Upfitter Interface Module® J1939 ONLY Order Spec Sheet (Product Config. Form)

Directions:

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

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INTERNAL ONLY	
Config. Name	
Date Created	
Part Number	

NOTES: *This form is not for standard UIM or UIM4 products. Form not required if default configurations are desired (see Page 2).*
Orders will not be processed without the install vehicle's make, model and year. *This information is needed for accurate configuration.*
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

1. Choose the desired option(s) for each active (low) Pin (1-4).
   - 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 *Preset*	PIN 6 *Preset*	PIN 7 *Preset*	PIN 8 *Preset*
Battery Voltage (VPWR)	☐ Above ☐ Below	_____Volts	☐	☐	☐	☐				
Clean Tach Output (CTO)	Variable Frequency	_____RPM	☐	☐	☐	☐				X
Engine Coolant Temp (ECT)	☐ Above ☐ Below	_____°F	☐	☐	☐	☐				
Engine Running Status (RPM)	Digital	_____	☐	☐	☐	☐	X			
Engine Speed (RPM)	☐ Above ☐ Below	_____RPM	☐	☐	☐	☐				
Intake Air Temp (IAT)	☐ Above ☐ Below	_____°F	☐	☐	☐	☐				
Park Brake (PB)	☐ On ☐ Off	N/A	☐	☐	☐	☐				
Service Brake Applied (SB)	☐ On ☐ Off	N/A	☐	☐	☐	☐				

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PIN CONFIGURATIONS (continued)

1. Choose the desired option(s) for each active (low) Pin (1-4).
   - 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 *Preset*	PIN 6 *Preset*	PIN 7 *Preset*	PIN 8 *Preset*
Switch Input 1 (J6/1)	☐Power ☐Ground ☐Both	☐True ☐False	☐	☐	☐	☐				
Switch Input 2 (J6/3)	☐Power ☐Ground ☐Both	☐True ☐False	☐	☐	☐	☐				
Transmission Fluid Temp (TFT)	☐ Above ☐ Below	_____°F	☐	☐	☐	☐				
Transmission in Park (TR)	Digital	_____	☐	☐	☐	☐			X	
Transmission Range (TR)	☐P ☐R ☐N ☐D	N/A	☐	☐	☐	☐				
Vehicle Speed (VSS)	☐ Above ☐ Below	_____MPH	☐	☐	☐	☐				
Vehicle Speed (VSS)	Square Wave	2.2 Hz/MPH	☐	☐	☐	☐		X		

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

PRESET:
PIN 5: Brown wire | Engine Running Status = True (Ground)
PIN 6: Orange wire | VSS: 2.2Hz/MPH (Pulsed)
PIN 7: Blue wire | TR = P (Ground)
PIN 8: Yellow wire | CTO: 0-12V (Pulsed)

CTO = ((RPM/2)#Cyl) = pulses per minute*
Example: 600RPM = 2400 (8 cylinders)