Xhorse Key Tool Max Pro

Xhorse Key Tool Max Pro User Manual

Model: Key Tool Max Pro

1. INTRODUCTION

The Xhorse Key Tool Max Pro is an advanced professional device designed for locksmiths and automotive technicians. It integrates key programming, transponder identification, remote generation, and diagnostic functions into a single, portable unit. This manual provides comprehensive instructions for its setup, operation, maintenance, and troubleshooting.

Figure 1: Xhorse Key Tool Max Pro with accessories including the device, carrying case, OBD cable, and various super chips.

2. MAIN FUNCTIONS

The Key Tool Max Pro offers a wide array of functionalities to assist in automotive key and immobilizer services:

- **Transponder Identification and Cloning:** Supports identification of most immobilizer transponders and online calculation for ID46, ID48 (96bits), and Toyota 8A/8H transponders.
- **IMMO Programming:** Comprehensive immobilizer programming for thousands of car models, including support for CAN_FD models like Cadillac CT4/CT5, Buick GL8, and Encore.
- **Remote Generation:** Capable of generating remotes for over 6000 vehicle models from 200 car brands and over 100 garage remote models. Supports HCS/Fixed code cloning, non-HCS rolling code cloning, and various fixed code editing.
- **Advanced Hardware Design:** Features a built-in OBD module for direct vehicle connection, enabling easy IMMO programming. Includes current and voltage detection for battery leakage and voltage checks.
- **Super Chip Compatibility:** Works seamlessly with Xhorse Super Chips for transponder cloning and remote generation, offering a versatile solution for various chip types (ID46/40/43/4D/4E/8C/8A/T3/47/7935/7930/7937 etc.).

- **Remote Renewal:** Allows renewal of chips for reuse with compatible Xhorse devices like Mini Key Tool or Key Tool Max.

Figure 2: Overview of the main functions supported by the Xhorse Key Tool Max Pro.

3. SETUP

Before using your Xhorse Key Tool Max Pro, ensure it is properly set up and charged.

3.1 Initial Charging

Connect the device to a power source using the provided USB cable. The device will indicate charging status on its screen. Ensure a full charge before first use for optimal battery life.

3.2 Device Activation and Updates

Upon first power-on, follow the on-screen prompts to activate the device. It is highly recommended to connect the device to Wi-Fi and perform all available system and database updates to ensure access to the latest vehicle models and

functions.

3.3 Connecting to Vehicle (for IMMO Programming)

For functions requiring vehicle communication, connect the provided OBD cable to the Key Tool Max Pro and then to the vehicle's OBD-II port. Ensure the vehicle's ignition is in the ON position (or as required by the specific procedure) but the engine is off.

Figure 3: Demonstrations of using Super Chip, Super Remote, and OBD connection for IMMO Programming.

4. OPERATING INSTRUCTIONS

4.1 Transponder Identification and Cloning

The device can identify various transponder types and perform cloning operations.

1. Navigate to the "Transponder Clone" function on the main menu.
2. Place the transponder or key to be identified into the device's transponder coil area.

3. The device will display the transponder type and data.

4. For cloning, follow the on-screen instructions, which may involve placing an Xhorse Super Chip into the coil for writing.

SUPPORT TYPES

Chip:

