ELITE DASH
TECHNOLOGY

ED OBDII

INSTALLATION MANUAL



STOCK ECU & SYVECS ECU PACKAGES

The ED OBDII is a dedicated wired interface that connects the Elite Dash E-10 to a compatible factory (Stock) ECU or Syvecs ECU package through the vehicle's OBD-II/CAN system.

It transfers supported live ECU data to the E-10 for clear, real-time display while driving or testing.

> Readings such as **RPM**, **speed**, **boost pressure**, **air-fuel ratio (AFR)**, **temperatures**, and sensor states are displayed only when a valid ECU, CAN or sensor data source is available and correctly configured.

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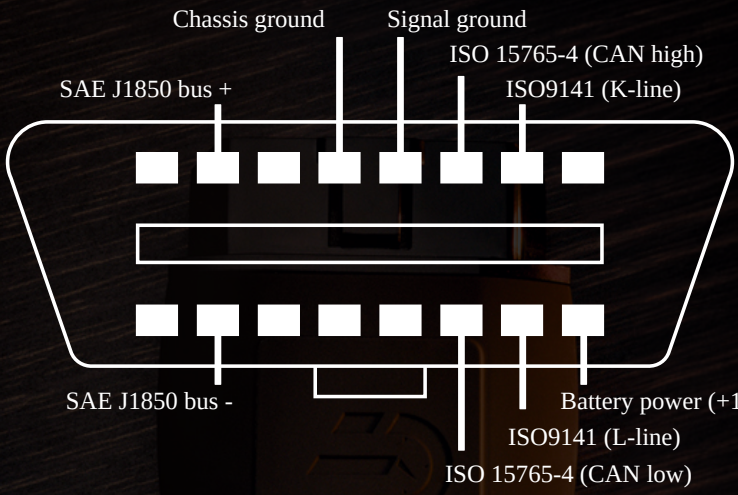
KEY CAPABILITIES

- **DIRECT WIRED CONNECTION** Provides a stable physical data path between the vehicle/ECU and the E-10.
- **DUAL PACKAGE SUPPORT** Designed for compatible E-10 Stock ECU and Syvecs ECU packages.
- **LIVE ECU INFORMATION** Displays supported channels supplied by the ECU, vehicle network and installed sensors.
- **E-10 INTEGRATION** Works with the correct Elite Dash ECU package/profile for the selected application.
- **PRODUCT IDENTIFICATION** This manual applies to the wired ED OBDII product. It does not apply to the ED OBD2 Adapter, which is the separate Wi-Fi/Bluetooth-to-CAN product.

TECHNICAL SPECIFICATIONS

- **Product:** ED OBDII wired ECU interface.
- **Compatible display:** Elite Dash E-10.
- **Supported packages:** Compatible Stock ECU package and Syvecs ECU package.
- **Primary function:** Transfers supported live ECU/CAN data to the E-10 display.
- **Vehicle-side connection:** Standard 16-pin OBD-II diagnostic connector.
- **Dash-side connection:** ED E-10 interface connection; connector is package/harness specific.
- **Communication:** Wired OBD-II/CAN; protocol and channel availability depend on the vehicle and ECU.
- **Typical data:** RPM, vehicle speed, temperatures, pressures, fuel level, throttle position, Gear and sensor states when available.
- **Configuration:** Correct E-10 Stock ECU or Syvecs ECU package/profile required.
- **Syvecs requirement:** Compatible CAN stream must be enabled and correctly configured in the ECU.
- **Power / ignition:** Follow the supplied ED harness and approved vehicle wiring; do not assume the OBD-II port provides the required switched supply.
- **Installation:** Professional installation by a qualified automotive technician is recommended.

> Specifications describe the supported application and interface. Exact cable length, connector revision and pin assignment must match the supplied production harness.



ED OBDII INSTALLATION PATH

A. STOCK ECU PACKAGE

STOCK ECU — Supported factory ECU and available sensors
→ ECU data →
VEHICLE CAN — ECU data available on the vehicle network
→ CAN/OBD-II →
OBD-II PORT — 16-pin diagnostic connector
→ Wired →
ED OBDII + E-10 — Direct wired interface to the E-10 dash

B. SYVECS ECU PACKAGE

SYVECS ECU — Supported CAN stream enabled and configured
→ Configured CAN →
CAN LINK — Correct channel, protocol and wiring
→ Vehicle link →
OBD-II PATH — Assigned vehicle/CAN connection
→ Wired →
ED OBDII + E-10 — Syvecs ECU package selected on the dash

IMPORTANT: ED OBDII transfers data; it does not create sensor readings.

