吉利汽車學堂
GEELY ACADEMY

GLDS 2.0 Introduction & Operation

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Overview

GLDS Geely Diagnostic System is online diagnostic system, suit for all the vehicles which base on Geely 2.0 electrical architecture.

- Online diagnostic
- Online software upgrading
- Online coding the ECU
- Online matching key
- Online wiring diagram
- …

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Installation Requirements

Laptop Requirements:

OS: Windows 10/11

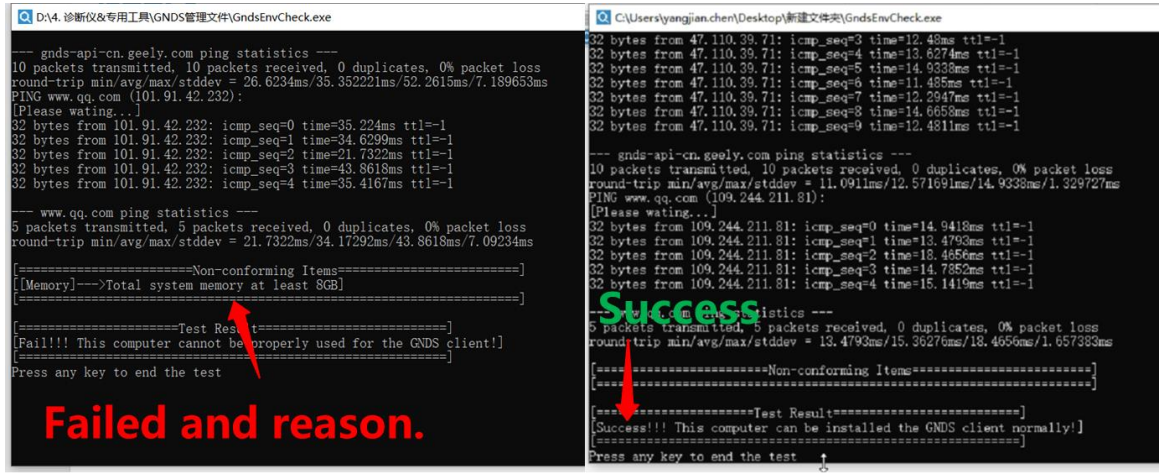
RAM: above 8GB, suggest 16GB

HDD: above 400GB

Before install the GLDS software on one laptop, could carry out a small test. Run a small program, the program will check whether the network and hardware meet installation requirements.

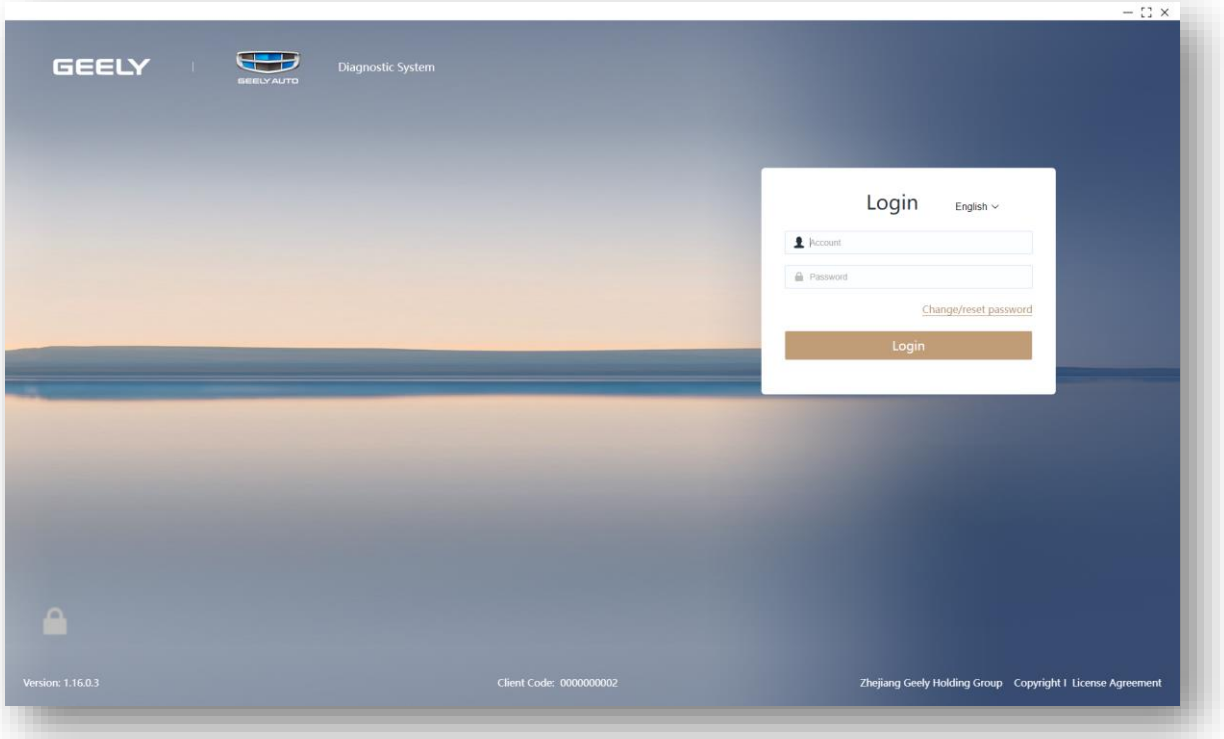
GLDSEnvTesting.exe

Copy the program to the laptop, double click this small program, the result will show.



Installation

Installation Package Download: https://ota-public-all.geely.com/gnds/GLDS2.0-I-Setup.exe



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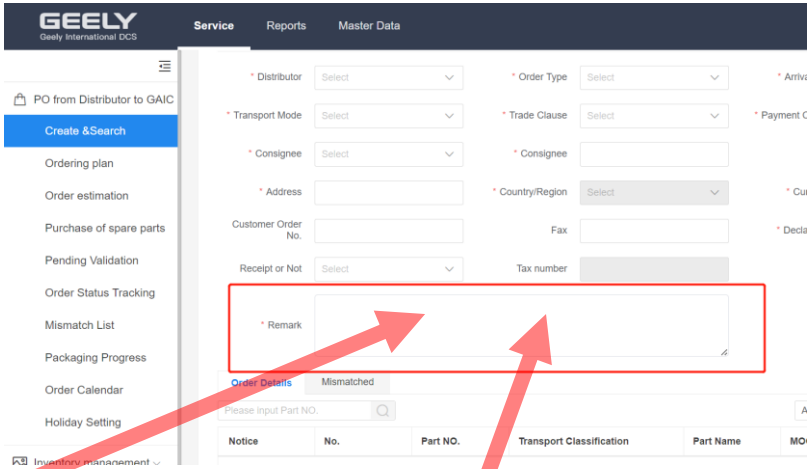
Account Registration and Renewal

Account registration and renewal are 500USD/year/account, and the spare part number is 4114720900.

