ECUHELP KTflash Dongle User Manual

Product Overview

ECUHELP KTflash Dongle is a specialized ECU programming tool used for:

- Reading and writing ECU/TCU data
- Clone ECU
- Automatic checksum correction and more
- DTC OFF (Disabling Diagnostic Trouble Codes)
- IMMO OFF (Disabling Immobilizer)
- TProt OFF (Bypassing Tuning Protection)

For the KTflash support list, please refer to:

https://www.ecuhelpshop.com/uploads/item/174254701710486838.pdf

This manual provides a step-by-step guide on how to set up and use the KTflash Dongle.

Step 1: Software Download & Installation

Requirements:

Windows 10 or Windows 11 (64-bit recommended)

Antivirus software/Firewall must be disabled during installation

Installation Steps:

Plug the KTflash Dongle into your computer's USB port.

Visit ECUHELPshop.com and go to the "Downloads" section.

Download the KTflash software.

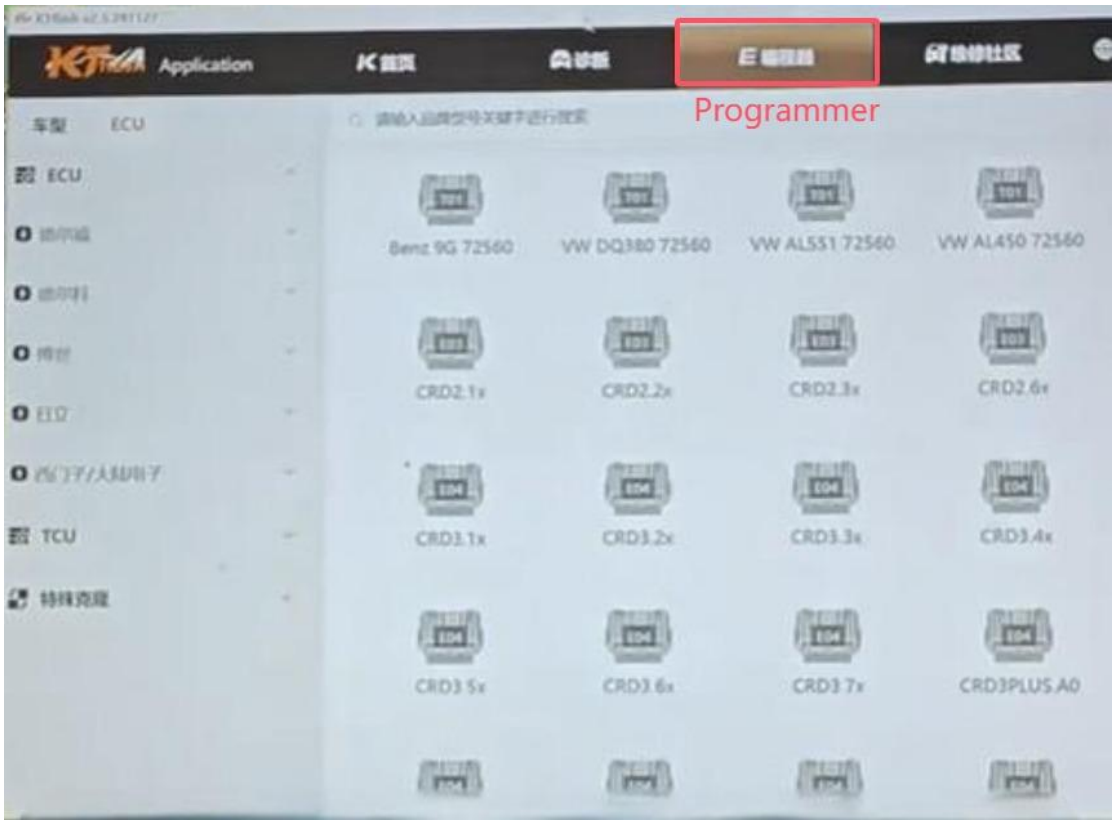
After downloading, click "Open" to begin the one-click installation.

The software does not require complex setup — simply install and run.

