



Command™ ACM Scenario

Brake Pedal Override

» » » » » » » » » » LEADING THE WAY IN INNOVATION » » » » » » » » » »

2

ACM Scenario

The following ACM Scenario will work the same with the systems listed below. When using Carbide and CanTrol® we can use CANport™ to read vehicle signals. We will build the scenario using CanTrol.

- HHS4200
- CenCom Sapphire™
- CenCom Carbide™
- CanTrol® WC

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3

ACM Brake Override

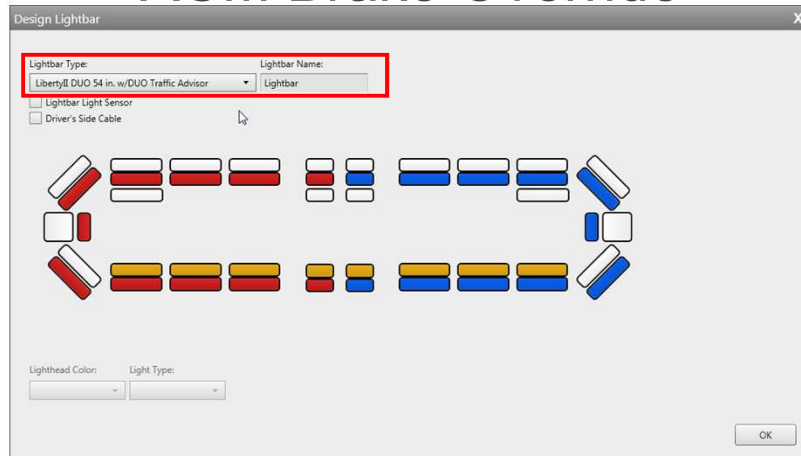


In this **Brake** override scenario, we will turn off warning modules in the rear of the lightbar, and steady modules as supplemental brake lighting. This helps so the following officer can see that the lead vehicle is slowing down



4

ACM Brake Override

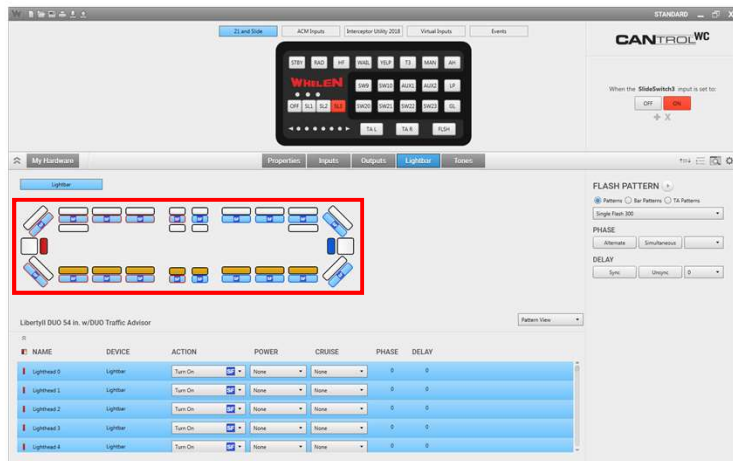


The lightbar we are using is the **Liberty II Duo 54in. w/Duo Traffic Advisor**



5

ACM Brake Override

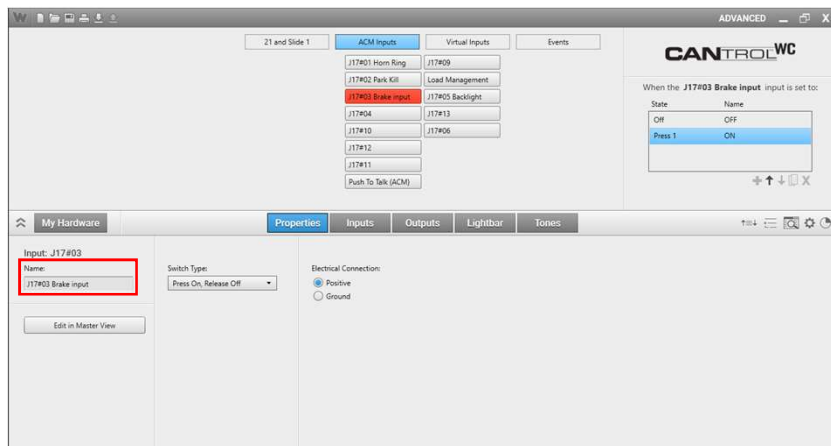


Select **SL3** and on the lightbar page program the front and rear of the lightbar to flash **Single Flash 300** alternating phase 1 and phase 2



