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VJOYCAR V70-OBD On Board Computer Instruction Manual

Contents

Production Description

V70 OBD computer is a smart and powerful auto meter. It is especially designe d for vehicle all meter in one to show all data in screen from speedometer, eng ine temperature gauge, oil thermometer, and boost gauge, and fuel consumptio n meter.
It can also monitor and display battery voltage, engine charging voltages, over speed alarm, engine temperature warning can even read the real-time data stream, scan, and clear trouble code.

Product Description

	ESC BUTTON Returns to previous menu
	UP SCROLL BUTTON Move cursor up for selection
	DOWN SCROLL BUTTON Move cursor down for selection
	OK BUTTON Confirms a selection (or action) from a menu list,

In some interfaces, the function of long press for more than 3 seconds is different from that of short press for less than 1 second.

1. Automatically adjust the brightness of the photosensitive port
2. DLC(Data Link Connector or Diagnostic Link Connector)
3. USB Upgrade port

Specifications

1. Display: TFT color display 0 x 320
2. Operating temperature: 0 to 60ºC to 140ºF
3. Storage temperature: -20 to 70ºC -4 to 150ºF
4. External power: 8.0 to 18.0V power provided via vehicle battery
5. Dimensions:

Length 130mm(5.11")	With25.8mm(1.01")	Height 84mm(3.30")

6. Weight: 0.30kg(without wire) 0.40kg(with wire)

Accessories included

1. User's manual: instructions on product operations
2. OBD2 cable: provides power to product and communicates between product and vehicle
3. USB cable: used to upgrade the product

Location of the Data Link Connector(DLC)

The DLC(Data Link Connector or Diagnostic Link Connector) is the standardized 16-cavity connector where diagnostic scan tools interface with the vehicle's side for most vehicles. If data link connector is not located under dashboard, a label should be there telling location. For some Asian and European vehicles, the DLC is located behind the ashtray and the ashtray must be removed to access the connector. If the DLC cannot be found, refer to the vehicle's service manual for the location.

Product operating setting

1. Display interface switch

   Press **UP**/**DOWN** button to switch displayShort press (within 1 second) to enter full-screen single data display, or long press (over 3 seconds) to enter data stream data option selection. Short press as shown in Figure 2-1, long press as shown in Figure 2-2:
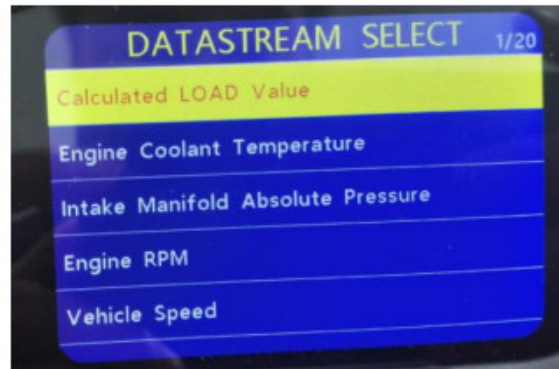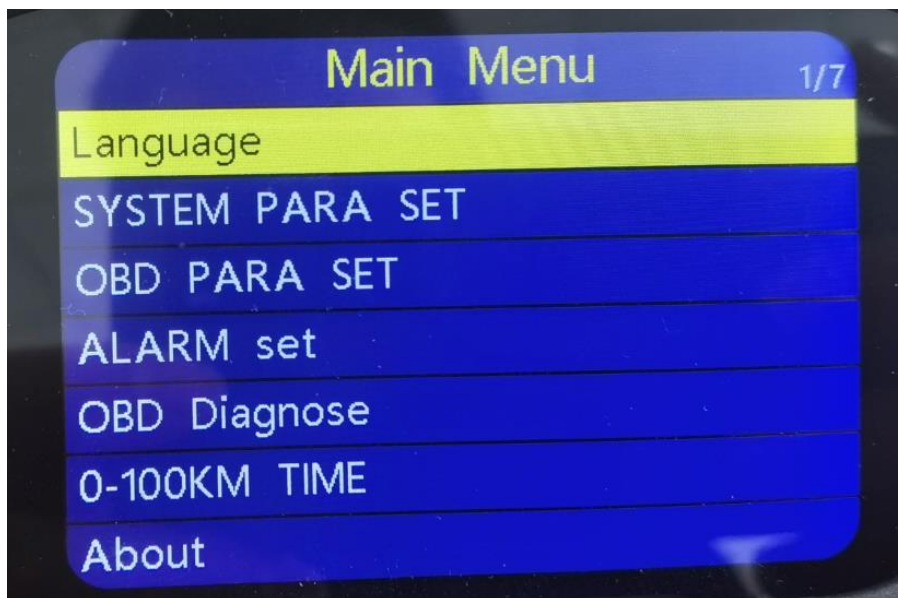

