



See: [http://www.inpowerelectronics.com/throttle\\_selector](http://www.inpowerelectronics.com/throttle_selector)

## Technical Description

InPower's Ford 2023 F250-F600 Data Bus Throttle (DBT-MDF23) does more than just provide high idle and PTO when and how you need it. It can also output any engine signal you need.

Each module has three adjustable RPM settings and two remote RPM controls, as well as six chassis outputs for signal, such as Park, Park Brake, Reverse, or Engine Run. The DBT-MDF23 provides breakout of PTO Signals for the user, and utilizes Ford SEIC functions and communicates across CAN. It can be wired to a 0 to 5V sensor, or a 2nd (remote) accelerator pedal.

Also Decodes PARK and PARK BRAKE from the Chassis Data Bus.

The module ships with two cables, one of which connects to the Trailer Brake Controller Module port, an optional sensor and power, and the other of which connects to all inputs and outputs, including PTO. Diagnostic LEDs aid in troubleshooting, while the lightweight, low profile design makes installation easy.

## Available I/O Signals

- Output Park (GND)
- Output Park Brake (GND) and (12V TRUE)
- Output Reverse (+12Vdc)
- Output Engine Run (+12Vdc)

## Features

- Three Selectable RPMs
- RPMs are Independently Adjustable and Store User Set Values Permanently.
- Utilizes FORD SEIC Functions
- Decoded Park (GND) and Park Brake Signals (GND) and (12V)
- Six Engine Signal Outputs
- CAN communication
- Diagnostic LEDs
- Affordable and Reliable

## Ordering Guide

Model Number	Vehicle	Notes
DBT-MDF23	Ford	
DBT-MDF23-C	Ford	Contact Inpower for Programmed Options Custom Chassis Signals

Note: Custom Modules available, if you need custom outputs or signals from the databus not available in our standard configuration.

*For Additional Integration Information Please refer to the DBT-MDF23 OM-256 Owners Manual*

# DBT-MDF23

# 2023 F250-F600 Vehicle Throttle

## Power Requirements & Notes

+12 volts: Sourced from Blunt Cut Wires  
 Ground: Connects to Solid Battery Ground Blunt Cut Wire  
 RPM1: 1500 Preset select - Pink Wire (Group 2 Inputs)  
 RPM2: 1200 Preset select - Tan Wire (Group 2 Inputs)  
 RPM STBY: 950 Preset select - Violet Wire (Group 2 Inputs)  
 Speed Adjust Input: Adjusts preset RPM to desired value between 900 and 3000 RPM - (SEIC Max), Chassis and Engine Dependent).  
 Adj Preset RPM: Select RPM1, RPM2, etc to be adjusted with 12VDC, apply +12 to Grey Adjust Wire to increase, apply GND to decrease (50RPM per second) 25 rpm per bump (less than a second)  
 Dimensions: 4.4 L x 2.62 W x 0.8 H inches

## Chassis Ready Conditions:

1. Engine running at idle speed below 1,000 RPM.
2. No vehicle speed.
3. Automatic transmission in Park.
4. Service brake not depressed.
5. Accelerator pedal not depressed.
6. Parking brake set.
7. No Diagnostic Trouble Code (DTC).
8. Check Engine light must be off.

## LED Status Indicators:

BUS	Solid indicates bus communication
RPM1	Indicates elevated fixed speed mode RPM1
RPM2	Indicates elevated fixed speed mode RPM2
RMT 0-5V	Operating in Remote Adjust (remote accel)
RMT PWM	Not Used
RPM STBY	Stdby RPM setting
PARK	Gear Selection is in Park
PARK BRAKE	Park Brake Engaged
S BRAKE	Service Brake Engaged
V SPEED	Vehicle Speed
ACCELERATOR	Accelerator Engaged

## Mechanical Drawing