6

ACM Brake Override

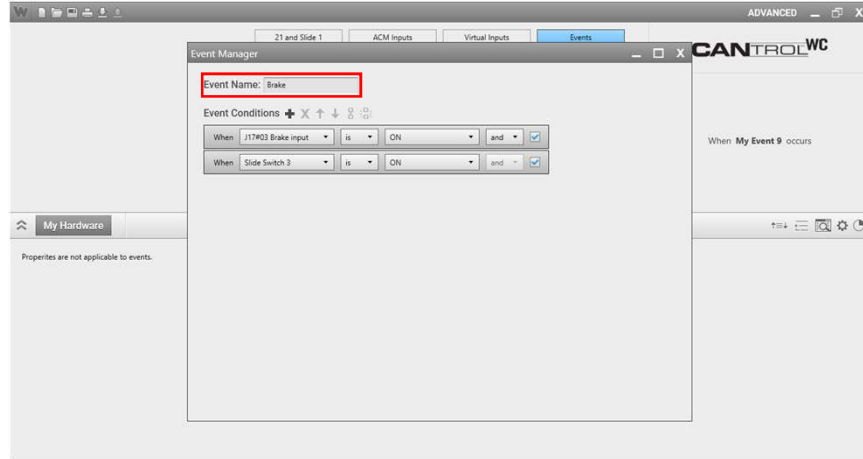


J17#03 will be named **J17#03 Brake input** and will need to be connected to a 12 volt brake signal



7

ACM Brake Override

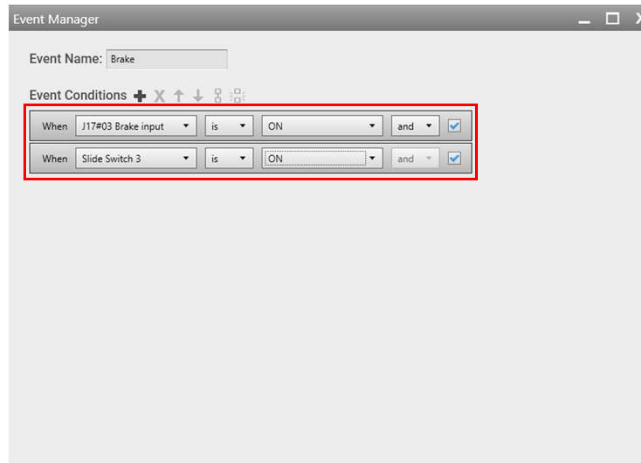


Now that we are reading a Brake signal we need to add our brake **Event** and name it **Brake**



8

ACM Brake Override



We will need to add 2 conditions. **Slide Switch 3** and **J17#3 Brake Input is ON**



9

ACM Brake Override

#	NAME	DEVICE	ACTION	POWER	CRUISE	PHASE	DELAY
1	Lighthead 24	Lightbar	Turn Off	None	None	0	0
2	Lighthead 40	Lightbar	Turn On	None	None	0	0
3	Lighthead 33	Lightbar	Turn Off	None	None	0	0
4	Lighthead 39	Lightbar	None	None	None	0	0
5	Lighthead 35	Lightbar	Turn Off	None	None	0	0

Once we have our conditions set we can program our **Brake** Event to **turn OFF** selected modules in the rear of the lightbar



10

ACM Brake Override

#	NAME	DEVICE	ACTION	POWER	CRUISE	PHASE	DELAY
1	Lighthead 39	Lightbar	Turn On	None	None	0	0
2	Lighthead 24	Lightbar	Turn On	None	None	0	0
3	Lighthead 40	Lightbar	Turn Off	None	None	0	0
4	Lighthead 35	Lightbar	Turn Off	None	None	0	0

Once we have turned off the selected modules, we will select the modules that we want use as supplemental brake lighting and set the pattern to **Brake Alert**



11

ACM Brake Override

Drag and drop items to adjust their priority. An input with a higher priority will always take action over an input with a lower priority if they are both trying to take action over the same input, output, or siren.
(Highest priority first, Top to bottom, left to right)