Figure 2-1   Figure 2-2

2. Long press the ESC key to enter the settings, here you can setLanguage, System para set, OBD para set, Alarm set, OBD Diagnose, 0-100km Time, AboutAs shown in Figure 2-3

Product update

This update function allows you to update the product software through a windows computer To upload your product, you need the following tools:

1. OBD auto meter
2. Windows PC(win xp, 7,8,10) with internet connected
3. Mini-USB cable

   Steps:

   Download and install the applications from VJOYCAR official website: **http://www.vjoychina.com/uplink/**

   Run uplink.exe in your computer(Not mac OS compatible) before click the "check update", make sure that on left bottom corner, you see the "Device connected to COM X", otherwise, please check if the driver is installed properly or not

   1) Keep pressing any button of the scanner, meanwhile connect to USB cable to PC with scanner, make sure the screen is displayed "Update Mode" then released.

2) Open the uplink software, click the "Check Update", the intelligent software and device will finish its update process on its own. The process will take around 2 minutes depends on the network connectivity.

3) During the update procedure, please do not disconnect the USB connection

Data Stream
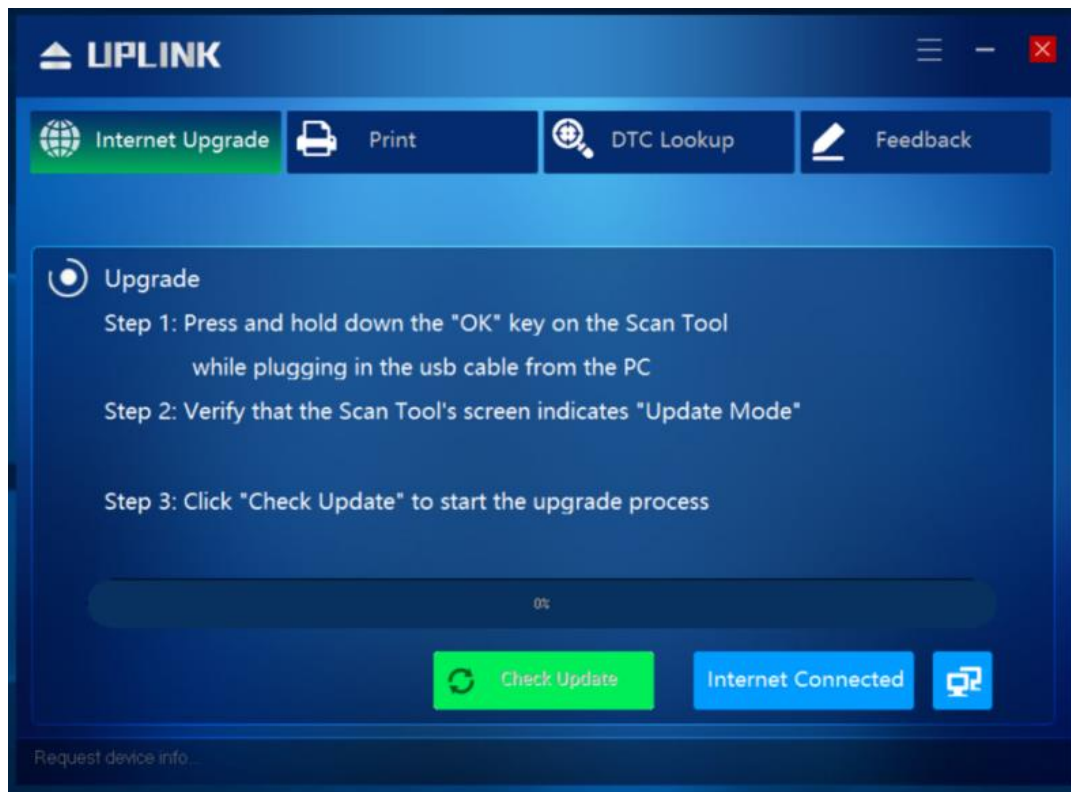
NOTE:

- the uplink program is working for all windows series computer, please use it on official certified windows OS, otherwise the driver may not be able to install.
- some anti-virus software may give warning when install it, please turn off the anti-virus software before installation, it's a clean and green software with authentication by google.
- please ignore the Microsoft Modem drivers install failure if you are not using windows system.
- if the product to be malfunctioning after update, it may need to reinstall the update. Hold down the any button until the product has been forced into update mode, then repeat the update installation procedure outlined above.

Service procedures

If you have any questions, please contact your local store, distributor or visit our official website at **www.vjoychina.com** or email us to: **sales@vjoycar.com** to get more information.

