

Security Classification:

Most Confidential(    ) Confidential(    ) Internal( ☒ ) Public(    )

# Attestation\_Keybox Guide for RK3328

(Technical Department, Product Team)

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福州瑞芯微电子股份有限公司

Fuzhou Rockchips Electronics Co. , Ltd

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## Revision History

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# 1 Permise

This paper introduces the attestation keybox burning scheme of the core micro platform, including how to generate the attestation keybox.

## 1.1 Support Product

芯片类型
RK3126C
RK3328
RK3368

## 1.2 Reader

Production Technician

# 2 Attestation Keybox Generate

## 2.1 Introduce

The rkpacker tool provided by rk converts a set of attestation keyboxes provided by Google to a burning record KDB data file:

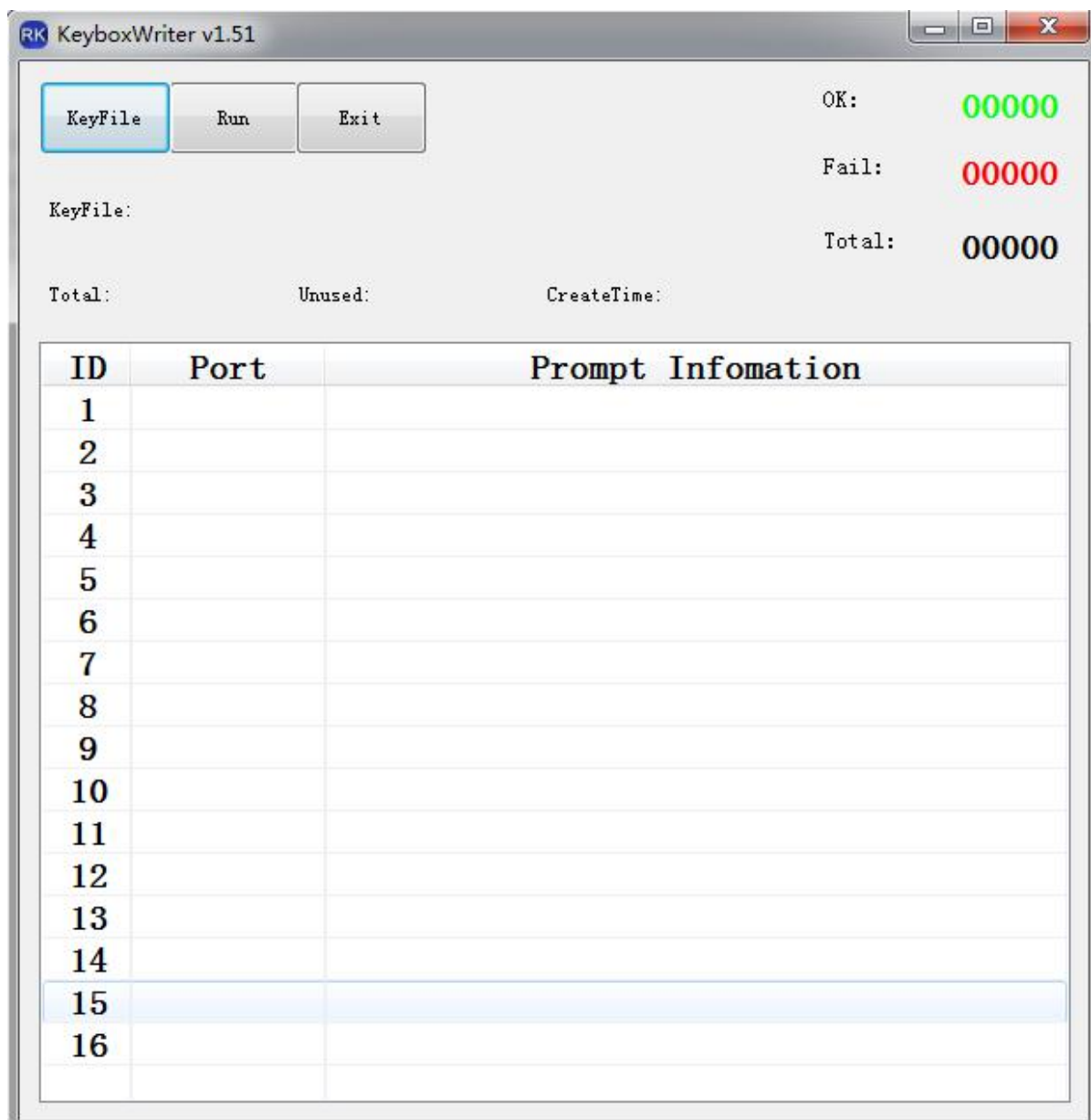
```
rkpacker test_keybox. xml - o keybox. kdb
```

