TLK User Manual

Shenzhen EoneBoss Technology Co., LTD

1 Product Overview

1.1 Product Diagram

The TLK 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.

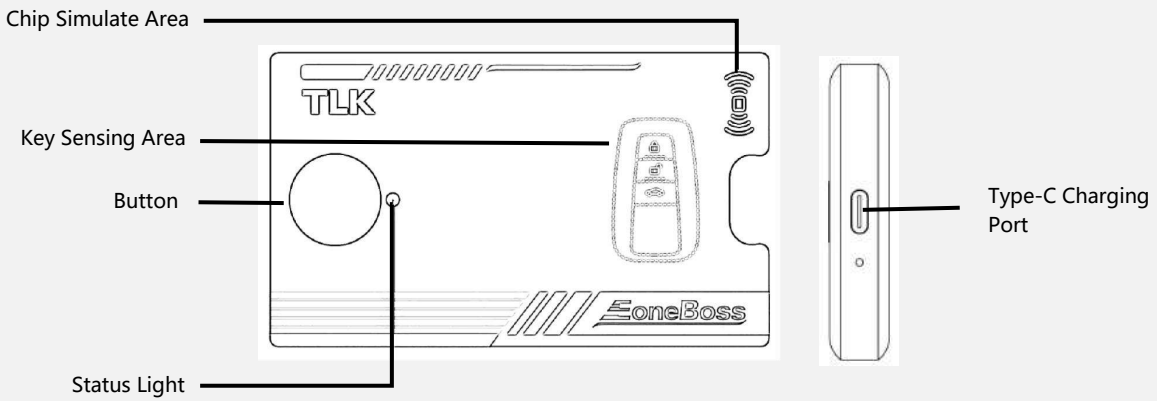
1.2 Technical Background

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 TLK 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

TLK1: Toyota/Lexus: 8A-AA BA B9 B8

TLK2: Toyota/Lexus: 4A-AA BA

Note: TLK1 and TLK2 devices are not compatible with each other.

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 TLK sensing area and press the button. TLK will read the secure identifier (e.g., key ID) and simulate a matching key using internal data.

- **Step 2 – Match to Vehicle**

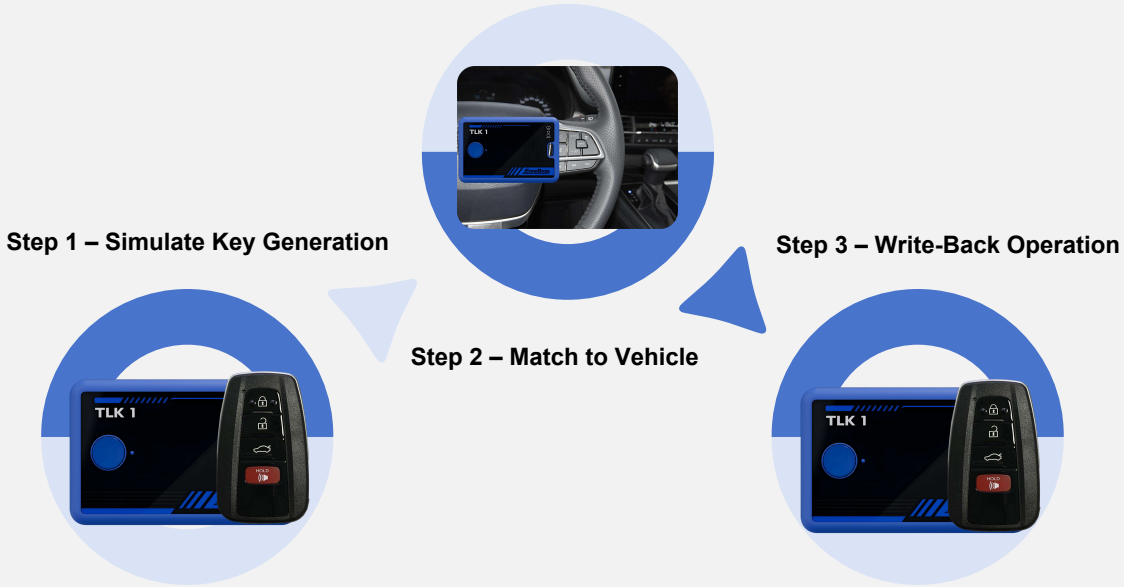
  Use the TLK as a replacement key during the vehicle matching process. The device writes key ID and other information into the vehicle's system while storing key-related data such as passwords.

- **Step 3 – Write-Back Operation**

  After successfully retrieving the data, TLK 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 Warranty and After-Sales Service

The TLK 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

Email: support@eoneboss.com

5 Equipment Maintenance Records

Date of Submission	Fault Description	Spare Parts Used	Date of Inspection	Maintenance Personnel Signature

(Use the table above to record all maintenance history.)