



How to Use VVDI MLB Tool and MQB48 Adapter?

Xhorse VVDI MLB Tool V2.0.0.0 added the MQB48 NEC35XX IMMO data collection function. MQB48 adapter is required to work together. Follow the steps below to update your MLB Tool firmware and enable the MQB48 adapter functionality

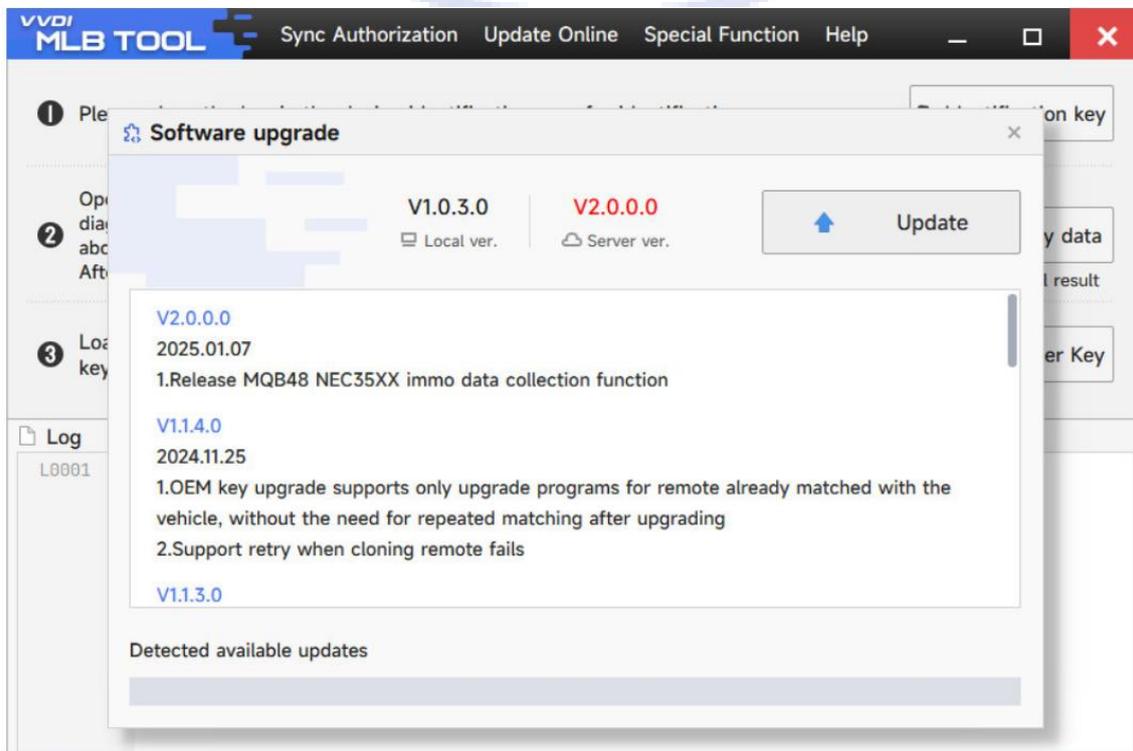
VVDI MLB Tool V2.0.0.0 Update (2025.01.07)

New Features:

Added MQB48 NEC35XX immo data collection function

Functionality:

- Similar to MLB, it allows key opening, data reading, and additional key programming.
- Supports MQB48 Megamos AES
- Reads immo data (CS code) from a working MQB key on the MQ848 platform, enabling key addition without needing to remove the cluster for bench Reading.