The first parameter: test\_keybox.xml specifies the keybox data file to be converted;

The second parameter: -o parameter specifies the file path of the converted output, if not specified, a file will be generated in the current directory.

## 3 Tool Use

### 3.1 Keybox Tool



Use steps:

1. Click "KeyFile" and select the keybox file.
2. Click "Run" to automatically detect Loader device.
3. After the tool is detected, select a key from the keybox file and burn it.
4. Multiple loader devices can be connected at the same time.

Note:

The location of Key's burn position is specified by config.ini "DestPosition" parameter

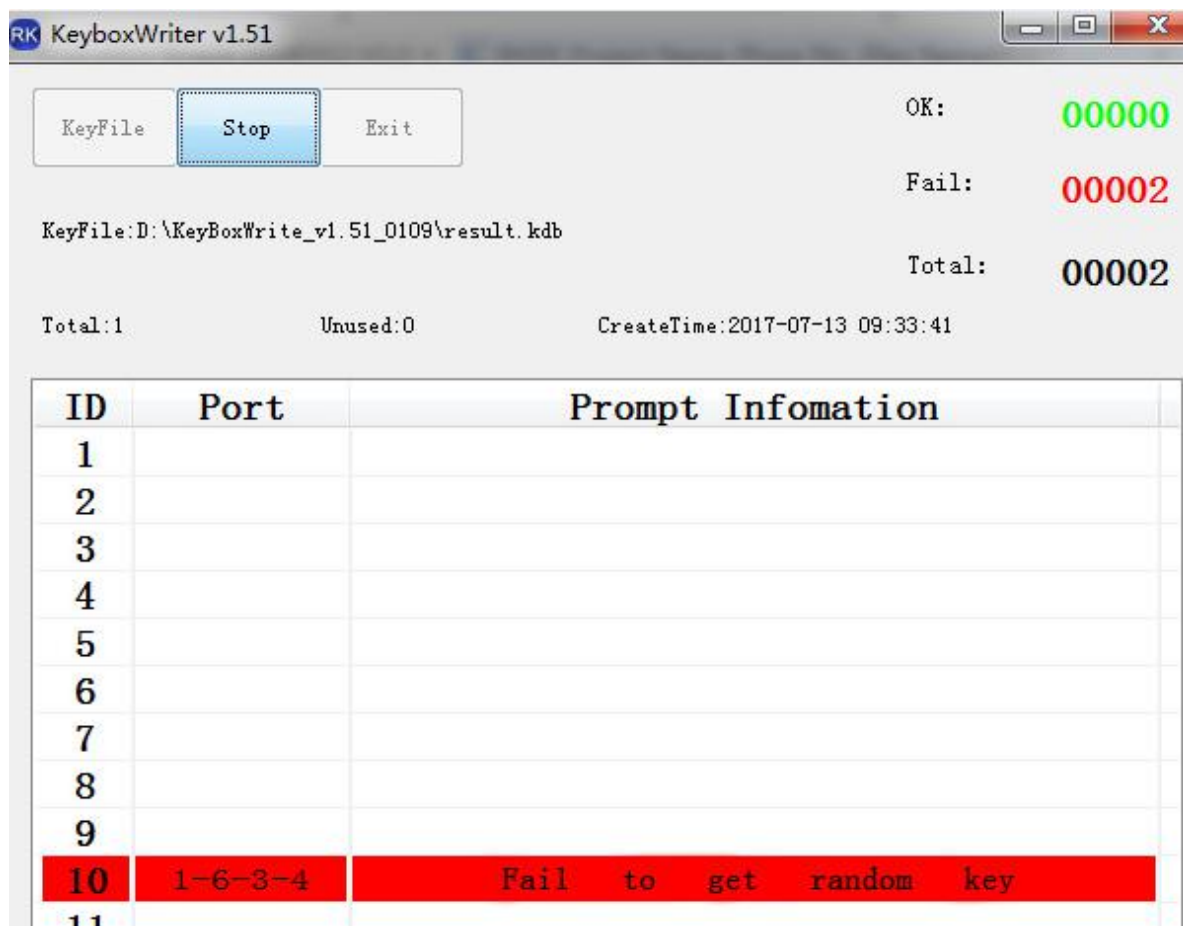
#DestPosition = 1:write key to misc; attestation choose this one

