

# ScanKey<sup>®</sup>

User's Manual

Version: 2015.2

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# Chapter 1 - Installation

## 1-1 Installation Precautions

Before installing ScanKey®, please make sure:

1. You have a [Micro USB Barcode Scanner](#).
2. You have an [Android device](#) (smartphone, tablet... etc) that [supports USB OTG](#).
3. The operating system must be [Android 4.1.1 or later](#) version.

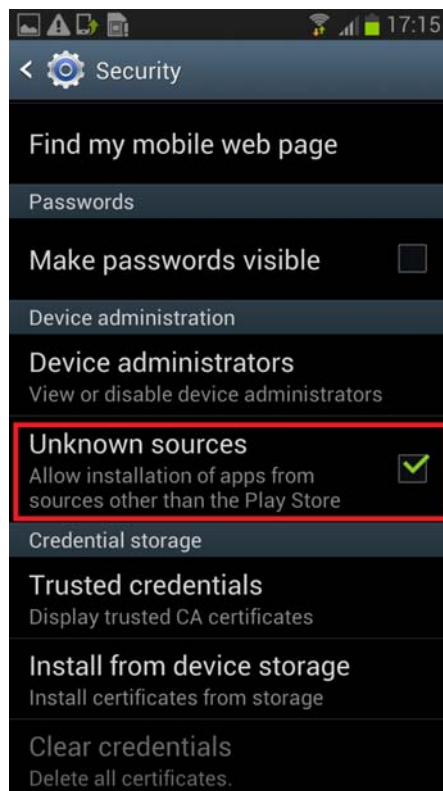
## 1-2 Security Setup

Please follow below steps to setup security settings on your Android device:

1. Enter [Settings](#).

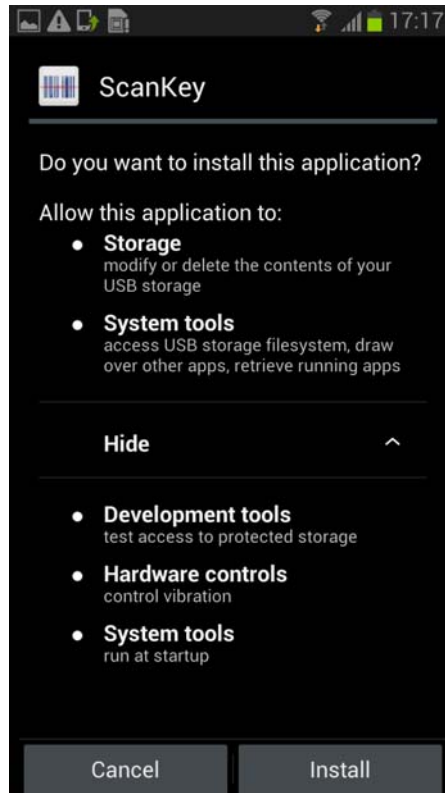


2. Enter [Security](#) and tick the checkbox of Unknown sources.

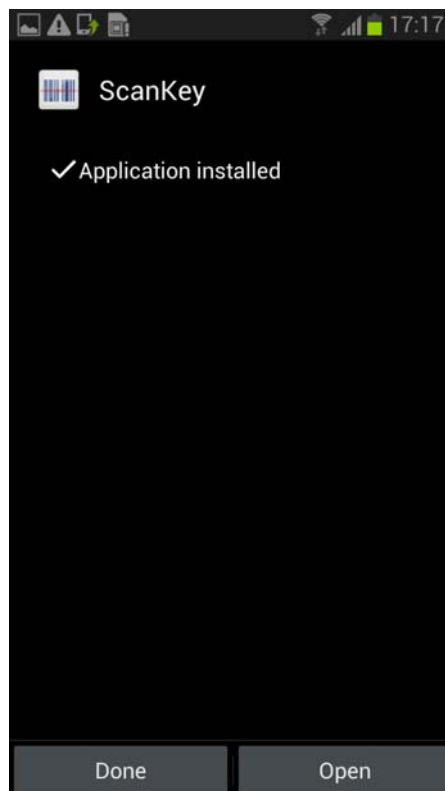


### 1-3 Installing ScanKey®

Please download the ScanKey® apk ([ScanKey\\_v#.##\\_yymmdd.apk](#)) to your Android device. Execute it by directly tapping the APK icon and tap “Install” in below dialog.



