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BOSSCOMM will not be liable for any direct damages or for any special, incidental, or indirect damages or for any economic consequential damages (including lost profits).

Safety Instructions
The safety messages herein cover situations BOSSCOMM is aware of. BOSSCOMM cannot know, evaluate or advise you as to all of the possible hazards. You must be certain that any condition or service procedure encountered does not jeopardize your personal safety.

Safety Warning
- Always perform automotive testing in a safe environment.
- Wear safety eye protection that meets ANSI standards.
- Keep clothing, hair, hands, tools, test equipment, etc. away from all moving or hot engine parts.
- Operate the vehicle in a well-ventilated work area, for exhaust gases are poisonous.
- Put the transmission in PARK (for automatic transmission) or NEUTRAL (for manual transmission) and make sure the parking brake is engaged.
- Put blocks in front of the drive wheels and never leave the vehicle unattended while testing.
- Be extra cautious when working around the ignition coil, distributor

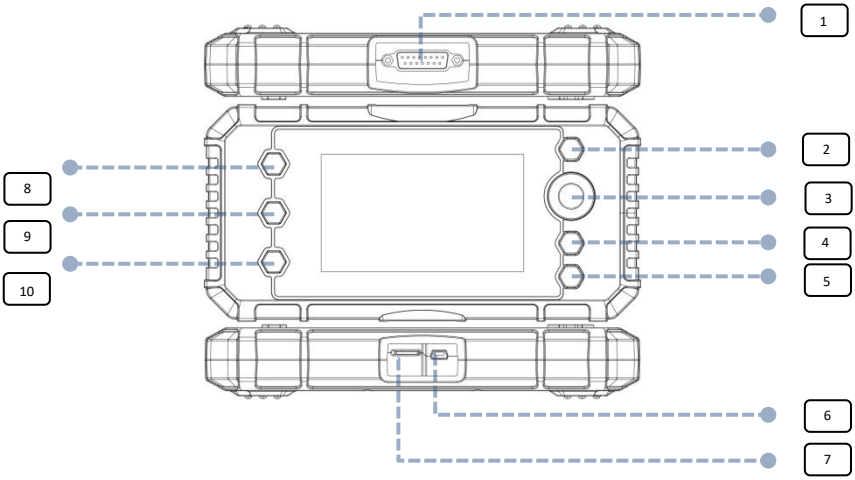
cap, ignition wires and spark plugs. These components create hazardous voltages when the engine is running.

- Keep a fire extinguisher suitable for gasoline, chemical, and electrical fires nearby.
- Do not connect or disconnect any test equipment while the ignition is on or the engine is running.
- Keep the test equipment dry, clean, free from oil, water or grease. Use a mild detergent on a clean cloth to clean the outside of the equipment as necessary.
- Do not drive the vehicle and operate the test equipment at the same time. Any distraction may cause an accident.
- Refer to the service manual for the vehicle being serviced and adhere to all diagnostic procedures and precautions. Failure to do so may result in personal injury or damage to the test equipment.
- To avoid damaging the test equipment or generating false data, make sure the vehicle battery is fully charged and the connection to the vehicle DLC is clean and secure.
- Do not place the test equipment on the distributor of the vehicle. Strong electro-magnetic interference can damage the equipment.

Chapter 1 General Introduction

The IFIX430 is the handheld diagnosis scanner combing with the best possible coverage of OE-level to help you diagnose symptoms, codes, and customer complaints easily, quickly and efficiently. This manual describes the construction and operation of the device and how it works.

1.1 Layout for IFIX430 Diagnostic Scanner



No.	Key Definition	Key Definition
1	Diagnostic Port	Provides connection between vehicle and the scanner
2	Back Key	Exits a screen and generally returns to previous screen.
3	Direction Keys	Select an option or scroll through a screen of data or text
4	OK Key	Executes a selected option and generally goes to the next screen
5	Help Key	Displays helpful information.
6	USB Port	Provides USB power connection between the scanner and PC/laptop
7	TF Card Port	Holds the TF memory card for data backup and software update
8	F1 Key	One key with WiFi Update
9	F2 Key	Setting Sound On and Off
10	F3 Key	Display About Information

1.2 Technical Specifications

1	Screen Display	Backlit, 4.3” TFT color display
2	Packing Dimension (LxWxH)	265*150*80mm
3	Gross Weight for Full Kits	0.6kg
4	OS Platform	Linux
5	Memory	16G
6	Input Voltage	DC 12V