Step 2: Activate the KTflash Dongle License

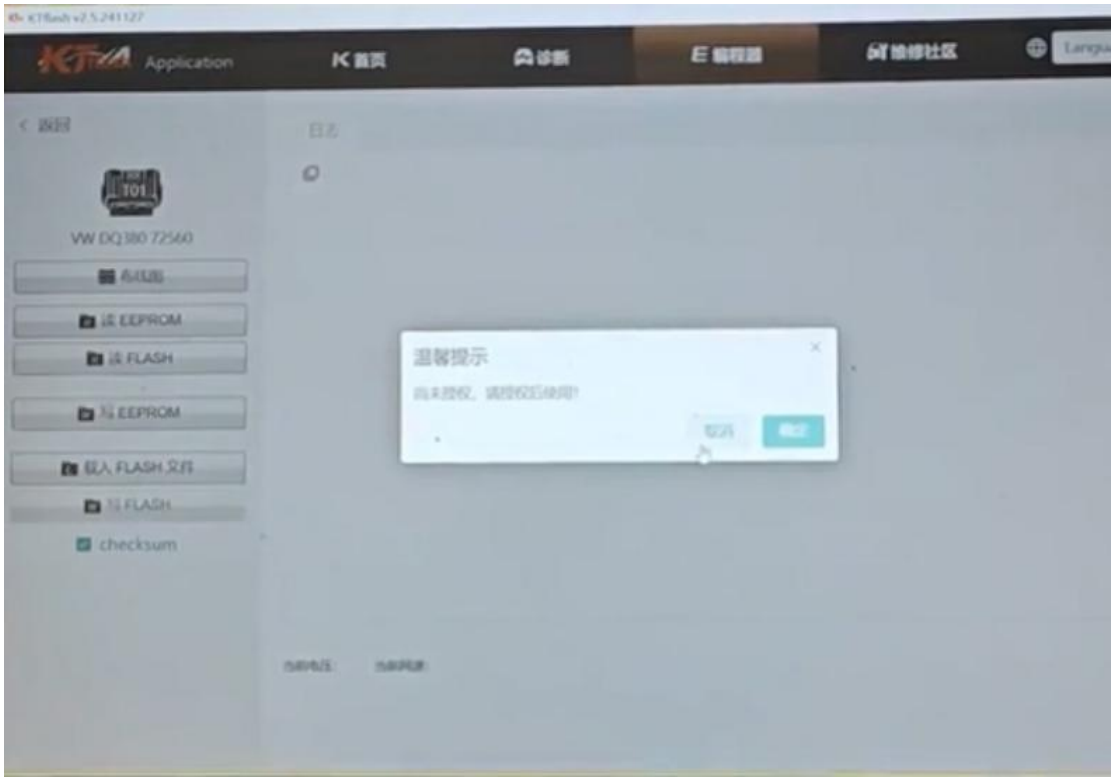
2.1 Launch the KTflash Software

Open the software and click on “Programmer” to view the supported ECU models.



2.2 License Activation Required?

If the ECU models appear grayed out and cannot be selected, it means they are not activated yet. The software will prompt you to activate.



2.3 How to Activate:

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Return to the software homepage.

Select the ECU model or protocol you wish to activate and follow the payment instructions.

Alternatively, activate the protocol directly on ECUHELPshop.com.

Login Required: Click the avatar icon in the top-right corner to log into your dongle account before activation.

