BYD Vehicle Diagnosis System VDS2100

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VDS Hardware

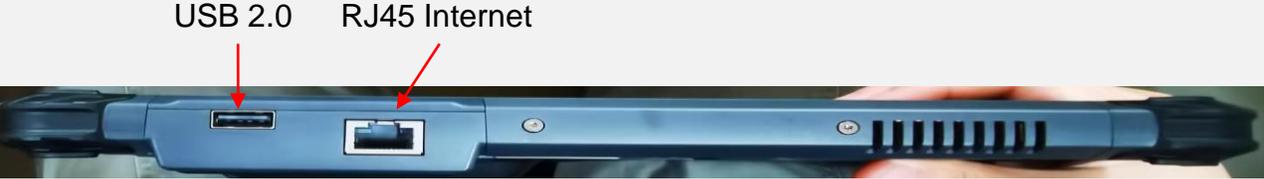Black OBD: For ICE vehicles

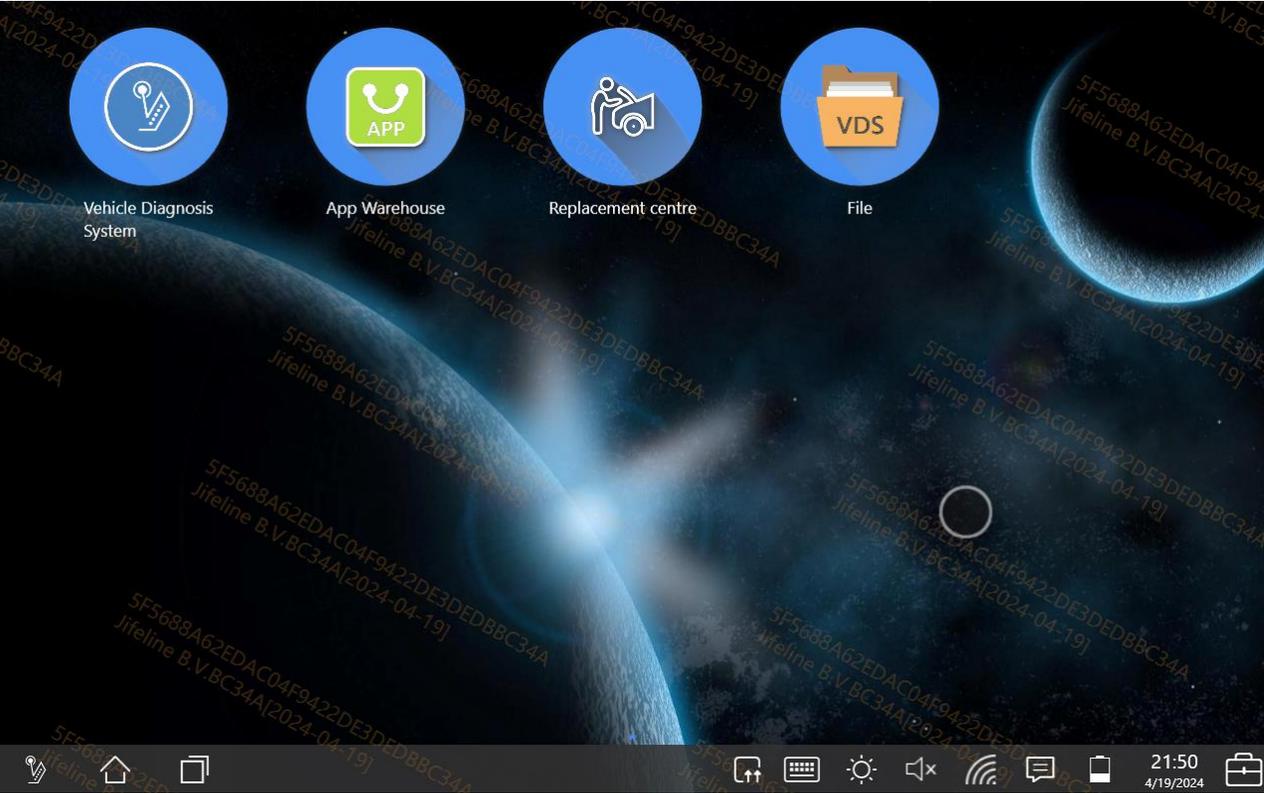Blue OBD: For new energy vehicles

VDS Tablet Introduction

USB 2.0   RJ45 Internet

Type-C interface could also be used to charge/dock with multiple usage (Purchased locally by dealer)

Internet Interface
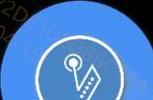
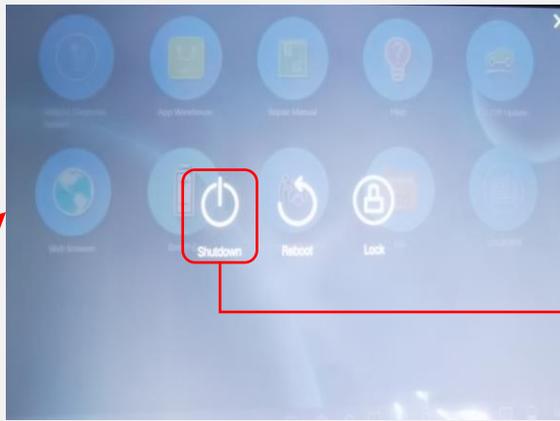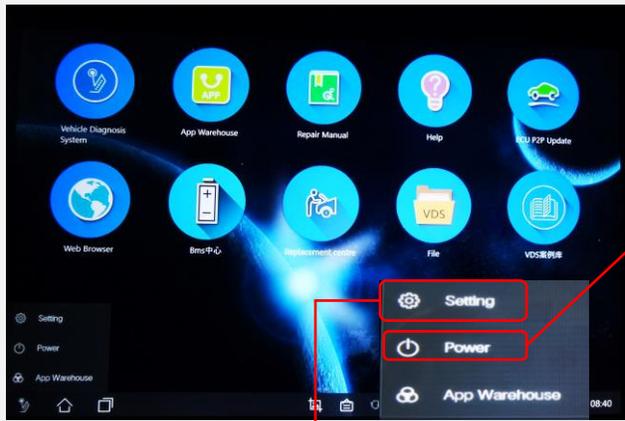Vehicle Diagnosis System