When submit the order, remark the necessary information please.



Example

- Registration (submit an order to create a new GLDS account):
  - GLDS account creating
  - Username (including first name and last name)
  - Email address
  - Phone number

*Remark

GLDS account creating, Figar Xia, figar.xia@example.com, +86 18033335555

- Renewal (submit an order to have GLDS account renewal):
  - GLDS account renewal
  - GLDS account ID list

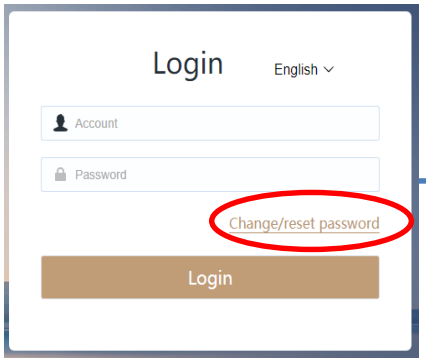
*Remark

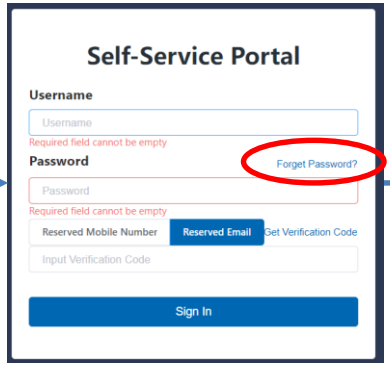
GLDS account renewal, gefxia, geqyang, gexwang

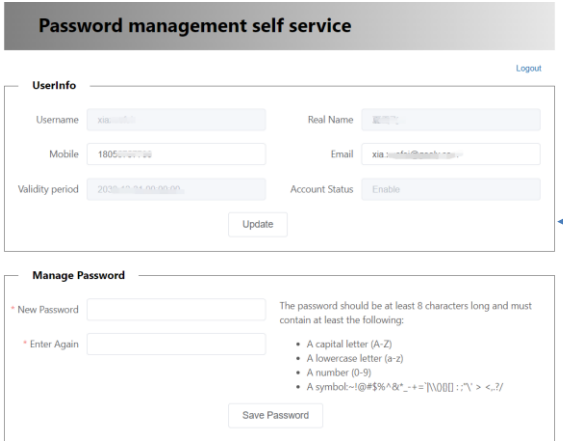
Account Login

Note:

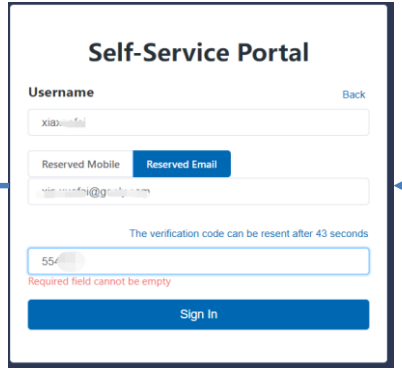
- A new GLDS first time login, need to change the password, please refer to the steps.
- One GLDS account could login at one laptop only, and once login successfully, the account will be bound with this laptop.
- If reinstall the OS of laptop or change to other laptop, need to send email to Geely to remove blinding.