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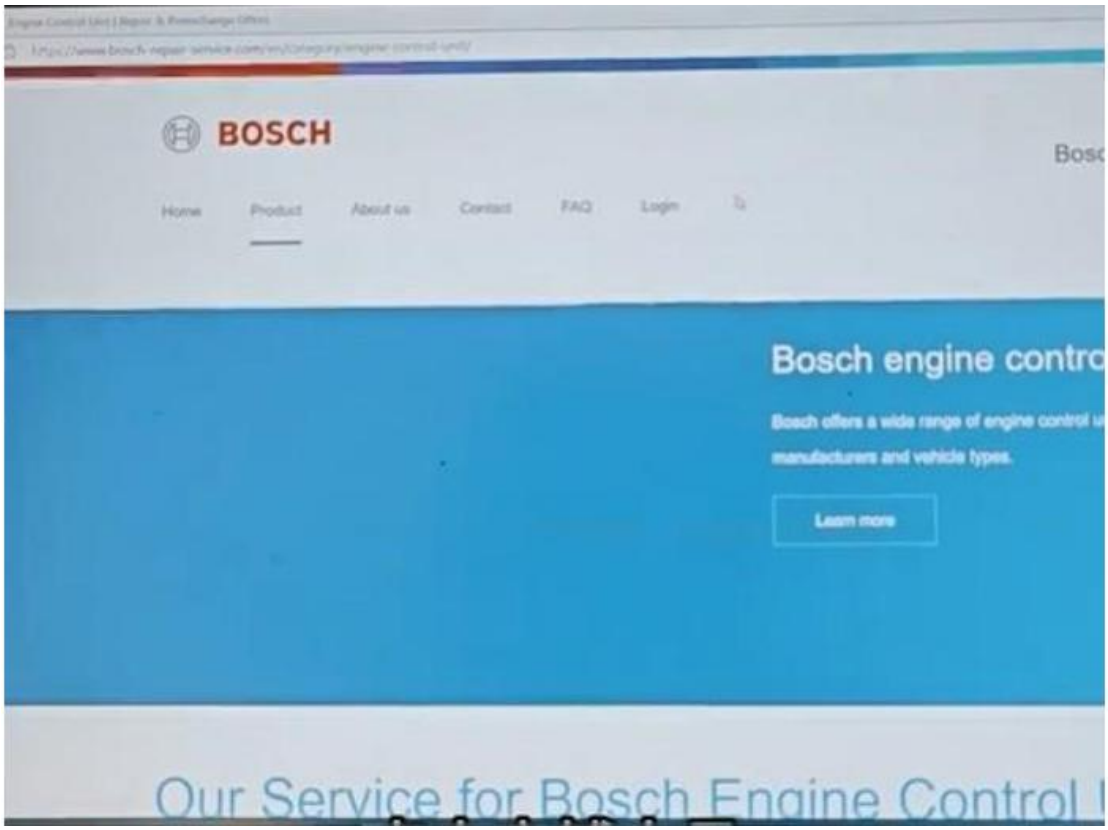
2.4 Free Features (No Activation Needed):

- Maintenance Community
- Bosch Number Query – input the Number on the ECU box to query what the ECU of it?
- Wiring Diagrams
- Virtual Files



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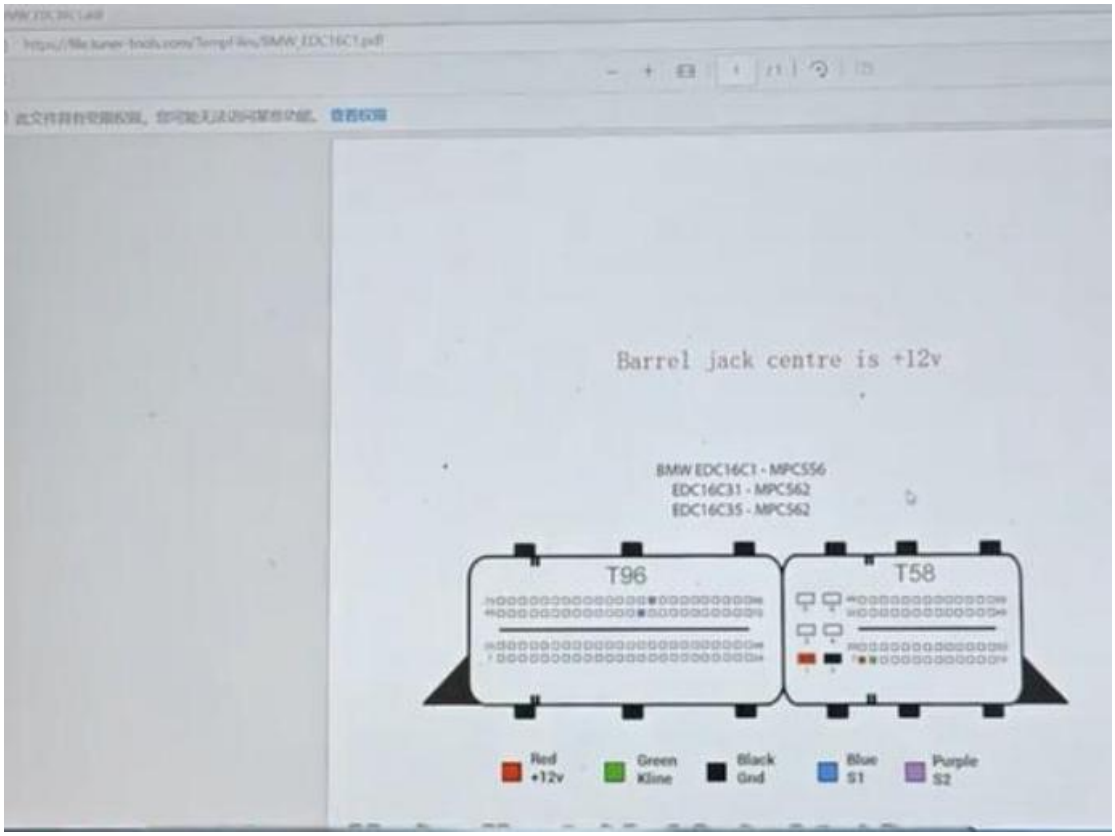

Step 3: Dongle Binding & Recovery

To protect your KTflash Dongle in case of damage or loss, it is highly recommended to:

Register and bind the dongle to your account.