App Warehouse

Replacement centre

File

21:50
4/19/2024

Boot/Shutdown

Home

Volume +

Volume -

Micro HDMI

SD Card Slot
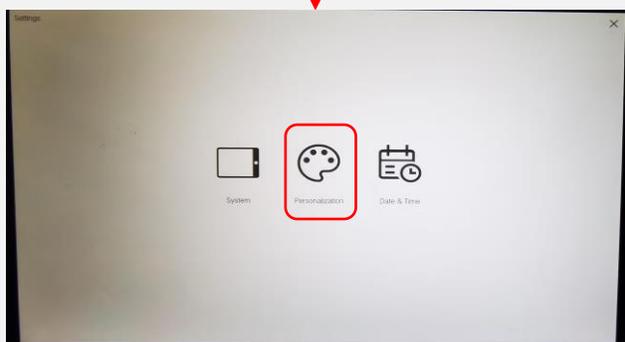
SIM Card Slot

Type-C Interface
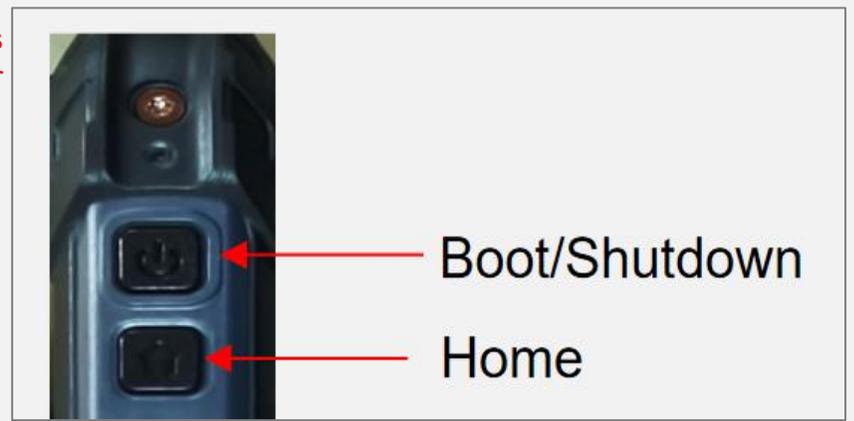
USB3.0 (Connect VDCI)
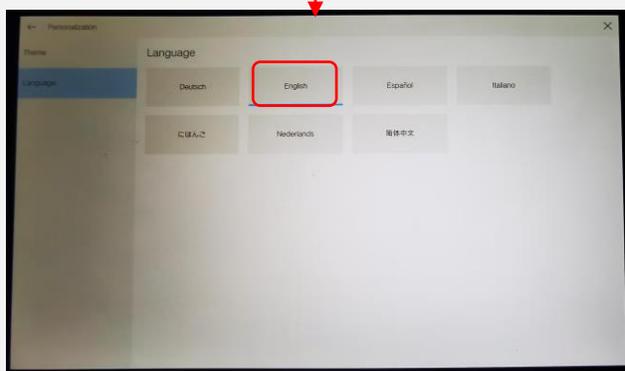
Charging Port

Reserved for future use

VDS Tablet General Setting & Boot/Shutdown

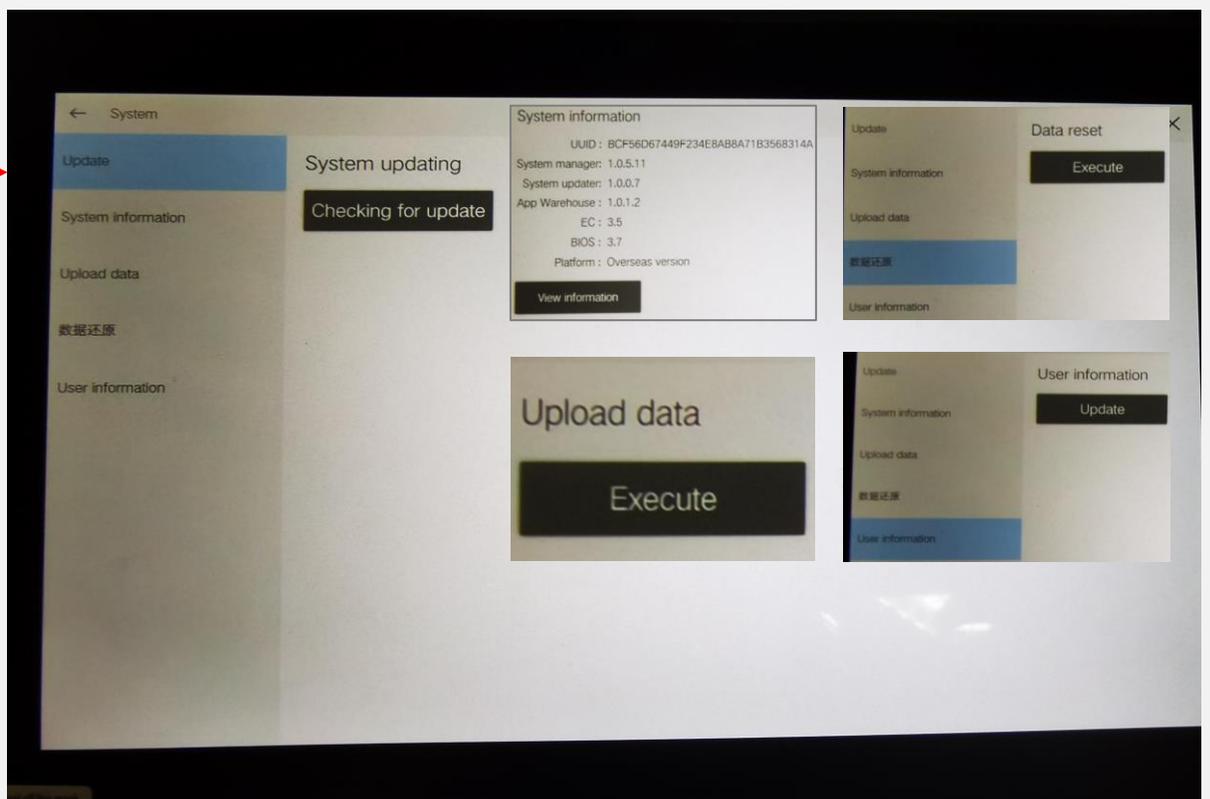Note: Always clicking this "shutdown" icon to power off VDS instead of using the the Shutdown button at the VDS upper right side.

Boot/Shutdown

Home

Note: Upgrade in setting is for VDS device version, it is not the VDS diagnosis system update.
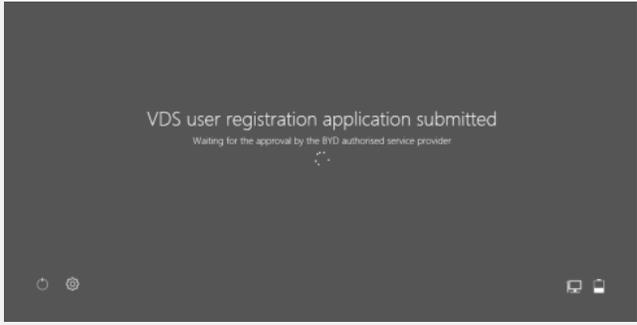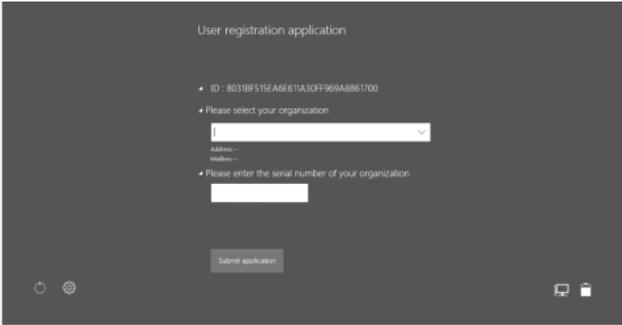
Note: Once the language is changed, VDS will reboot

