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1. Running environment

- Hardware environment:
  - Windows laptop, PC or PAD
  - CPU speed: more than 1.0G Hz
  - Memory: more than 1GB
  - Disk: more than 32 GB
  - Communication port: Wi-Fi or USB

- Software environment:
  - Windows XP, Windows 7, Windows 8, Windows 10

2. Software installation

2.1 Client downloading

Access the website: http://www.tdintel.com, go into the Support page to download “XTUNER-T1 Setup Vx.xx”

2.2 Client setup

Unzip XTUNER-T1 Setup Vx.xx and run XTUNER-T1 setup.exe:
Please click “Next”.

To install in this folder, click "Next". To install to a different folder, enter it below or click "Browse".

Folder:

C:\Program Files (x86)\TDINTEL\XTUNER-T1\  Browse...
Please click “Install”.

Please wait while the Setup Wizard installs XTUNER-T1. This may take several minutes.

Status:
Select “Install the CP210x USB to UART Bridge Driver” to install the USB driver.
3. Software activation and downloads

3.1 Software activation

At first, please keep network working. Run XTUNER-T1 APP, then click “Online store” to get applications.
Please wait…

Please click “Online store”.

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Please enter the S/N number and password get from the envelope, and then click “Login”.
Please click “Login”.

If the product is not activated, please click “Yes”.
Please input your information, the Email address and the country \ region are required, and then click “Activate”.

Note:
Your email address must be real in order to get the activated link and the further better service from the manufacturer. The software update reminder and the new product release information will be sent to your email.

If you do not receive the activation email, please add "service@tdintel.com" to the white list of your mailbox and try the activation process again.

Company name: company name must be filled in and the length is within 250 characters.

Country \ region: please choice your country \ region in the list.

Press “Yes” to confirm your information:

---

Dear Friend

Please click the following link to activate your product:

Welcome to start the experience of our latest diagnostic technology, thanks for your support.

Best wishes.

TDINTEL Technology Co.,Ltd.

---

Please click the link to get the confirmation from the manufacturer.

---

Activate success.
3.2 Software downloads

After the activation, please login the online store again, and get the APPs upgrade.

Please, click “Login” to download the software.
There are two modes for downloading, one by one and one-click. It may take a long time to download all the software, depend on the speed of customers’ network.

3.3 Software management

Users can delete vehicle software here. You can delete one by one or all-selected delete.
4. Software introduction

Run XTUNER-T1, The screen will show:
4.1 Online store

Features

- Automatic Wi-Fi updates available in new software releases by smart upgrade mode.
- Wi-Fi internet capability allows for wireless access throughout the workshop.

![XTUNER-T1 User Manual](image)

4.2 Diesel Diagnose

4.2.1 Features

- Extensive vehicle coverage for heavy-duty trucks (29 brands).
- Complete function capability including DTC, DTC freeze Info, Live data, Actuation test and Special function.
- Support standard protocol J1939, J1708 and J1587.
<table>
<thead>
<tr>
<th>DIESEL</th>
<th>ELECTRONIC</th>
<th>OBDII</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ALLISON</td>
<td>DAF</td>
</tr>
<tr>
<td></td>
<td>ASTRA</td>
<td>DETROIT</td>
</tr>
<tr>
<td></td>
<td>BENZ</td>
<td>ERF</td>
</tr>
<tr>
<td></td>
<td>BREMACH</td>
<td>FOTON</td>
</tr>
<tr>
<td></td>
<td>CATERPILLAR</td>
<td>FREIGHTLINER</td>
</tr>
<tr>
<td></td>
<td>HINO</td>
<td>HYUNDAI</td>
</tr>
<tr>
<td></td>
<td>INTERNATIONAL</td>
<td>INTERNATIONAL</td>
</tr>
<tr>
<td></td>
<td>IRUZU</td>
<td>IVECO</td>
</tr>
<tr>
<td></td>
<td>BENDIX</td>
<td>CUMMINS</td>
</tr>
</tbody>
</table>

---

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4.2.2 Vehicle coverage

DIESEL: ASTRA, BENZ, BREMACH, CATERPILLAR, DAF, DETROIT, ERF, FOTON, FREIGHTLINER, GM, HINO, HYUNDAI, INTERNATIONAL, IRAN, ISUZU, IVECO, KENWORTH, KIA, MACK, MAN, NAVISTAR, RENAULT, SCANIA, TOYOTA, UD, VOLVO, WABCO, etc.

ELECTRONIC: BENDIX, CUMMINS, etc.

OBDII: DIESEL OBD.

4.5 Settings

4.5.1 Run mode

It has Demo, so even XTUNER-T1 is not connected, it can simulate how it works.