Below dialog verifies the successful installation of ScanKey®. Tap “Done” to exit.



# Chapter 2 – Operation

## 2-1 Introduction to ScanKey®

### Main Setting Window

The screenshot shows the 'Setting' window for ScanKey. It includes a status bar at the top with a battery icon, signal strength, Wi-Fi, and the time 12:04. The settings are as follows:

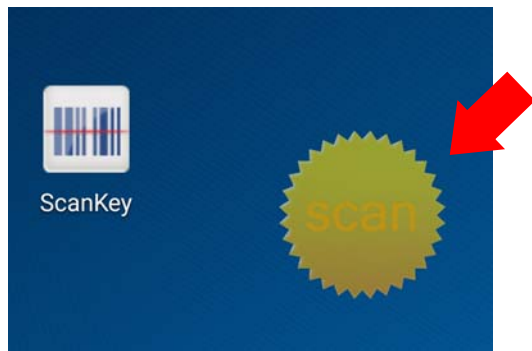
- Icon:** Please select the following options. Radio buttons 1 through 5 are shown, with 1 selected. *← Scan Button Icon - Style option*
- Size:** Radio buttons S, M, and L are shown, with S selected. *← Scan Button Icon - Size adjustment*
- Sound:** Checkboxes for Silent and Vibrate are shown, both are unchecked. *← Scan Sound - Silent or Vibrate option*
- Sound:** Radio buttons 1 through 5 are shown, with 1 selected. *← Scan Sound - Tone option*
- 180°:** Radio buttons YES and NO are shown, with YES selected. *← 180° - Rotate the Scan Button upside down*
- App Lock:** A 'Disable' button and a right-pointing chevron are shown. *← App Lock - Once enabled, the moment you tap on the Scan button, the locked app will be launched at once*

At the bottom of the screen are three buttons: 'Save', 'Reset', and 'Cancel'. Annotations point to these buttons:

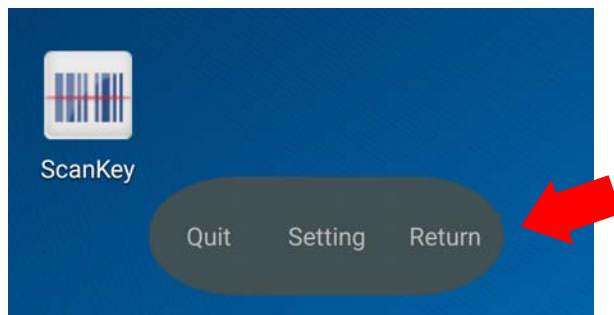
- ← Tap "Save" to save and exit the setting page*
- ← Tap "Reset" to reset to default*
- ← Tap "Cancel" to exit without saving the changes*

## Quit/Setting/Return (QSR) Window

1. Long tap on the Scan Button icon for 5 seconds



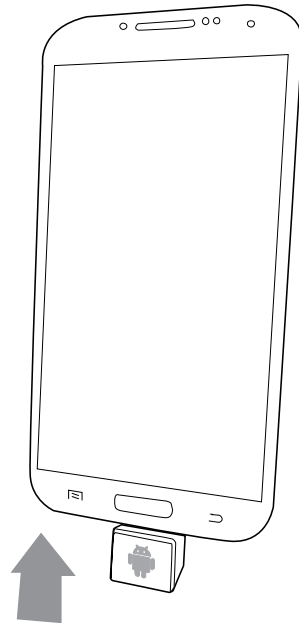
2. QSR Window will pop up.  
Tap "Quit" to stop the scan button app.  
Tap "Setting" to enter the Setting Window of the scan button.  
Tap "Return" to exit the QSR Window