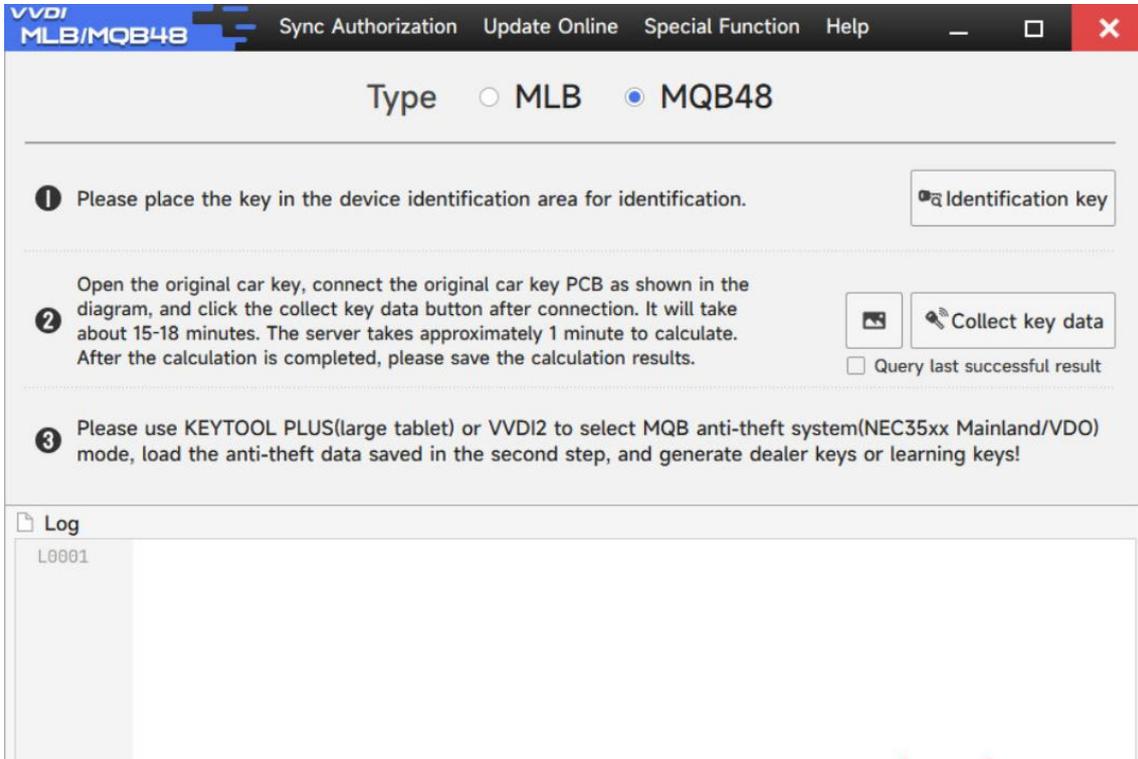


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Wiring & Connection Guide

1. VVDI MLB Tool MQB48 Wiring Diagram

Remove one capacitor (near the IC position) on the original key, as shown in the diagram. Solder the socket cables to the original key according to the specified colors in the wiring diagram.



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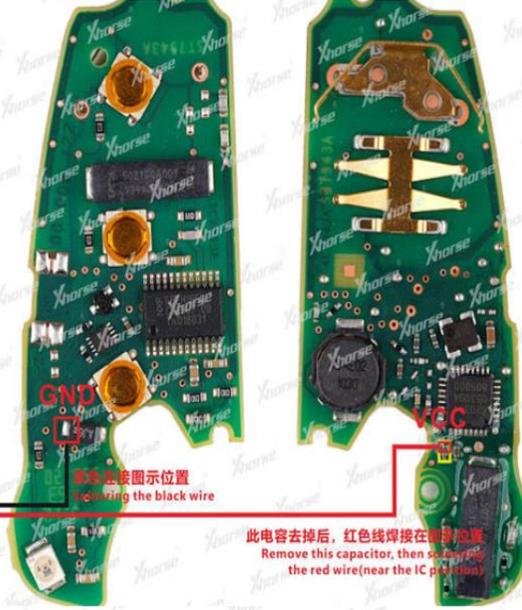
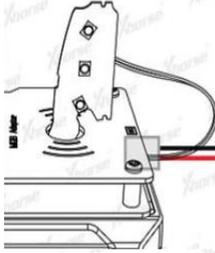
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MQB48接线图类型5 MQB48 Connection Diagram TYPE 5

1. 请将原车钥匙拆除如图标示的器件(1个电容)。
Remove one capacitor(near the IC position) of original key as diagram shown.
2. 按照连接器线束颜色焊接原钥匙。
Soldering socket cables to original key according to different color as diagram shown.

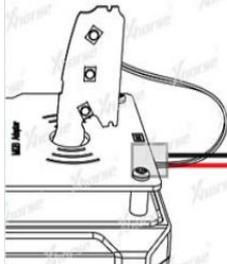


黑色连接图示位置
Soldering the black wire

此电容去掉后, 红色线焊接在图示位置
Remove this capacitor, then soldering
the red wire(near the IC position)

MQB48接线图类型6 MQB48 Connection Diagram TYPE 6

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黑色连接图示位置
Soldering the black wire

此电容去掉后, 红色线焊接在图示位置
Remove this capacitor, then soldering
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1. Connecting the MQB48 Adapter to the VVDI MLB Tool

Connection is shown in the diagram.