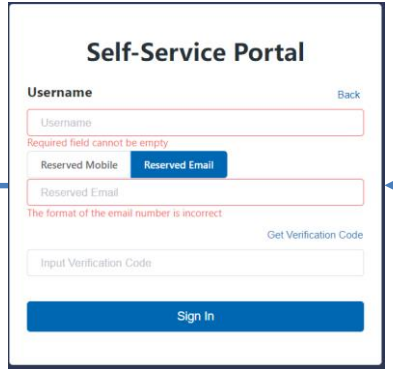




Create password and save



Fill Code then click sign in



Fill account and registered email, then click Get Verification Code

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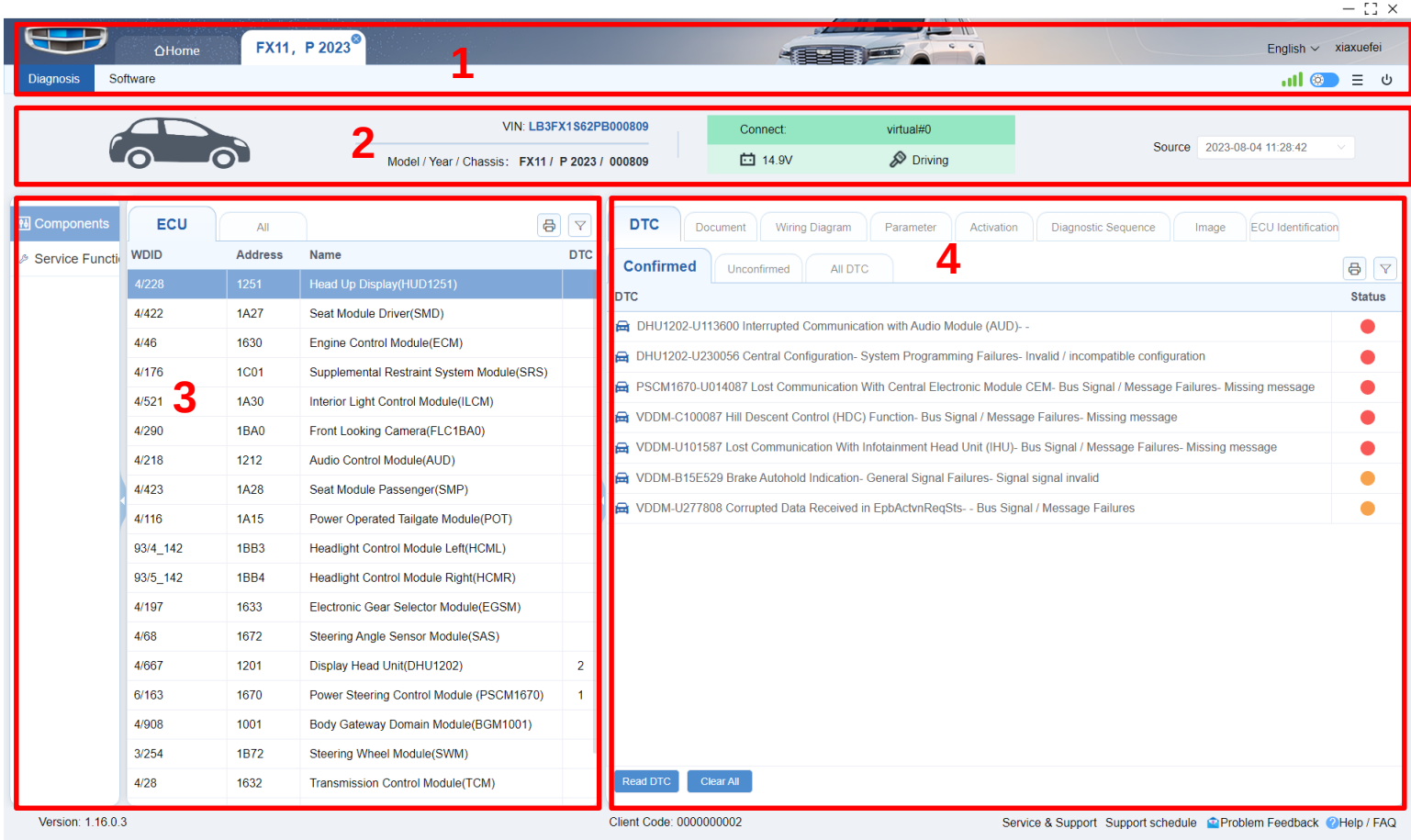
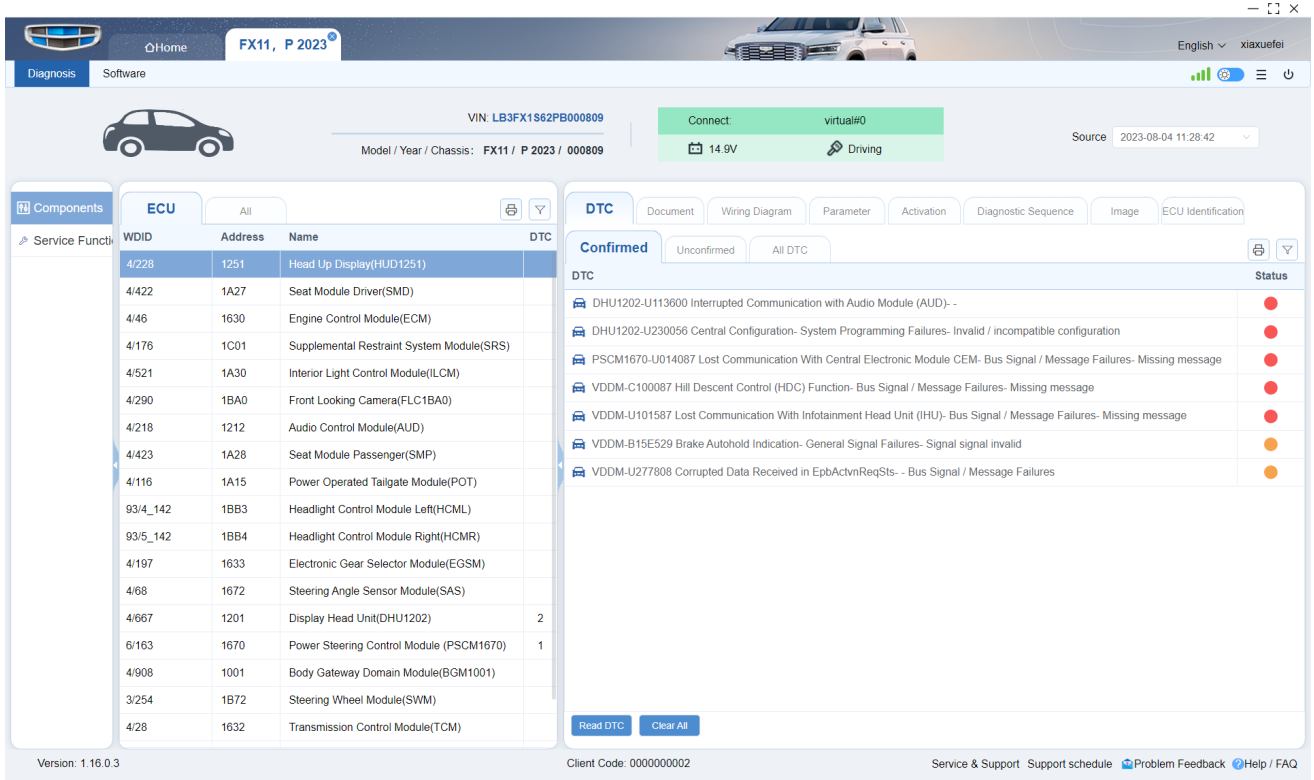
Diagnosis Interface Introduction