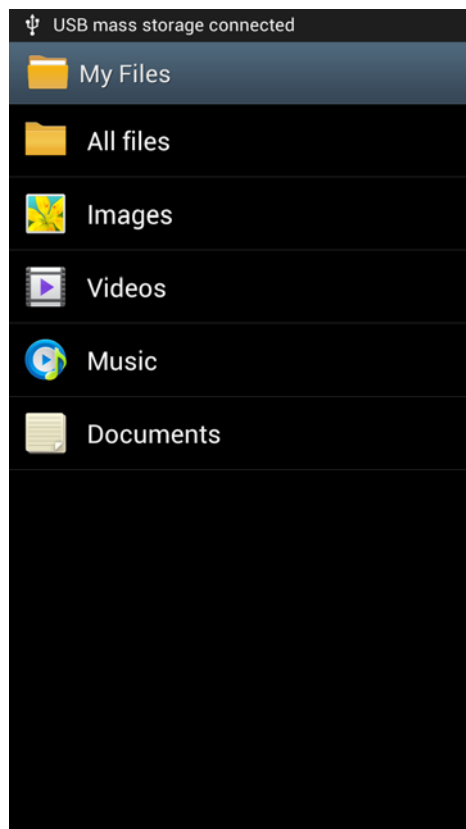
## 2-2 Operation Instruction

### 2-2-1 Mounting Micro USB Barcode Scanner

1. Please plug your Micro USB barcode scanner into your Android device.



2. If **File Manager** pops up, please tap **“Back”** to exit.



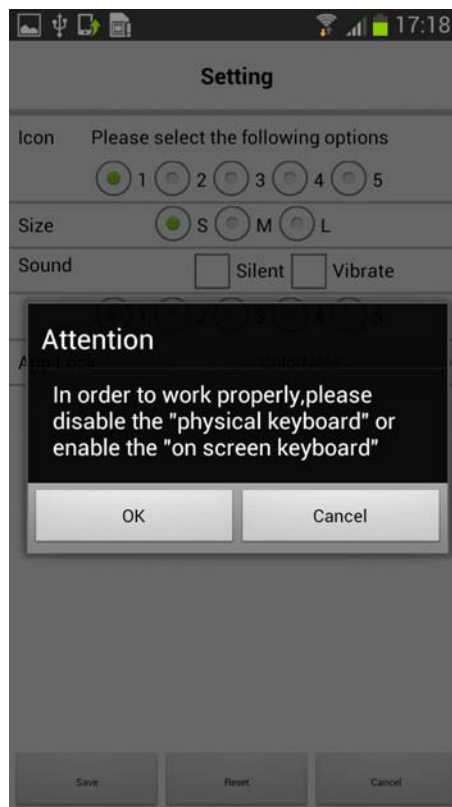


## 2-2-2 Launching ScanKey®

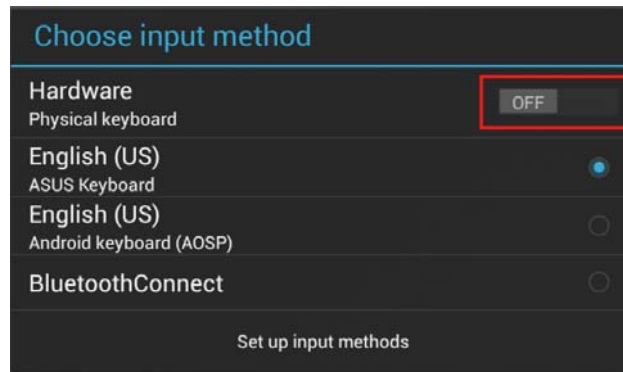
1. Please tap the shortcut icon of ScanKey® to enter the main Setting window.



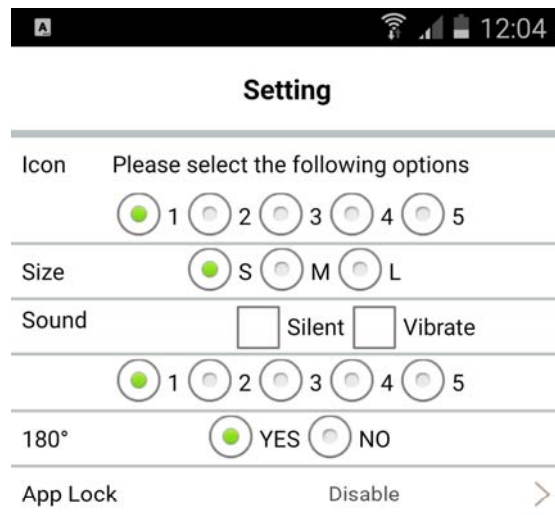
2. Tap "OK" in below dialog to setup Input Method.