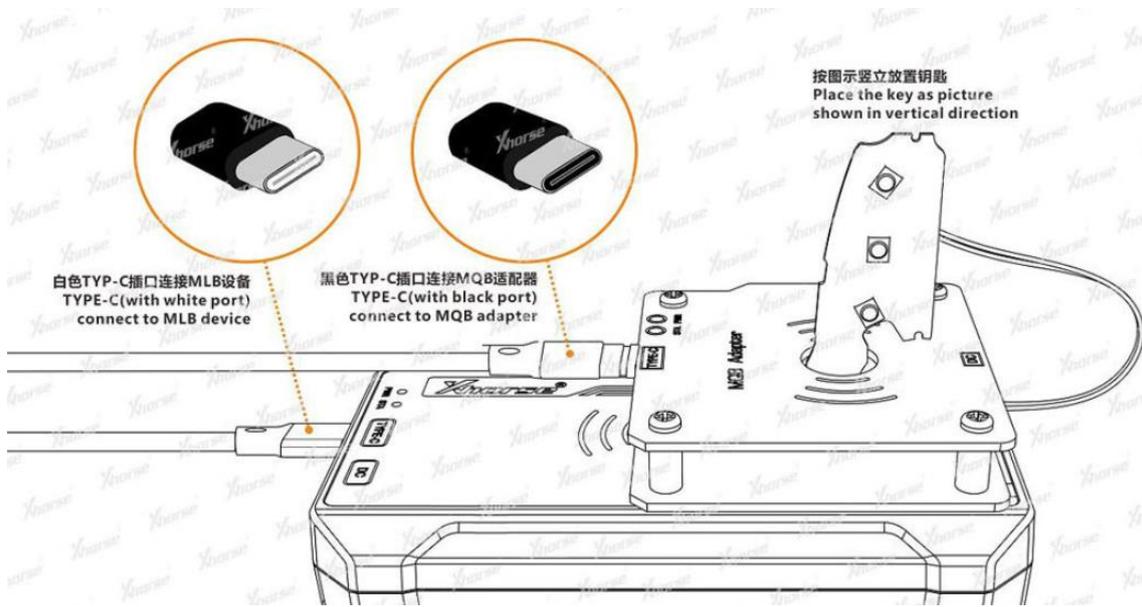


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VVDI
MLB/MQB48

Synchronous authorization Online Upgrades Special function help

type ○ MLB ■ MQB48

- Please put the key into the equipment identification area for identification. Identification key
- Disassemble the original car key, connect the original car key PCB according to the diagram, and click the key data collection button after the connection, which takes about 15-18 minutes. The server compute time is about 1 minute. Save the results when the calculation is complete. Stop collecting.
 Query Last Successful Results
- Please use KEYTOOL to steal data and generate distribution. Mode, load the second step to save the anti

prompt

✓ Server calculation successful! Please put the key into the device identification area, click OK to verify

determin

Journal

- L0012 Type: MC
- L0013 Collecting.
- L0014 This collection
- L0015 Processing in logarithmic paste
- L0016 Collection results zip: c / Users / Luo Haibo / Documents / VVDI-MLB / 1.zip
- L0017 Data uploading... upload complete
- L0018 Server Computing ...
- L0019 Server Calculation Success



3. . Upgrading VVDI MLB Tool for MQB48 Adapter Compatibility

The MQB48 adapter includes soldered wires and an enhanced replacement chip.





Disassembly & Chip Replacement:

Remove 4 screws on the back of the VVDI MLB Tool to open the shell.





