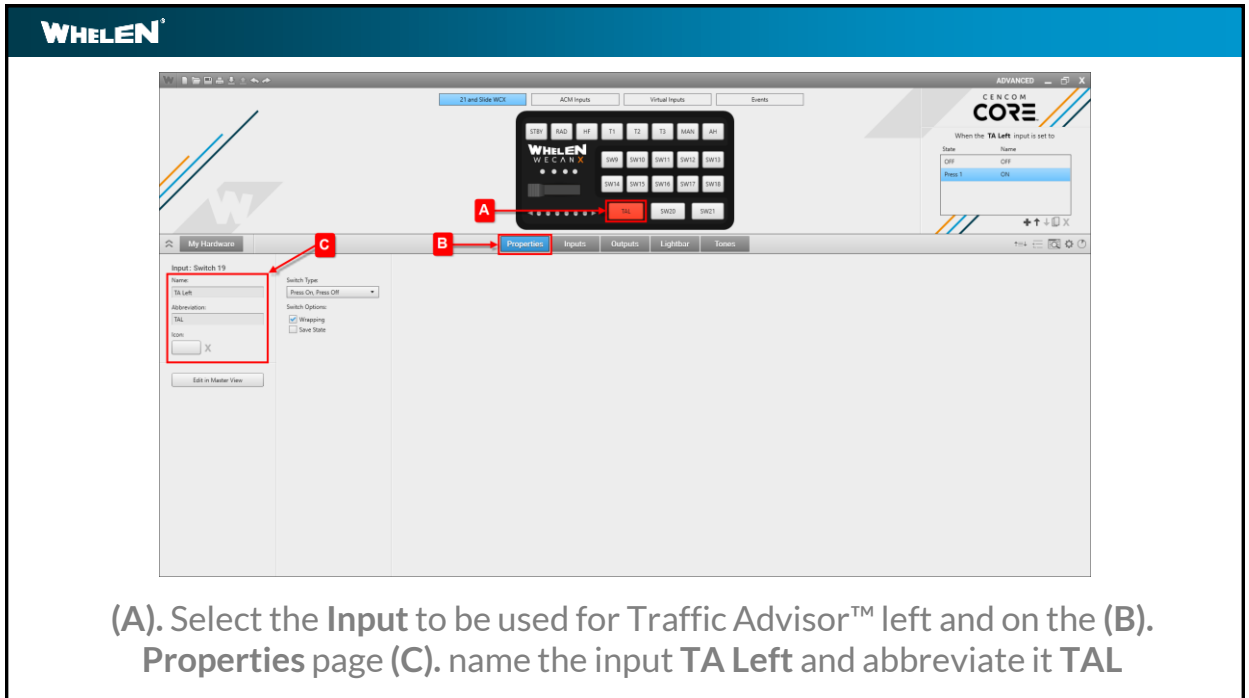
The two patterns will continue to cycle until the Traffic Advisor is turned off.

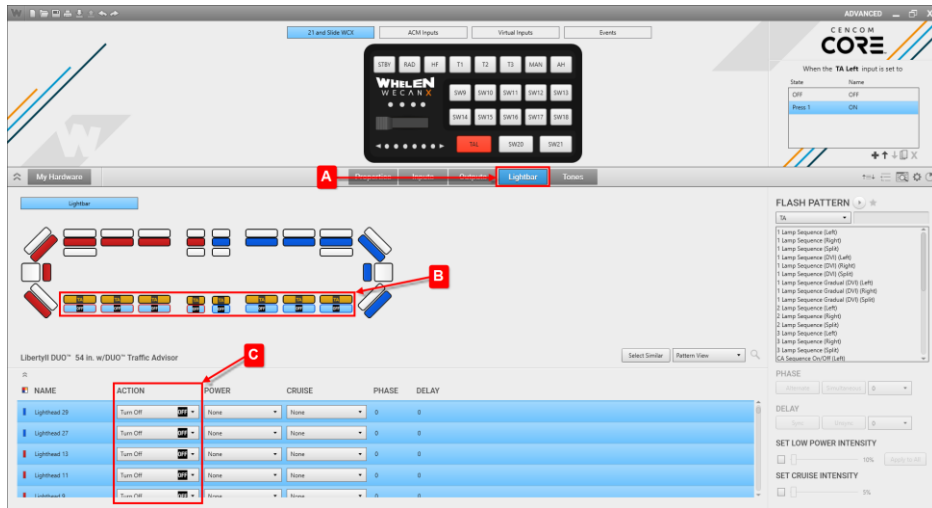
Configuration Requirements

- CenCom Core™
- Control Head
- Lighting (Outputs, Lightbars, Inner Edge®)
- 1 Virtual Input
- 2 Events
- Priority Adjustments