Go to the software homepage and complete the registration process (same as a normal account signup).

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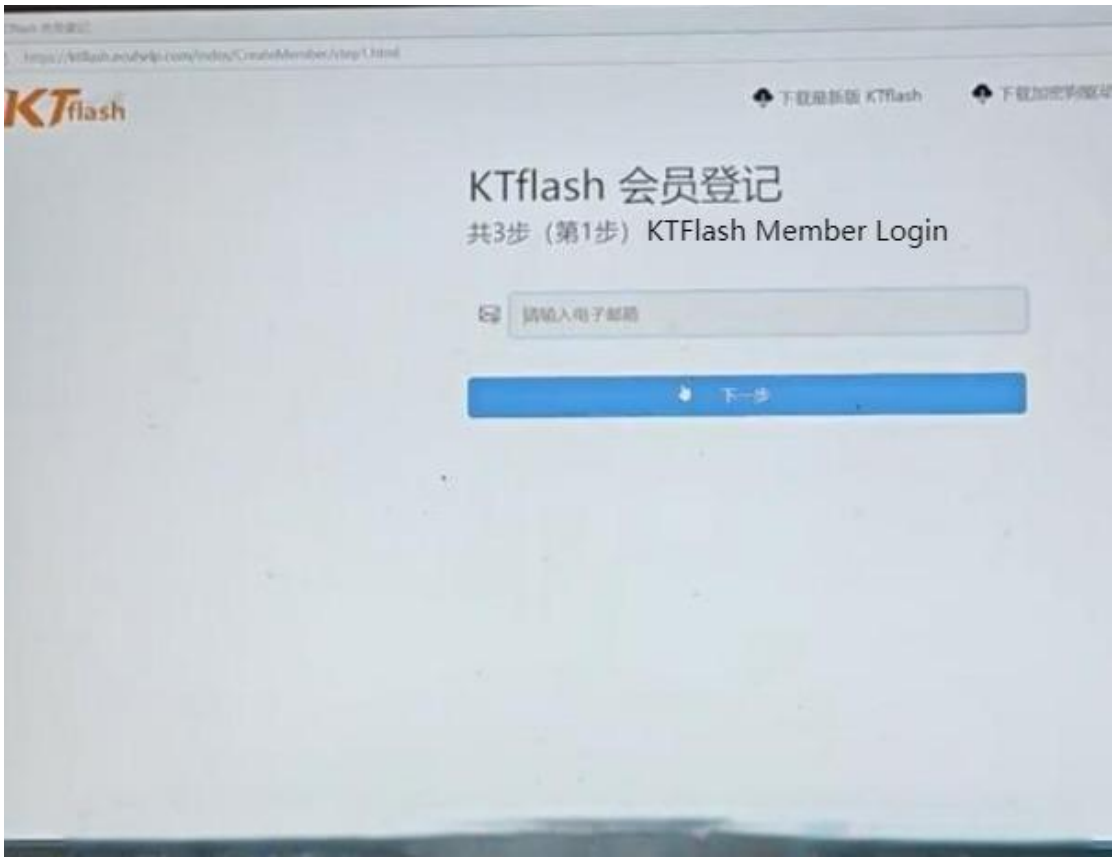

