

# WORK SMARTER THAN EVER.

A new **Upfitter Interface Module (UIM)**<sup>1</sup> for **Super Duty**<sup>®</sup> allows you to develop “smart” logic controls for your final-stage installed equipment – allowing end users to be more confident in controlling their upfits for a more seamless upfit experience.



Vehicles shown with optional features and aftermarket equipment.  
<sup>1</sup>Available feature. Fleet only on Pickups.

# CONTROL YOUR UPFIT WITH SMART LOGIC.



## WHAT YOU GET.

The .exe program to modify and input your code for programming and delivering a smart upfit to your customer. Plus, unlike aftermarket upfitter modules currently on the market, the Upfitter Interface Module (UIM)<sup>1</sup> is warranted by Ford<sup>2</sup> and will not interrupt the Computer Area Network (CAN) data. In a 2017 Super Duty<sup>®</sup> equipped with the new UIM, the UIM and blunt cut harness consist of:

- Downloadable software to configure the UIM
- 10 configurable inputs:
  - Inputs 1 through 9 offer**
    - Mechanical-Latching (toggle-switch) or Momentary: software-toggle (push-on, push-off)
    - Active High or Active Low
  - Input 10 offers**
    - (9) Mechanical-Latching (toggle-switch) or Momentary: software-toggle (push-on, push-off)
    - (1) Active Low (fixed)
- 7 low-side driver output pins
- 8 high-side driver output pins
- Various CAN signals (descriptive names in configuration software)
- 3' long wires with UIM connectors

NOTE: You must use external relays to drive/control any equipment. The UIM module cannot provide high-current output control.

## WHAT YOU DO.

**Step 1:** Locate the UIM under the glove box above the hush panel. It comes with 3' harness connections for both input and output connectivity.

**Step 2:** Connect your laptop via the USB port and program the UIM with your logic control configuration.

## HOW YOU'LL BENEFIT.

The UIM gives you the ability to deliver a finished upfit, complete with “smart controls,” that will better satisfy the needs of your customer. Plus, by having certain parameters programmed to automatically react to the vehicle’s CAN data, it helps to reduce the chance of user error that could damage the upfit. See the examples at right.

For more info: [fleet.ford.com/partsandservice/upfitter-interface](http://fleet.ford.com/partsandservice/upfitter-interface)

<sup>1</sup>Available feature. Fleet only on Pickups. <sup>2</sup>Covered by New Vehicle Limited Warranty. Please ask your Ford Dealer for a copy of this limited warranty. Body manufacturers are responsible for compliance certification of the completed vehicle. The Ford New Vehicle Limited Warranty and any government certification made by Ford shall cover only the vehicle as manufactured by Ford and shall not extend to any addition (hardware or software), modification or change of, or to, the vehicle by the Ford Authorized Pool Account.

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## FOR EXAMPLE:

### LOW-COMPLEXITY SOLUTION

**Having a salt spreader stop whenever the driver leaves the vehicle.** With the smart logic control of the UIM, the spreader can be programmed to disengage if the following parameters are met: vehicle enters either Park or Neutral, the driver door is open AND the safety belt is unbuckled. Instead of the driver having to remember to flip the spreader switch to Off, it will automatically disengage if these conditions are met.

### MEDIUM-COMPLEXITY SOLUTION

**Varying a salt spreader speed based on vehicle speed.** By programming the module to different conditions – say “Salt spreader Speed 1 below 3 mph” and “Salt spreader Speed 2 between 4 and 10 mph,” the module automatically outputs that data to the spreader based on CAN data from the vehicle – telling it to be at Speed 1 or Speed 2 based on vehicle speed. No input is needed from the driver.

### HIGH-COMPLEXITY SOLUTION

**Preventing the operation of a mechanical device when certain vehicle conditions are not in range.** Say you have a front-mounted auger – you can program the module to monitor these critical parameters: vehicle in Park or Neutral, engine status, and operator safety engaged. The auger will only operate while all parameters are in a normal mode. If the UIM detects an out-of-range condition, the auger will switch to Off automatically.