1. Menu and Setting
2. Vehicle information
3. Control module list
4. Function



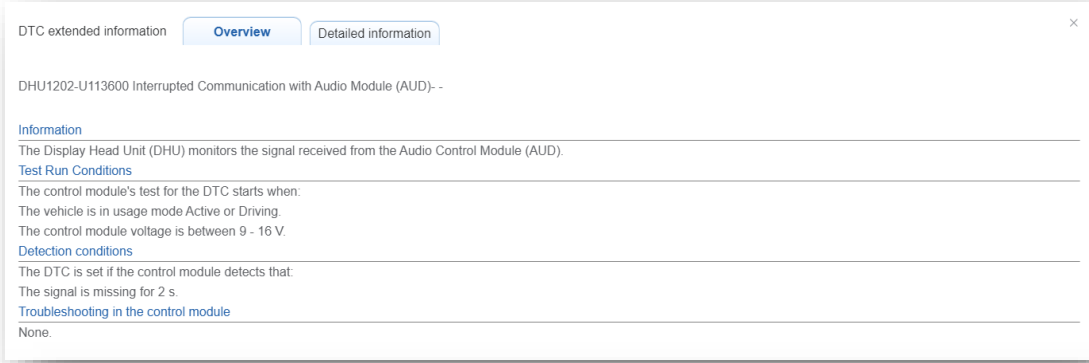
Read DTC

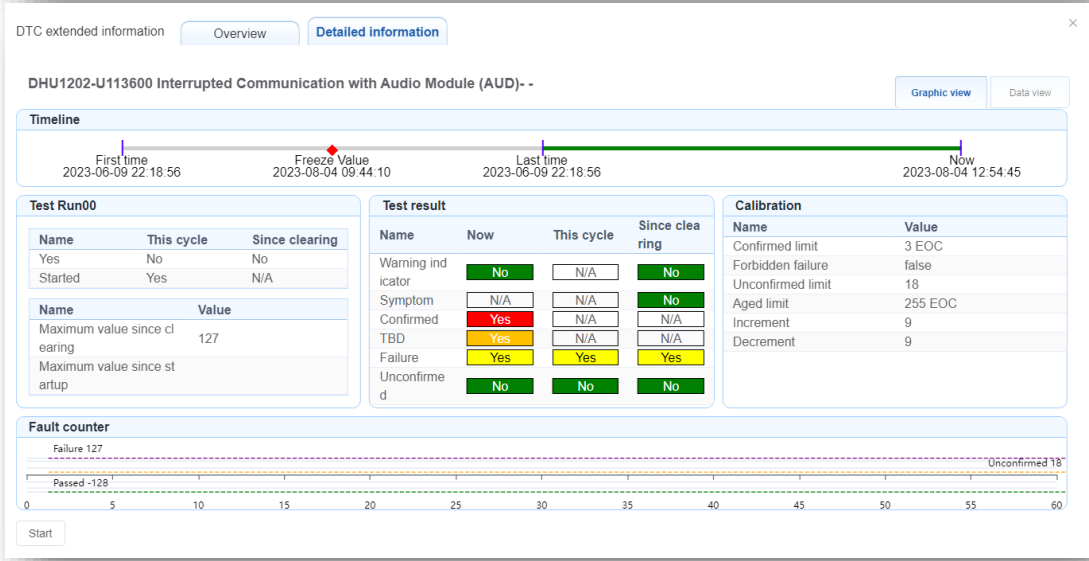
- Choose Components, it will enter ECU,DTCs interface by default, and all the ECU DTCs will be displayed on the right side.
- When you select one ECU, the related DTC will be topped and highlighted.
- You can click “clear all” to clear the DTCs, and click “Read DTCs” to read those still exist.
- DTCs are divided into confirmed and unconfirmed, focus on those confirmed.
- Select one ECU, then click “ All DTCs”, you can check all the DTCs of this ECU.



DTC Information

- Click the DTC to read the detail information



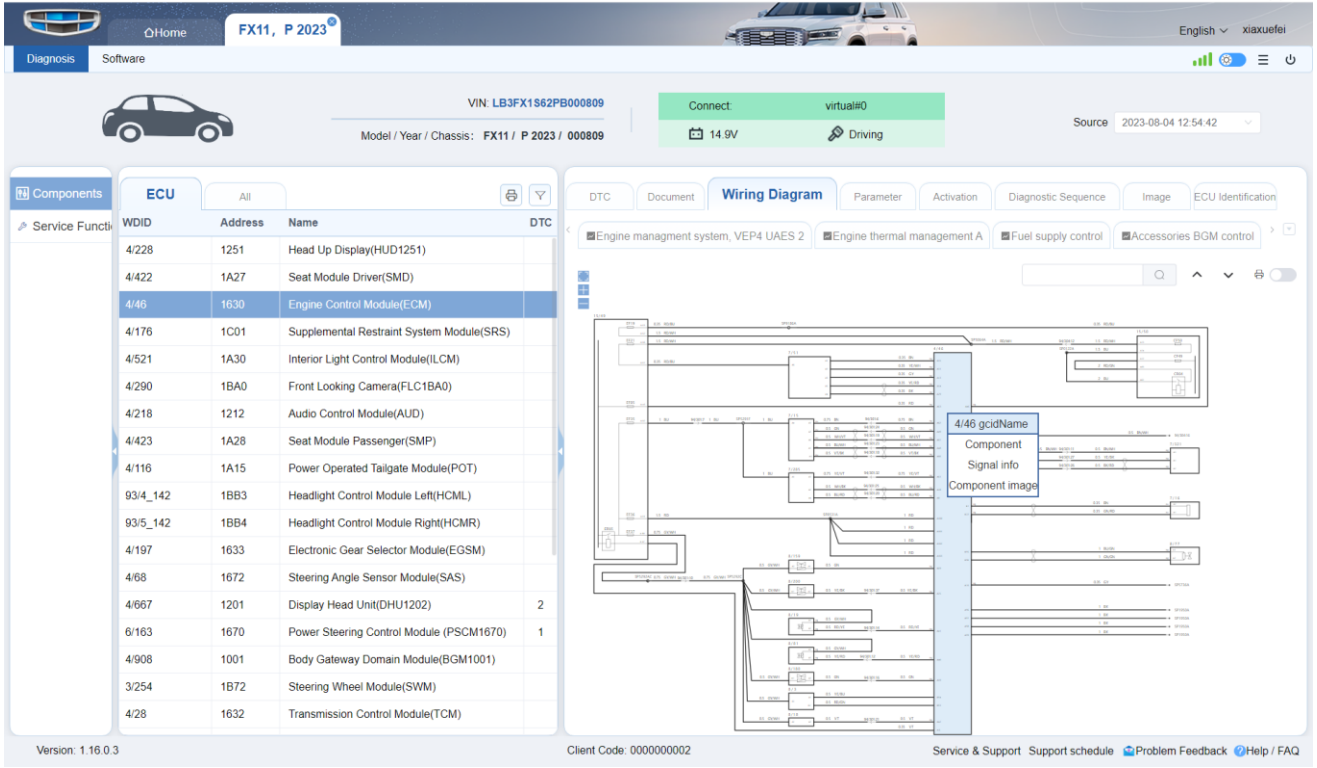


DTC Status

Status indicator	Status name	Description
	Confirmed	Long duration fault detected many times by the in-vehicle DTC test. These faults have been detected long enough and enough number of times in order to be regarded as permanent. The DTCs associated with these faults are therefore regarded as confirmed. These faults have been detected by a selective and accurate detection principle during stable, known and controlled conditions. The advantage of detecting faults in this robust and accurate way is that they can be considered as verified and confirmed by the in-vehicle DTC test.
	Pending	Long duration fault detected one or more times by the in-vehicle DTC test. These faults have been detected long enough but not enough number of times in order to be regarded as permanent. The DTCs associated with these faults are therefore not yet regarded as confirmed.
	Failed	Long duration fault detected one time by the in-vehicle DTC test. These faults have been detected long enough but not enough number of times in order to be regarded as permanent. The DTCs associated with these faults are therefore not regarded as confirmed.

