X-PROG

Immobilizer Programmer

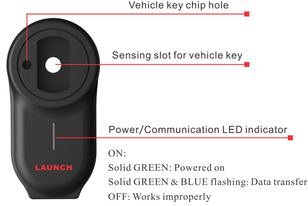
User Manual

Note: Pictures illustrated here are for reference only. LAUNCH reserves the right to modify the User manual without prior notice.

X-PROG Profile

X-PROG Immobilizer programmer is available to read and write vehicle key chip data, clone and produce exclusive keys. It only works together with LAUNCH diagnostic tool to accurately read and write the data in a quick and reliable manner.

It only applies to the vehicle with 12V battery voltage and OBD II diagnostic socket.



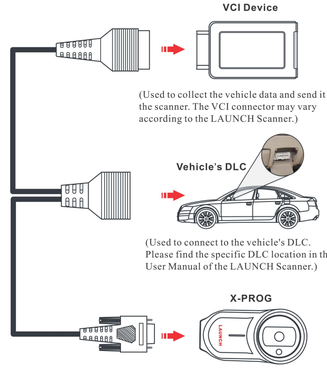
ON:
Solid GREEN: Powered on
Solid GREEN & BLUE flashing: Data transferring
OFF: Works improperly

(To connect the VCI device and vehicle's DLC)

Interface	DB15	Max. power consumption	2W
Input power	DC 12V	Working Temp.	-10℃~50℃
Working current	200mA	Storage Temp.	-20℃ ~70℃

Connections

An exclusive programming cable is included with the X-PROG. Please find the connection methods as below:



(Used to collect the vehicle data and send it to the scanner. The VCI connector may vary according to the LAUNCH Scanner.)

(Used to connect to the vehicle's DLC. Please find the specific DLC location in the User Manual of the LAUNCH Scanner.)

(Place the key chip (bare chip) or the car key in the keyhole of the anti-theft programmer according to the different application scenarios and software tips.)

Binding X-PROG

X-PROG only works with the LAUNCH Scanner with the Anti-theft matching function (e.g. X-431 PRO Series/X-431 PAD Series). Please bind X-PROG to LAUNCH Scanner before using to ensure they can work together.

Please follow the proceeding steps as below:

⚠ There are only three chances available for you to bind/unbind the X-PROG to/from the scanner. Pay extreme caution to do such operations.

1

Step 1 - Connections

Follow the method described in the **Connection** to connect the Launch Scanner, X-PROG and vehicle.

*Note: Make sure that the Launch scanner has a stable and strong Wi-Fi signal.

2

Step 2 - Open diagnostic App

Open the "Diagnostic App" and enter into Job Menu, tap **User Info/Personal Center** (varies by product model) -> **Immobilizer Programmer**.

Binding X-PROG

3

Step 3 - Download X-PROG App

Tap Bind, the system will automatically detect and download the App if it is not installed on the Scanner.

*Note: If it already exists, please ignore this step.

4

Step 4 - Start binding

Follow the on-screen instructions to bind it, and then tap **Immobilizer Programmer** to check the current status.

5

Step 5 - Firmware upgrade

After binding it, user has to make a firmware update to ensure that the X-PROG works properly.

Unbinding X-PROG

To bind the X-PROG to another LAUNCH-specific Scanner, you need to unbind it from the previously bound Scanner first. Follow the steps below to proceed.

1 Connect the X-PROG, vehicle and Scanner

2 Open Diagnostic App and find "Immobilizer Programmer

3 Tap "De-sync", and follow the on-screen prompts to unbind it

Introduction of Immobilizer programmer

1. In order to prevent the car from being used by the illegal key, the anti-theft key matching function enables the car to be opened and used only after the immobilizer system on the car recognizes and authorizes the remote control key.
2. Anti-theft key matching is required when replacing the ignition key, ignition switch, instrument panel, engine control unit (ECU), body control module (BCM) and remote control battery.

THANK YOU FOR CHOOSING LAUNCH!

If you have any questions or comments please forward them to:

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Operations

Different vehicles operate differently when performing this function. Please find the general operation process of Immobilizer Programmer on the following flowchart (for reference only).

1 Make sure all connections are working properly

2 Open "Diagnostic App" and enter into Job Menu

3 Tap "Local Diagnostics"

*If "Intelligent Diagnostics" is supported, directly use it to quickly decode the VIN and identify the vehicle.

4 Select the desired vehicle model

5 Select the diagnostic software version

*You are strongly suggested to keep the vehicle software updated with the latest version.

6 Select "Special functions" -> "Anti-theft function"

7 Follow the on-screen prompts to proceed until it is successfully finished

Operation Instructions for Anti-theft Function of VW/Audi MQB Platform

EEPROM data backup

Key learning

☑ Tools required: X-431 PAD V and X-PROG

X-431 PAD V

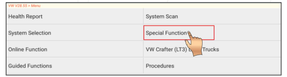
X-PROG

☑ Software version: VW/Audi V28.55 or above

How to Operate?

The anti-theft system of MQB platform supports the backup and restoration of EEPROM, key learning and other functions. The following introduces how to add keys on MQB platform (take 2016 GOLF as an example)

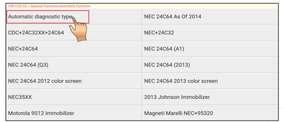
1. Enter the vehicle software and select **Special Function.**



2. Select **Anti-theft Function**, a prompt information window will pop up. Please read all information carefully and then tap “OK”.

3. Select **4thgeneration immobilizer**.
4. The software requires the programmer to generate a dealer key. Therefore, it is necessary to connect X-PROG to proceed to the next step (Refer to Chapter “1 Connections”).
5. Select **4th generation CAN instrument**.

6. Select **Automatic diagnostic type** if the type of immobilizer is unknown.



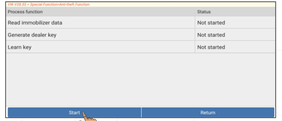
7. Select **Backup EEPROM data** to save the vehicle data. Create a file name for it.

8. Follow the on-screen instructions to insert the key or place the key near the key sensing area, and then turn on the ignition switch to illuminate the X-PROG.

9. Tap OK to start data reading and backup. It is normal that the instrument screen goes black while reading data. The instrument will illuminate properly after the completion of data reading.

*Note: If the screen does not light up due to the interruption of reading, please tap **Reset instrument** to recover it.

10. After completing data reading and backup, select **Learn key**.



11. Tap **Start**.

12. After reading the anti-theft data, the procedures of generating a dealer key will be executed automatically.

13. Place the original key into the programmer and tap **OK** as MQB platform needs to read the anti-theft data of original keys for the generation of a new key.

14. Remove the original key from the programmer, put in the blank key to be programmed and select the brand.

15. A dealer key is generated successfully and key learning steps shall be carried out automatically.

16. Double check whether it is a smart key according to the specific vehicle. Select **NO** because the tested car is a non-intelligent vehicle.

17. Turn on the ignition switch with the key, then input the number of keys that need to be learned.

18. The vehicle has recognized a key. Remove the key from ignition switch and insert another new key into ignition and turn it to “ON” position.

19. Two keys have been identified and the vehicle has saved the data of the two keys.

20. Turn off the ignition and then turn it back on. Key learning has been executed.

21. Finally, start the vehicle to test or read anti-theft status to confirm if the two keys are working properly.
22. Return to quick test and clear temporary DTC(s).

FCC Statement: This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
—Reorient or relocate the receiving antenna.
—Increase the separation between the equipment and receiver.
—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
—Consult the dealer or an experienced radio/TV technician for help.

Note: The Grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. such modifications could void the user's authority to operate the equipment.

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