Registration

- After booting the device and changing the language, check internet connection
- Enter company and department code
- Upload application
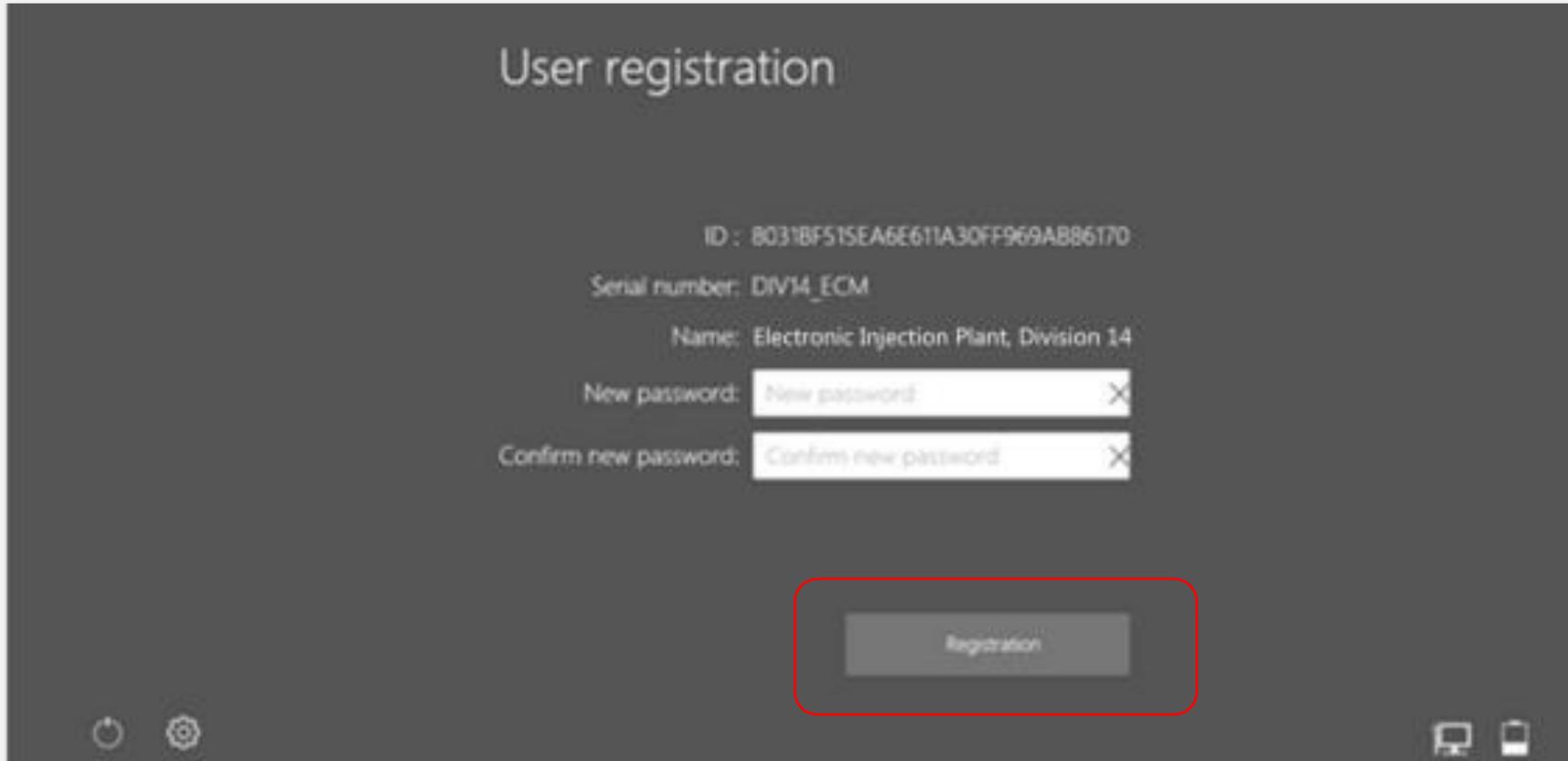- Wait for approval---Submit the 'VDS2100 Activation Application Form' to TIS