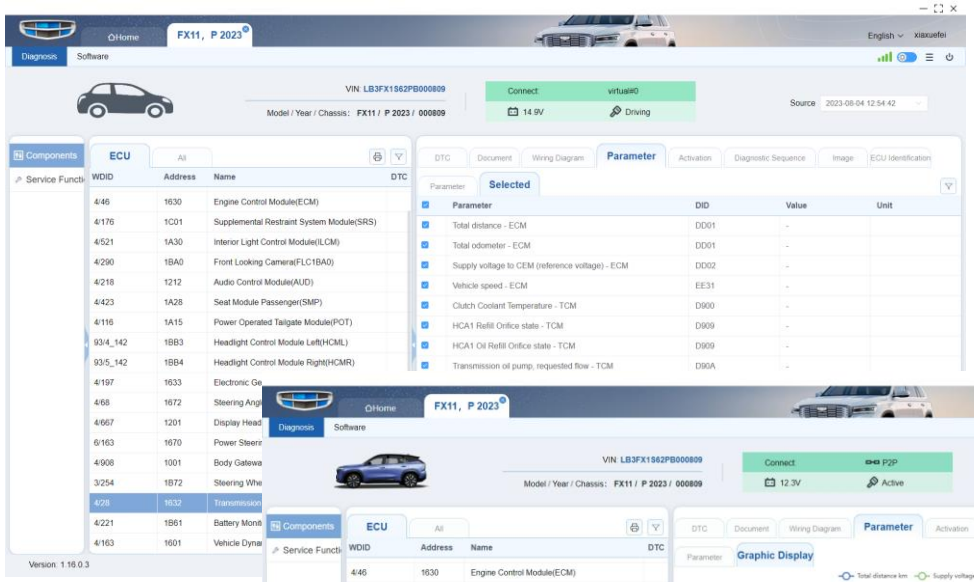
Wiring Diagram

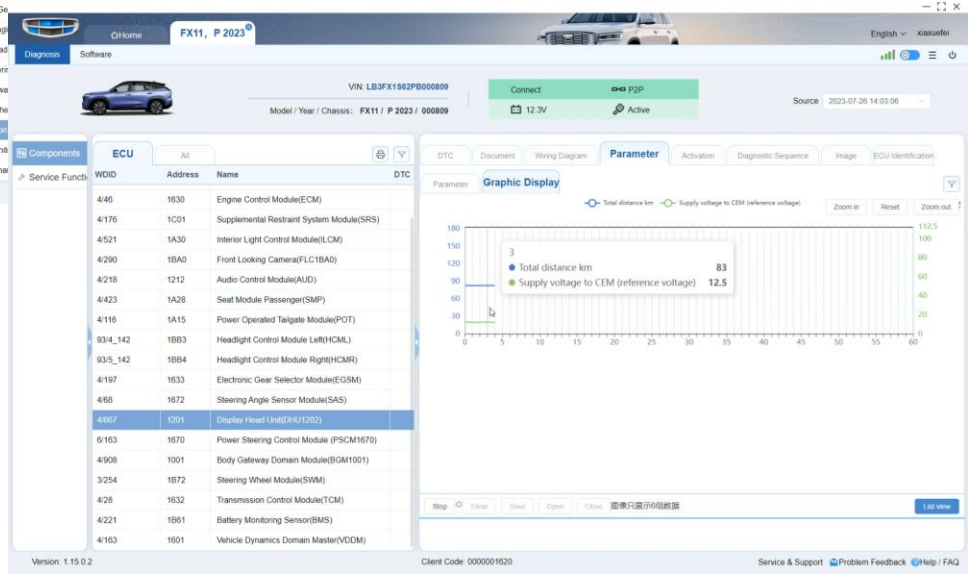
- Choose Components, select one ECM, click “Wiring Diagram”.
- Right click component to check the component name, terminal definition, image, location, pinout interface.



Parameter

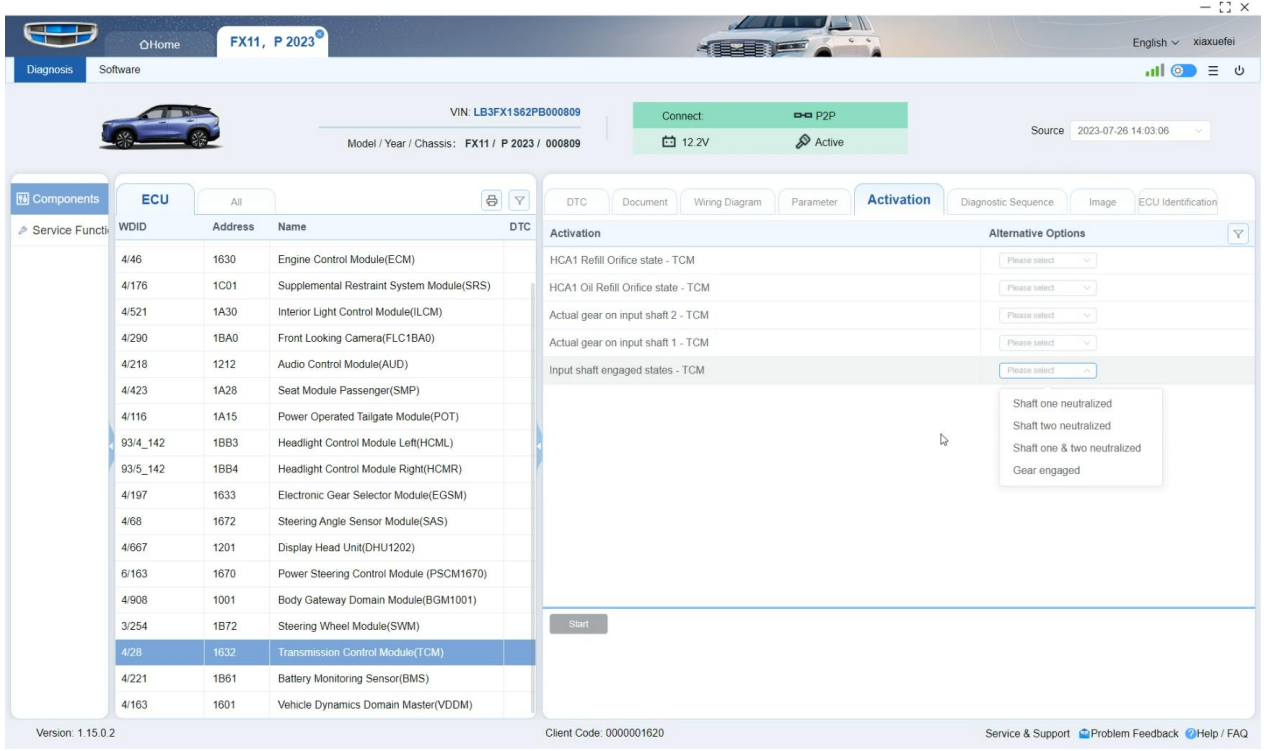
- Choose Parameters to read the data stream.
- Select the needed options, click “Selected” and start recording the data stream of different control units at the same time.
- There are two modes: Graphical View or list view.
- On graphical view, we can save the data stream graphic and can open graphic saved before.





