

TLK1 User Manual



1 Product Overview

1.1 Product Diagram



The TLK1 is a professional device designed for reusing locked Toyota/Lexus keys. Through innovative technology, it allows direct matching of used keys without unlocking them, significantly improving key reuse efficiency and reducing overall costs.

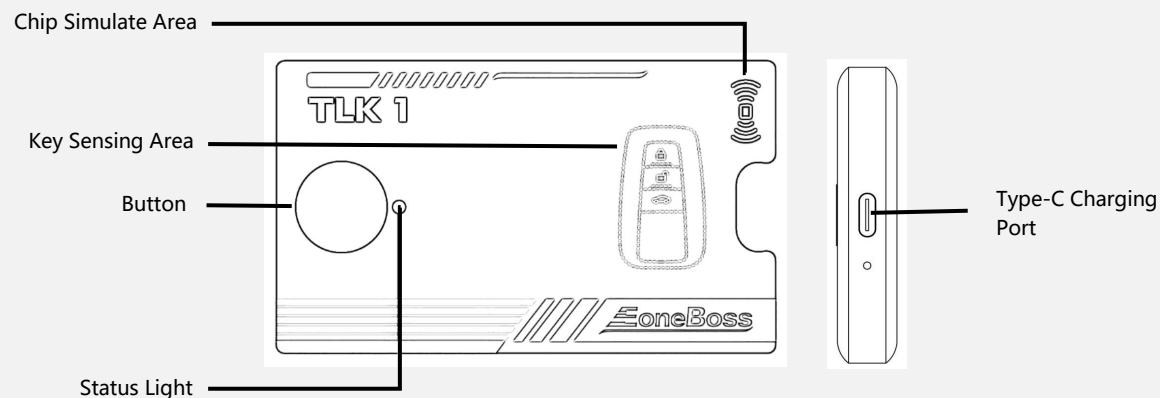
1.2 Technical Background

When a locked key is reused, the typical process involves unlocking and resetting it to a blank state. However, certain Toyota/Lexus key models cannot be refreshed due to unique encryption mechanisms. To address these challenges, the TLK1 device employs a breakthrough solution.

1.3 Core Advantages

- **High Compatibility:** Works with any brand or model of device without hardware limitations.
- **Non-Destructive Operation:** Uses non-invasive technology; no need to open, weld, or unlock the key, thereby preserving its integrity.
- **Convenient and Efficient:** Standardized operating procedures simplify usage. No complex technical training is required.
- **Customizable Language:** English is the default language. Other languages can be provided upon request.

2. Function Introduction



● Status light Indicators

| Status Light Indicators | Description of corresponding functions |
|-------------------------|---|
| Green (solid) | Device is connected and charging |
| Red (solid) | Voice broadcast mode with real-time status updates |
| Flashing | Device is performing core operations (read, match, write) |

● Button Functions

Power On/Off: Long press (~3 seconds) to toggle power

Status Inquiry: Short press while powered on to hear current operation via voice prompt

Reset: Long press (~5 seconds) to reset the device

● Power Options

Battery-Free Version: Requires 5 V / 500 mA power supply during operation

Battery Version: Includes a built-in 3.7 V, 450 mAh battery; supports simultaneous charging and use.

Defaults to external power and switches to battery when needed

● Compatible Power Sources

Can be powered by mobile phone chargers, computers (USB), power banks, and standard 5 V adapters

2.1 Support Key Models

Toyota/Lexus: 8A-AA BA B9 B8

2.2 Product Parameters

| Structure | |
|---|---|
| Dimensions | 61.5x96.5x12.5mm |
| Packing Dimensions | 136x 78.5x17.5mm |
| Material | ABS environmental protection material |
| Input Interface | USB Type-C |
| Hardware | |
| Core Chip | BLE 5.0 MCU with 32-bit ARM Cortex-M4F + Cortex-M0 dual cores |
| Battery Capacity (with battery version) | 3.7V, 450mAh |
| Bluetooth | Single-mode BLE 5.0 |
| Wireless Frequency Band | 2.4GHz and 134.2KHz |
| Physical Parameters | |
| Input Voltage | 5V DC, 500mA |
| RF Transceiver | High sensitivity (-94dBm@BLE) |
| Transmitter Power | Up to +3 dBm |
| Working Temperature | -10°C~50° C |
| Storage Temperature | -20°C~70° C |

3 Operation Instructions

● Step 1 – Simulate Key Generation

Place the accidentally deleted or locked key in the TLK1 sensing area and press the button. TLK1 will read the secure identifier (e.g., key ID) and simulate a matching key using internal data.

