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Model: KTAG V7.020 V2.25 | Brand: QKVCX

1. INTRODUCTION

The QKVCX KTAG V7.020 V2.25 Professional ECU Diagnostic Set is a sophisticated tool designed for advanced Engine Control Unit (ECU) programming and diagnostics. This device supports various communication protocols including J-Tag, Motorola BDM/Nexus, and Bootloader for Mitsubishi/Infineon Tricore/ST, enabling comprehensive vehicle management. This manual provides essential information for the proper setup, operation, and maintenance of your KTAG device.



Figure 1: QKVCX KTAG V7.020 V2.25 Professional ECU Diagnostic Set.



Compatible with applications that diagnose engines, transmissions, ABS, instrument panels and more.Reduce reprogramming times with direct USB connection, can also connect via bluetooth.

Figure 2: The KTAG V7.020 V2.25 is compatible with applications that diagnose engines, transmissions, ABS, and instrument panels.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 1 x KTAG 7.020 Main Unit
- 1 x 144300T 104 Cable
- 1 x 144300T 103 Cable
- 1 x 144300T 101 Cable
- 1 x 144300T 106 Cable
- 1 x 144300T 102 Cable
- 1 x 144300T 105 Cable
- 1 x 144300T 100 Cable
- 3 x Chips Inside
- 1 x Multi-Color Cable

- 1 x USB Cable
- 1 x Power Adapter
- 1 x CD (Software)

Package includes



1 x KTAG 7.020 Main Unit

1 x 144300T 104

1 x 144300T 103

1 x 144300T 101

1 x 144300T 106

1 x 144300T 102

1 x 144300T 105

1 x 144300T 100

3 x Chips Inside

1 x Multi-Color Cable

1 x USB Cable

1 x Power Adapter

1 x CD



Figure 3: All components included in the KTAG V7.020 V2.25 package.