> A channel appears only when a valid ECU/CAN/sensor source is available and correctly configured. Power and ignition wiring must follow the supplied ED harness and the approved vehicle wiring diagram.

INSTALLATION PROCEDURE

STEP	ACTION	INSTRUCTION
01	Confirm compatibility	Verify that the vehicle, ECU and E-10 software package are supported. For Syvecs, confirm the required CAN stream is configured before installation.
02	Power down safely	Switch the ignition OFF, remove the key and allow the vehicle systems to shut down. Isolate the battery only when required by the vehicle or workshop procedure.
03	Inspect the connection	Locate the 16-pin OBD-II port, normally below the driver's side dashboard. Check that the port and ED OBDII connector are clean, dry and undamaged.
04	Connect ED OBDII	Align the connector and push it straight into the OBD-II port until fully seated. Never force, twist or modify the connector.
05	Route and secure	Keep the cable away from pedals, steering components, sharp edges, hot surfaces and moving parts. Secure it without pinching or stretching the harness.
06	Connect the E-10	Attach the dash-side connector to the designated E-10 interface connection. Confirm orientation and locking before applying power.
07	Select the ECU package	Turn the ignition ON and confirm the correct Stock ECU or Syvecs ECU package/profile on the E-10.
08	Verify operation	Check stable RPM, speed and available sensor channels. Refit trim only after confirming normal dash operation and no vehicle warning lights.

SETUP & VERIFICATION

A. STOCK ECU PACKAGE

- **PROFILE Confirm** the E-10 is using the correct vehicle/Stock ECU package.
- **DATA CHECK** With ignition ON, verify RPM first, followed by speed, temperatures and other supported channels.

B. SYVECS ECU PACKAGE

- **CAN OUTPUT** Confirm the required Syvecs CAN stream, channel and protocol are enabled by the tuner or installer.
- **CHANNEL MAPPING** Confirm the E-10 Syvecs package matches the data being broadcast by the ECU.

> **DO NOT CONTINUE**
> If the vehicle develops warning lights, unstable operation, excessive heat, smoke or an electrical smell, switch the ignition OFF immediately and have the installation inspected.

Final Installation Check

- **CHECK** Connector fully seated and locking correctly
- **CHECK** Harness secured away from pedals, steering and heat
- **CHECK** Correct Stock ECU or Syvecs package selected
- **CHECK** RPM and other available channels update smoothly
- **CHECK** No new warning lights or vehicle faults

TROUBLESHOOTING

SYMPTOM	POSSIBLE CAUSE	ACTION
E-10 powers on but no ECU data	Wrong package/profile, ECU not broadcasting, or CAN path unavailable	Confirm ignition ON, correct E-10 package and ECU/CAN configuration. Have the wiring checked by a qualified installer.
Some readings are blank	The ECU does not broadcast that channel or no valid sensor/input is configured	Confirm the data source in the ECU and that the channel is included in the selected package.
Data drops or freezes	Loose connector, damaged harness, unstable supply or CAN communication fault	Switch OFF, inspect and reseat all connectors. Check cable routing and approved power/ground connections.
E-10 does not power on	Power or ignition supply is not available through the approved harness	Check the supplied ED harness and vehicle wiring. Do not add power to OBD-II pins without the correct diagram.
Vehicle warning light appears	Network, wiring or compatibility issue	Stop the test, switch ignition OFF and restore the original connection. Contact Elite Dash technical support or a qualified workshop.

SAFETY & SUPPORT

Use only with compatible Elite Dash equipment and an approved harness. Keep the connector dry and protected. Do not route the cable where it can interfere with the driver. Installation by a qualified automotive technician is recommended.

For product compatibility, wiring confirmation and technical support, contact Elite Dash Technology or an authorized Elite Dash workshop before modifying the installation.

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WE ARE HERE TO HELP!
CONTACT US NOW

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