Autek IKEY820 Pro

Autek IKEY820 Pro OBD2 Remote Programming Tool User Manual

Model: IKEY820 Pro

1. INTRODUCTION

This manual provides comprehensive instructions for the operation and maintenance of the Autek IKEY820 Pro OBD2 Remote Programming Tool. The IKEY820 Pro is a professional device designed for automotive key programming, remote control matching, and diagnostic functions. Please read this manual thoroughly before using the device to ensure proper and safe operation.

2. PRODUCT OVERVIEW

2.1 Package Contents

The Autek IKEY820 Pro package typically includes the following components:

- Autek IKEY820 Pro Main Unit
- Main Cable (OBD2 connector)
- USB Cable
- Power Adapter (if applicable)
- Various Adapters (e.g., for specific vehicle models)
- Protective Carrying Case

Figure 2.1: Autek IKEY820 Pro main unit, main cable, USB cable, and various adapters, all contained within a protective carrying case.

2.2 Device Layout

Familiarize yourself with the physical components and controls of the IKEY820 Pro device:

Figure 2.2: Detailed view of the IKEY820 Pro device highlighting key buttons and ports. These include the Fn Key, Main Cable Port, ESC Key, USB Port, Power Port, OK Key, and directional navigation keys.

- **Fn Key:** Function key for special operations.
- **ESC Key:** Escape key to return to the previous menu or cancel an operation.
- **OK Key:** Confirmation key to select options or proceed.
- **Up/Down/Left/Right Keys:** Navigation keys for menu selection.
- **Main Cable Port:** Connects the device to the vehicle's OBD2 port via the main cable.
- **USB Port:** For connecting to a computer for updates or data transfer.
- **Power Port:** For external power supply if needed.

3. FEATURES AND CAPABILITIES

The Autek IKEY820 Pro offers a wide range of functions for automotive key programming and diagnostics:

Figure 3.1: Overview of the Autek IKEY820 Pro's key features, such as key programming, reading and clearing fault codes, and clearing key memory, as displayed on the device screen.

- **Key Programming:**

  - Program Proximity & Non-proximity Keys
  - Program Smart Keys
  - Program Aftermarket & OEM Keys
  - Program Aftermarket & OEM Remote Key Fobs
  - Program Flip Keys
  - Add Keys Programming
  - All Keys Lost Programming
  - Erase Keys

- **Immobilizer Functions:**

  - Read Immobilizer Pin-Codes From ENGINE ECU or Body Control Module
  - Read Pre-Coded Data From Engine ECU or Body Control Module
  - Immo Reset (e.g., G and H chip Immo Reset for Toyota & Ford)

- **Diagnostic Functions:**

  - Read & Clear Fault Codes
  - Clear Key Memory

- **Roadside Key Remote Programming:** Provides support for roadside key programming for drivers.
- **Extensive Vehicle Coverage:** Supports various vehicle models up to year 2017 (and later for specific functions/licenses).

Figure 3.2: Examples of specific licenses for key programming, including Toyota & Ford (2018+ for Add Keys, All Keys Lost, G and H chip Immo Reset) and GM 2017+ / Grand Cherokee 2015-2017 / Dodge Durango 2015-2017.

4. VEHICLE COVERAGE

The IKEY820 Pro supports a broad range of vehicles across different regions. Specific coverage may vary based on software versions and purchased licenses.

Figure 4.1: Regional vehicle coverage for the IKEY820 Pro, including brands from Europe, Asia, and America.

4.1 European Vehicles

- Alfa-Romeo, Audi, Bentley, Citroen, Fiat, Jaguar, Land Rover, Maserati, MG, DS, Peugeot, Porsche, Renault, Ford, Opel, Volkswagen, Scion, Smart.

4.2 Asian Vehicles

- Acura, Honda, Hyundai, Kia, Infiniti, Isuzu, Lexus, Mazda, Mitsubishi, Mitsuoka, Nissan, Subaru, Suzuki, Toyota.

4.3 American Vehicles

- Buick, Cadillac, Chevrolet, Chrysler, Jeep, Ford, GMC, Hummer, Lincoln, Mercury, Pontiac, Dodge.

5. SETUP

Before using the Autek IKEY820 Pro, ensure the device is properly set up and updated.

5.1 Initial Power-Up

1. Connect the main cable to the Main Cable Port on the IKEY820 Pro.

2. Connect the other end of the main cable (OBD2 connector) to the vehicle's OBD2 diagnostic port.

3. The device should power on automatically. If not, ensure the vehicle's ignition is on (but engine off) or connect an external power supply to the Power Port.

5.2 Software Updates

Regular software updates are crucial for maintaining optimal performance and expanding vehicle coverage. Connect the IKEY820 Pro to a computer via the USB cable and follow the instructions provided by Autek's official update software.

6. OPERATING INSTRUCTIONS

This section outlines general operating procedures. Specific steps for key programming will vary by vehicle make and model.

Figure 6.1: Main menu of the IKEY820 Pro, displaying options for Key Program, Settings, Activate, and About.

6.1 Navigating the Menu

- Use the **Up/Down/Left/Right Keys** to highlight desired options on the screen.
- Press the **OK Key** to select a highlighted option or confirm an action.
- Press the **ESC Key** to go back to the previous screen or cancel an operation.
- The **Fn Key** may provide additional context-sensitive functions.