Step 4: ECU Read/Write & Data Modification

Example Model: EDC17C42

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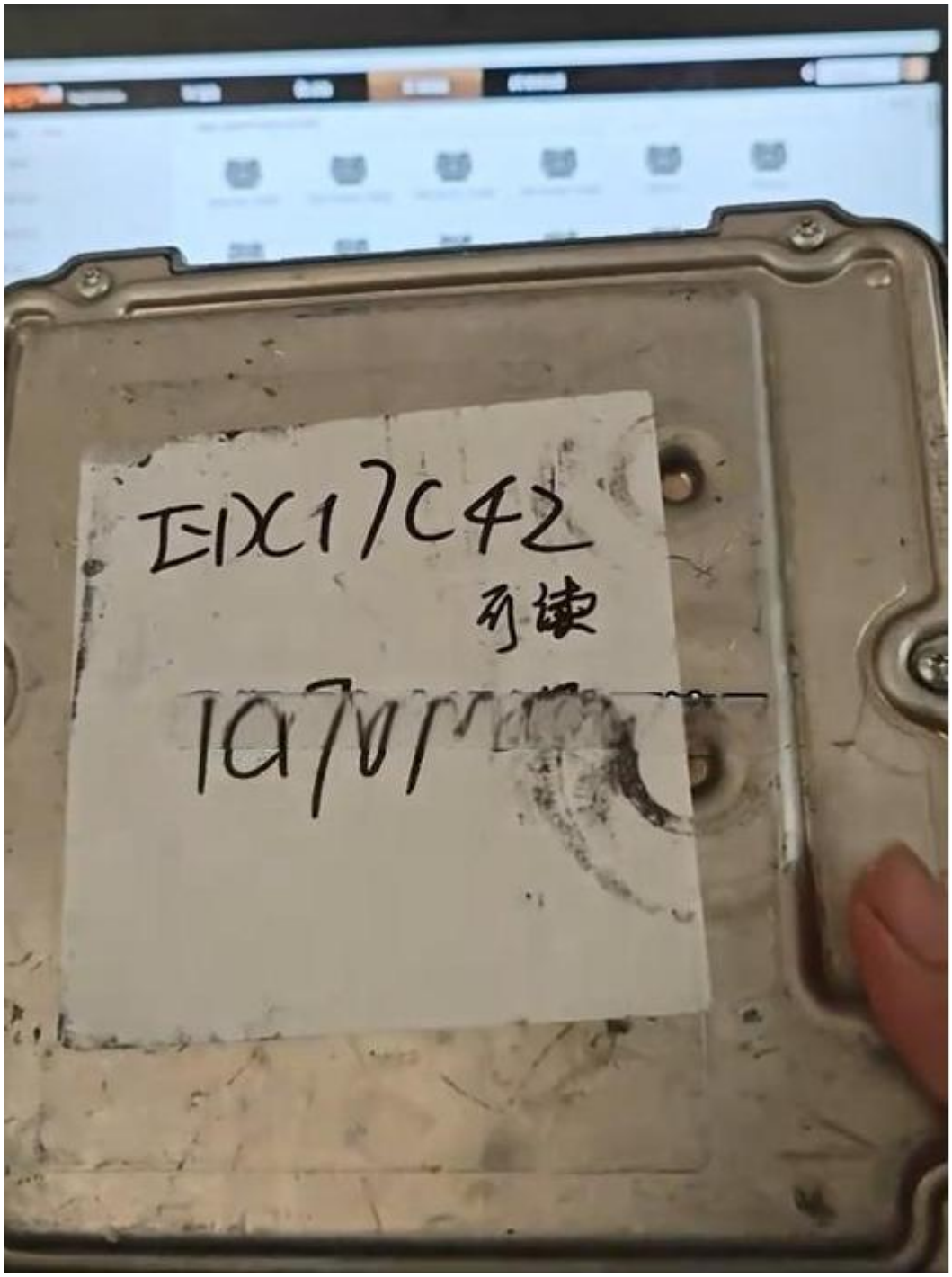

4.1 Required Hardware:

KTflash Dongle

J2534 Interface Tool (ie. EOBD Scanner Tool Universal J2534, PCM Tuner, PCM Tool, Scanmatik, K-T-M Tool etc)

Recommended: EOBD Scanner Tool Universal J2534 (from ECUHELP)

USB cable

12V power supply (3A)

Note: Different J2534 tools require specific drivers, for the driver download, visit the ECUHELPshop.com “Downloads” section or message WhatsApp: +8618205996549, KTflash driver

is as the same as KT200Plus.

4.2 Operating Procedure

A. Search for Your ECU

Use the keyword search in KTflash software to find your ECU model (e.g., EDC17C42).

B. Wiring & Connection

Follow the wiring diagram provided in the software for your ECU.