UUID is located under the bar code on the back of VDS

Registration

- Password setting --- **Password must be set as 123456**
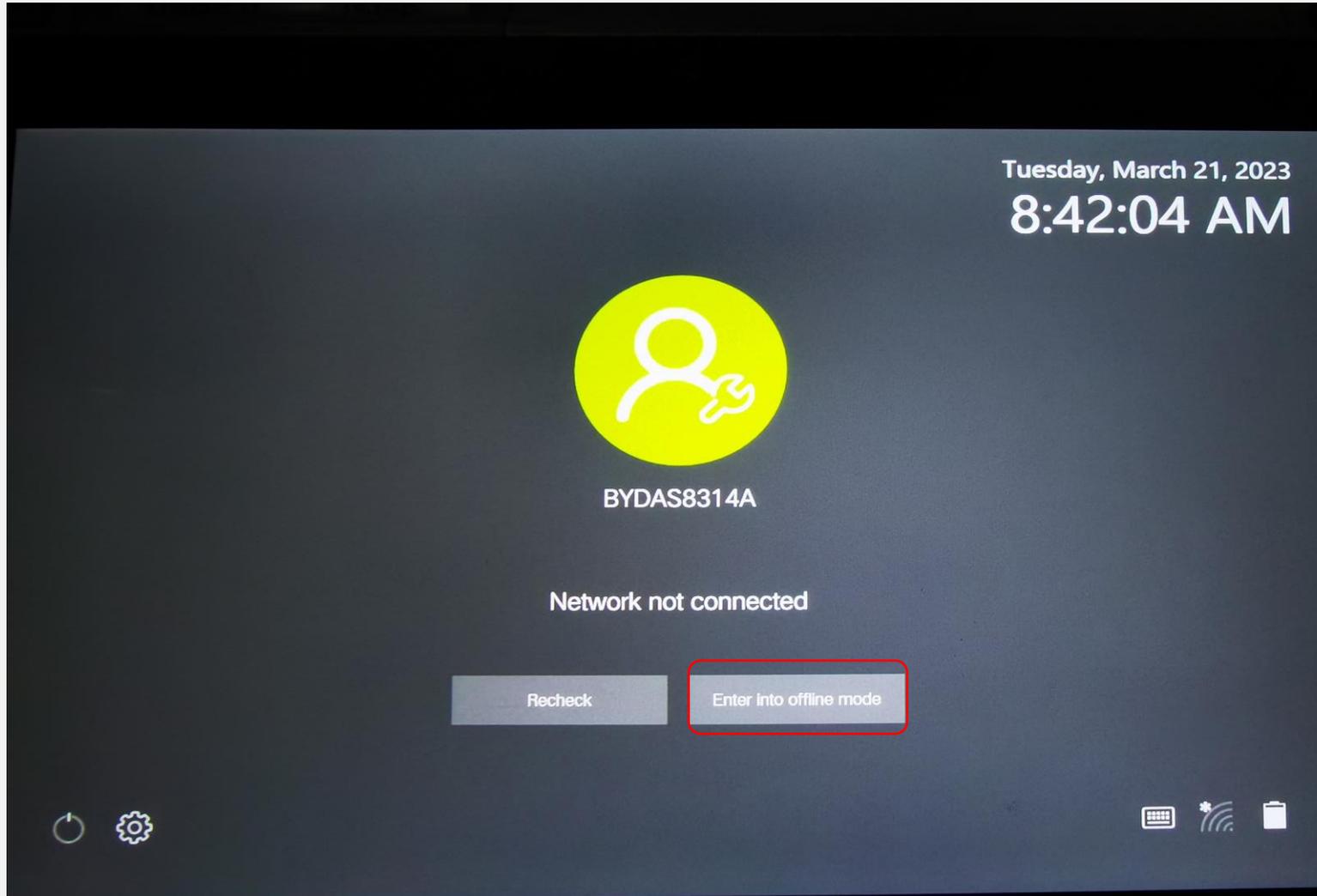
VDS Desktop Introduction
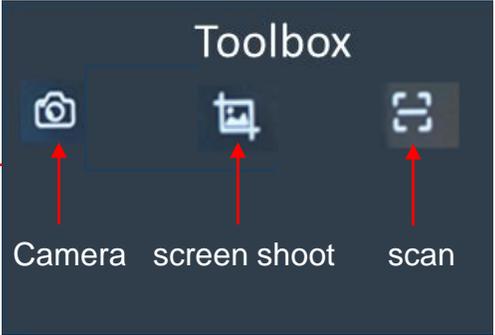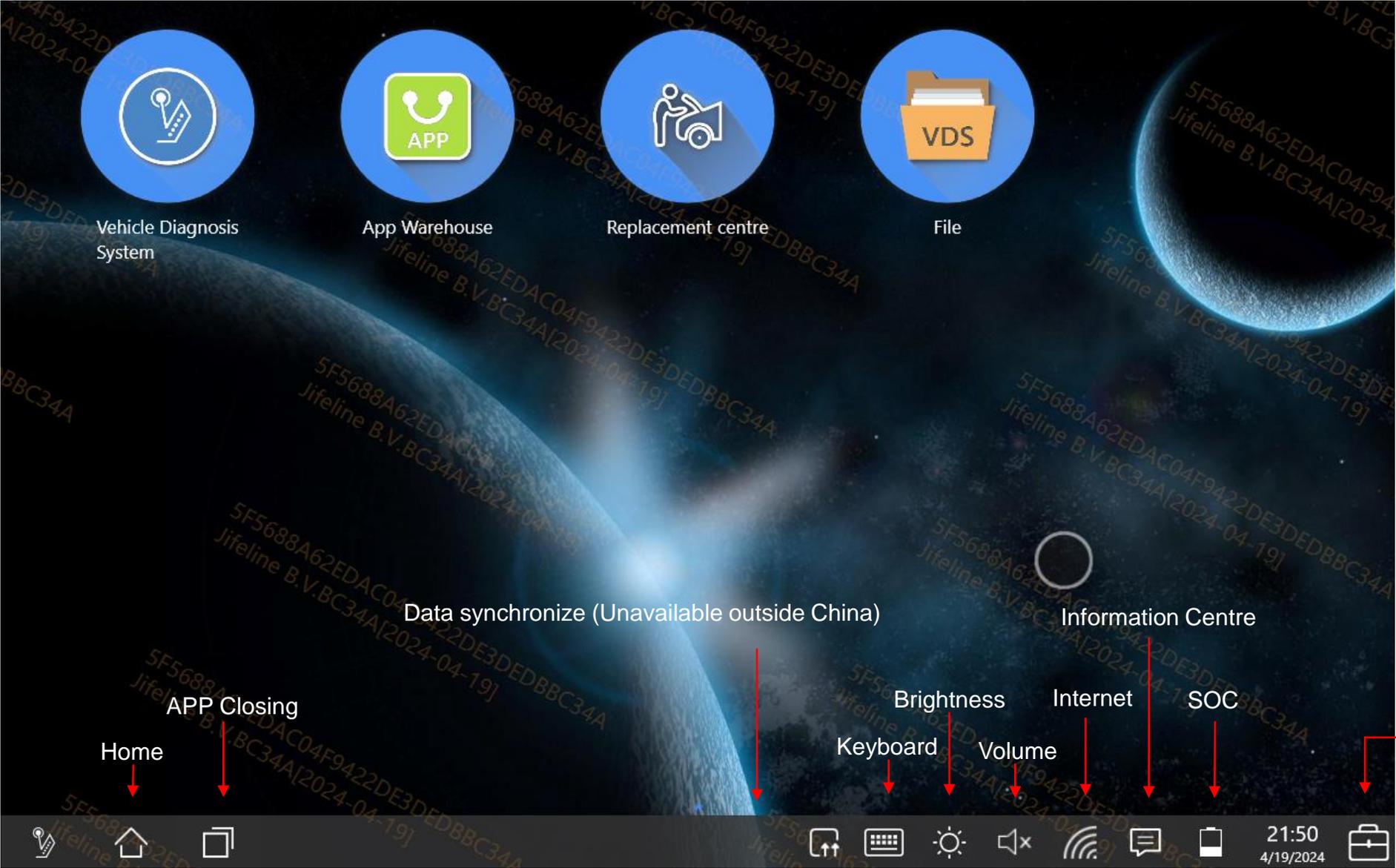
Offline Mode

Note: 'Enter with off-line mode' is recommended. Then connect internet in the desktop. The VDS must be connect to internet every 7 days.

In the offline mode, vehicle diagnosis system still works but functions of other apps or specific operation, internet connection is required.

Connect VDS, VDCI to vehicle
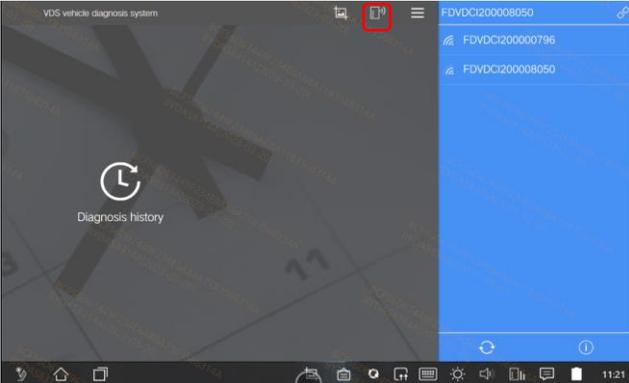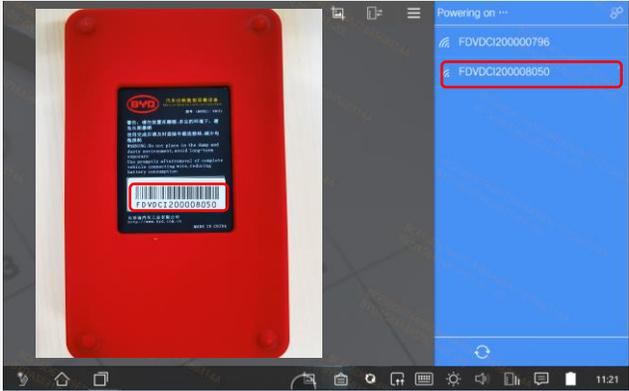
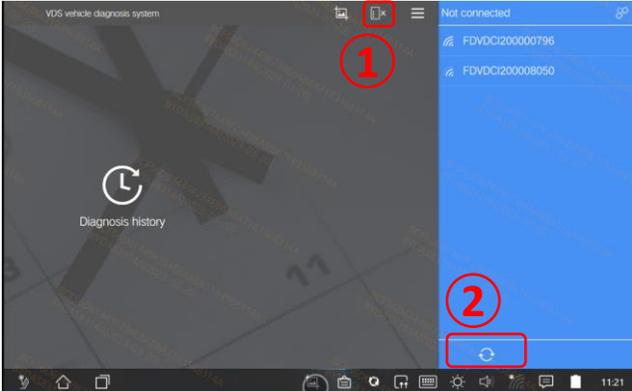Physical cable connection between VDCI and VDS tablet