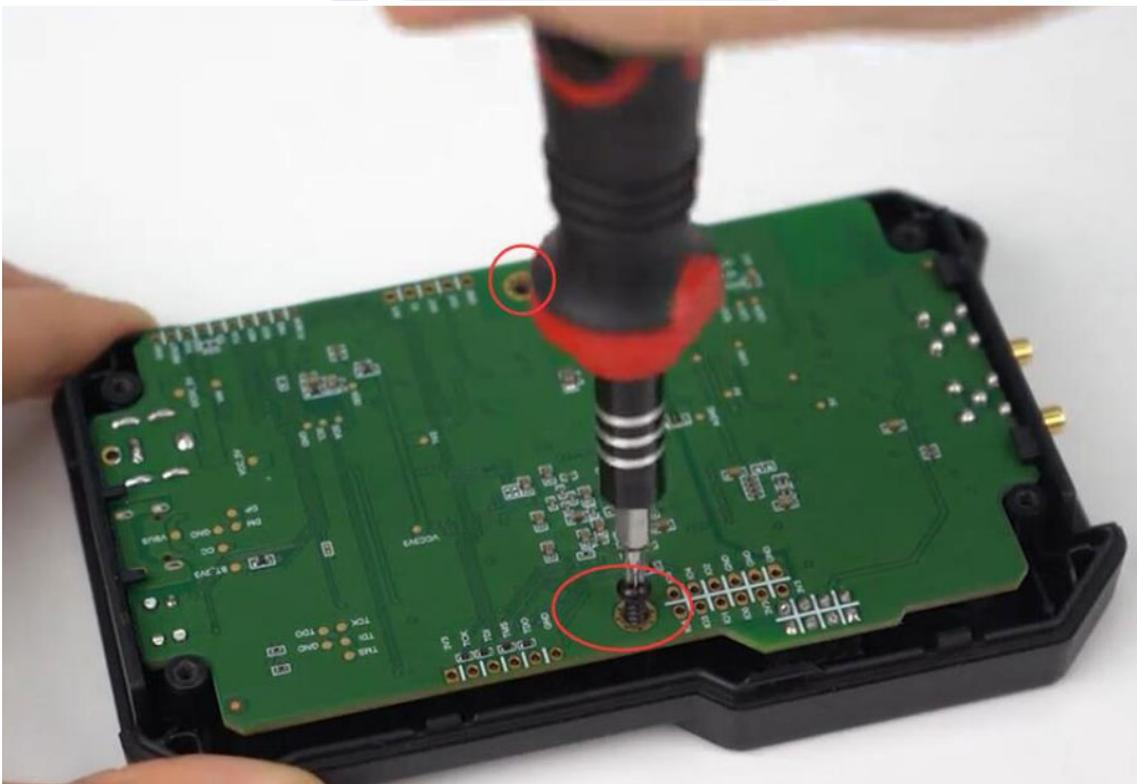
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Remove 2 screws on the mainboard and check the opposite side.

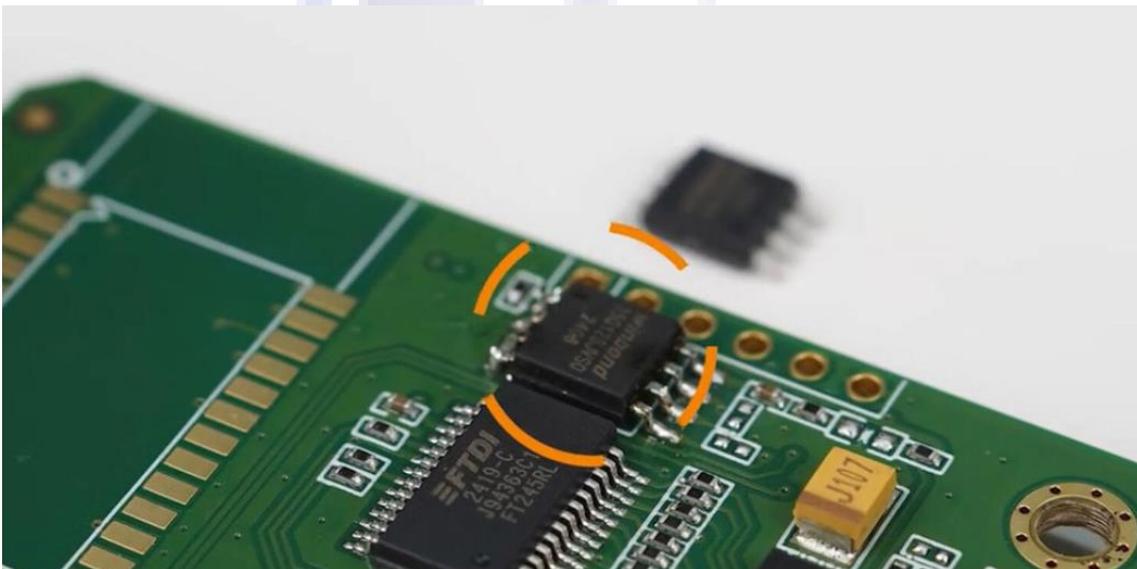




Identify the front side of the mainboard



Replace the chip using the enhanced replacement chip included in the package.