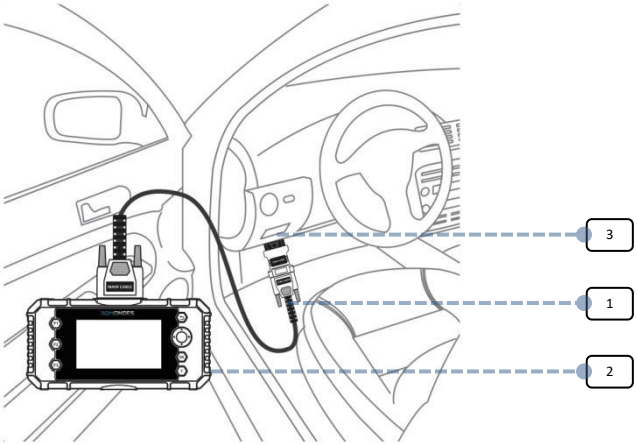
1.3 Standard Accessory Kits

1	Tool Box
2	Main Unit
3	OBD main cable
4	USB Cable
5	User Manual

Chapter 2 Get Ready before Diagnosis

2.1 Cable Connection for On-Board Diagnosis

Make sure the IFIX430 diagnostic scanner is well connected for vehicle diagnosis.



Connection:

To connect the main unit with the OBD main cable to get power supply.

No.	Description	Features and Functions
1	Main Cable	To connect the connector and the vehicle
2	Diagnostic Scanner Main Unit	To communicate with vehicle and display the diagnostic result
3	Diagnostic Socket on car	Socket location varies based on different car makes/models

The system boots up and shows the screen with the IFIX430 Diagnostic Scanner Job Menu as below:



Almost all operations on the display are controlled by menu driven, which allows you to quickly locate the test procedure, or data that you need, through a of choices and questions. Detailed descriptions of the menu structures are found in the chapters for the various applications.

2.2 Application Icon Introduction

The Application buttons configure the IFIX430 Diagnostic Scanner for the type of operation or activity to be performed.

NAME	PICTURES	DESCRIPTION
Diagnose		Executes the corresponding vehicle diagnostic program based on the selected region and vehicle make.
		European Displays the European vehicle menu. Including BMW, Alfa, Jaguar, Land Rover, Fiat, Ford, Citroen, Mercedes-Benz, VW, Audi, Volvo, Renault, etc.
		Asian Displays the Asian vehicle menu. Including Toyota, Lexus, Honda, Acura, Nissan, Infiniti, Mitsubishi, Daewoo, Mazda, Hyundai, Kia, Isuzu, Suzuki, etc.
		American Displays the USA vehicle menu including GM, Chrysler, Ford, etc
		Chinese Displays Chinese vehicle menu including Chana, Chery, Geely, GWM, MG, Roewe
OBDII		All modes of OBDII test for cars after1996 and newer
		I/M Including read/erase codes, view live data, view freeze frame data, view I/M readiness, O2 monitor test, on-board monitor test etc.
		DTC Library To provide you with the latest definition of PCBU fault codes. For example, after entering "P02AE", you will get its definition as "Cylinder 6 – Fuel Trim at Max Limit"
Update		When the device is connected to the Internet, checks for the latest version for vehicle diagnostic programs, and performs updating procedures.
		Via WiFi Update via Wi-Fi

		Via USB Update via PC client
		Feedback You can upload the vehicle diagnosis log to faster solve your problems during vehicle diagnosing.
Settings		Adjusts and views system settings, including the measurement unit for the diagnostic system, the display language for the device, log and sound settings.
		Language English, Portuguese,Hungarian, Russian, Polish, Italian, Traditional Chinese, Dutch, Simplified Chinese, Spanish, French, German, Turkish
		Unit To provide two options for the unit of live data: Metric Unit and Imperial Unit.
		Beep Sets the sound on or off.
		Log Two options for Logging On and OFF with the slide button. [Logging ON] must be set if the client wants to record the live data, otherwise the client cannot send logging files.
		Button Test To provide the key test options.
		LCD Test To provide the display test option.
		About Displays the device information including serial number, register password, firmware version and system software version.

Chapter 3 To Start a New Test

To start a new test, you need to establish the proper vehicle communication to the IFIX430 Diagnostic Scanner; you need to follow the screen instructions step by step for the car testing. The operations require connecting the IFIX430 Diagnostic Scanner main unit to the test vehicle through the main cable. (For details please refer to Chapter 2.1 Cable Connection for On-Board Diagnosis)

3.1 Vehicle Selection

When the main unit is properly connected to the vehicle, click the Diagnostics icon button on the IFIX430 Diagnostic Scanner.