Extra:

Below is the data stream open on the device, it will show the public data according to your car open protocol.

Calculated Load Value

Engine Coolant Temperature

Intake Manifold Absolute Pressure

Engine RPM

Vehicle Speed

Ignition Timing Advance for #1 Cylinder
Intake Air Temperature

Air Flow Rate From Mass Air Flow Sensor
Absolute Throttle Position
Oxygen Sensor Output Voltage(B1-S1)

Short Term Fuel Trim(B1-S1)
Oxygen Sensor Output Voltage(B1-S2)
Short Term Fuel Trim(B1-S2)
Oxygen Sensor Output Voltage(B1-S3)
Short Term Fuel Trim(B1-S3)

Oxygen Sensor Output Voltage(B1-S4)
Short Term Fuel Trip(B1-S4)
Oxygen Sensor Output Voltage(B2-S1)
Short Term Fuel Trim(B2-S1)
Oxygen Sensor Output Voltage(B2-S2) –

Short Term Fuel Trim(B2-S2)
Oxygen Sensor Output Voltage(B2-S3)
Short Term Fuel Trim(B2-S3)
Oxygen Sensor Output Voltage(B2-S4)
Short Term Fuel Trim(B2-S4)

Distance Traveled While MIL is Activated
Fuel Rail Pressure
Equivalence Ratio(lambda)(B1-S1)
Oxygen Sensor Voltage(B1-S1)
Equivalence Ratio(lambda)(B1-S2) –

Oxygen Sensor Voltage(B1-S2)
Equivalence Ratio(lambda)(B1-S3)
Oxygen Sensor Voltage(B1-S3)
Equivalence Ratio(lambda)(B1-S4)
Oxygen Sensor Voltage(B1-S4)

Equivalence Ratio(Lambda)(B2-S1)
Oxygen Sensor Voltage(B2-S1)
Equivalence Ratio(lambda)(B2-S2)

Oxygen Sensor Voltage(B2-S2)
Equivalence Ratio (lambda)(B2-S3)
Oxygen Sensor Voltage(B2-S3)

Equivalence Ratio(lambda)(B2-S3)
Oxygen Sensor Voltage(B2-S4)

Commanded EGR
EGR Error

Commanded Evaporative Purge
Fuel level Input
Number Of Warm-Ups Since DTCs Cleared

Distance Traveled Since DTCs Cleared
Barometric Pressure

Equivalence Ratio(lambda)(B1-S1)
Equivalence Ratio(lambda)(B2-S2)
Equivalence Ratio(lambda)(B1-S3)
Equivalence Ratio(lambda)(B1-S4)
Equivalence Ratio(lambda)(B2-S1)

Equivalence Ratio(lambda)(B2-S2)
Equivalence Ratio(lambda)(B2-S3)
Equivalence Ratio(lambda)(B2-S4)
Catalyst Temperature Bank 1, Sensor 1
Catalyst Temperature Bank 2, Sensor 1

Catalyst Temperature Bank 1, Sensor 2
Catalyst Temperature Bank 2, Sensor 2
Absolute Load Value
Fuel/Air Commanded Equivalence Ratio
Relative Throttle Position

Ambient Air Temperature
Absolute Throttle Position B
Absolute Throttle Position C
Absolute Throttle Position D
Absolute Throttle Position E

Accelerator Pedal Position F
Commanded Throttle Actuator Control
Engine Run Time While MIL Is On
Engine Run Time Since DTCs Cleared
Alcohol Fuel Percentage

Absolute Evap System Vapor Pressure
Evap System Vapor Pressure
Short Term Sec.O2 Sensor Fuel Trim-B1
Short Term Sec.O2 Sensor Fuel Trim-B3
Long Term Sec.O2 Sensor Fuel Trim-B1

Long Term Sec.O2 Sensor Fuel Trim-B3
Short Term Sec.O2 Sensor Fuel Trim-B2
Short Term Sec.O2 Sensor Fuel Trim-B4
Long Term Sec.O2 Sensor Fuel Trim-B2
Long Term Sec.O2 Sensor Fuel Trim-B4

Fuel Rail Pressure(absolute)
Relative Accelerator Pedal Position
Hybrid Battery Pack Remaining Life
Engine Oil Temperature
Fuel Injection Timing

Engine Fuel Rate
Voltage
Total Mile
Total Fuel

Trip Mile
Trip Fuel average fuel consumption

DTC Trouble Code Search

X0000

Search

OBD-II search powered by **dot.report**

Documents / Resources

VJOYCAR V70-OBD On Board Computer [pdf] Instruction Manual
V70-OBD, On Board Computer