

Upfitter Interface Module® Order Spec Sheet (Product Configuration Form)



INTERNAL ONLY	
Config. Name	
Date Created	
Part Number	

Config Options:

- Recommended: Download the UIM Graphical User Interface (GUI) from the InterMotive website, complete the configurations, save and email with your order to: sales@lgs-group.com.
- Or complete this form to specify custom configurations for your UIM. Save and email with your order to: sales@lgs-group.com.

NOTES: This form is not for J1939 or UIM4 products. Form not required if default configurations are desired (see Page 3). Available CAN data may vary by make, model or year.
Orders will not be processed without the install vehicle's make, model and year.

PURCHASER INFORMATION

Date _____
 Company Name _____
 Contact Name _____
 Phone Number _____

Email Address _____
Vehicle Make _____ **Vehicle Model** _____
Vehicle Year _____ Vehicle Engine _____
 NOTES _____

OUTPUT CONFIGURATIONS

1. Choose the desired option(s) for each active (low) Pin/Output.
 - 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 <i>Output 1</i>	PIN 2 <i>Output 2</i>	PIN 3 <i>Output 3</i>	PIN 4 <i>Output 4</i>	PIN 8 <i>Output 5</i>	PIN 9 <i>Output 6</i>	PIN 10 <i>Output 7</i>	PIN 11 <i>Output 8</i>
ABS Event (ABS)	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"/>
A/C Clutch Engage (AC)	<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"/>
Airbag Deployed/Service (Airbag)	<input type="checkbox"/> On <input type="checkbox"/> Off	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Battery Voltage (VPWR)	<input type="checkbox"/> Above <input type="checkbox"/> Below <input type="checkbox"/> Equal To	_____ 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"/>
Baud Rate (Medium Duty, UIM805)	250kbps or 500kbps	_____ kbps	<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"/>
Door Locks (DL)	<input type="checkbox"/> Locked <input type="checkbox"/> Unlocked	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"/>
Door: Front Driver	<input type="checkbox"/> Open <input type="checkbox"/> Closed	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"/>
Door: Front Passenger	<input type="checkbox"/> Open <input type="checkbox"/> Closed	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"/>

Upfitter Interface Module Order Spec Sheet (Product Configuration Form), Page 2

OUTPUT CONFIGURATIONS (continued)

1. Choose the desired option(s) for each active (low) Pin/Output.
 - 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 <small>Output 1</small>	PIN 2 <small>Output 2</small>	PIN 3 <small>Output 3</small>	PIN 4 <small>Output 4</small>	PIN 8 <small>Output 5</small>	PIN 9 <small>Output 6</small>	PIN 10 <small>Output 7</small>	PIN 11 <small>Output 8</small>
Door: Rear Driver	<input type="checkbox"/> Open <input type="checkbox"/> Closed	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"/>
Door: Rear Passenger	<input type="checkbox"/> Open <input type="checkbox"/> Closed	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"/>
Door: Rear	<input type="checkbox"/> Open <input type="checkbox"/> Closed	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"/>
Engine Coolant Temp (ECT)	<input type="checkbox"/> Above <input type="checkbox"/> Below <input type="checkbox"/> Equal To	_____ °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	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 Cranking Status	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 <input type="checkbox"/> Equal To	_____ 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"/>
Fuel Level Input (FLI)	<input type="checkbox"/> Above <input type="checkbox"/> Below <input type="checkbox"/> Equal To	_____ %	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Headlights (HL)	<input type="checkbox"/> Off <input type="checkbox"/> Park <input type="checkbox"/> High <input type="checkbox"/> Low	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"/>
Ignition Status (IGN)	<input type="checkbox"/> On <input type="checkbox"/> Off	_____	<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 <input type="checkbox"/> Equal To	_____ °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"/>
Seat Belt: Driver	<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"/>
Seat Belt: Passenger	<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"/>
Seat Belt: Rear Driver	<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"/>
Seat Belt: Rear Passenger	<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"/>
Switch Input 1 (INPUT1)	<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 (INPUT2)	<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"/>

Upfitter Interface Module Order Spec Sheet (Product Configuration Form), Page 3

OUTPUT CONFIGURATIONS (continued)

1. Choose the desired option(s) for each active (low) Pin/Output.
 - 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 <small>Output 1</small>	PIN 2 <small>Output 2</small>	PIN 3 <small>Output 3</small>	PIN 4 <small>Output 4</small>	PIN 8 <small>Output 5</small>	PIN 9 <small>Output 6</small>	PIN 10 <small>Output 7</small>	PIN 11 <small>Output 8</small>
Throttle Position (APP)	<input type="checkbox"/> Closed <input type="checkbox"/> Open <input type="checkbox"/> Wide Open	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"/>
Transfer Case	<input type="checkbox"/> 2WD <input type="checkbox"/> 4WD Low <input type="checkbox"/> 4WD High	_____	<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 <input type="checkbox"/> Equal To	_____ °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 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"/>
Turn Signals (TS)	<input type="checkbox"/> Off <input type="checkbox"/> Left <input type="checkbox"/> Right <input type="checkbox"/> Either	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 <input type="checkbox"/> Equal To	_____ 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"/>	—	—

NOTES: *This form is not for J1939 or UIM4 products.
 Available CAN data may vary by make, model or year.*

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 8:** Brown wire | Engine Running Status = True
- PIN 9:** Orange wire | VSS: 2.2Hz/MPH
- PIN 10:** Blue wire | TR = P
- PIN 11:** Yellow wire | CTO: 0-12V Pulsed
CTO = ((RPM/2)#Cyl) = pulses per minute*
Example: 600RPM = 2400 (8 cylinders)