- VDCI connects with USB interface on tablet
- VDCI connects with the OBD interface on vehicle
- Click the VDCI icon in the diagnostic software to make USB mode diagnosis connection

Indicator	Function	Meaning
STATE	**VDCI 2 state indicator**	**Green :** normal VDCI **Red:** faulty VDCI
VCOM	Indicator of communication between VDCI 2 and vehicle	**Flashing green:** communicating **Continuous green:** communication stopped
COM	**Diagnostic indicator**	**Flashing green:** vehicle under diagnostics **Continuous green:** diagnostics stopped

Connect VDS, VDCI to vehicle

Wireless Connection between VDCI and VDS tablet

Note: Module upgrade cannot be processed under wireless connection

Connection icon of connection between VDCI and VDS tablet

Physical cable connection
between VDCI and VDS tablet
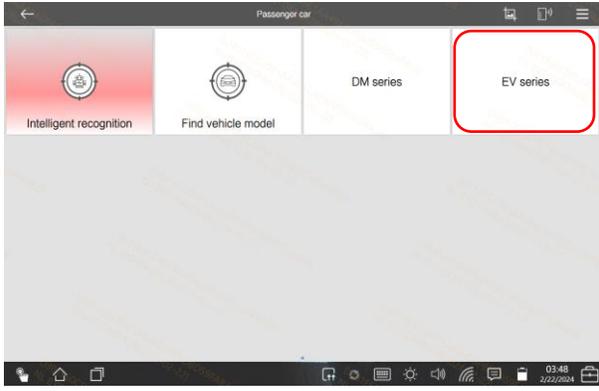
Not Connected
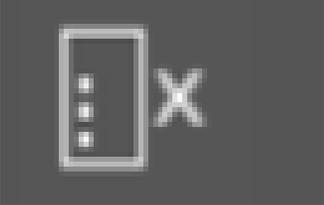
Wireless connection

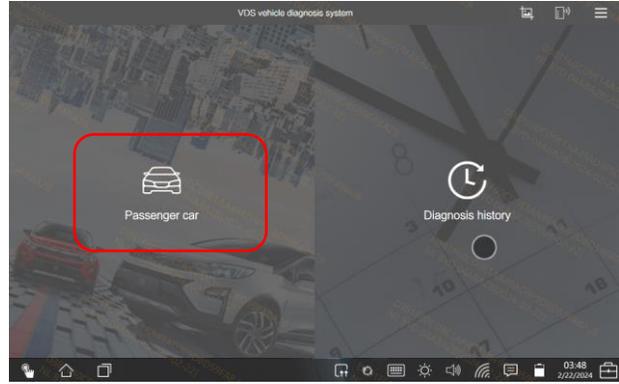# VDS Functions

Vehicle Diagnosis System

Replacement Centre

File

APP Warehouse
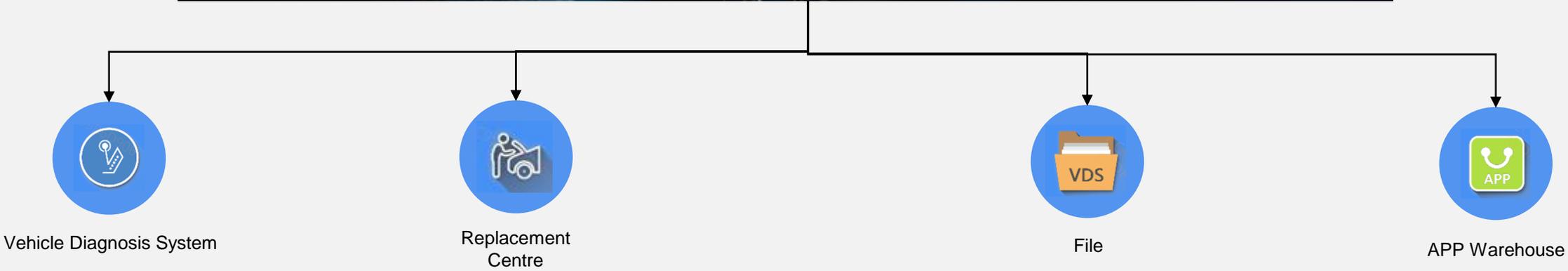
Only above Apps are available in Independent Operator Version

Function - Vehicle Diagnosis System

Scan the vehicle

Read the data flow for the module

Read upgrade information only

Clear all fault codes

Read the module with fault code only

Function - Vehicle Diagnosis System

Check module version

Function - Vehicle Diagnosis System

Read data flow

Taking battery management system as example, find battery management system in ECU modules.

Function - Vehicle Diagnosis System

Export the diagnosis data

Click to export

BYD vehicle diagnosis report
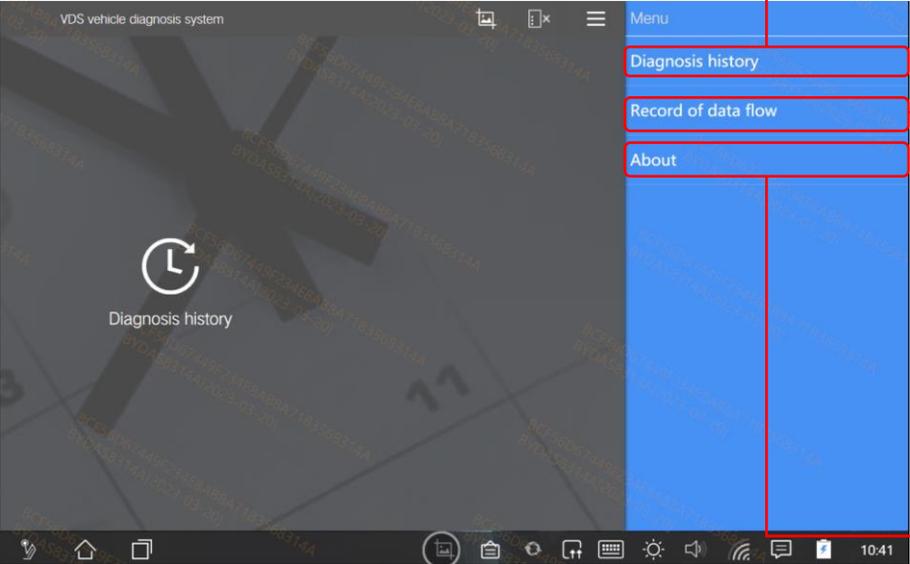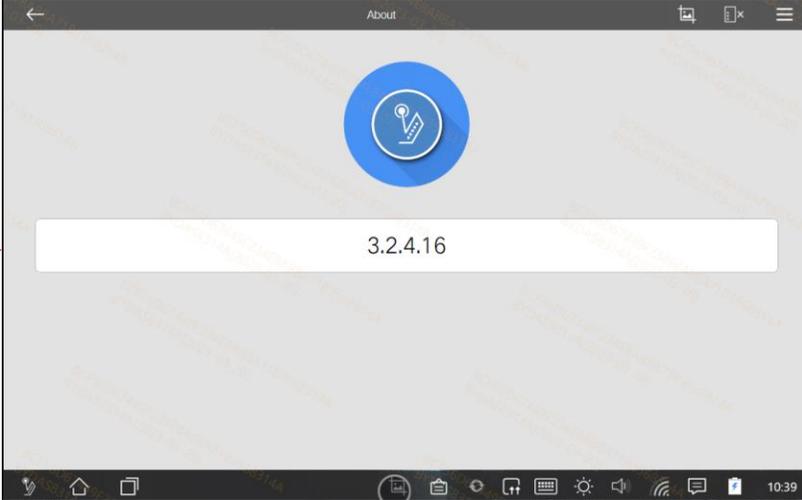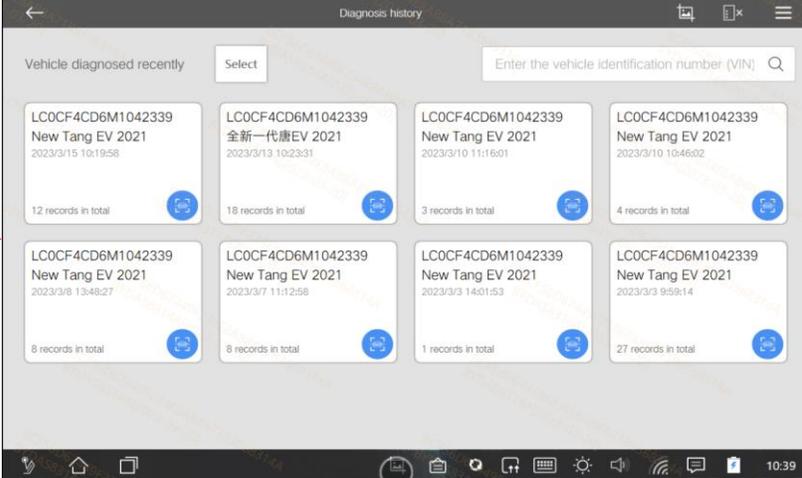
Function - Vehicle Diagnosis System