#DestPosition = 2:write key to vendor storage;

#DestPosition = other value:write key to old vendor;

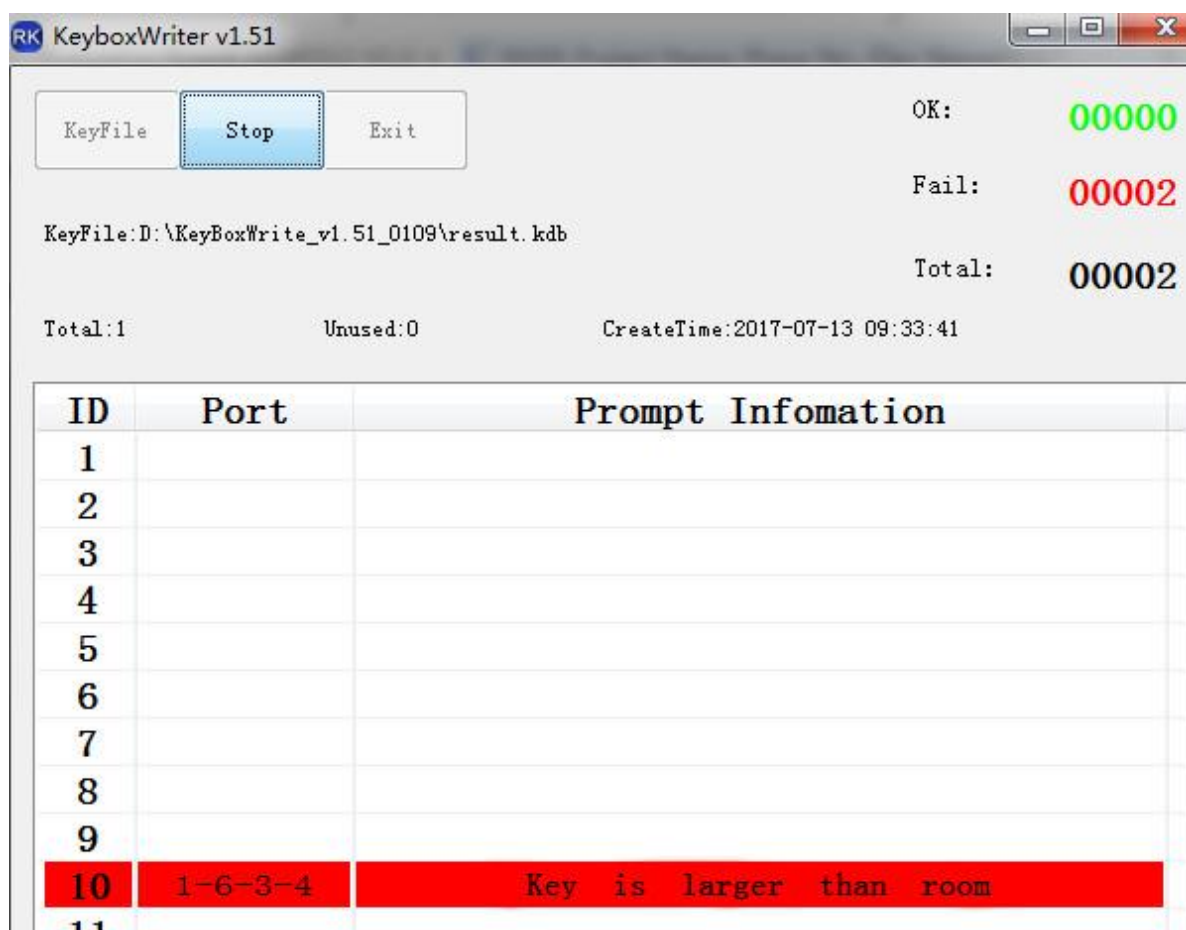
## 4 Q&A

### 4.1 Gets the random secret key failed



Reason:All keys in the Keybox file are used up.

