

**AURO**<sup>TM</sup>

Audi A4-A001

# TUTORIAL

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For technical assistance in all other markets, please contact your local selling agent.

## Safety Information

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For your own safety and the safety of others, and to prevent damage to the device and vehicles upon which it is used, it is important that the safety instructions presented throughout the product user manual be read and understood by all persons operating or coming into contact with the device.

There are various procedures, techniques, tools, and parts for servicing vehicles, as well as in the skill of the person doing the work. Because of the vast number of test applications and variations in the products that can be tested with this equipment, we cannot possibly anticipate or provide advice or safety messages to cover every circumstance. It is the automotive technician's responsibility to be knowledgeable of the system being tested. It is crucial to use proper service methods and test procedures. It is essential to perform tests in an appropriate and acceptable manner that does not endanger your safety, the safety of others in the work area, the device being used, or the vehicle being tested.

Before using the device, always refer to and follow the safety messages and applicable test procedures provided by the manufacturer of the vehicle or equipment being tested. Use the device only as described in this manual. Read, understand, and follow all safety messages and instructions in this manual.

## Safety Messages

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Safety messages are provided to help prevent personal injury and equipment damage. All safety messages are introduced by a signal word indicating the hazard level.

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### **DANGER**

Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury to the operator or to bystanders.

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### **WARNING**

Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury to the operator or to bystanders.

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## Safety Instructions

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The safety messages herein cover situations Auro is aware of. Auro 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.

## DANGER

When an engine is operating, keep the service area WELL VENTILATED or attach a building exhaust removal system to the engine exhaust system. Engines produce carbon monoxide, an odorless, poisonous gas that causes slower reaction time and can lead to serious personal injury or loss of life.

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## SAFETY WARNINGS

- 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.

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## Introduction

This manual introduces how to conduct 2008 Audi A4 key learning with Auro OtoSys IM100 Expert Mode. User can make selections step by step to locate the IMMO part.

➤ **Procedures before getting started:**

1. Connect the IM100 tablet to the test vehicle via the included main cable.
2. Connect the IM100 tablet to the included UP200 via USB cable.
3. Make sure the user has access to WiFi service.
4. Turn the ignition on, or turn on the hazard lights.

🔗 **NOTE**

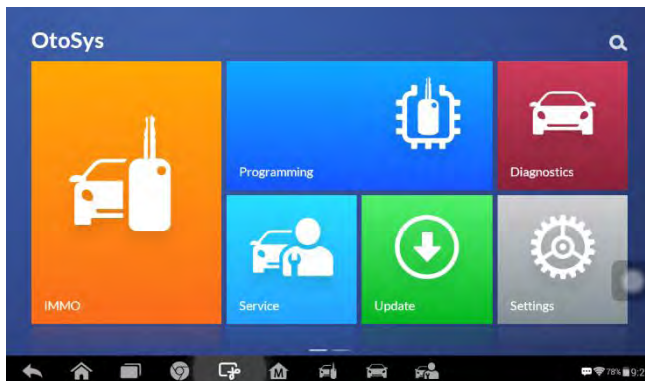
Illustrations used in this manual are samples, and the actual testing screens may vary by vehicle. Observe the menu titles and on-screen instructions to make correct selections and operations.

## Key Learning via Expert Mode

1. Turn on the IM100 tablet, tap **OtoSys > IMMO**. A vehicle menu displays and a disclaimer prompts up. Tap **Accept** to continue.



**Figure 1 Sample Main Interface Screen**



**Figure 2 Sample OtoSys Screen**

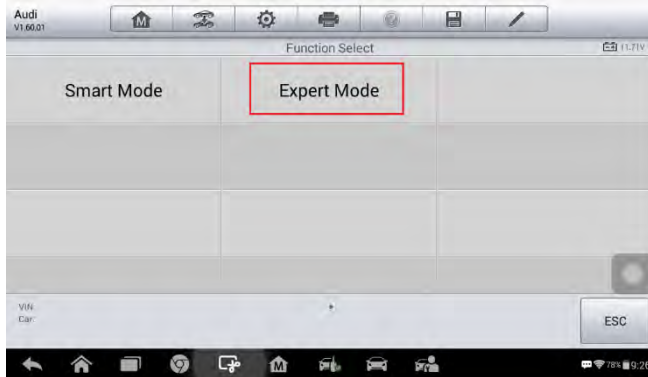
2. Tap **Audi** on the vehicle menu, then the Function Select screen displays. Select **Expert Mode**. Connect the IM100 tablet to WiFi.

**NOTE**

You can click on the pen icon near the top-right corner to record the operation data. If you encounter any difficulties, click on the pen icon again to send us the data and problems, so that our engineers could help.