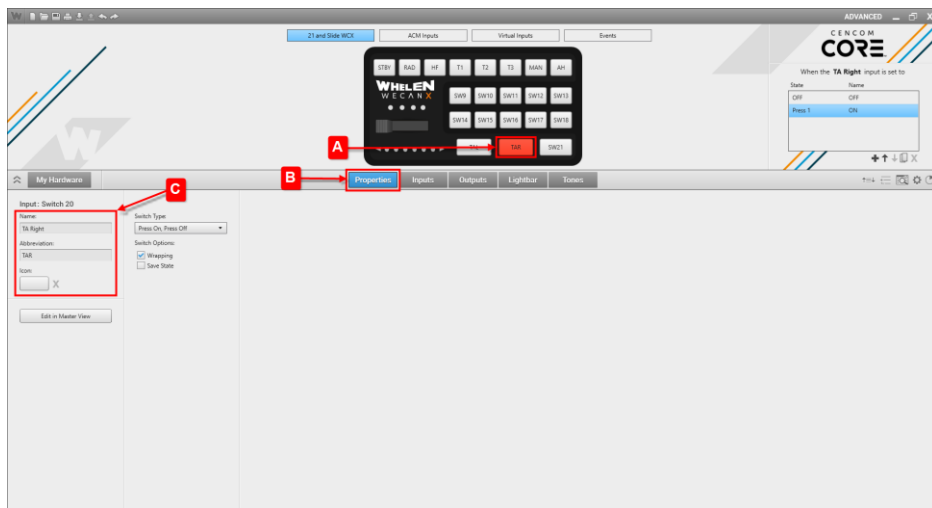


Add all required hardware

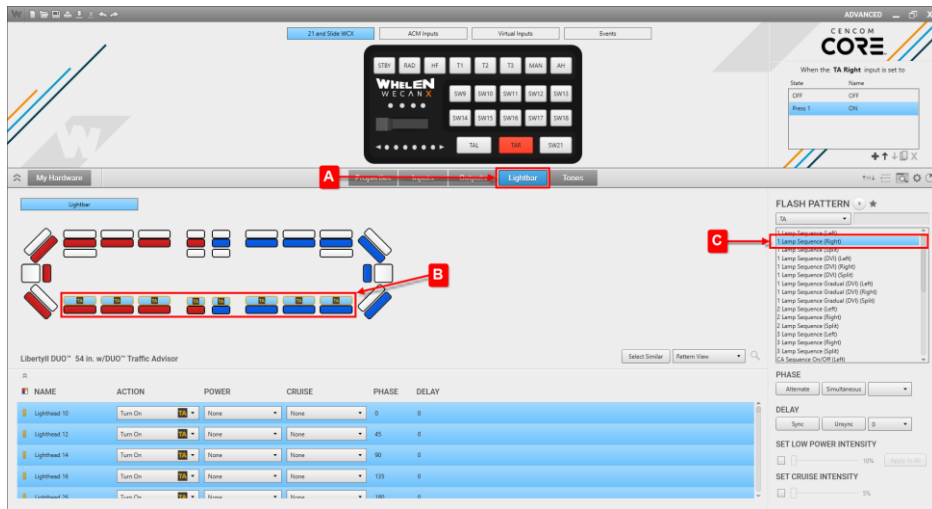




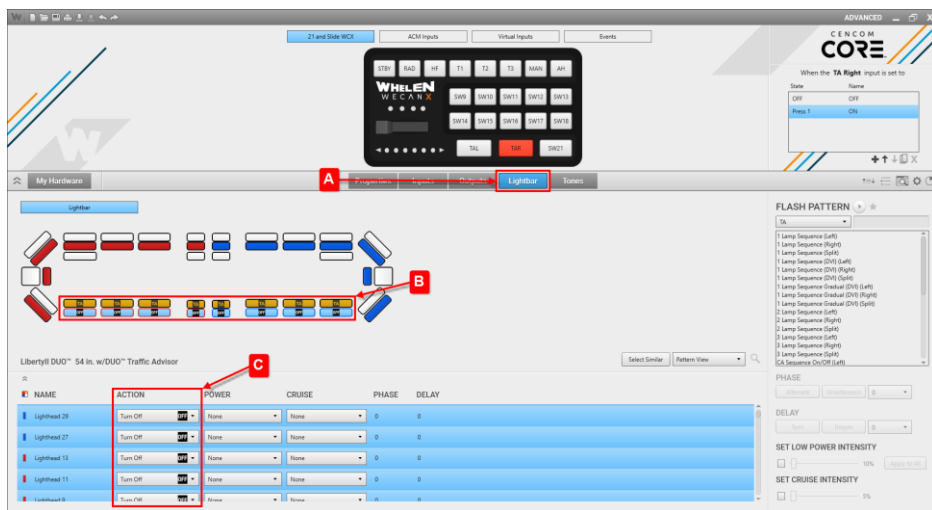
With **TAL** selected (A). on the **Lightbar** page (B). select the **Red** and **Blue** modules (C). and set the **Action** to **Turn Off**



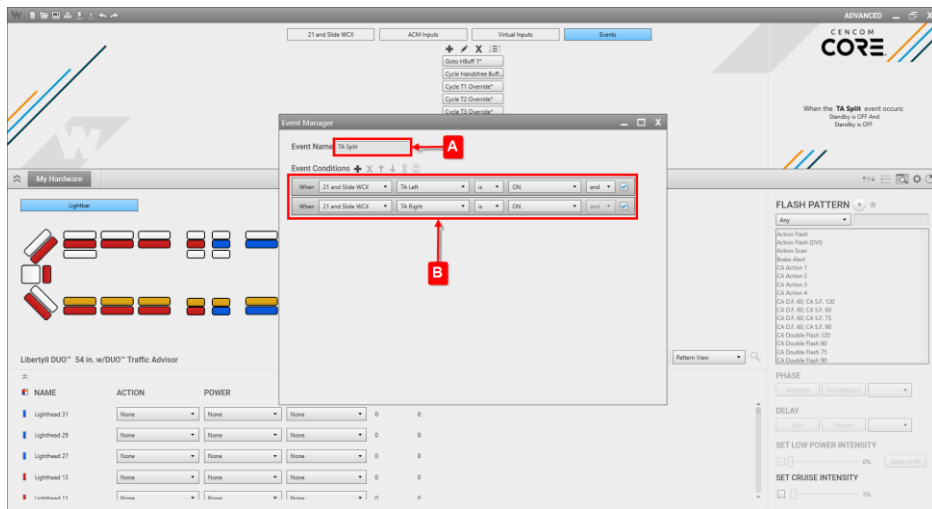