Connect:

Bench cable to ECU

J2534 interface to computer via USB

Power supply to the setup

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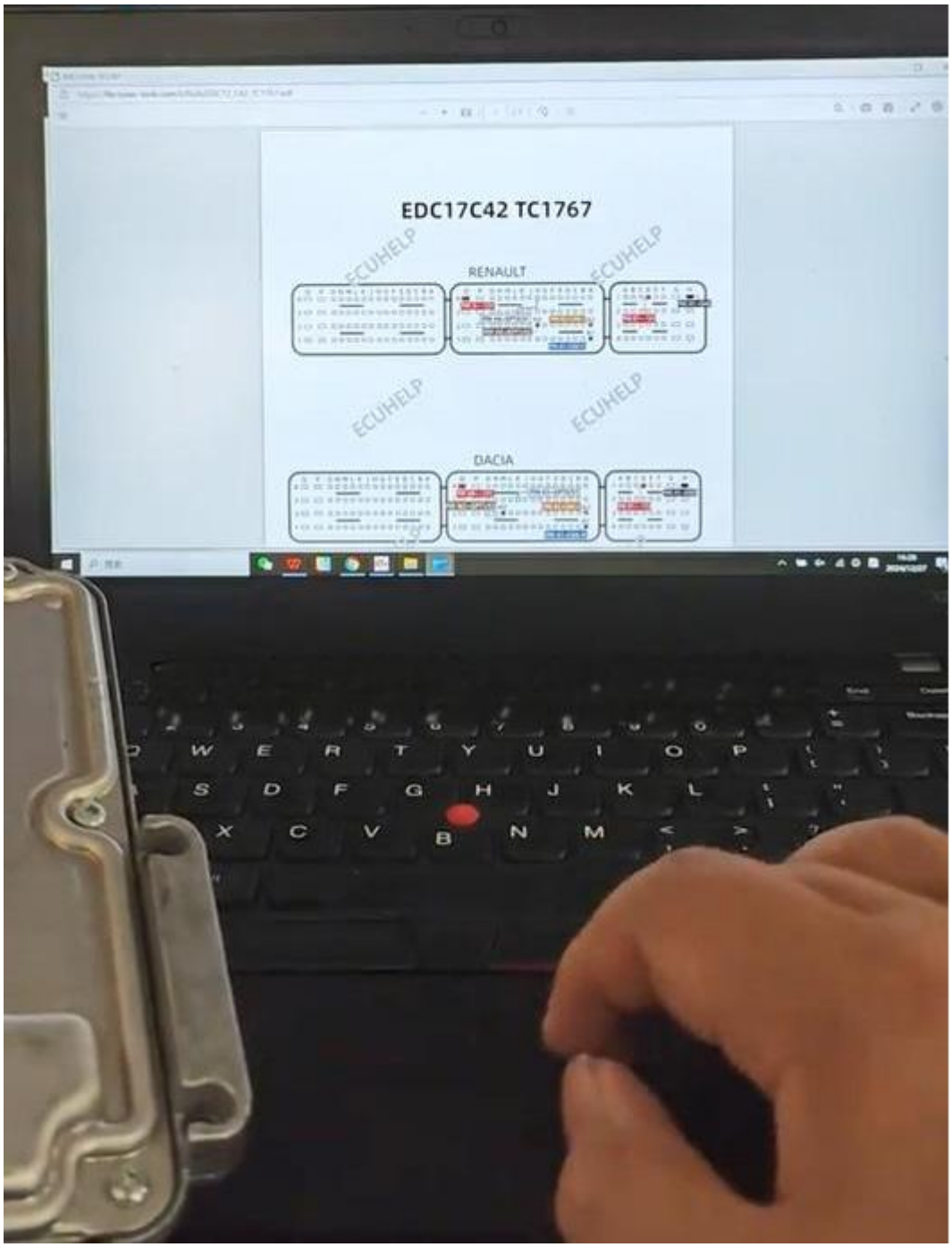