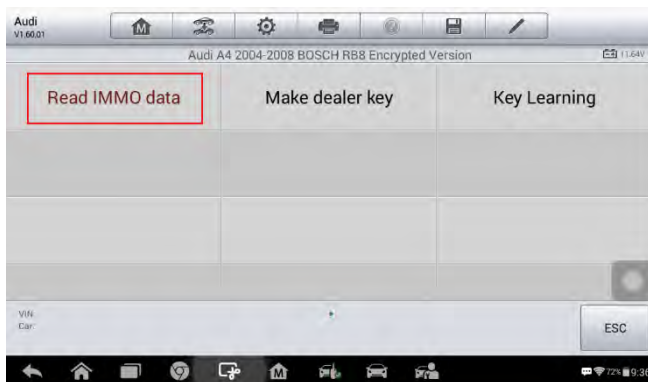


**Figure 3 Sample Vehicle Menu**



**Figure 4 Sample Function Select Screen**

3. Tap **Instrument K-Line > Audi A4 BOSCH RB8 CRYPTO 2004+**. The Function Menu displays.



**Figure 5 Sample Function Menu**

4. Tap **Read IMMO data** to read the vehicle anti-theft information. Then tap **OK** to continue.



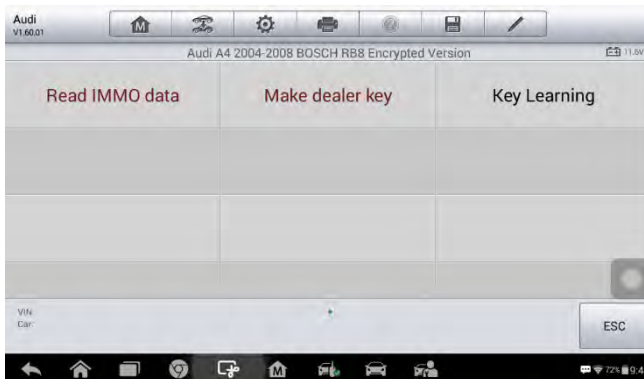


**Figure 6 Sample Vehicle Anti-theft Information Screen**

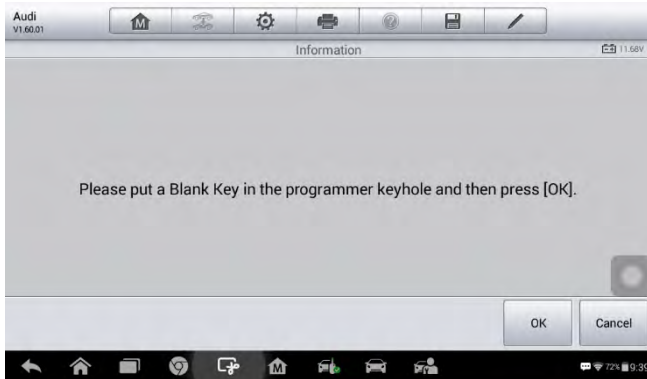
5. Tap **Make dealer key** in the function menu and follow the instructions to put the Blank Key in the key slot of the UP200. Tap **OK** to continue. The screen displays “Make dealer key success” when it is successfully completed.

**NOTE**

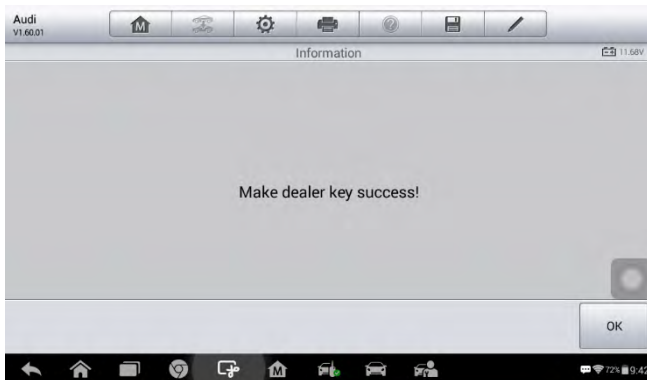
Only one dealer key can be made at one session. Please repeat the whole **Make dealer key** process if more dealer keys are needed.



**Figure 7 Sample Function Menu Screen**



**Figure 8 Sample Information Screen**



**Figure 9 Sample Information Screen**

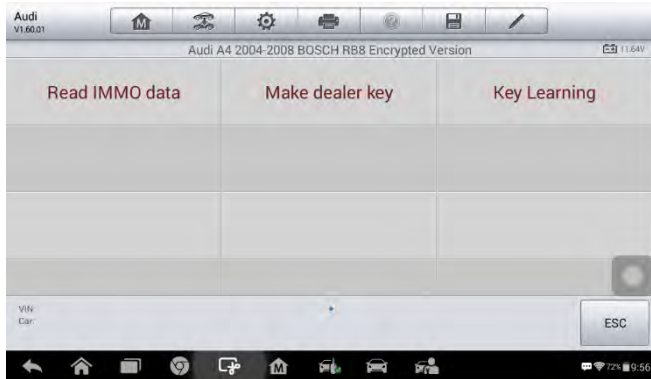
6. Tap **Key Learning** on the Function Menu. Input the number of keys that need to be learned and follow the onscreen instructions to continue.

