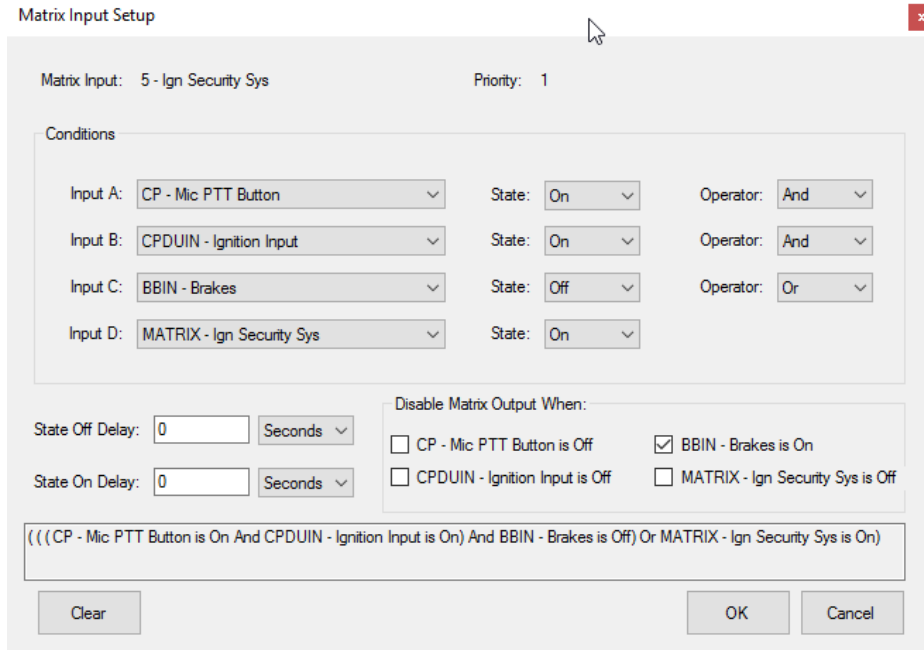


How to...

**Add Ignition Security System function to BluePrint....**

The following setup will allow the PA PTT Button to have a activate the Ignition Security System feature. Press the PTT button 1x and remove the key from the ignition. The vehicle will stay running until the brake pedal is pressed or it runs out of gas. Simply put the key back in the ignition and turn it to the RUN position and the Ignition Security System will reset.

Write a matrix that references the PTT button to activate the matrix. You will also need to reference the system’s Ignition input, the brakes and the matrix itself. This combination creates a loop which latches the matrix on. Be sure the check the box to **Disable the matrix** when the brakes are on. This matrix will be mapped to the outputs that are connected to the ignition. You can use Outputs 15 & 24 on the Central Controller or any Relay outputs on the 480 amplifier.



Matrix Input Setup

Matrix Input: 5 - Ign Security Sys      Priority: 1

Conditions

Input A:	CP - Mic PTT Button	State: On	Operator: And
Input B:	CPDUIN - Ignition Input	State: On	Operator: And
Input C:	BBIN - Brakes	State: Off	Operator: Or
Input D:	MATRIX - Ign Security Sys	State: On	

State Off Delay: 0 Seconds

State On Delay: 0 Seconds

Disable Matrix Output When:

- CP - Mic PTT Button is Off
- BBIN - Brakes is On
- CPDUIN - Ignition Input is Off
- MATRIX - Ign Security Sys is Off

((( CP - Mic PTT Button is On And CPDUIN - Ignition Input is On) And BBIN - Brakes is Off) Or MATRIX - Ign Security Sys is On)