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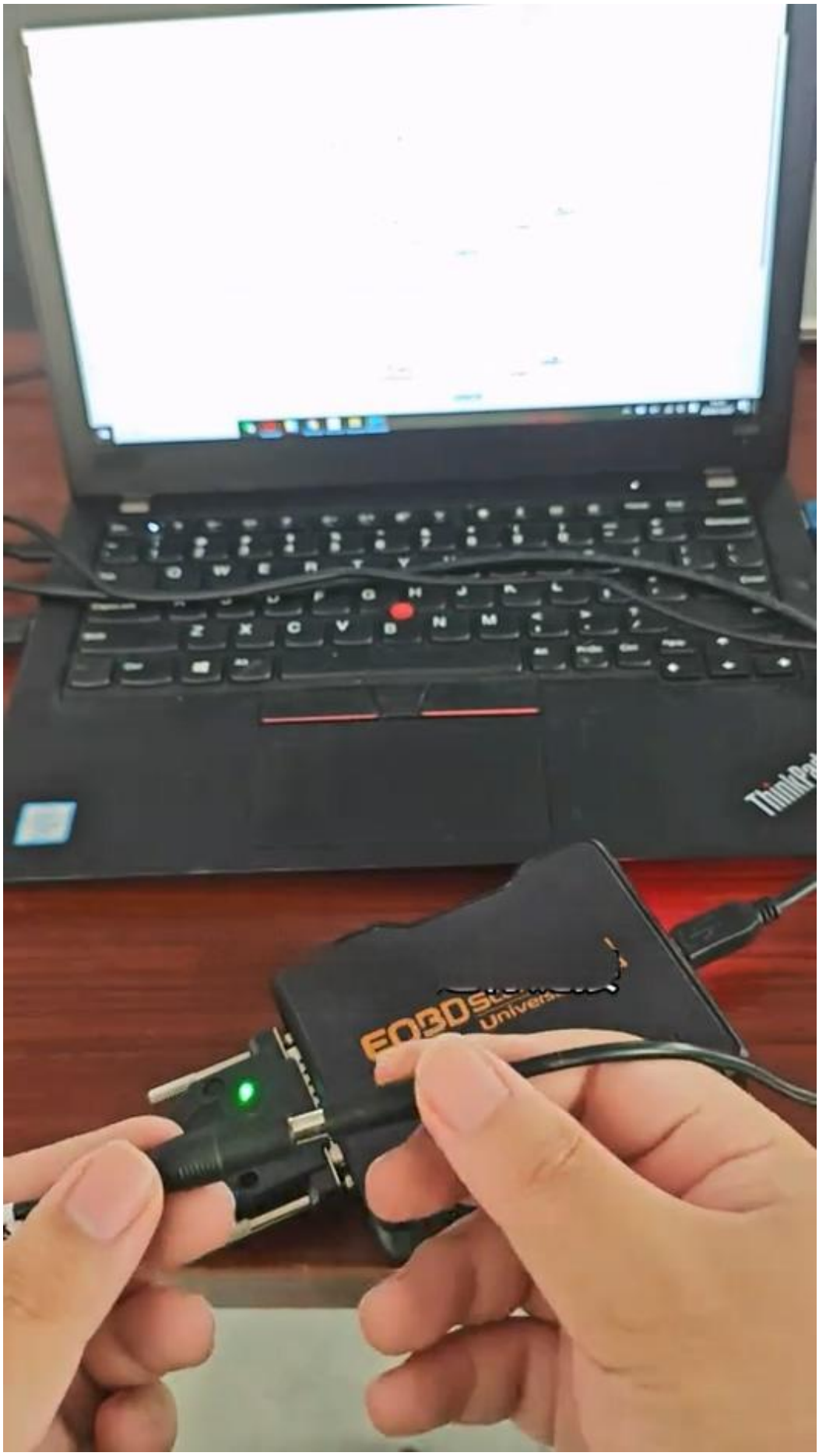

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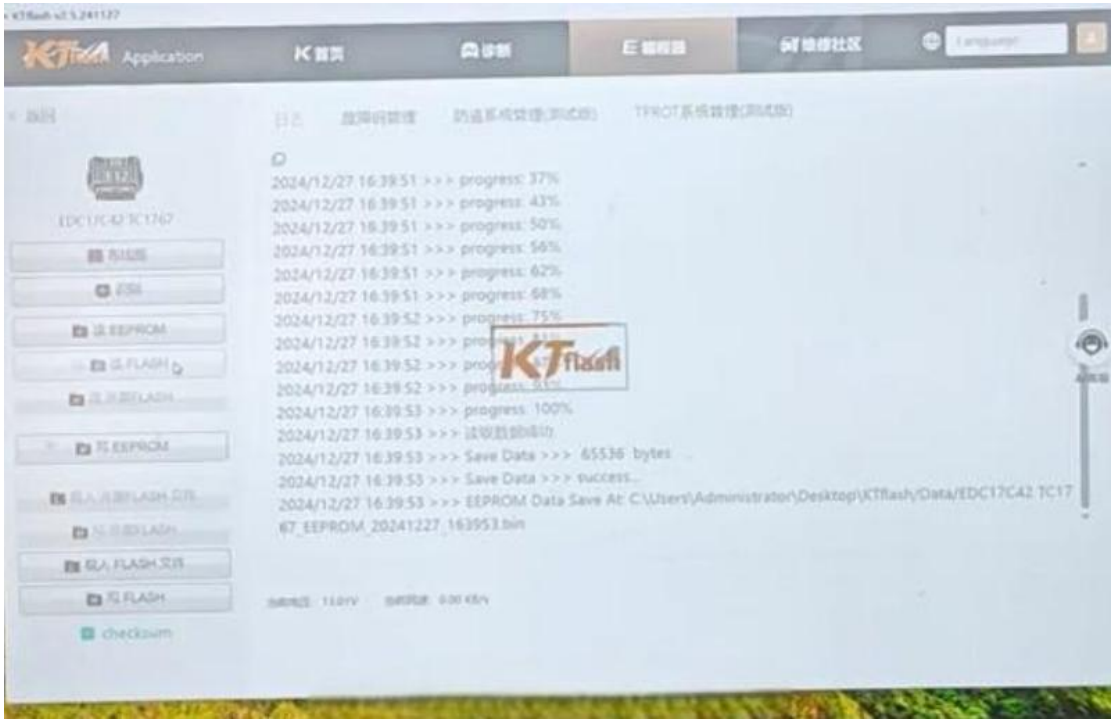
C. Start Programming