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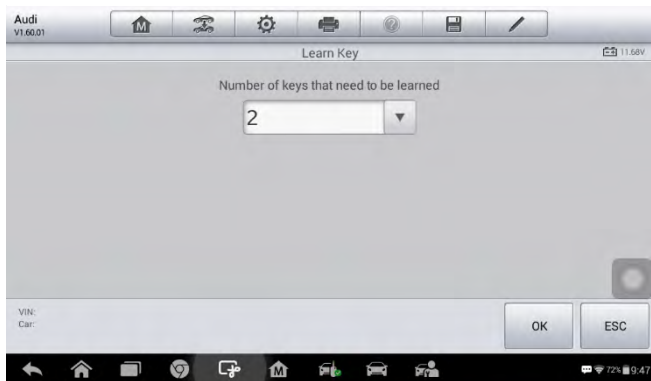
**NOTE**

The number should be the sum of existing working keys brought with you and the new keys you need. For example, you've got 1 working key, 1 blank key has been made dealer key, but both 2 keys need to be learned, select 2 here.

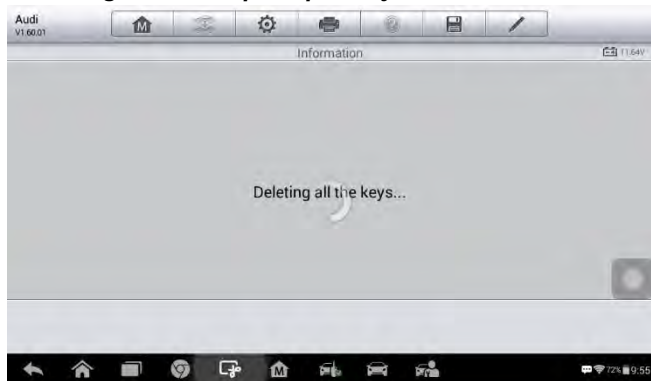
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**Figure 10 Sample Function Menu Screen**

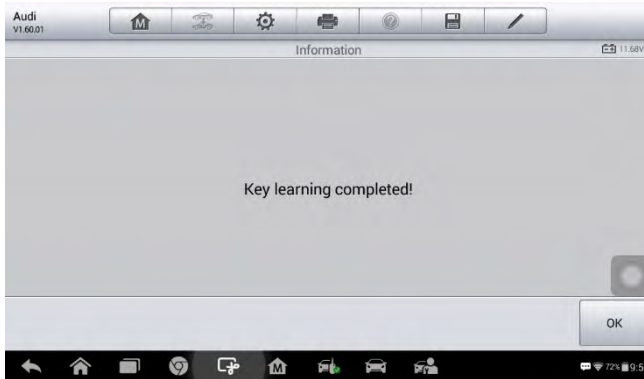


**Figure 11 Sample Input Key Number Screen**

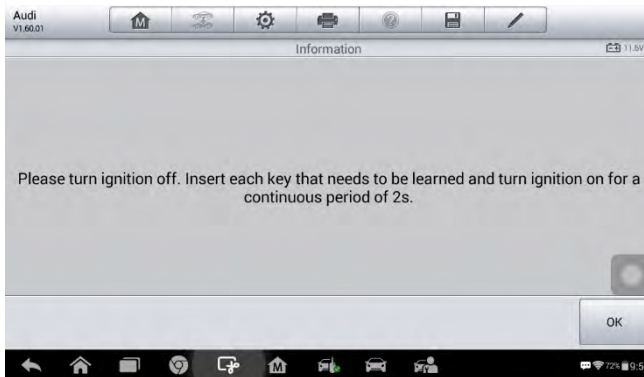


**Figure 12 Sample Information Screen**

- Turn the ignition off and insert the keys that need to be learned one by one and turn ignition back on for about 2 seconds. The screen displays “Key learning completed” in the end, tap **OK** to complete the process.



**Figure 13 Sample Information Screen**



**Figure 14 Sample Information Screen**

**NOTE**

To check key learning successful or not, please turn ignition off, then back to ON and start the engine. If the engine cannot be started, please wait for 5 min and then restart the engine. If fails, please repeat the Key learning with all the keys.