As the picture shows:
4.5.2 Unit selection

Unit switch between Metric and Imperial system:
4.5.3 Display mode

Display modes between Full Screen and Fixed Size (1024 x 700):

4.4.4 Logging

Logging function is available; it can log the data of vehicle communication.
4.5.5 Update

If there is a new version, it can automatically prompt to update.
4.5.7 About me

Automatically identify XTUNER-T1 version information, when connection has problem (Wi-Fi or Bluetooth), and it can’t read XTUNER-T1 Hardware version, usually, it shows as “Unknown” or “---”; If the connection is OK, it shows hardware version. As the picture shows:
4.5.8 Skin Setting

Here you can change the background color.

4.6 DTC query

DTC query function is a DIY function, users can query, modify and create OBD DTCs by themselves requirement in local DTCs, and users can synchronize to TDINTEL company cloud server thought the internet too.
4.7 Example

4.7.1 Communication

Please connect XTUNER-T1 with the vehicle. After connection, the power indication light will turn on. Search the WIFI of XTUNER-T1 on the PC or pad, and connect the WIFI point manually. If the WIFI connection successful, the WIFI indication light will turn on.

Run the XTUNER-T1, and start to diagnose.

Choose the vehicle you need, and enter the diagnostic system:
Please press next page.
Connecting ECU...

Read Fault Codes
Erase Fault Codes
Data Stream
Component action test
Maintenance Oil Reset
4.8.2 Read DTCs

4.8.3 Erase DTCs
Erase fault code(s) successfully!

Please turn off the ignition.
Please turn off the ignition and wait for 10 sec

13%

Cancel

Please turn on the ignition

OK
4.8.5 Data List

Select some items:
Select the 1st item, and click the Wave button:

Click the Record button to start data recording, until to click Stop button to stop recording:
Click the Play button, it will show the recording data list, select one of them and replay the recording data:
4.8.6 Actuation Test
4.8.7 Maintenance Oil Reset

- Name: Test Result
  - Value: Execute OK
4.8 Screenshot

Captures, saves and prints screenshots anytime and anywhere.
4.9 Print

Prints out the recorded data.

Press “OK” to print the test report, as below:
### Live Data

<table>
<thead>
<tr>
<th>Name</th>
<th>Value</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accelerator Pedal or Level Position Sensor #2 Signal Voltage</td>
<td>0.00</td>
<td>V</td>
</tr>
<tr>
<td>Accelerator Pedal or Level Position Sensor #2 Supply Voltage</td>
<td>50.27</td>
<td>V</td>
</tr>
<tr>
<td>Accelerator Pedal or Level Position Sensor Signal Voltage</td>
<td>0.00</td>
<td>V</td>
</tr>
<tr>
<td>Accelerator Pedal or Level Position Sensor Supply Voltage</td>
<td>50.27</td>
<td>V</td>
</tr>
<tr>
<td>Amber Warning Lamp Status</td>
<td>Open</td>
<td></td>
</tr>
<tr>
<td>Anti-theft Status</td>
<td>Not locked</td>
<td></td>
</tr>
<tr>
<td>Battery Voltage</td>
<td>11.44</td>
<td>V</td>
</tr>
<tr>
<td>Brake Pedal Position Switch</td>
<td>The Next Step</td>
<td></td>
</tr>
<tr>
<td>Calibration Software Phase</td>
<td>6401</td>
<td></td>
</tr>
<tr>
<td>Clutch Pedal Position Switch</td>
<td>Release</td>
<td></td>
</tr>
<tr>
<td>Cruise Control On/Off Switch</td>
<td>Close</td>
<td></td>
</tr>
<tr>
<td>Cruise Control Accelerate Switch</td>
<td>Close</td>
<td></td>
</tr>
</tbody>
</table>

### 4.10 Manual

In manual function, you can read the XTUNER-T1 quick guide and the vehicle code coverage.
PRODUCT ACTIVATION

At the first time enter the Online store to download the diagnostic APP, you have to activation your XTUNER-T1. Please follow the instruction below.

Run the XTUNER-T1 APP, keep your laptop or PAD connecting the internet.

Please click “Online store”.

4.11 Diagnose function list
Press “Detail” button
4.12 Feedback

The information of diagnostic software problems can be uploaded to the manufacture by this function. It helps the engineers to fix the bugs quickly.

![Feedback screenshot]

NOTE: With * information is required; the attachments size cannot exceed 8MB.

4.13 Data Management

4.13.1 Image management

Here you can browse or delete the pictures.
Click the image to browse the picture.
Click the “X” symbol to delete the image.
4.13.2 APP management

Users can delete the diagnostic software here, one by one or all-selected delete.
4.14 User Management

Input workshop information, and save the information.

5. Products website

Please focus on our website www.tdintel.com for the updating information and other news.

6. Warranty

XTUNER-T1 software is free updating within 1 year from the date of product activation.