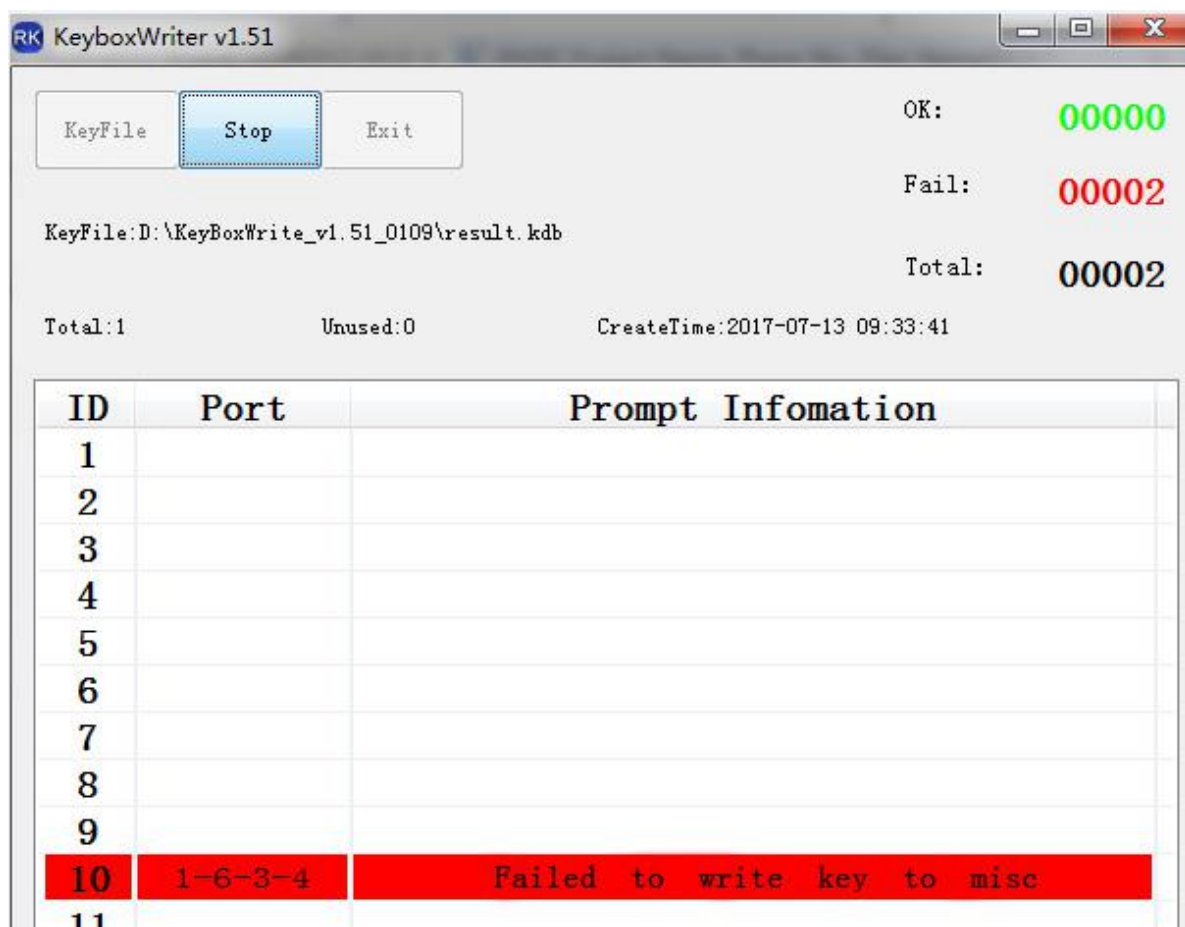
## 4.2 Key exceeds the allocated space



Reason:The size of the Key is over 64k

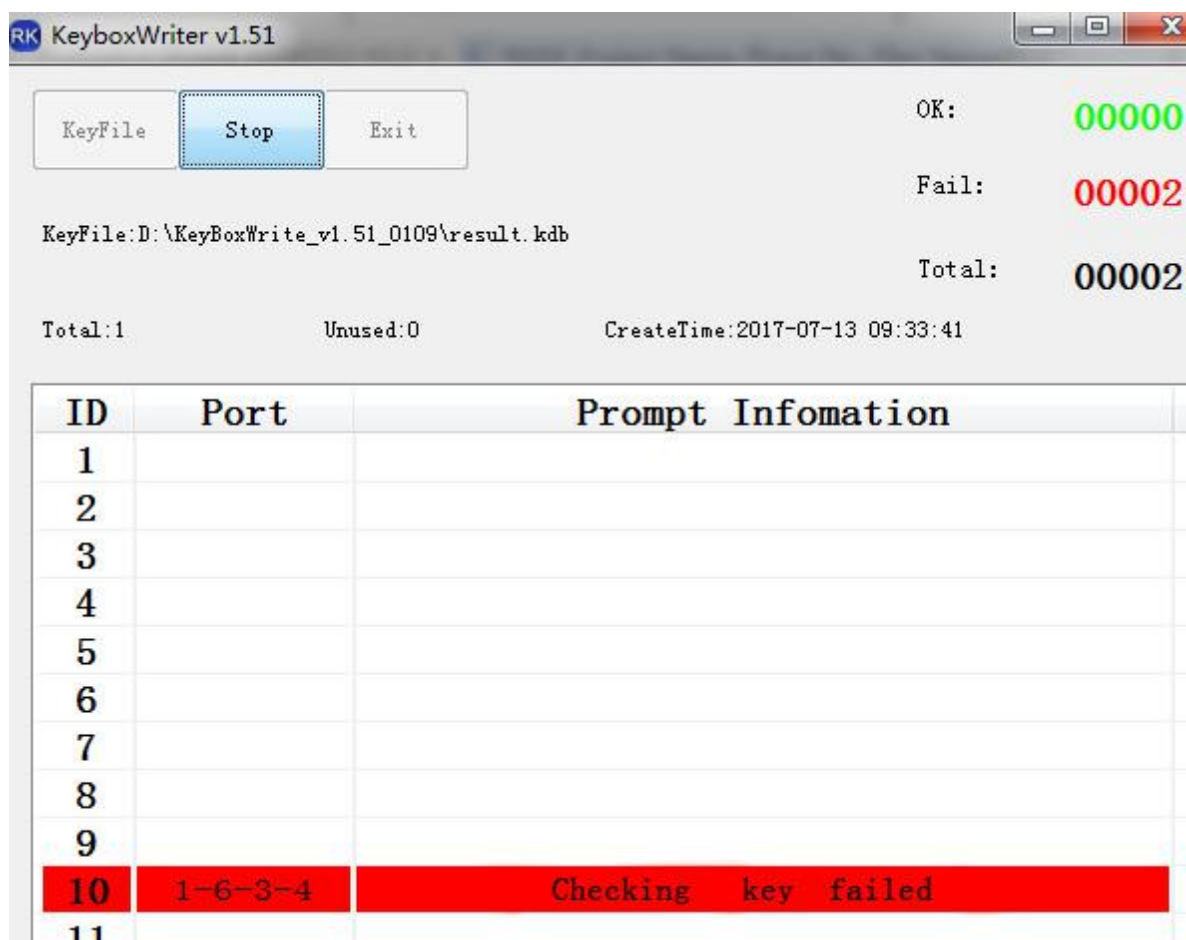


## 4.3 Write key to misc failed



Reason:The device does not answer, check whether the loader supports key burning

## 4.4 Verify key failed



Reason:Back to the key data failure, confirm whether the loader supports keybox burning.