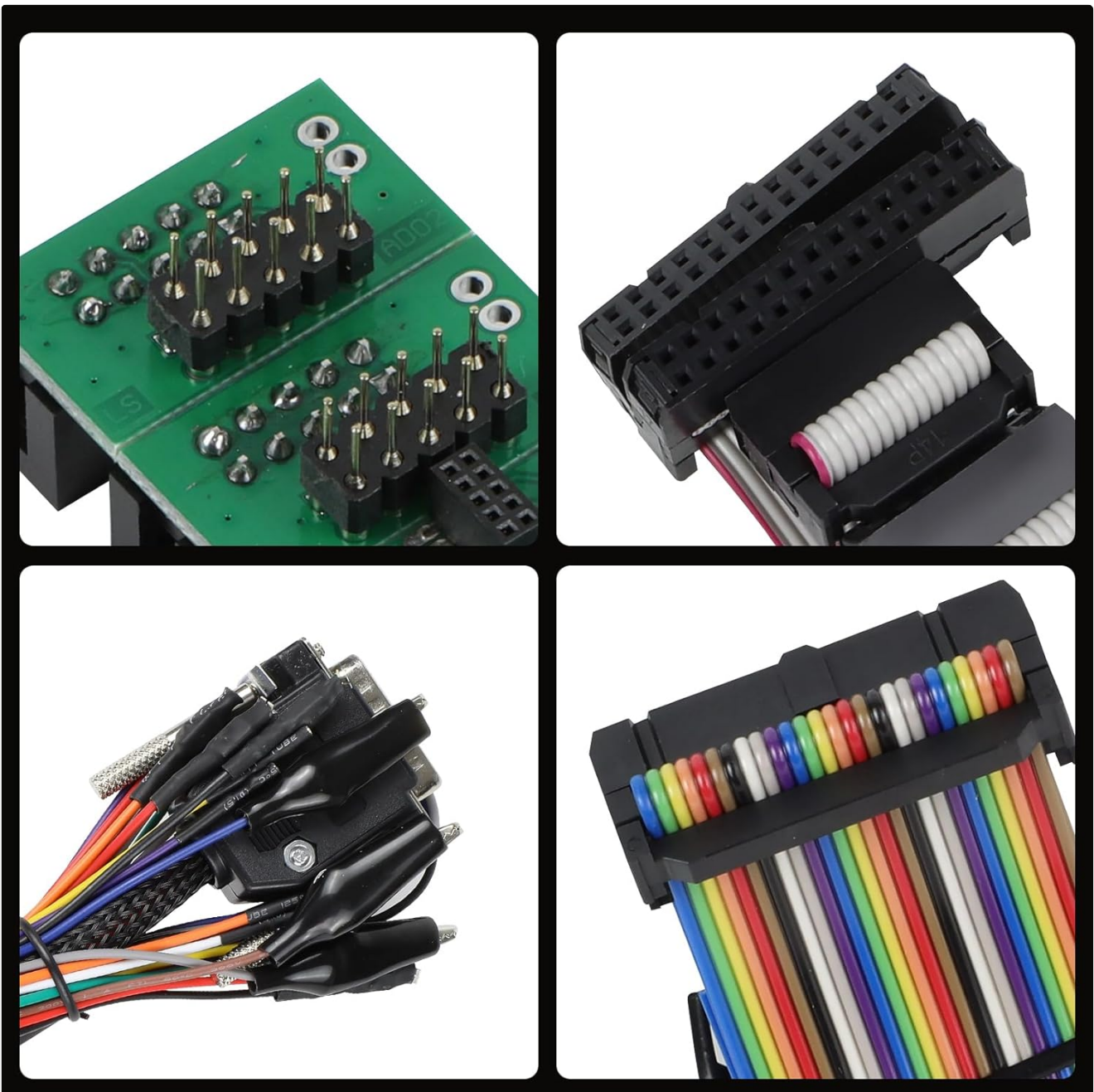


Figure 4: Detailed view of various cables and adapters.

3. SETUP

3.1 Software Installation

1. **Disable Anti-Virus:** Before installation and use, please turn off your computer's anti-virus program.
2. **Copy Software:** Copy the contents of the provided CD to the C drive of your computer.
3. **Run Software:** Open the copied files from your C drive and run the software.
4. **USB Flash Drive:** If your computer does not recognize the CD-ROM drive, a silver USB flash drive is included in the packaging box, which contains all necessary files.

Notice

- 1. Before installation and use, please turn off the computer firewall software.**
- 2. To use the process, please copy the contents of the CD to the C drive of your computer, open it and run it.**



Figure 5: Important notice for software installation.

3.2 Connecting the KTAG Unit

Connect the KTAG main unit to your computer using the provided USB cable. For vehicle connection, use the appropriate cables and adapters. The KTAG unit features BDM/JTAG and Boot Mode ports on one side, and Power, USB, and 12/24V DC ECU/ON ports on the other.



Figure 6: KTAG unit connection diagram.

4. OPERATING INSTRUCTIONS

4.1 General Operation

The KTAG V7.020 V2.25 is designed for direct ECU programming, primarily through J-Tag, Motorola BDM/Nexus, and Bootloader protocols. It is important to note that KTAG does **NOT** support OBD (On-Board Diagnostics) communication. For OBD communication, a separate tool like KESS v2 is typically used.

To use the KTAG effectively, ensure the RLink Lite driver mode of the RLink Platform is enabled. Then, open the corresponding OEM diagnostic software for vehicle diagnostics.

4.2 Using Special Adapters

For optimal use on various Electronic Control Units, a wide range of special adapters are available. These adapters are designed to be soldered onto the ECU or used with a positioning frame, facilitating precise connections for programming.

Your browser does not support the video tag.

Video 1: Demonstration of a BDM Frame with Probe Pins, useful for connecting to ECUs for programming with tools like KTAG.

5. MAINTENANCE

5.1 Software Updates

Software updates are provided via CD. Always ensure your anti-virus program is closed when running software updates to prevent interference. **IMPORTANT: Do NOT update the KTAG unit online, as this will damage the device and render it unusable.**

5.2 General Care

Keep the KTAG unit and its accessories clean and free from dust and moisture. Store the device in its protective packaging when not in use to prevent damage.

6. TROUBLESHOOTING

- **Software Installation Issues:** If your computer does not recognize the CD-ROM driver, use the silver USB flash drive included in the packaging box, which contains all the necessary installation files.
- **Device Malfunction after Online Update:** The KTAG unit is **NOT** designed for online updates. Attempting to update the device online will cause permanent damage and make it unusable. Always use the provided CD for updates.
- **Connectivity Problems:** Ensure all cables are securely connected to the KTAG unit, your computer, and the vehicle's ECU. Verify that the RLink Lite driver mode is enabled in your OEM diagnostic software.

7. SPECIFICATIONS

Feature	Detail
Hardware Version	V7.020
Software Version	V2.25
PC Support	Windows XP Professional/Win7/Win8
Supported Languages	Italian, Deutsch, English, French, Portuguese, Spanish
Update Method	By CD (Offline)
Item Weight	2.03 pounds
Package Dimensions	9.21 x 7.6 x 2.87 inches
Model Number	KTAG-V2.25

8. SUPPORT

For further assistance or inquiries regarding your QKVCX KTAG V7.020 V2.25 Professional ECU Diagnostic Set, please refer to the contact information provided with your purchase documentation or visit the official QKVCX support channels.