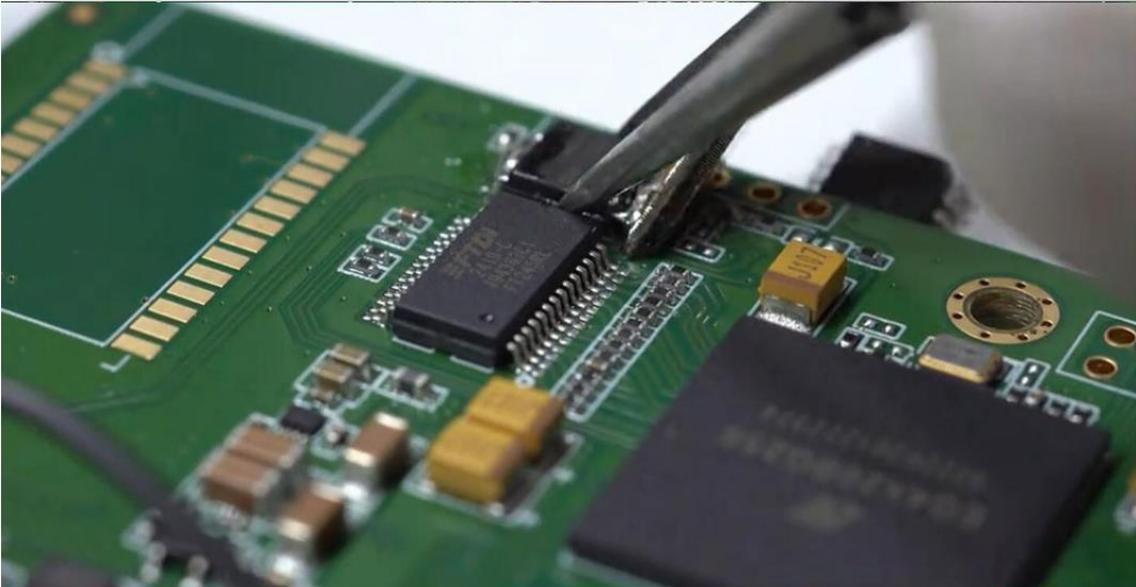
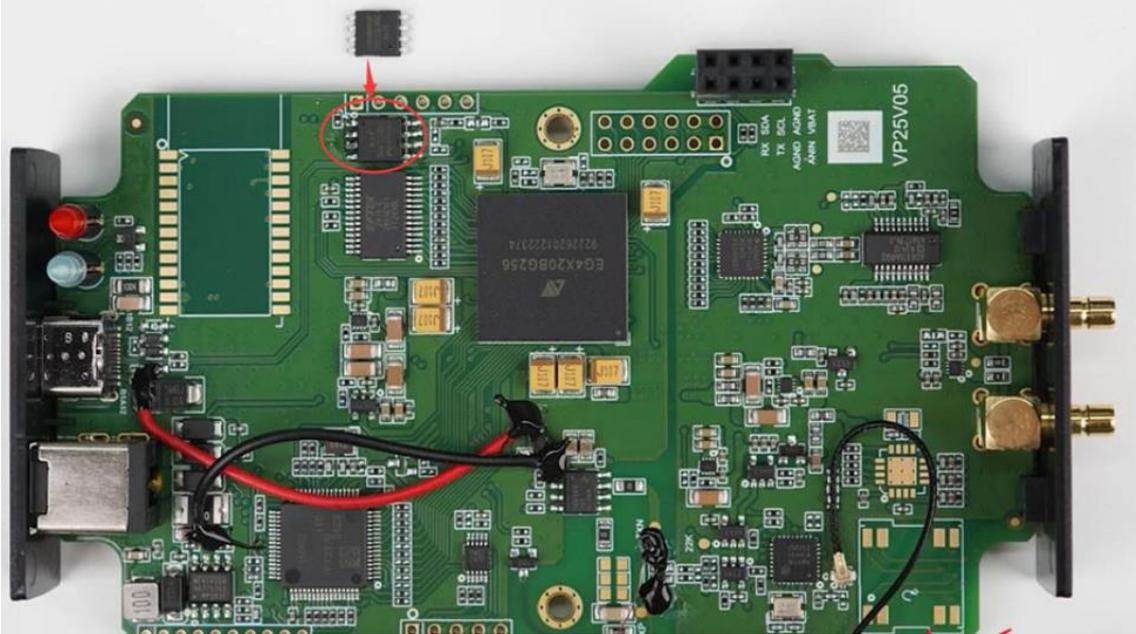




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Reinstall the VVDI MLB Tool after replacing the chip



4. Using the MQB48 Adapter for Immo Data Collection

Ensure both the Xhorse MLB Tool and the MQB48 adapter are connected to a power supply before use.

Once connected properly, you can begin collecting immobilizer data.