Diagnosis History and Software Version

next slide

Vehicle Diagnosis System APP version

Function - Vehicle Diagnosis System

Record data flow and review

Reading data flow

Select specific data flow items

Click OK

Start recording

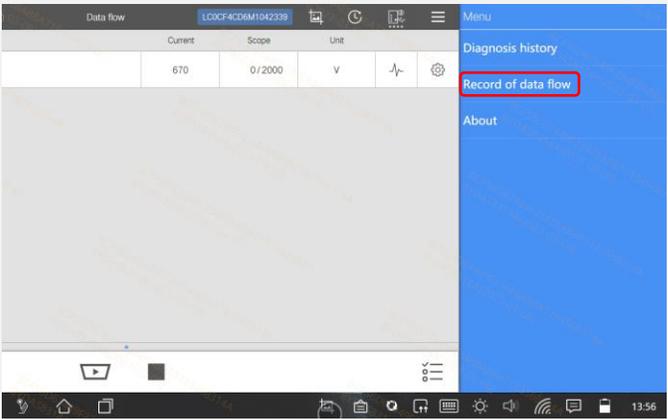Click to record

Read real-time data
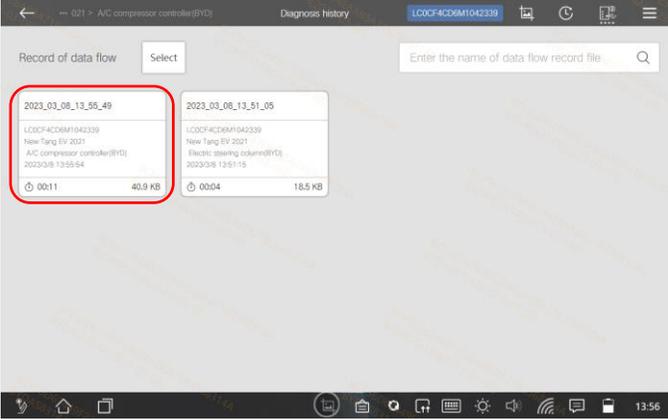
Function - Vehicle Diagnosis System
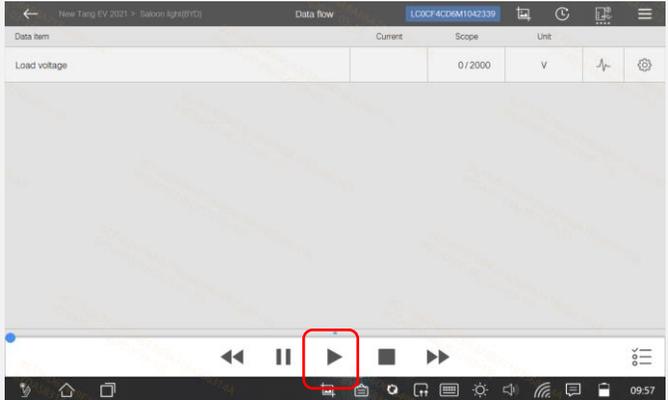
Record data flow and review
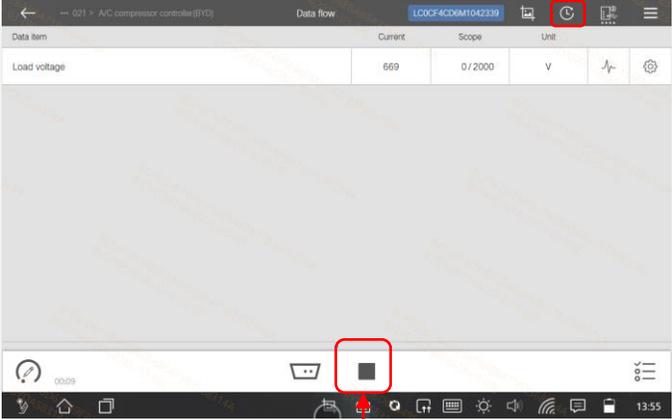
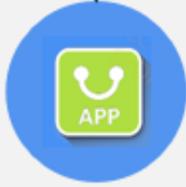Click to stop recording

Go to recording history

Process of exporting the recorded video is listed in the following page

Play recorded data as a video

Function - APP Warehouse

➢ Only for app update or fix.

Function – How to take Screenshot and picture

➤ Click the "camera" to take pictures by cameras, The photos will be saved on **photo album** on File.
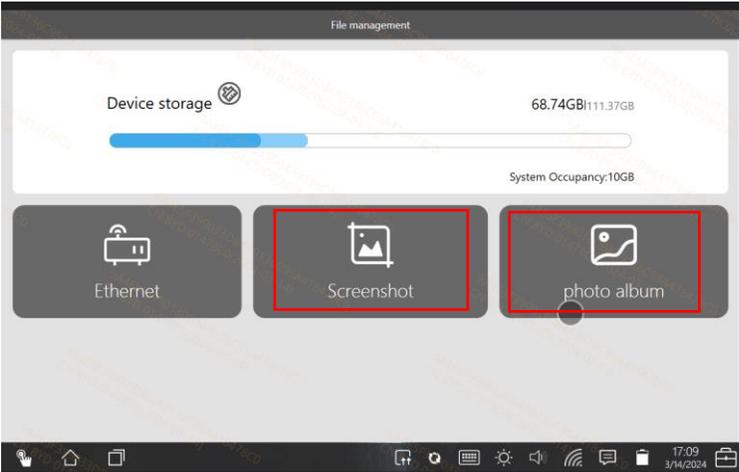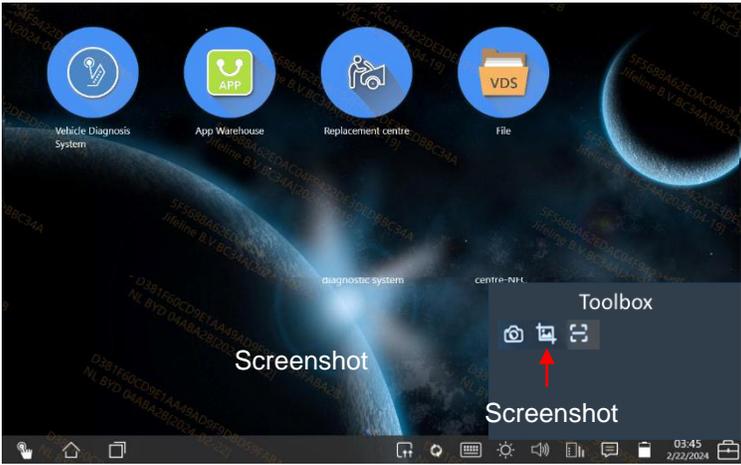