The IFIX430 Diagnostic Scanner supports more than three methods for Vehicle Identification with the Automatic Selection, Manual Selection.

3.1.1 Automatic selection

The IFIX430 Diagnostic Scanner features the latest VIN-based Auto VIN Scan function to identify vehicles in just one touch, which allows the technician to quickly detect vehicles, scan all the diagnose ECUs on every vehicle and run diagnostics on the selected system.

3.1.1.1 To perform Auto VIN Scan

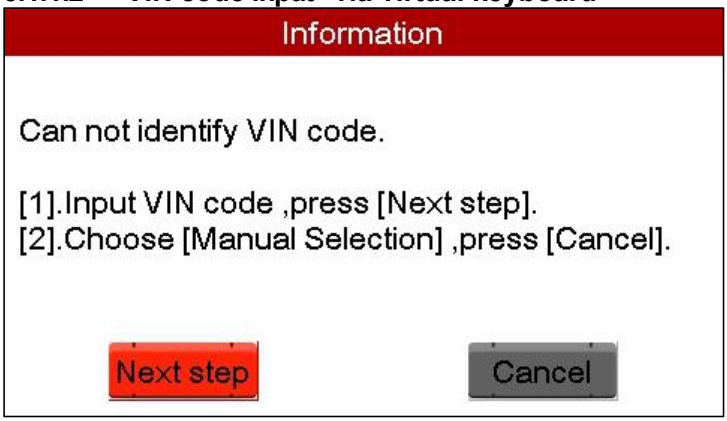
Select **[GM]** from **[AMERICAN]**. The vehicle menu displays.



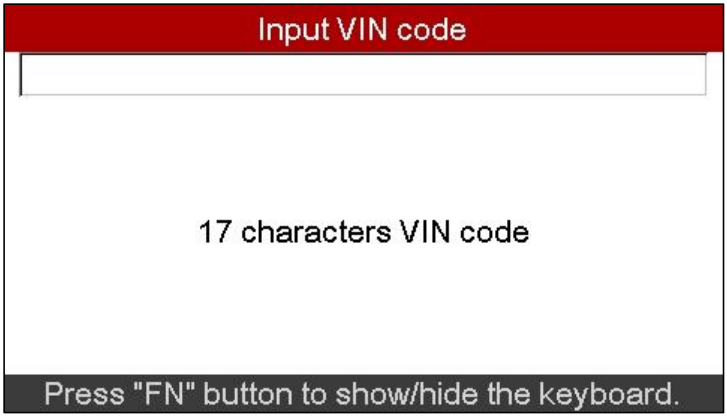
Select **[Automatic Selection]** and the system will proceed to acquire VIN information automatically.

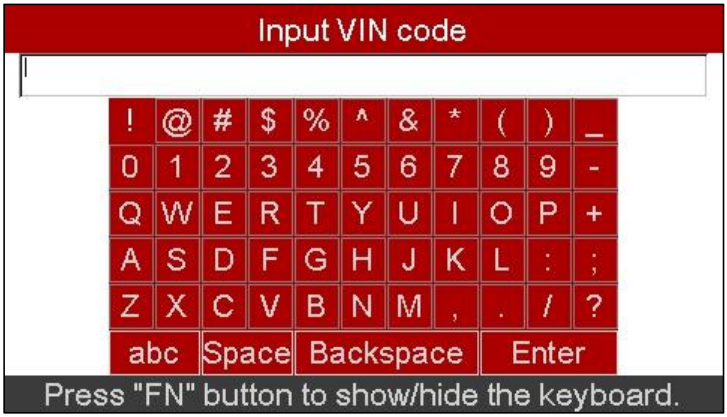


3.1.1.2 VIN code input via virtual keyboard



In case the IFIX430 diagnostic scanner provides an option for vehicle VIN scan allowing users to input the VIN manually.





Select the model of the vehicle accordingly. The BOSSCOMM IFIX430 Diagnostic Scanner display ECU information in details:

3.2 Manual Selection

The BOSSCOMM IFIX430 Diagnostic Scanner also provides manual selection (system selection) for some vehicles.

3.2.1 To perform Manual Selection

Tap the **[Manual Selection]** button on the screen as below.