Restore Defaults

Priority	Input	Priority	Input	Priority	Input	Priority	Input	Priority	Input
1	Load Management	13	Tone 2	25	Switch 20	37	J17#11	49	Virtual 14
2	Push To Talk (ACM)	14	Tone 1	26	Switch 21	38	J17#09	50	Virtual 15
3	J17#02 Park KB	15	Ta Flash	27	Switch 22	39	J17#13	51	Hands Free Bu
4	J17#03 Brake Input	16	Ta Direction Left	28	Switch 23	40	J17#06	52	Slide Switch B
5	Standby	17	Ta Direction Right	29	Switch 24	41	Virtual 06	53	J17#05 Backli
6	Aluhorn	18	Manual	30	Slide Switch 3	42	Virtual 07		
7	Radio	19	J17#01 Horn Ring	31	Slide Switch 2	43	Virtual 08		
8	Handsfree	20	Switch 09	32	Slide Switch 1	44	Virtual 09		
9	T2 Override	21	Switch 10	33	Slide Switch Off	45	Virtual 10		
10	T2 Override	22	Switch 17	34	J17#04	46	Virtual 11		
11	T1 Override	23	Switch 18	35	J17#10	47	Virtual 12		
12	Tone 3	24	Switch 19	36	J17#12	48	Virtual 13		

Priority	Event
1	Slide Buffer*
2	Cycle Handsfree Buffer*
3	Cycle T1 Override*
4	Cycle T2 Override*
5	Cycle T3 Override*
6	Play Manual Coast*
7	Play Manual Stop*
8	Split TA*
9	Brake

We will want to make sure that **J17#03 Brake Input** is above **Slide Switch 3** in the priorities list, so the **OFF** pattern and the **Brake Alert** pattern will override the flash pattern on the rear of the lightbar



12

ACM Brake Override

NAME	DEVICE	ACTION	POWER	ORUSE	PHASE	DELAY
Lightbar 0	Lightbar		None	None	0	0
Lightbar 1	Lightbar		None	None	0	0
Lightbar 2	Lightbar		None	None	0	0
Lightbar 3	Lightbar		None	None	0	0
Lightbar 4	Lightbar		None	None	0	0

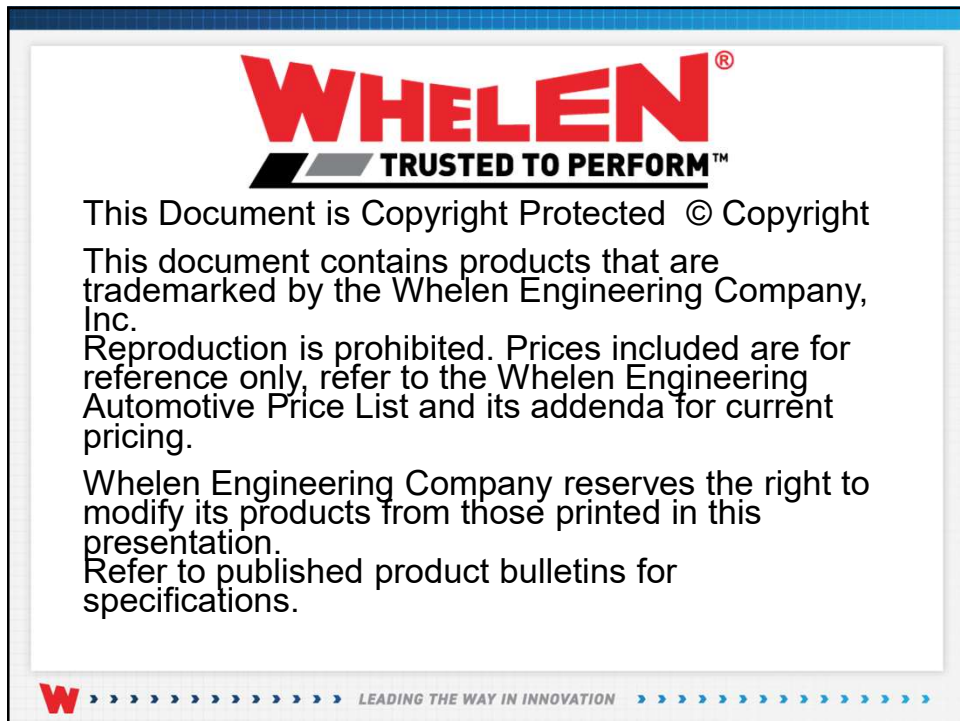
Now when the lightbar is flashing and we apply the vehicles brake the modules in the rear of the lightbar will turn off and two amber modules will display **Brake Alert**



13



14



15