● Step 2 – Match to Vehicle

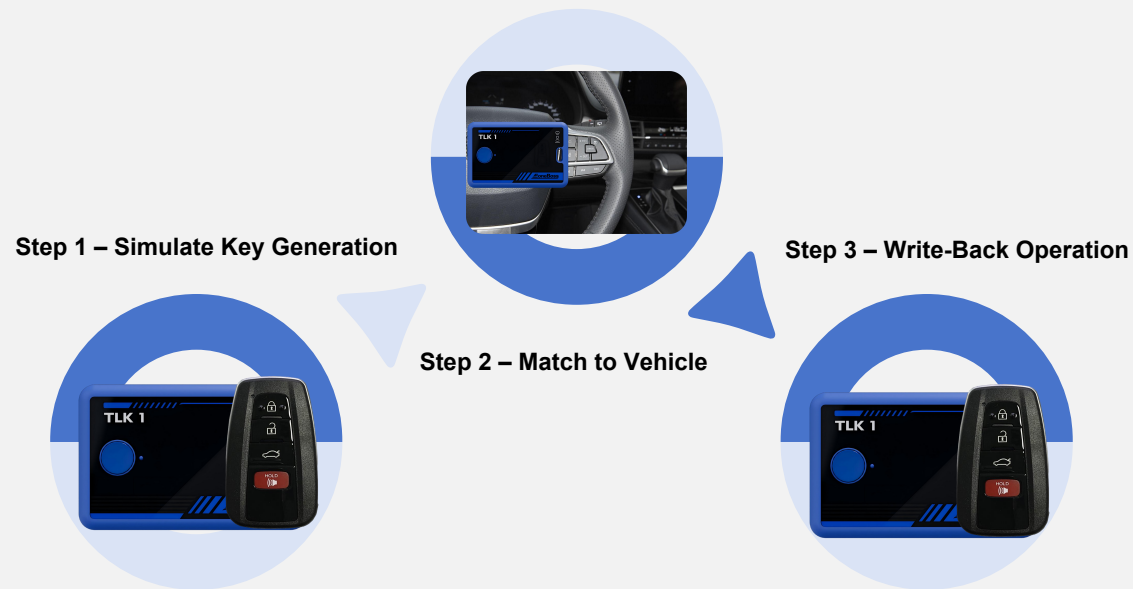
Use the TLK1 as a replacement key during the vehicle matching process. The device writes key ID and other information into the vehicle's system while storing key-related data such as passwords.

● Step 3 – Write-Back Operation

After successfully retrieving the data, TLK1 writes the complete key information back to the original locked key, reactivating it.

● Final Confirmation

Once the update is complete, test the key to ensure all functions are working. Programming is now complete.



4 FCC Warning Statement

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- - Reorient or relocate the receiving antenna.
- - Increase the separation between the equipment and receiver.
- - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- - Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

5 Warranty and After-Sales Service

The TLK1 comes with a one-year warranty, effective from the date of purchase as shown on the receipt or transaction certificate. If no proof of purchase is available, the manufacturer's factory delivery date will be used as the warranty start date.

Warranty Exclusions

The free warranty does not cover:

- Failure caused by improper use or not following the operating instructions;
- Damage from unauthorized repair or modification;
- Failure due to dropping, collision, or use of incorrect voltage;
- Damage caused by force majeure (natural disasters, etc.);
- Damage from long-term use in harsh environments or in vehicles and ships;
- Cosmetic damage (dirt, wear, or discoloration of the outer casing).

Support Contact:

Website: <http://www.eoneboss.com>
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6 Equipment Maintenance Records

| Date of Submission | Fault Description | Spare Parts Used | Date of Inspection | Maintenance Personnel Signature |
|--------------------|-------------------|------------------|--------------------|---------------------------------|
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(Use the table above to record all maintenance history.)