

Upfitter Interface Module® J1939 ONLY

Order Spec Sheet (Product Config. Form)



INTERNAL ONLY	
Config. Name	
Date Created	
Part Number	

Directions:

- Complete this form to specify custom configurations for your UIM J1939.
- Save and email with your order to: sales@lgs-group.com.

NOTES: This form is not for standard UIM or UIM4 products. Form not required if default configurations are desired (see Page 2).
CAN data may vary by chassis. Contact InterMotive for available chassis data.

PURCHASER INFORMATION

Date _____

Company Name _____

Contact Name _____

Phone Number _____

Email Address _____

Vehicle Make _____ Vehicle Model _____

Vehicle Year _____ Vehicle Engine _____

NOTES _____

PIN CONFIGURATIONS

- Choose the desired option(s) for each active (low) Pin.
 - For a single function, select “X”
 - For a multiple “AND” function, select “Y”
 - For a multiple “OR” function, select “Z”
- Use output pin equation: (LOGIC A or B) AND (LOGIC C or D) AND (LOGIC E or F).
EXAMPLE: Turn on PIN 2 when vehicle is in Park or Neutral AND Park Brake set AND switch 1 is “ON”
- Choose the parameter and enter the value (if applicable).

OPTIONS PID	PARAMETER	VALUE	PIN 1	PIN 2	PIN 3	PIN 4	PIN 5	PIN 6	PIN 7	PIN 8
Battery Voltage (VPWR)	<input type="checkbox"/> Above <input type="checkbox"/> Below	____ Volts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Clean Tach Output (CTO)	Variable Frequency	____ RPM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Engine Coolant Temp (ECT)	<input type="checkbox"/> Above <input type="checkbox"/> Below	____ °F	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Engine Running Status (RPM)	Digital	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Engine Speed (RPM)	<input type="checkbox"/> Above <input type="checkbox"/> Below	____ RPM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Intake Air Temp (IAT)	<input type="checkbox"/> Above <input type="checkbox"/> Below	____ °F	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Park Brake (PB)	<input type="checkbox"/> On <input type="checkbox"/> Off	N/A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Service Brake Applied (SB)	<input type="checkbox"/> On <input type="checkbox"/> Off	N/A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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PIN CONFIGURATIONS (continued)

1. Choose the desired option(s) for each active (low) Pin.
 - For a single function, select “X”
 - For a multiple “and” function, select “Y”
 - For a multiple “or” function, select “Z”
2. Use output pin equation: (LOGIC A or B) AND (LOGIC C or D) AND (LOGIC E or F).
EXAMPLE: Turn on PIN 2 when vehicle is in Park or Neutral AND Park Brake set AND switch 1 is “ON”
3. Choose the parameter and enter the value (if applicable).

OPTIONS PID	PARAMETER	VALUE	PIN 1	PIN 2	PIN 3	PIN 4	PIN 5	PIN 6	PIN 7	PIN 8
Switch Input 1 (J6/1)	<input type="checkbox"/> Power <input type="checkbox"/> Ground <input type="checkbox"/> Both	<input type="checkbox"/> True <input type="checkbox"/> False	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Switch Input 2 (J6/3)	<input type="checkbox"/> Power <input type="checkbox"/> Ground <input type="checkbox"/> Both	<input type="checkbox"/> True <input type="checkbox"/> False	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transmission Fluid Temp (TFT)	<input type="checkbox"/> Above <input type="checkbox"/> Below	_____ °F	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transmission in Park (TR)	Digital	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transmission Range (TR)	<input type="checkbox"/> P <input type="checkbox"/> R <input type="checkbox"/> N <input type="checkbox"/> D	N/A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicle Speed (VSS)	<input type="checkbox"/> Above <input type="checkbox"/> Below	_____ MPH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicle Speed (VSS)	Square Wave	2.2 Hz/MPH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Default Configurations: *(Form not required if default configurations are desired.)*

PIN 1: Purple wire | TR = R

PIN 2: Green wire | VSS > 65 MPH

PIN 3: White wire | ECT > 230°F

PIN 4: Gray wire | SB = Applied

PIN 5: Brown wire | Engine Running Status = True

PIN 6: Orange wire | VSS: 2.2Hz/MPH

PIN 7: Blue wire | TR = P

PIN 8: Yellow wire | CTO: 0-12V Pulsed

CTO = ((RPM/2)#Cyl) = pulses per minute*

Example: 600RPM = 2400 (8 cylinders)