3. In order to make sure the on-screen keyboard will still function when operating with the micro USB barcode scanner (emulating an external keyboard), please switch off “Physical Keyboard” or switch on “On-screen Keyboard” if any. And then select your desired keyboard as input method.

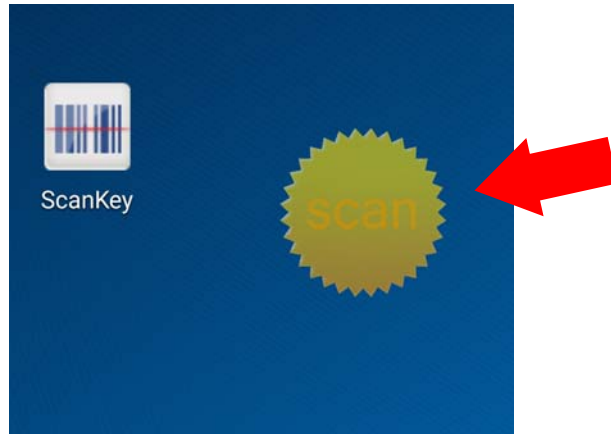


4. Now you will enter the main Setting window. Setup the settings as appropriate and tap “Save” to exit and save the settings.

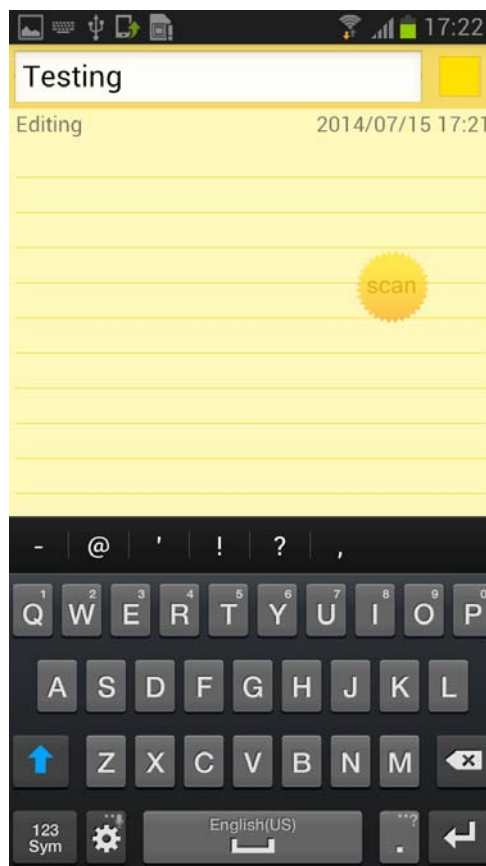


## 2-2-3 Scanning Operation

1. Once ScanKey® is successfully launched, a semi-transparent scan button will appear on your phone or tablet's screen. The button can be moved around to any corner you wish and will follow you anywhere you go and into any app you launch.



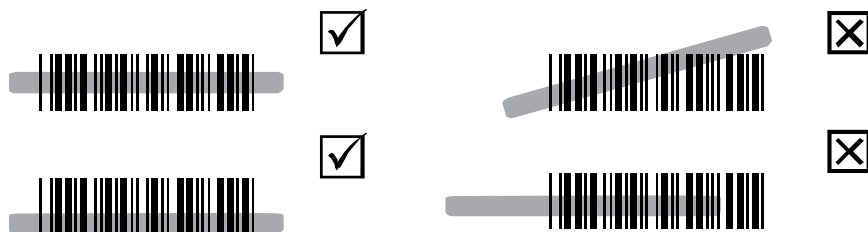
2. Now please enter the app that you want to input the barcode data. The app must be capable of receiving HID keyboard input.