Select the year to be tested accordingly. Take 2020 GM as an example: The vehicle will be identified in a few seconds, and once the matching is successful, the system will guide you the diagnostics screen directly.

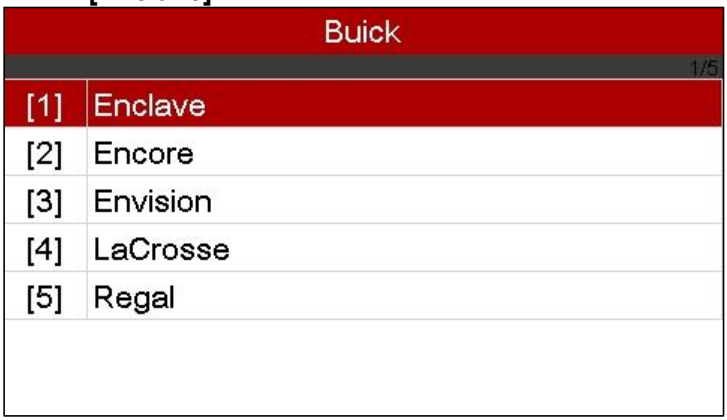




Select **[Buick]** from the list as below:



Select **[Enclave]** as below:



Select **[Engine Control Module]** from the list as below:



Chapter 4 Software Update

Providing two ways for update: USB mode and WIFI mode.

4.1 Update via WIFI



Select [UPDATE], and press the [OK].



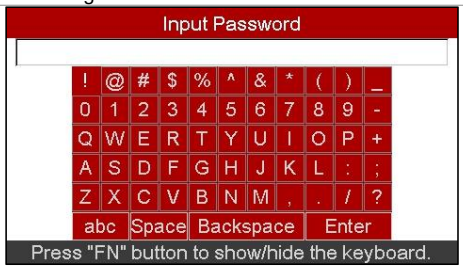
Select [Via WIFI], and press the [OK].



Searching WIFI ……



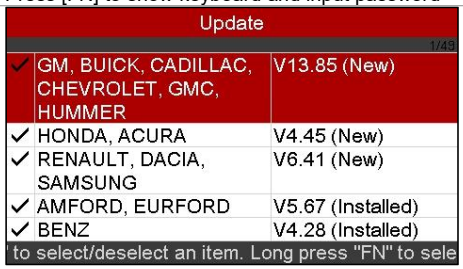
WIFI hotpot nearby. Select the correct and join.



Press [FN] to show keyboard and input password



Connecting WIFI ……



Select [GM], press [OK].



Continue the operation step by step accordingly

How to set WIFI if the mobile is iPhone 11 or higher version?

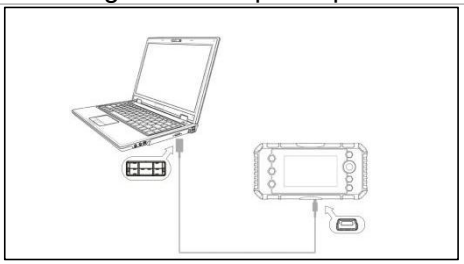
Step 1: Settings Person Hotspot
Personal Hotspot on your iPhone can provide Internet access to other devices signed into your iCloud account without requiring you to enter the password.

Step 2: Allow Others to Join
Allow other users or devices not signed into iCloud to look for your shared network when you are in Personal Hotpot settings.
Note:
The device can only display Wi-Fi name consisting of English character.

Step 3: Maximize Compatibility.
1- Choose the correct name from the Wi-Fi settings on your computer or other device.
2- Enter the password when promoted.

4.2 Update via USB

Providing the USB update procedures for software as below.



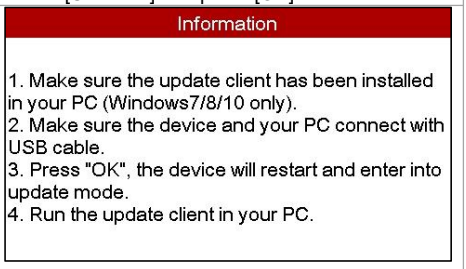
Connect the main unit to PC with the USB cable.



Select [UPDATE] and press [OK].



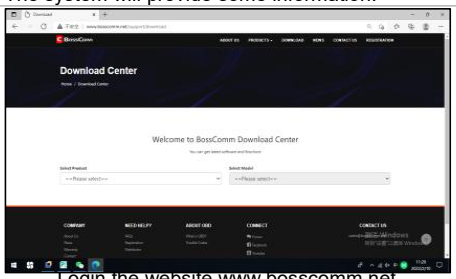
Select [Via USB], and press the [OK].