Clear      OK      Cancel

**For Mapping Options, see next page.....**

## Using outputs on the Central Controller....

I/O Mapping Setup Siren Setup nForce Lightbar automatic logic ▾

INPUTS

Siren Control Panel Input Node Remote Nodes Central Controller Matrix

Priority

1	Matrix 1	<input type="radio"/> Not Assigned	1	Matrix 9	<input type="radio"/> Not Assigned
1	Matrix 2	<input type="radio"/> Not Assigned	1	Matrix 10	<input type="radio"/> Not Assigned
1	Matrix 3	<input type="radio"/> Not Assigned	1	Matrix 11	<input type="radio"/> Not Assigned
1	Matrix 4	<input type="radio"/> Not Assigned	1	Matrix 12	<input type="radio"/> Not Assigned
1	Matrix 5	<input checked="" type="radio"/> Ign Security Sys	1	Matrix 13	<input type="radio"/> Not Assigned
1	Matrix 6	<input type="radio"/> Not Assigned	1	Matrix 14	<input type="radio"/> Not Assigned
1	Matrix 7	<input type="radio"/> Not Assigned	1	Matrix 15	<input type="radio"/> Not Assigned
1	Matrix 8	<input type="radio"/> Not Assigned	1	Matrix 16	<input type="radio"/> Not Assigned

Setup...

OUTPUTS

Lightbar Control Remote Nodes Central Controller Siren / System 480 Siren Relays

Group One		Amps		Group Three		Amps	
#1	Not Assigned	5.0		#15	ISS Acc at Key	5.0	
#2	Not Assigned	10.0		#16	Not Assigned	10.0	
#3	Not Assigned	5.0		#17	Not Assigned	5.0	
#4	Not Assigned	10.0		#18	Not Assigned	10.0	
#5	Not Assigned	5.0		#19	Not Assigned	5.0	
Group Two		Amps		Group Four		Amps	
#6	Not Assigned	5.0		#20	Not Assigned	5.0	
#7	Not Assigned	10.0		#21	Not Assigned	10.0	
#8	Not Assigned	5.0		#22	Not Assigned	5.0	
#9	Not Assigned	10.0		#23	Not Assigned	10.0	
#10	Not Assigned	5.0		#24	ISS IGN at Key	5.0	

\* Alternate Phase

Total Current: **140.0**

## Using outputs on the 480 Amplifier....

INPUTS

Siren Control Panel Input Node Remote Nodes Central Controller Matrix

Priority

1	Matrix 1	<input type="radio"/> Not Assigned	1	Matrix 9	<input type="radio"/> Not Assigned
1	Matrix 2	<input type="radio"/> Not Assigned	1	Matrix 10	<input type="radio"/> Not Assigned
1	Matrix 3	<input type="radio"/> Not Assigned	1	Matrix 11	<input type="radio"/> Not Assigned
1	Matrix 4	<input type="radio"/> Not Assigned	1	Matrix 12	<input type="radio"/> Not Assigned
1	Matrix 5	<input checked="" type="radio"/> Ign Security Sys	1	Matrix 13	<input type="radio"/> Not Assigned
1	Matrix 6	<input type="radio"/> Not Assigned	1	Matrix 14	<input type="radio"/> Not Assigned
1	Matrix 7	<input type="radio"/> Not Assigned	1	Matrix 15	<input type="radio"/> Not Assigned
1	Matrix 8	<input type="radio"/> Not Assigned	1	Matrix 16	<input type="radio"/> Not Assigned

Setup...

OUTPUTS

Lightbar Control Remote Nodes Central Controller Siren / System 480 Siren Relays  Test Outputs

CN3		Load Shed		CN8		Load Shed	
#1	Not Assigned	Disabled		#10	Not Assigned	Disabled	
#2	Not Assigned	Disabled		#11	Not Assigned	Disabled	
#3	Not Assigned	Disabled		#12	Not Assigned	Disabled	
#4	Not Assigned	Disabled					
#5	Not Assigned	Disabled					
#6	Not Assigned	Disabled					
#7	Not Assigned	Disabled					
#8	Not Assigned	Disabled					
#9	Not Assigned	Disabled					

#7 - Ground Switching - Ignore Faults

#8 - Ground Switching - Ignore Faults