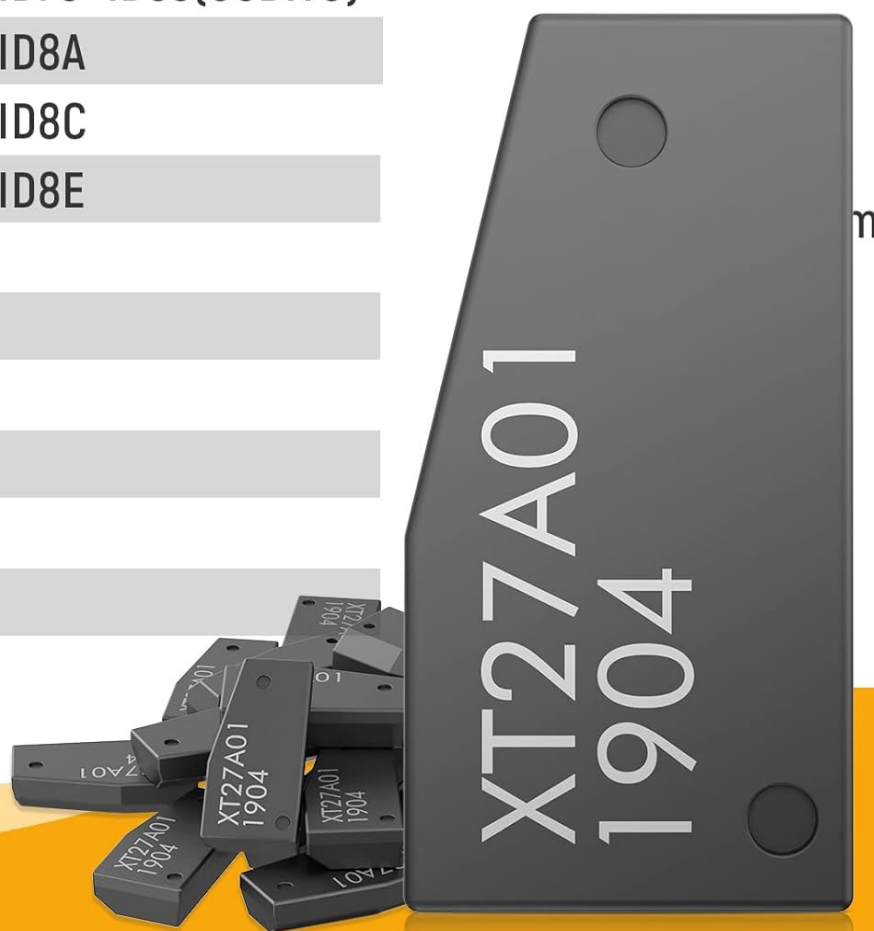|	
ID11	ID64
ID12	ID70~ID83(80BITS)
ID13	ID8A
ID33~ID44	ID8C
ID46(PCF7936)	ID8E
ID46(PCF7937)	
ID47	
ID48	
ID49	
ID4C	
ID60~ID70(40BITS)	

Figure 4: Supported chip types for transponder identification and cloning.

4.2 IMMO Programming

This function allows for adding new keys or programming immobilizer systems for various vehicles.

1. Connect the Key Tool Max Pro to the vehicle's OBD-II port.

2. Select "IMMO Programming" from the main menu.

3. Choose the vehicle make, model, and year from the extensive database.

4. Follow the specific on-screen instructions for the selected vehicle, which may include reading immobilizer data, adding keys, or performing all keys lost procedures.

5. Ensure stable power supply to both the device and the vehicle during the entire process to prevent interruptions.

4.3 Remote Generation

Generate new remotes for vehicles and garage doors.

1. Select "Remote Generate" from the main menu.
2. Choose the desired vehicle brand or garage door type.
3. Select the specific remote type or model.
4. Place a compatible Xhorse remote into the device's remote generation area.
5. Initiate the generation process. The device will write the necessary data to the remote.
6. After generation, the remote may need to be programmed to the vehicle using the IMMO Programming function or a separate vehicle-specific procedure.

Figure 5: The Key Tool Max Pro supports generating remotes for a vast range of vehicles and garage doors.

4.4 Chip Cloning Process (Detailed Example)

This section details the typical steps for cloning a transponder chip using the Key Tool Max Pro and a VVDI Mini Key Tool (if used as an auxiliary device).

1. **Enter the "Chip Copy" Function Menu:** On the Key Tool Max Pro, navigate to and select the "Transponder Clone" or "Chip Copy" function.

2. **Read Original Key Data:** Put the original key into the coil of the VVDI Mini Key Tool (or the Key Tool Max Pro's transponder coil area) and read the data of the original key. The device will display the transponder type and data.