(A). Select the **Input** to be used for Traffic Advisor™ right and on the (B). **Properties** page (C). name the input **TA Right** and abbreviate it **TAR**



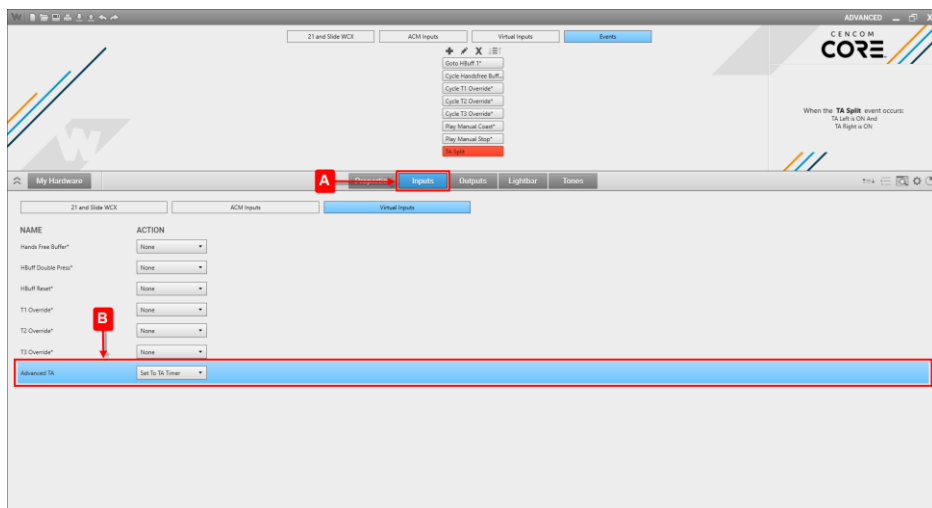
With **TAR** selected (A). on the **Lightbar** page (B). Select the **Amber** modules (C). and set the pattern to any (Right) **TA** pattern