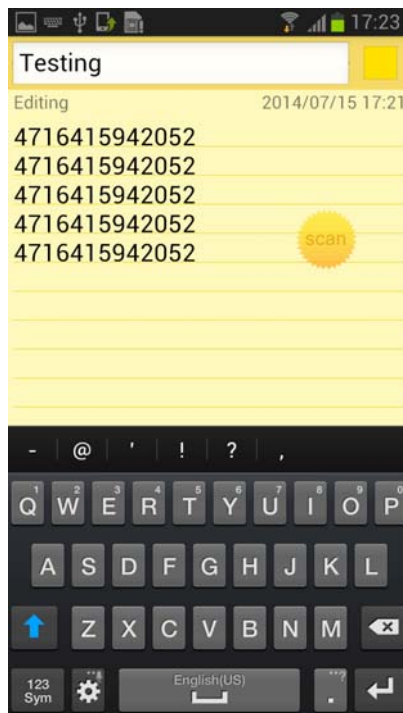
3. Tap on the scan button to trigger the micro USB barcode scanner.



4. To scan a barcode, make sure the aiming beam crosses every bar and space of the barcode.



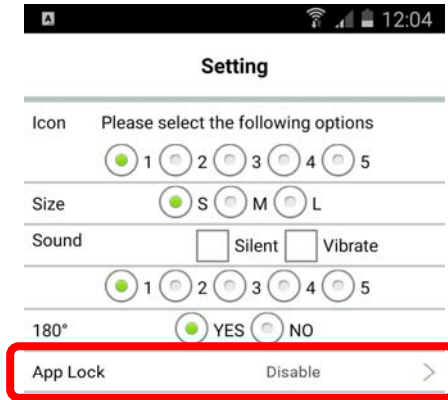
5. The scanned barcode data will be sent to the app immediately.



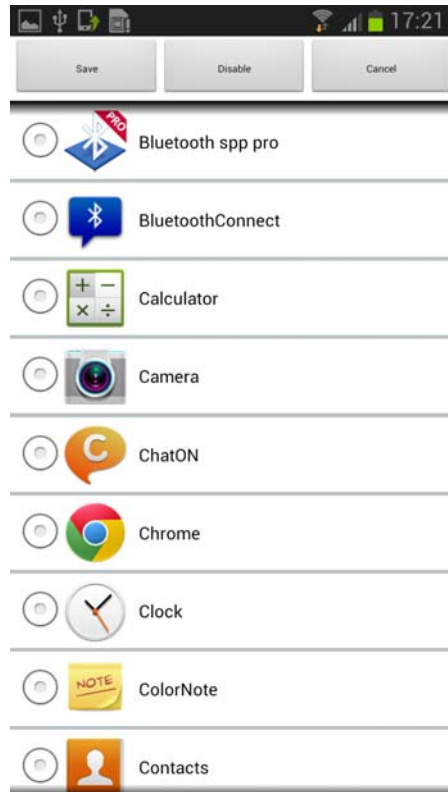
## 2-2-4 App Lock

App Lock enables simultaneous launching of both ScanKey® and your app. Please follow below steps:

1. Enter the main Setting window and tap “App Lock”.



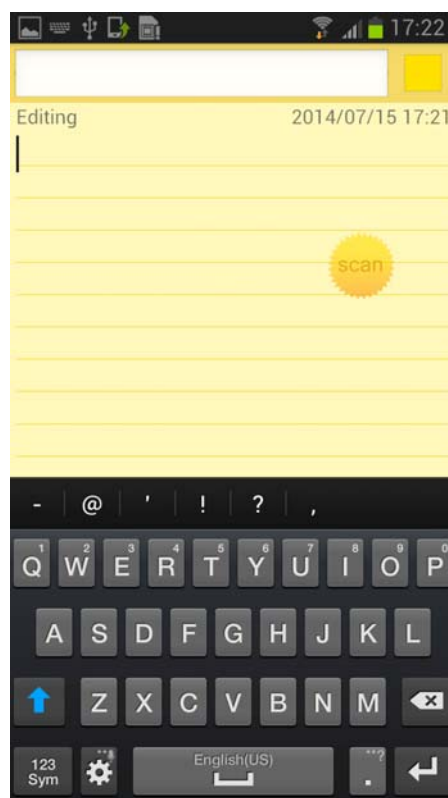
2. Select your desired app in the list and then tap “Save” to save and exit.