3. **Calculate and Prepare for Cloning:** The device will perform necessary calculations. Once complete, remove the original key. Put the Xhorse Super Chip into the induction coil of the device. Click the "Clone" function, then click "Start" to begin the cloning process.

4. **Cloning Complete:** The device will indicate when the cloning process is finished. The Super Chip now contains the cloned transponder data.
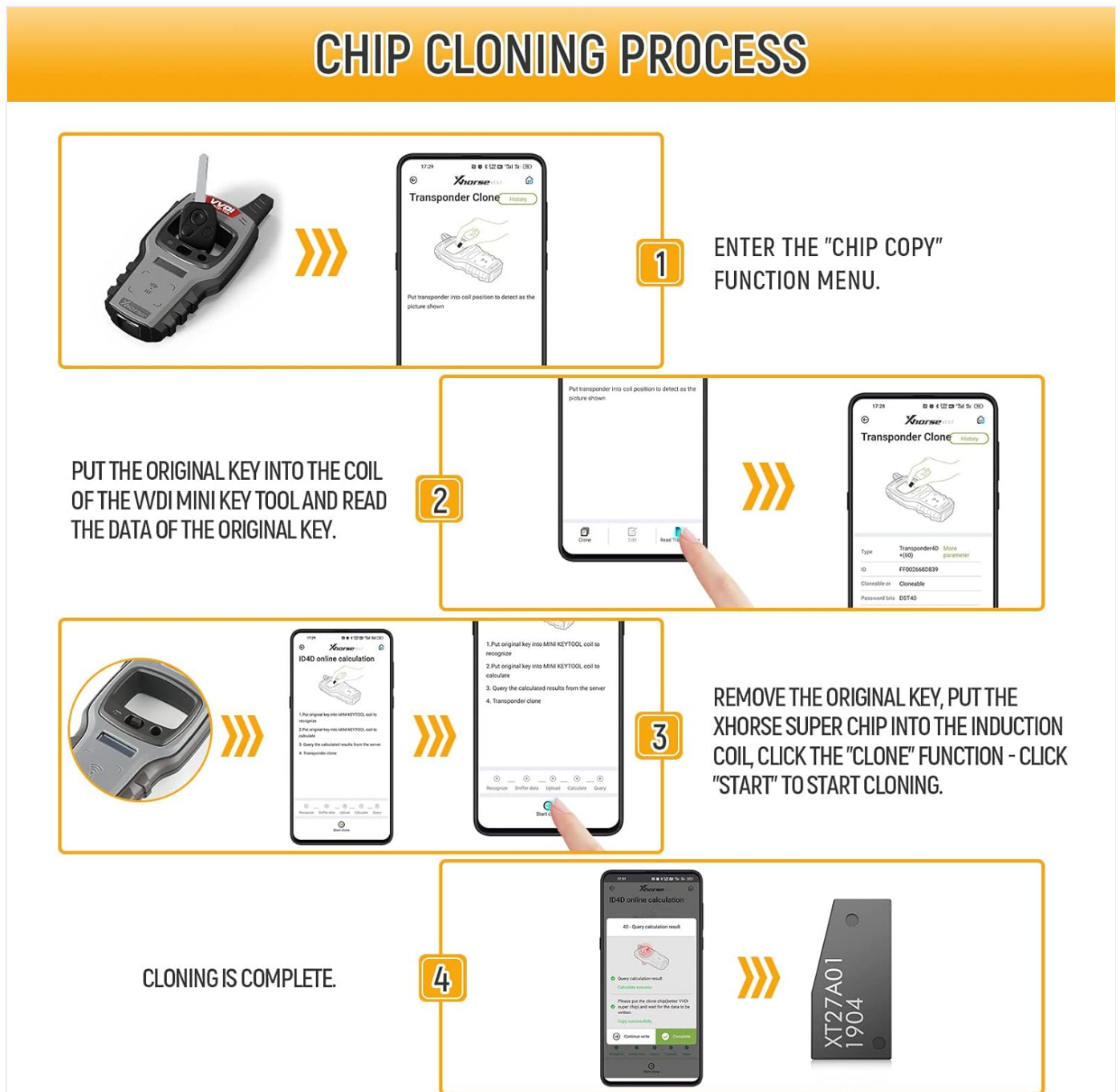

Figure 6: Detailed steps for the chip cloning process.