Recover

Take photo

Switch camera

Save photo

The images was saved successfully.

Switch camera
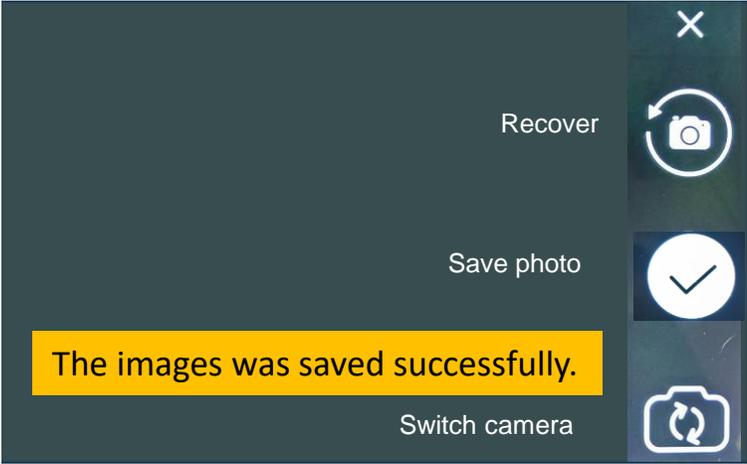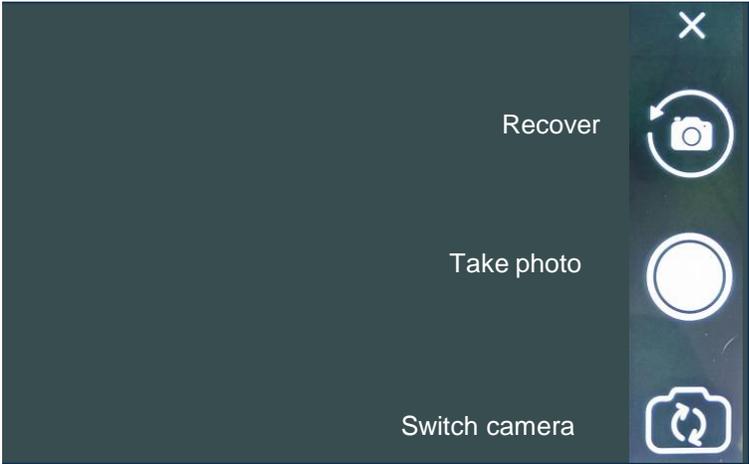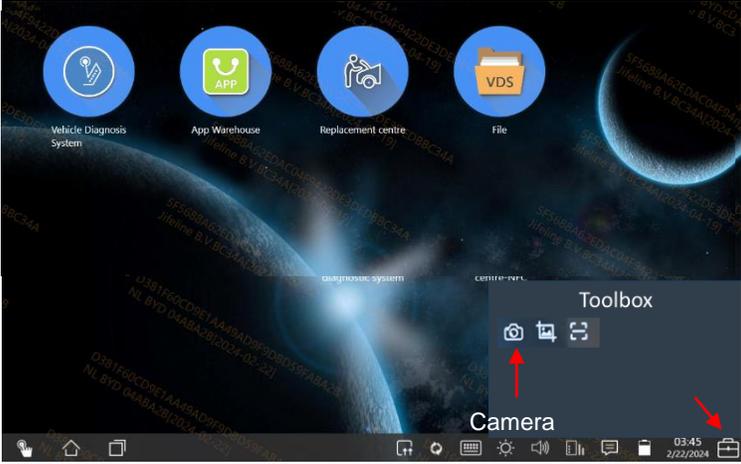
➤ click the screenshot to take screenshot. the screenshot will be saved on **screenshot**.

File management

Device storage   68.74GB|111.37GB

System Occupancy:10GB

Ethernet   Screenshot   photo album

Function – How to take Screenshot and picture

➢Click select> select all > share > enter your email address > Upload subject.
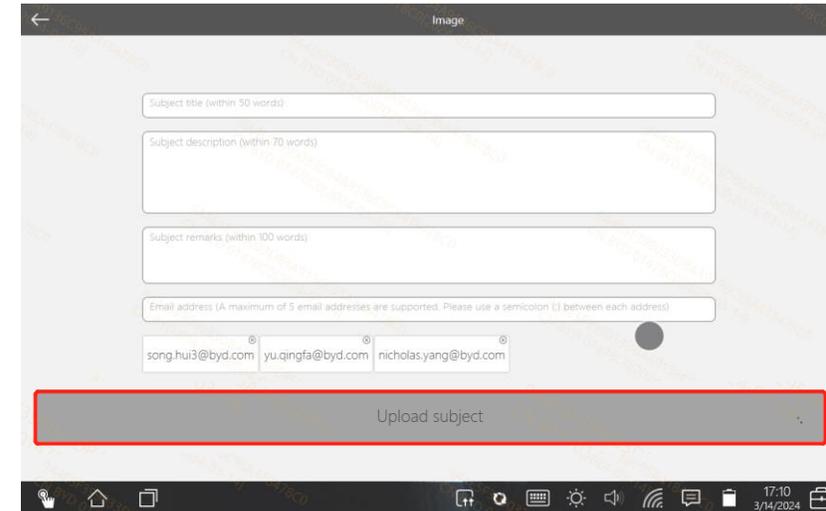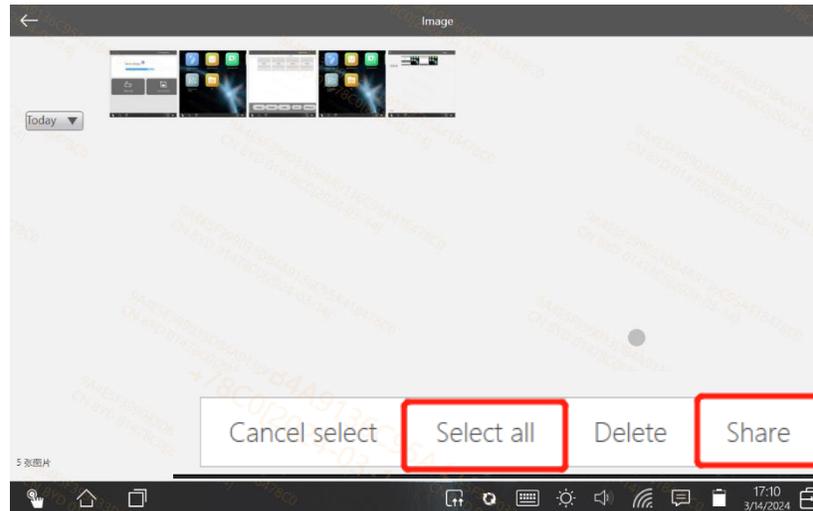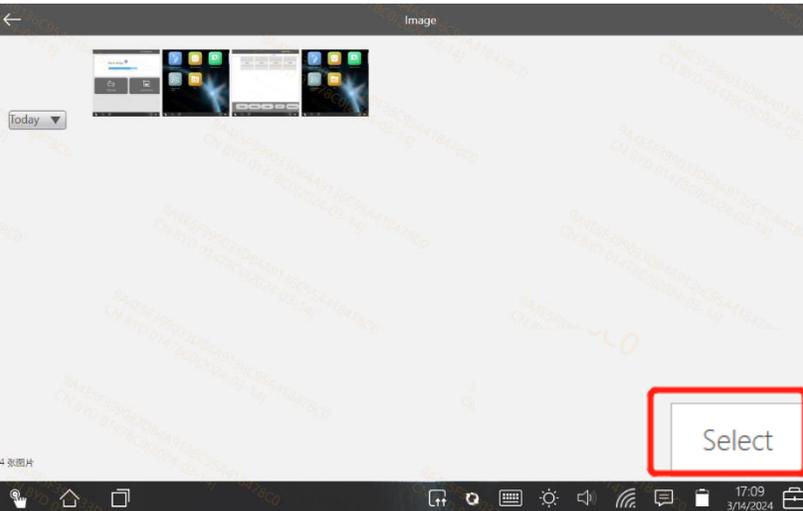
➢Your email will get the linkage for download and download all pictures that you sent.