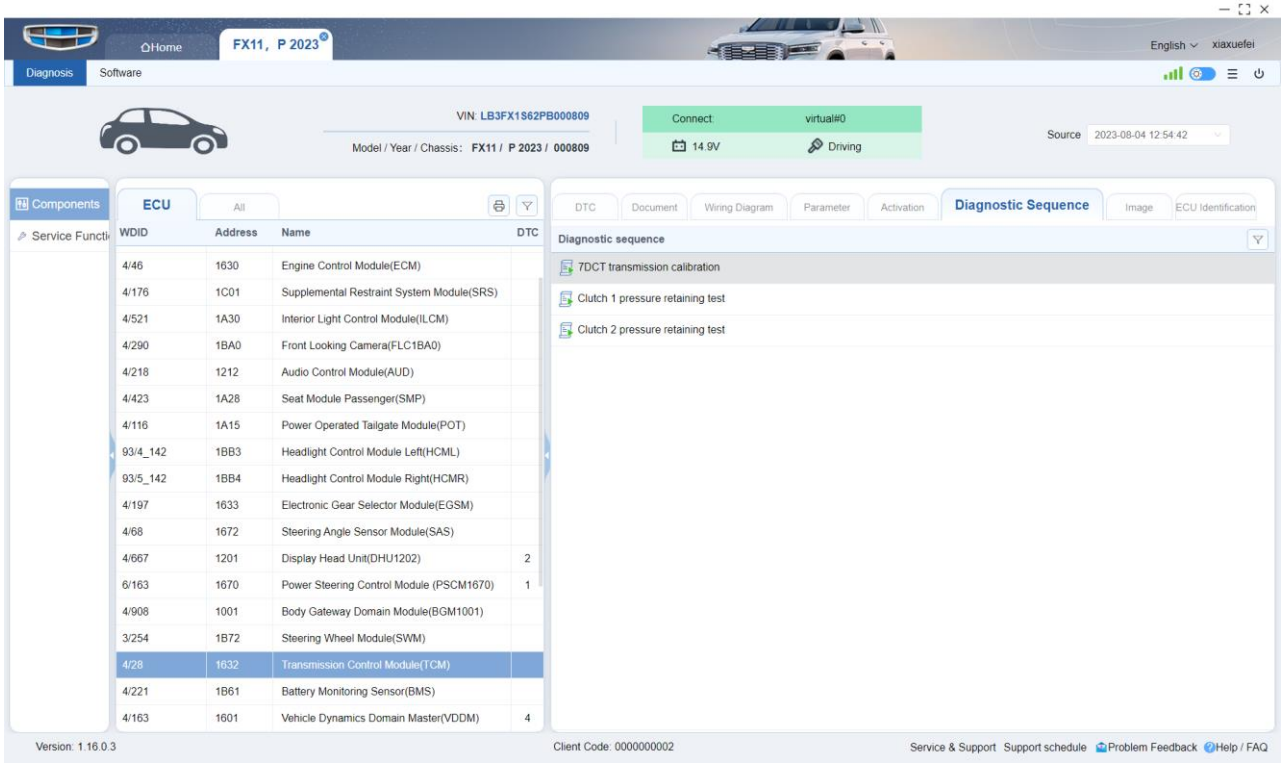
Activation

- Choose Components, select one ECU, click “Activation”, there will be come activations which can be realized by the selected ECU, select one activation and click start to test it.
  (Some ECU may not have activations)