Figure 7: Interface for setting/renewing VVDI Super Chips to different ID types.

5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Key Tool Max Pro.

- **Cleaning:** Use a soft, dry cloth to clean the device. Avoid using abrasive cleaners or solvents.
- **Storage:** Store the device in its protective carrying case in a cool, dry place away from direct sunlight and extreme temperatures.
- **Software Updates:** Regularly check for and install software updates via Wi-Fi to ensure the device has the latest features, vehicle coverage, and bug fixes.
- **Battery Care:** Avoid fully discharging the battery frequently. Charge the device regularly, even if not in active use, to maintain battery health.
- **Cable Inspection:** Periodically inspect all cables (OBD, USB, leakage detection) for any signs of wear, damage, or fraying. Replace damaged cables immediately.

6. TROUBLESHOOTING

This section addresses common issues you might encounter.

Problem	Possible Cause	Solution
Device does not power on.	Low battery; Power button not pressed correctly; Device malfunction.	Charge the device for at least 30 minutes. Press and hold the power button for 3-5 seconds. If issue persists, contact technical support.
Failed to connect to vehicle OBD.	Loose OBD connection; Vehicle ignition off; Damaged OBD cable; Vehicle OBD port issue.	Ensure OBD cable is securely connected to both the device and vehicle. Turn vehicle ignition to ON position. Try a different OBD cable if available. Check vehicle's OBD port for damage.
Transponder/Remote cloning fails.	Incorrect chip/remote type; Chip/remote not placed correctly; Insufficient power; Software outdated.	Ensure you are using a compatible Xhorse Super Chip or remote. Verify the chip/remote is correctly placed in the coil/generation area. Ensure device is sufficiently charged. Update device software.
Device freezes or is unresponsive.	Software glitch; Low memory.	Perform a forced restart (refer to device manual for specific button combination, usually holding power button for 10+ seconds). Ensure sufficient storage space for updates.

7. SPECIFICATIONS

Feature	Detail
Brand	Xhorse
Model	Key Tool Max Pro
Built-in Modules	OBD Module, Current and Voltage Detection Module
Transponder Support	ID46, ID48 (96bits), Toyota 8A/8H, and many more (refer to Figure 4)
IMMO Programming	Thousands of car models, including CAN_FD (Cadillac CT4/CT5, Buick GL8, Encore)
Remote Generation	Over 6000 vehicle remotes (200 brands), over 100 garage remotes
Compatibility	Xhorse Super Chip, Xhorse Super Remote, VVDI Mini Key Tool, Xhorse Key Tool Max
First Available Date	June 29, 2023

8. ACCESSORIES AND PACKAGE CONTENTS

The Xhorse Key Tool Max Pro package includes the following items:

- 1x Xhorse Key Tool Max Pro Device
- 1x OBD to DB15 Cable with Light
- 1x Remote Programming Cable
- 1x Leakage Detection Cable
- 1x USB Cable

- 1x User Manual

- 1x Certificate of Quality

- 1x Carrying Case (Package)

- (Note: Super Chips and Super Remotes are typically sold separately or in specific bundles.)

Figure 8: Included accessories and package contents.

9. WARRANTY AND SUPPORT

Xhorse provides technical support for its products.

9.1 Online Technical Support

For any technical issues or questions, you can access live and free technical support through the 'Customer service' section on the Xhorse APP. A professional and dedicated team is available to assist you.

9.2 Warranty Information

Please refer to the warranty card included in your product package or visit the official Xhorse website for detailed warranty terms and conditions. Keep your purchase receipt as proof of purchase for warranty claims.