Function - Replacement Centre
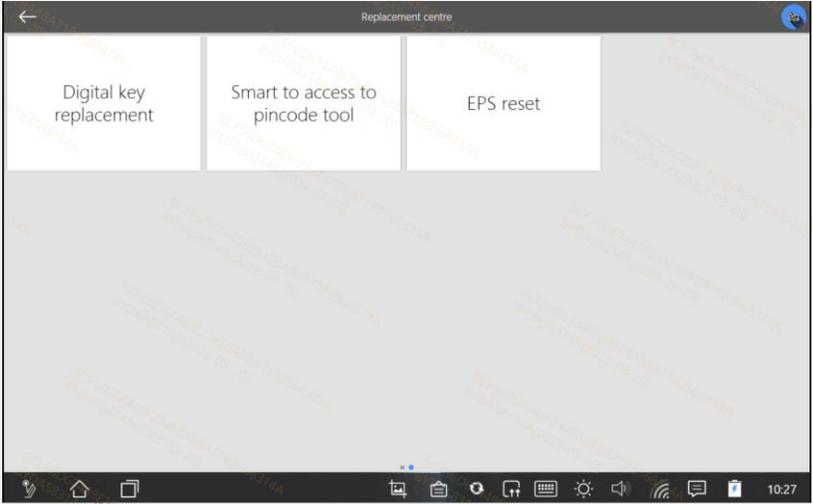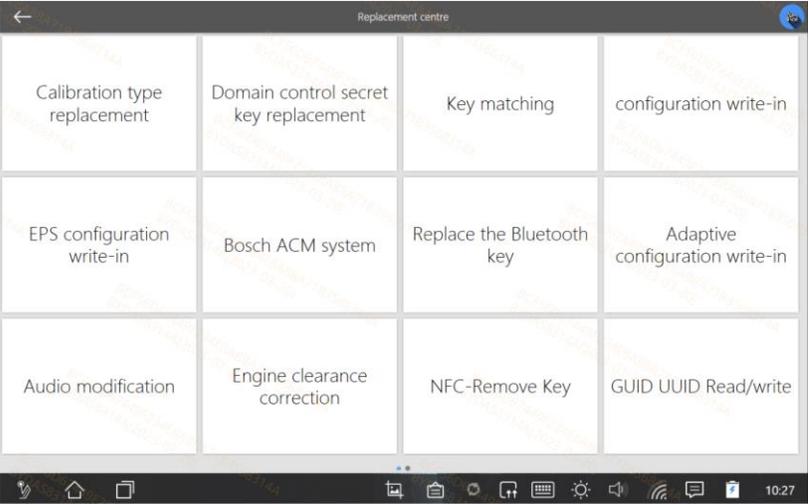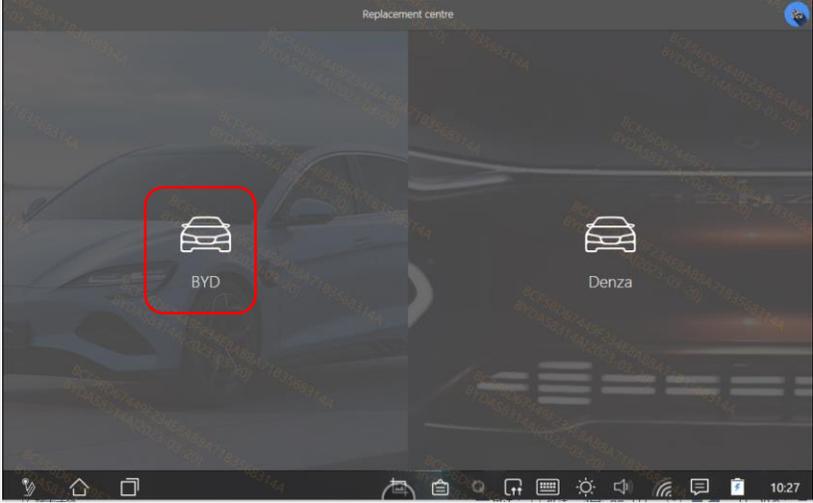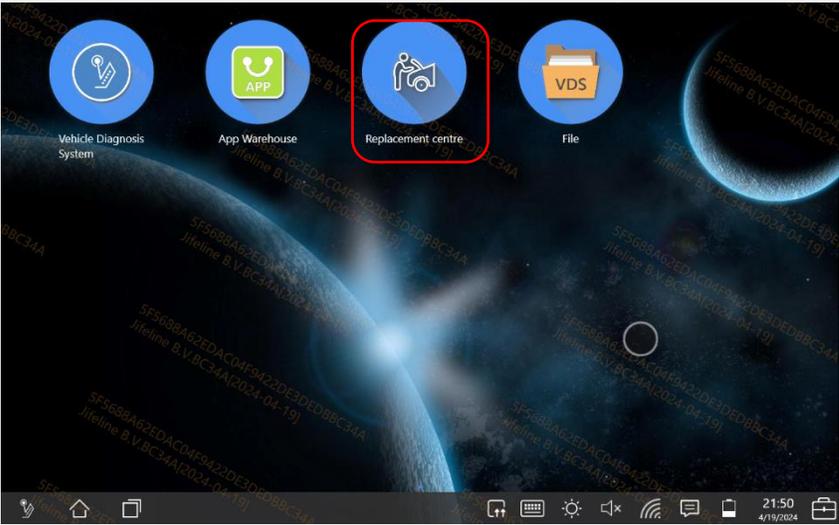
Sub-functions in replacement centre are only available when specific components need to be replaced or calibrated