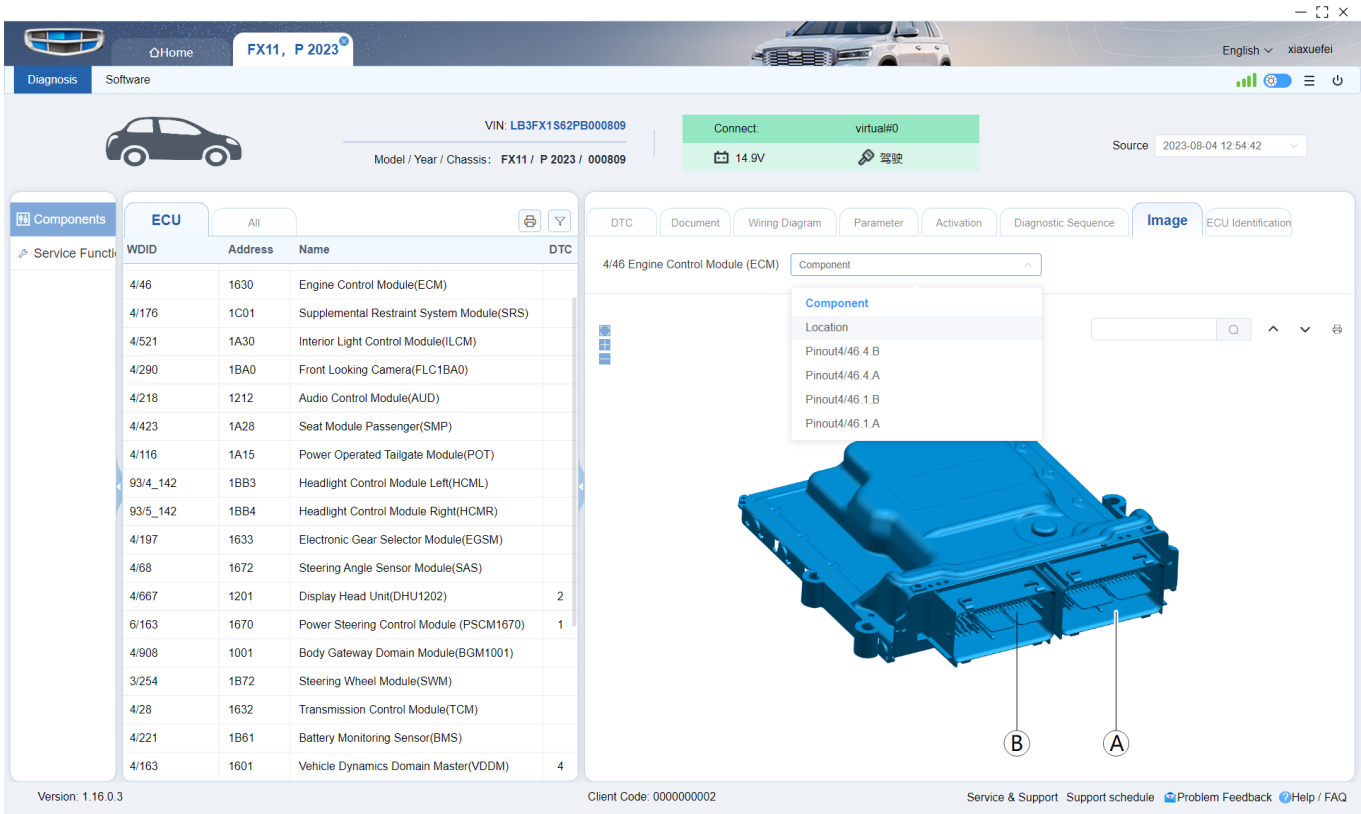
Diagnostic Sequences

- Click to select the sequence, a new window will be opened, showing information, notes or warnings of this sequence, check these information and operate following the guidance to finish the sequence (usually related to calibration).
- For some commonly used sequences, you can click “Service Functions”.
- Not all ECU has diagnostic sequences.



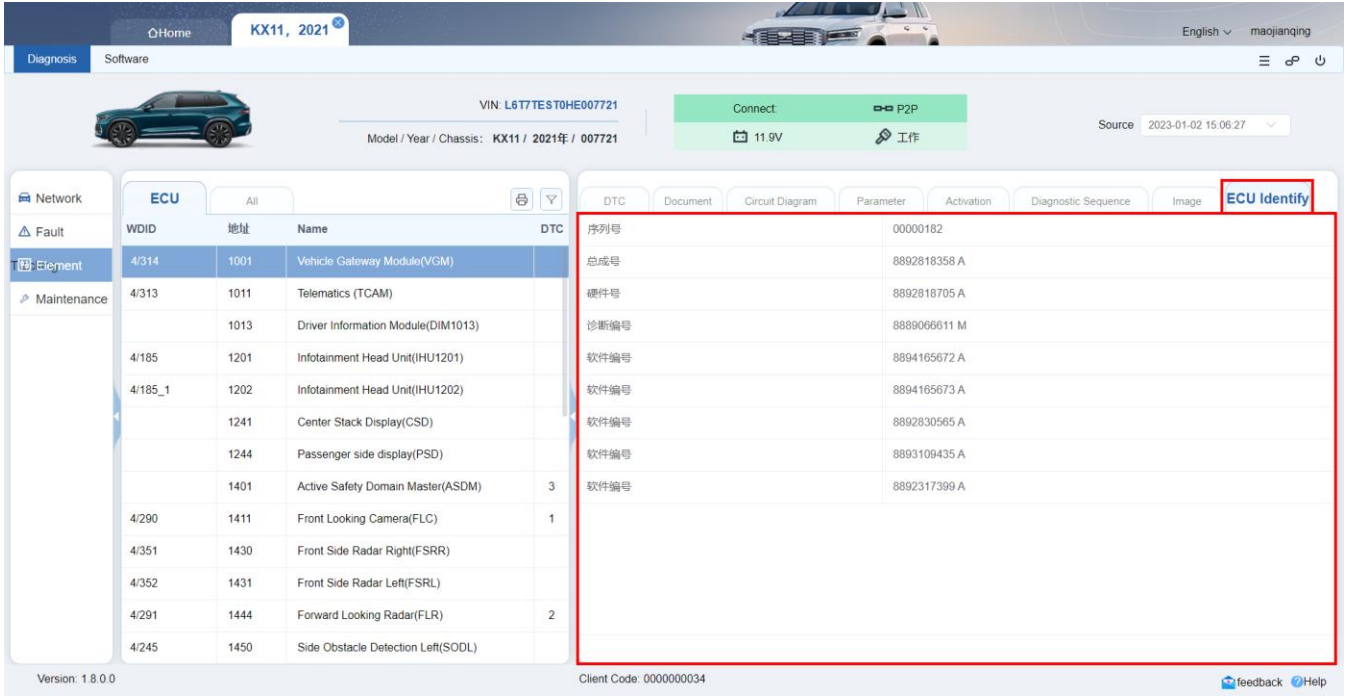
Image

- Choose image, show the component image.
- Click the option, to view it location, and Pinout.



ECU Identification

- Read the ECU part number, hard version, software version.