Click “Identify” to detect the ECU chip.

Read and write EPROM file — the software will prompt where to save the file.

Proceed to read and write flash files.



4.3 Data Modification

DTC OFF

Load your flash file first (do not select a faulty file).

Go to “Fault Code Management”.

Select the DTC codes you want to disable.

Click Save.

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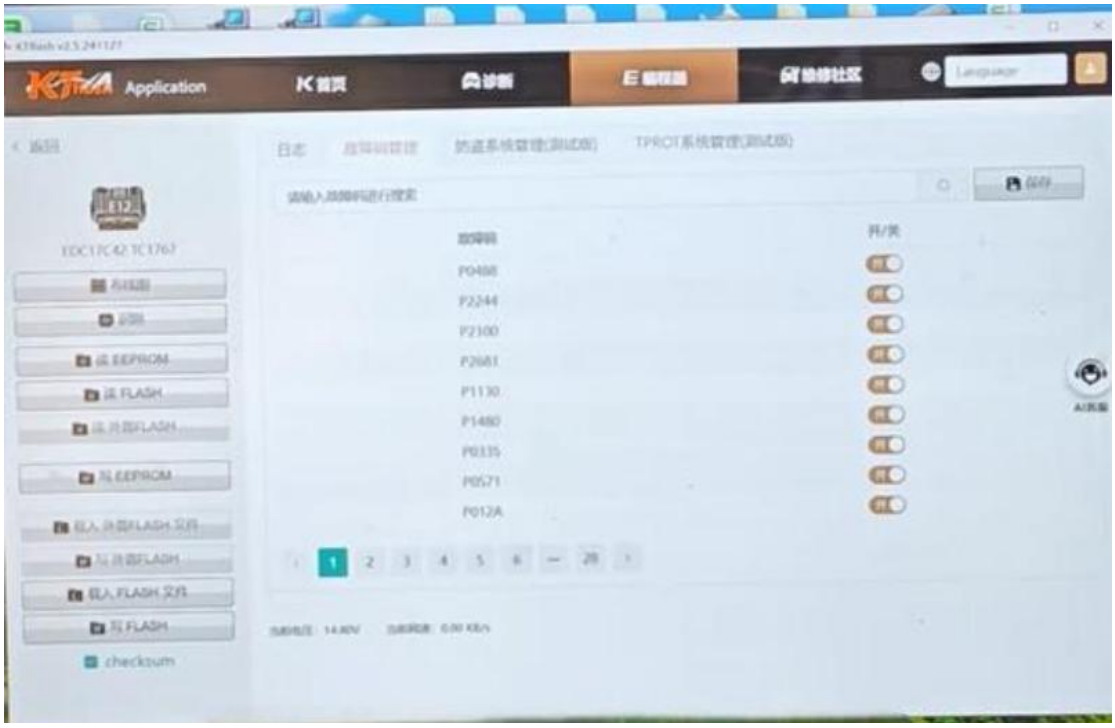

IMMO OFF

After loading the correct file, click IMMO OFF to disable the immobilizer.

TProt OFF

Use this if the car fails to start after IMMO OFF.

It disables tuning protection, allowing the engine to start.

4.4 Write Back to ECU

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Click “Write” to finalize programming.
The software performs automatic checksum correction before writing.

Completion
Once the writing process finishes:
Your ECU has been successfully read, written, and modified.
You may now disconnect and reinstall the ECU.

Need Help?
For support or inquiries:
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WhatsApp: +8618205996549

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