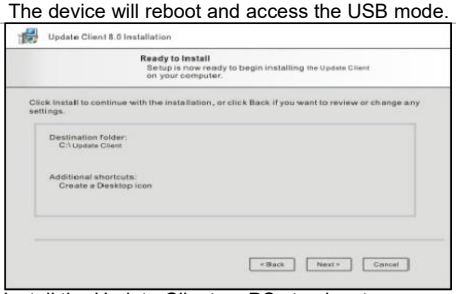
The system will provide some information.



The device will reboot and access the USB mode.



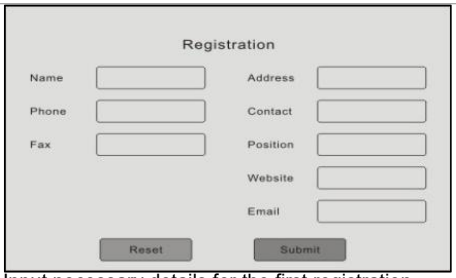
Login the website www.bosscomm.net



Install the Update Client on PC step by step.



Double click the icon of Update Client.



Input necessary details for the first registration.



Select the car makes to update the software.

Chapter 5 Troubleshooting

Why can't the PC update client automatically identify the device serial number?

Please connect the scanner to PC before running the PC update client, and put the scanner in the USB update mode, that is, the screen displays "Files transfer via USB".

Why the vehicle linking error?

Follow the steps if the scanner fails to communicate with the ECU.
1– Verify the ignition is ON.
2– Check cable or connector securely connected to the vehicle DLC.
3– Turn the ignition off and wait for about 10 seconds and turn the ignition back to ON and continue the testing.
4– Verify the control module is not defective.

Why the device doesn’t power up?

If the auto scanner won’t power up or operate correctly in any other way, follow the steps to check the connections:
1– Check the connector properly inserted to the socket seat.
2– Check the DLC pins bent or broken.
3– Clean the DLC pins if necessary.

Why the devices have no permission to update?

Please contact the local distributor to get authorization.

Why cannot find the WIFI name?

The device can only display the Wi-Fi name consisting of English character or numbers.

When the display does not work properly:
Make sure the machine has been registered online.
Make sure the system software and diagnostic application software are properly updated.
Check all cables, connections, and indicators to see if the signal is being received.

Services
This section introduces information for technical support and repair.
If you have any question or problem on the operation of the product, please contact BOSSCOMM Tech Support for help.
Website: www.bosscomm.net
Email: sales@bosscomm.net

If it becomes necessary to return your device for repair, please contact BOSSCOMM local dealer for help.

The following information must be included:

- Contact name
- Return address
- Telephone number
- Product name
- Complete description of the problem
- Proof-of-purchase for warranty repairs

Warranty
Thank you for choosing our products, we will provide you with the following services and promises.
After the warranty period expires, repairs will be charged for replacement parts.
After the failure, please contact the manufacturer, we will give you the most complete service in the shortest time.

12-Month Limited Warranty
BC BOSSCOMM INC. warrants to the original retail purchaser of this auto scanner, that should this product or any part thereof during normal consumer usage and conditions, be proven defective in material or workmanship that results in product failure within twelve (12) months period from the date of delivery, such defects will be repaired, or replaced (with new or rebuilt parts) with Proof of Purchase, at the Company's option, without charge for parts or labor directly related to the defects.

The Company shall not be liable for any incidental or consequential damages arising from the use, misuse, or mounting of the auto scanner. Some states do not allow limitation on how long an implied warranty lasts, so the above limitations may not apply to you.

The following items are not covered by the warranty:

1) Product subject to abnormal use or conditions, accident, mishandling, neglect, unauthorized alternation, misuse, improper installation or repair or improper storage;
2) Products whose mechanical serial number or electronic serial number has been removed, altered or defected;
3) Damage from expose to excessive temperatures or extreme environmental conditions;
4) Damage resulting from connection to, or use of any accessory or other product not approved or authorized by Company;
5) Defects in appearance, cosmetic, decorative or structural items such as framing and non-operative parts;
6) Product damaged from external causes such as fire, dirt, sand, battery leakage, blown fuse, theft or improper usage of any electrical source.

All contents of the product may be deleted during the process of repair. You should create a back-up copy of any contents of your product before delivering the product for warranty service.

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