6.2 Key Programming Procedure (General Steps)

1. From the main menu, select **"KEY PROGRAM"**.
2. Choose the vehicle's make, model, and year from the displayed list.
3. Select the desired function (e.g., "Add Key", "All Keys Lost", "Erase Keys").
4. Follow the on-screen prompts carefully. These prompts will guide you through steps such as inserting keys, turning the ignition on/off, or entering security codes.
5. Confirm successful programming upon completion.

6.3 Settings Menu

The "SETTINGS" menu allows you to configure device parameters. Options may include:

- **Key Board Test:** To verify button functionality.
- **Reset PIN Test:** For testing PIN code related functions.
- **Brightness:** Adjust screen brightness.
- **Hardware Test:** To diagnose internal hardware components.
- **Update HW:** For hardware-related updates.

7. MAINTENANCE

Proper maintenance ensures the longevity and reliability of your IKEY820 Pro.

- **Cleaning:** Use a soft, dry cloth to clean the device. Avoid abrasive cleaners or solvents.
- **Storage:** Store the device in its protective case in a cool, dry place when not in use.
- **Software Updates:** Regularly check for and install software updates to ensure compatibility with new vehicle models and features.
- **Cable Care:** Inspect cables for damage before each use. Do not bend or crimp cables excessively.

8. TROUBLESHOOTING

If you encounter issues with your IKEY820 Pro, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Device does not power on.	No power from OBD2 port; faulty cable; low vehicle battery.	Ensure vehicle ignition is on. Check OBD2 connection. Try external power supply. Verify vehicle battery health.
Communication error with vehicle.	Incorrect vehicle selection; loose cable connection; incompatible vehicle.	Verify vehicle make, model, and year. Reconnect main cable securely. Ensure vehicle is supported by the device.
Key programming fails.	Incorrect procedure; wrong key type; security system active.	Carefully follow on-screen instructions. Ensure the key is compatible. Check for any active vehicle security features.
Screen is unresponsive or frozen.	Software glitch.	Perform a soft reset by disconnecting power and reconnecting. If issue persists, check for software updates.

If the problem persists after attempting these solutions, please contact Autek customer support for further assistance.

9. SPECIFICATIONS

| Feature	Detail
Brand	Autek
Model	IKEY820 Pro
Operating System	Android 4.0
Product Dimensions	7.87 x 0.98 x 5.91 inches
Manufacturer	AUTEKTOOLS
UPC	724725216408
Date First Available	November 2, 2018
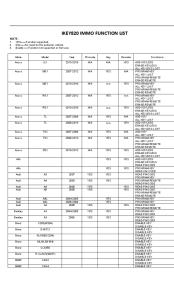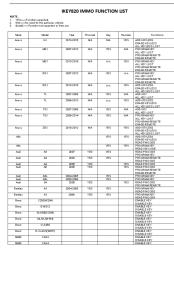
10. WARRANTY AND SUPPORT
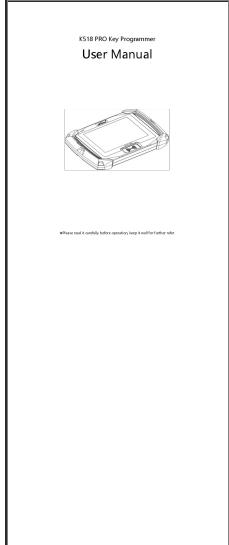
For warranty information, technical support, or service inquiries, please refer to the official Autek website or contact your authorized dealer. Keep your purchase receipt as proof of purchase for warranty claims.

Manufacturer: AUTEKTOOLS

Brand: Autek

Related Documents - IKEY820 Pro

[Autek IKEY820 IMMO Function List for Vehicle Key Programming](#)
A comprehensive list of IMMO (Immobilizer) functions supported by the Autek IKEY820 key programmer for various car makes and models, including functions like adding/erasing keys, programming remotes, and reading PIN codes.

[Xhorse KEY TOOL MAX PRO User Manual: Features, Functions, and Specifications](#)
Comprehensive user manual for the Xhorse KEY TOOL MAX PRO, a professional smart diagnostic tool. Learn about its features, main functions, performance parameters, appearance, setup, maintenance, and warranty.

[Autek IKEY820 IMMO Function List for Automotive Key Programming](#)
A comprehensive list of IMMO (Immobilizer) functions supported by the Autek IKEY820 automotive key programmer, detailing compatibility across various car makes, models, and years. Includes functions like adding/erasing keys, programming remotes, and reading PIN codes.

Autel MaxiIM IM608 II / IM608 Pro II User Manual: Advanced Diagnostics & Key Programming

Comprehensive user manual for the Autel MaxiIM IM608 II and IM608 Pro II, detailing advanced automotive diagnostics, key programming, IMMO functions, ECU programming, and extensive service capabilities. Includes setup, operation, technical specifications, and support information for professional technicians.

K518 PRO Key Programmer
User Manual

Please read it carefully before operation, keep it well for further refer.

Lonsdor K518 PRO Key Programmer User Manual

Comprehensive user manual for the Lonsdor K518 PRO Versatile Key Programmer, detailing its features, specifications, operation, and aftersales service. Includes registration guide, product overview, function display, and safety instructions.

Xhorse Key Tool Max Pro User Manual

User manual for the Xhorse Key Tool Max Pro, detailing its overview, main functions, performance, appearance, packing list, settings, maintenance, and warranty information.