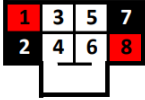


Pro Expansion Module Quickstart Guide

Main Connector

Main Connector



Color: Black

Pin	Wire	Description
1	Red	Can H - Connect this wire to the CAN H of your Megasquirt ECU (Red/Black Twisted Pair)
2	Black	Can L - Connect this wire to the CAN L of your Megasquirt ECU (Red/Black Twisted Pair)
3	N/A	
4	N/A	
5	N/A	
6	N/A	
7	Black	Ground - Connect to a "Clean" Ground Source
8	Red	12V Ignition - Connect to a "Clean" switched battery source

Connection from Dash to ECU: Wire the Can H/L Wires (Red/Black Twisted Pair) to the ECU Can H/L Wires

Troubleshooting Module Not Connecting:

- Verify Wiring - Make sure the Red (12V Ignition) and Black (Ground) are **NOT** hooked up to the **CAN H/L wires**. This is the 6ft long twisted wire pair that goes to your Megasquirt ECU.
- Verify 12V - Use a Volt Meter to verify there is 12V to both the Red Wire (12V Battery) and the Yellow Wire (12V Switched).

Dash Setup & Configuration

After the assembly process of your Expansion Module, you were requested to provide your Current Project.

If you did this, you were emailed an updated copy of your Project. You will need to delete your old Project and replace it with the one that we provided to you. If you need assistance in this step please do contact support@dd-efi.com

If you did **NOT, please contact support@dd-efi.com to complete this step of the setup and configuration process.**

I/O Connectors

The DD-EFI Pro Dash has (2) I/O Connectors for Sensors and Digital Inputs. Below are diagrams outlining what each Pins location, function, and wire color in the 12 Pin and 10 Pin black connectors. Provided: Sensor and Digital Wiring Harnesses, 2:6 Lever Lock Connector, (4) T-Tap Connectors (Used for: Fuel Level, L/R Turn Signals, High Beam)

Pin	Wire	Description
1	Green	Sensor 5 (Oil Pressure) this is already pre-setup for a DD-EFI 0-100PSI Pressure Sensor
2	Yellow	Fuel Level - this is already pre-setup by connecting to the factory fuel sending units signal wire
3	Green	Sensor 3
4	Green	Sensor 4
5	Green	Sensor 1
6	Green	Sensor 2
7	Red	5V VREF Power - this is used to supply 5V Power for Sensors 1-5
8	Black	Sensor Ground - this is used to supply Ground for Sensors 1-5
9	White	VR1+ ***
10	Blue	VR1- ***
11	White	VR2+ ***
12	Blue	VR2- ***

Sensor Connector



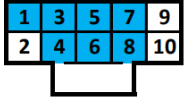
Color: Black

*** Additional Module Required

Sensor Connector

- **(5) ADC (Sensor) Inputs:**
 - Sensor 5, this is pre-configured in default DD-EFI Dashboards for Oil Pressure
 - This requires a Digital Pressure Sensor, so if you need one, we offer one at <https://dd-efi.com/collections/accessories>
- **Breakout Board** – this is included with any order that purchases sensors directly from us to simplify the wiring process
- **Sensor Wiring:**
 - **All wiring diagrams are on our website** (<https://dd-efi.com/pages/technical-resources>)
- **Fuel Level (Yellow Wire)** – this is a pre-configured internal circuit to make the wiring of your factory vehicle fuel sending unit a single wire connection. Attach the Yellow Wire (Pin 12) to your vehicles fuel sending unit signal wire. There is a provided T-Tap Wire Connector for easy connection to your factory wiring.

Digital Connector



Color: Black

Pin	Wire	Description
1	Blue	Digital Input 7
2	N/A	
3	Blue	Digital Input 5
4	Blue	Digital Input 6
5	Blue	Digital Input 3 (High Beam) this is already pre-setup by connecting to the factory High Beam wire
6	Blue	Digital Input 4
7	Blue	Digital Input 1 (Left Turn Signal) this is already pre-setup by connecting to the factory Left Turn wire
8	Blue	Digital Input 2 (Right Turn Signal) this is already pre-setup by connecting to the factory Right Turn wire
9	White	PWM Output 1
10	White	PWM Output 2

Digital Connector

- **(2) PWM Outputs:**
 - Configurable for either ON/OFF
 - PWM Setup: Extended Control -> PWM Output 1 or 2
 - Outputs are low side (Pull to Ground)
 - Each capable of up to 6A
- **(7) Digital Inputs:**
 - Configured for a 12V trigger
- **Digital Inputs 1, 2 & 3** - pre-configured in DD-EFI Dashboards for
 - Provided T-Tap Wire Connector(s) for easy connection
 - Left Turn Signal - Digital Input 1
 - Right Turn Signal - Digital Input 2
 - High Beam – Digital Input 3
- **Push Button Start**
 - Setup: Extended Control -> Push Button Start
 - Input Port
 - Select one of the available Digital Inputs
 - This typically comes from the output of the push start button; the inputs are preconfigured for 12v input.
 - Output Port
 - Select one of the available PWM Outputs
 - These outputs provide a ground signal and are typically wired to a relay that will provide the 12v to the starter solenoid.
- **Examples of other Digital Inputs uses:**
 - Factory Indicators – High Beam, Low Level Indicators, etc.
 - AC Idle Up
 - Launch Control



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