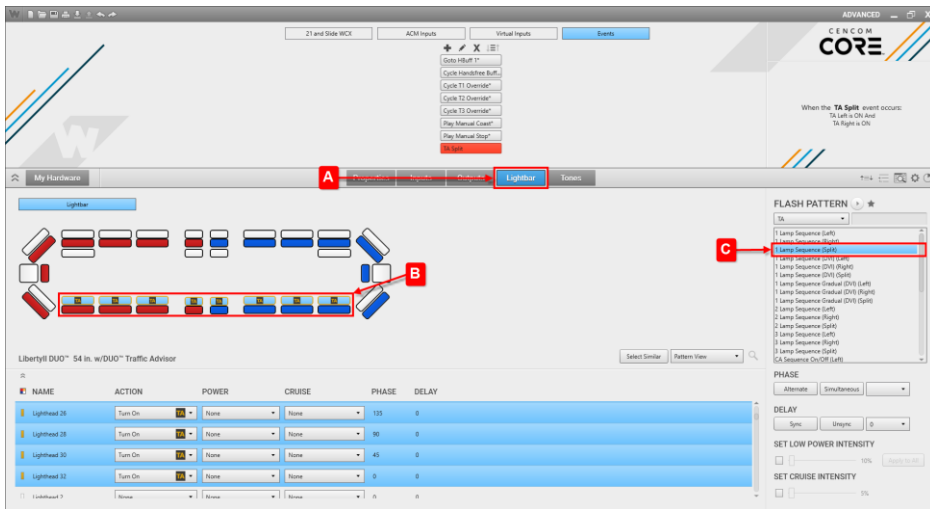
With **TAR** selected (A). on the **Lightbar** page (B). select the **Red** and **Blue** modules (C). and set the **Action** to **Turn Off**



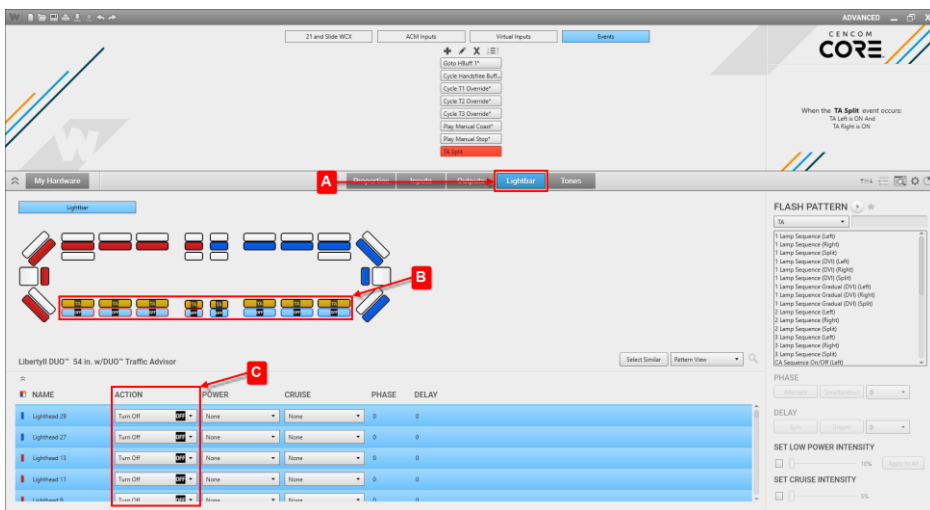
Add a new Event and (A). name it **TA Split** it will have 2 event conditions (B). **21 and Slide WCX TA Left is ON** and, **21 and Slide WCX TA Right is ON**