CONTENTS

Software Reload & Upgrade

① Software

② Reload & Upgrade

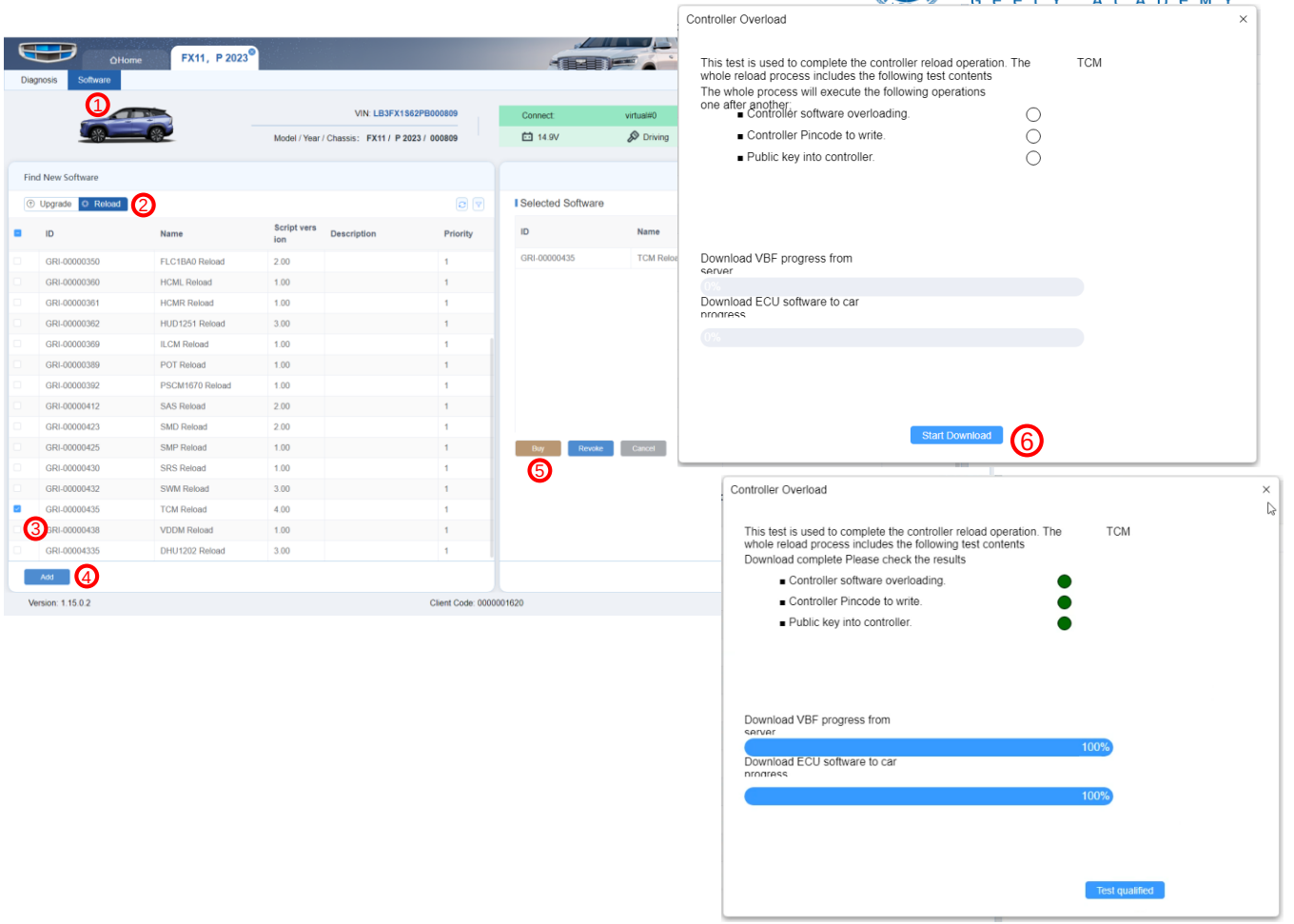
③ Control module

④ Add

⑤ Buy

⑥ Start download

It will download and reload & upgrade the software for the module automatically.



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Setting

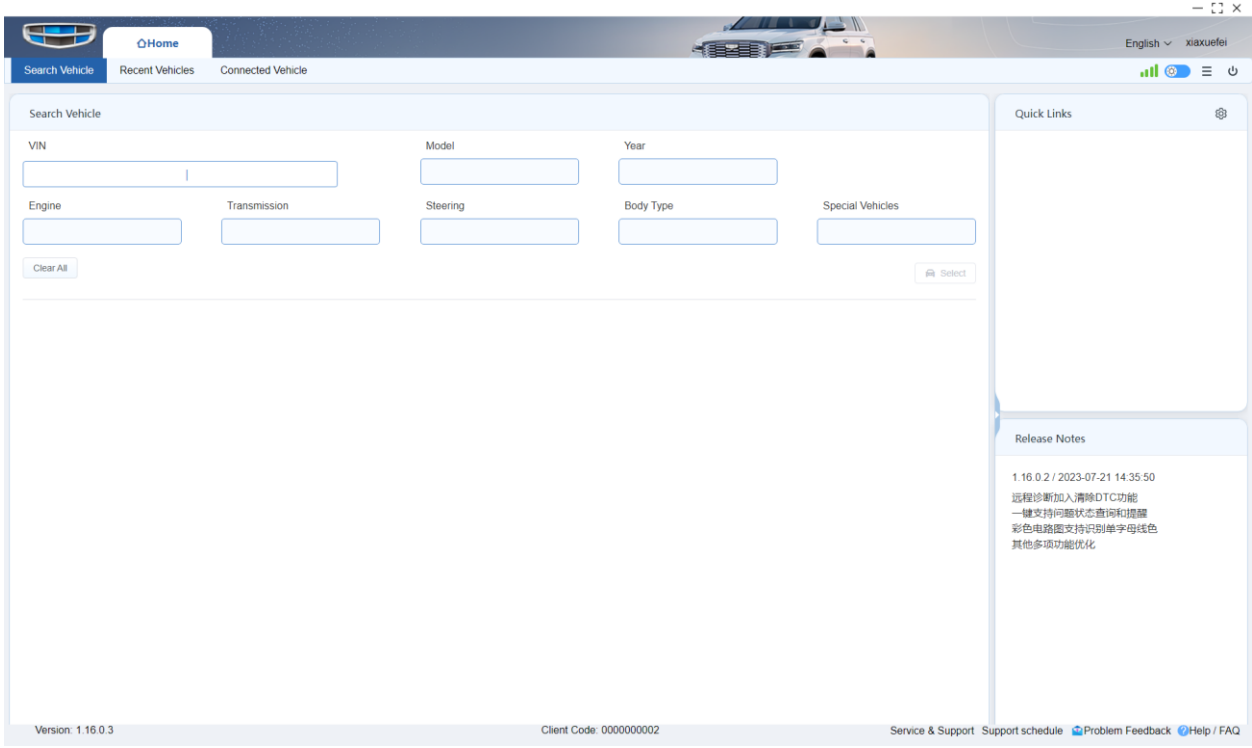
English — Change language English or Chinese

Network state

Change bright or dark mode

Setting

Help / FAQ — Introduction manuals*



* Click Help to get a detailed introduction of GLDS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