With the **TA Split** event selected on the (A). **Inputs** page under the **Virtual Inputs** tab (B). set the **Action** for **Advanced TA** to **Set To TA Timer**



On the **TA Split** event (A), on the **Lightbar** page (B), Select the **Amber** modules (C), and set the pattern to any (**Split**) TA pattern



On the **TA Split** event (A), on the **Lightbar** page (B), select the **Red and Blue** modules (C), and set the **Action** to **Turn Off**

WHELEN[®]

21 and Slide WCK

ACM Inputs

Virtual Inputs

Events

+

X

12

Hands Free Buffer

inBull Double Press

inBull Reset

T1 Overload

T2 Overload

T3 Overload

Advanced TA

ADVANCED

CENCOM

CORE

When the Advanced TA input is set to

State

Press 1

Press 2

Press 1

Press 2

My Hardware

Properties

Inputs

Outputs

Lightbar

Tones

Input: Virtual Input 49

Name

Advanced TA

Switch Type

Cycling

Time

4 sec

Time

4 sec

Edit in Master View

WHELEN[®]

21 and Slide WCK

ACM Inputs

Virtual Inputs

Events

+

X

12

Hands Free Buffer

inBull Double Press

inBull Reset

T1 Overload

T2 Overload

T3 Overload

Advanced TA

ADVANCED

CENCOM

CORE

When the Advanced TA input is set to

State

Press 1

Press 2

Press 1

Press 2

My Hardware

Properties

Inputs

Outputs

Lightbar

Tones

Input: Virtual Input 49

Name

Advanced TA

Switch Type

Cycling

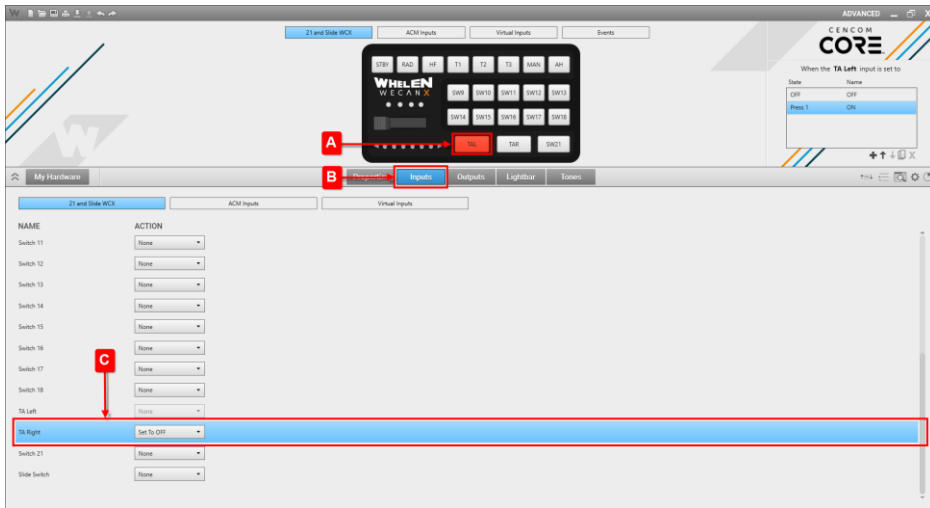
Time

4 sec

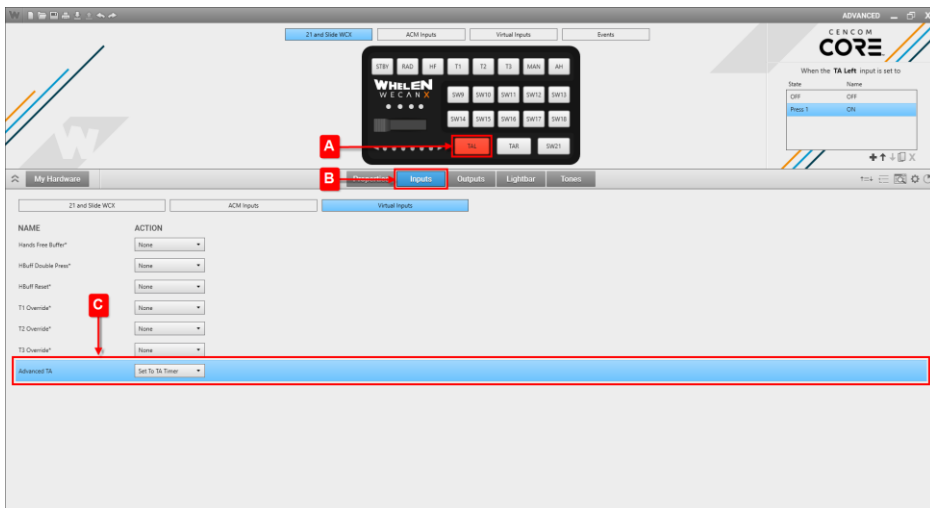
Time

4 sec

Edit in Master View



(A). With **TAL** selected on the (B). **Inputs** page under the **21 and Slide WCX** tab (C). set the **Action** for **TA Right** to **Set To OFF**



(A). With **TAL** selected on the (B). **Inputs** page under the **Virtual Inputs** tab (C). Set the **Action** for **Advanced TA** to **Set To TA Timer**

WHELEN

21 and Slide WCX

ACM Inputs

Virtual Inputs

Events

ADVANCED CENCOM CORE

When the TA Right input is set to:

Date	Name
0000	0000
Press 1	0000

My Hardware

21 and Slide WCX

ACM Inputs

Virtual Inputs

NAME	ACTION
Switch 11	Name
Switch 12	Name
Switch 13	Name
Switch 14	Name
Switch 15	Name
Switch 16	Name
Switch 17	Name
Switch 18	Name
TA Left	Set To OFF
TA Right	Name
Slide Switch	Name

(A). With TAR selected on the (B). Inputs page under the 21 and Slide WCX tab (C). set the Action for TA Left to Set To OFF

WHELEN

21 and Slide WCX

ACM Inputs

Virtual Inputs

Events

ADVANCED CENCOM CORE

When the TA Right input is set to:

Date	Name
0000	0000
Press 1	0000

My Hardware

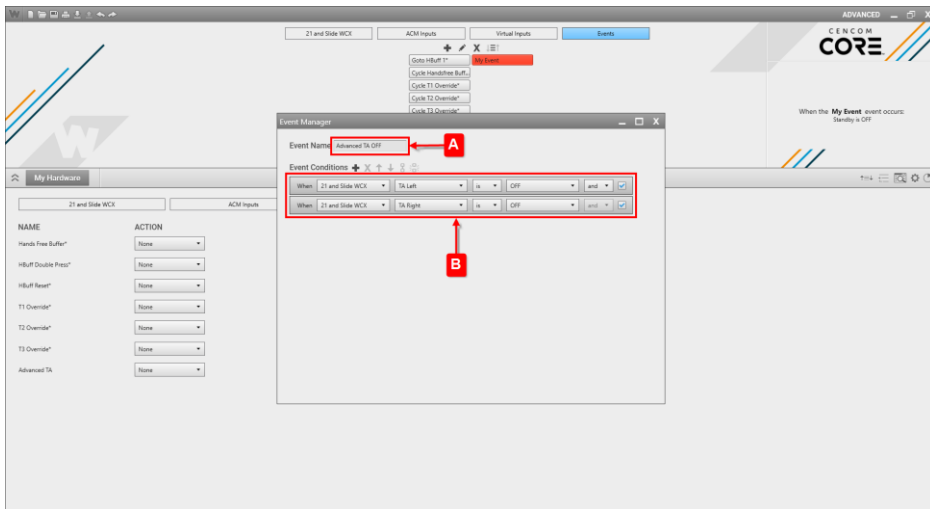
21 and Slide WCX

ACM Inputs

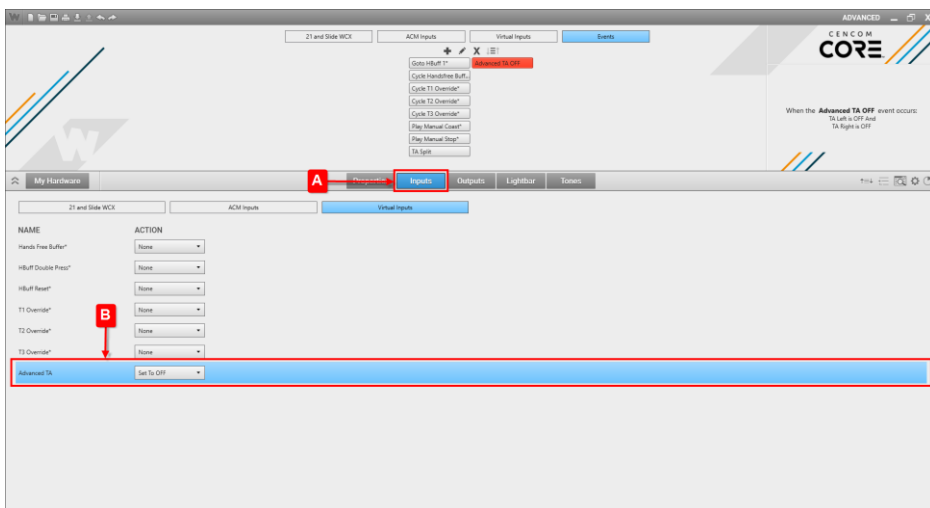
Virtual Inputs

NAME	ACTION
Hands Free Buffer	Name
HSBuff Double Press	Name
HSBuff Reset	Name
T1 Overload	Name
T2 Overload	Name
T3 Overload	Name
Advanced TA	Set To TA Timer

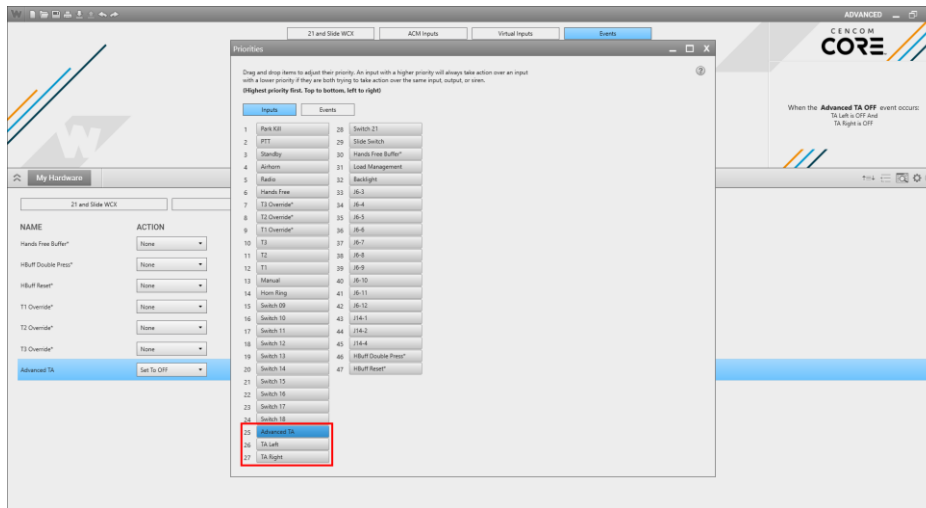
(A). With TAR selected on the (B). Inputs page under the Virtual Inputs tab (C). Set the Action for Advanced TA to Set To TA Timer



Add a new Event (A). name it **Advanced TA OFF** it will have 2 event conditions (B). 21 and Slide WCX TA Left is OFF and, 21 and Slide WCX TA Right is OFF



With the **Advanced TA OFF** event selected on the (A). Inputs page under the **Virtual Inputs** tab (B). Set the **Action** for the **Advanced TA** to **Set To OFF**



Move the **Advanced TA** virtual input above **TA Left** and **TA Right** to make sure that the **Advanced TA** overrides the **Traffic Advisor™**

Scenario Synopsis

When **TA Left**, **TA Right** or the **TA Split** event is active the **Advanced TA** virtual input is set to **Press 1 TA Timer**. The **TA Timer** runs for 4 seconds while the **TA** pattern is displayed. When the **TA Timer** cycles to **Press 2 TA Warning**, the **TA** pattern is turned off displaying a flash pattern on the **Red** and **Blue** modules. **TA Warning** runs for 4 seconds before cycling back to **TA Timer**.

Once both **TA Left** and **TA Right** are turned off the **Advanced TA OFF** event turns off the **Advanced TA** virtual input.



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