3. Tap on the scan button on the screen.



4. Your app (the “locked app”) will be launched immediately, with scan button floating on it.

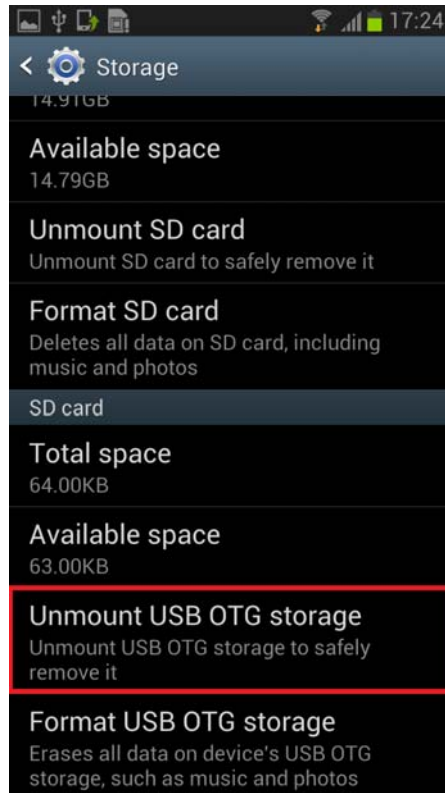


**Note: The “App Lock” setting will lock the Scan button to one specific app. If you intend to input barcode data to more than one app, do not enable the “App Lock” function.**

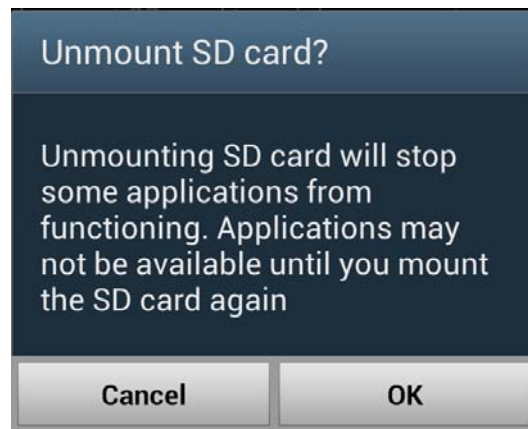
## 2-2-5 Unmounting Micro USB Barcode Scanner

Please follow below steps to safely remove your micro USB barcode scanner.

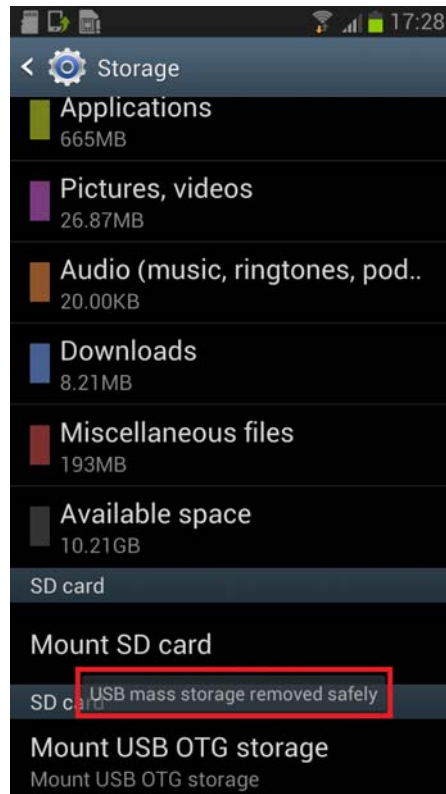
1. Enter [Settings](#) > [Storage](#), and tap “[Unmount USB OTG storage](#)”



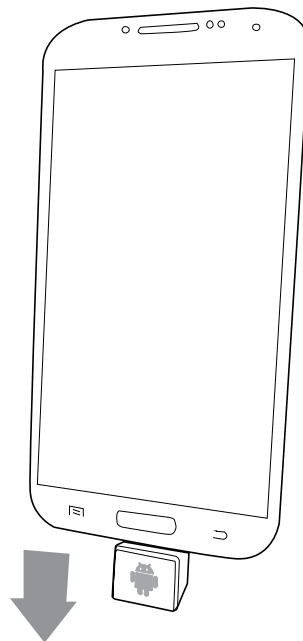
2. Tap “[OK](#)” in below dialog to confirm.



3. The message “USB mass storage removed safely” verifies the successfully removal.



4. Now you may unplug the micro USB barcode scanner from your Android device.



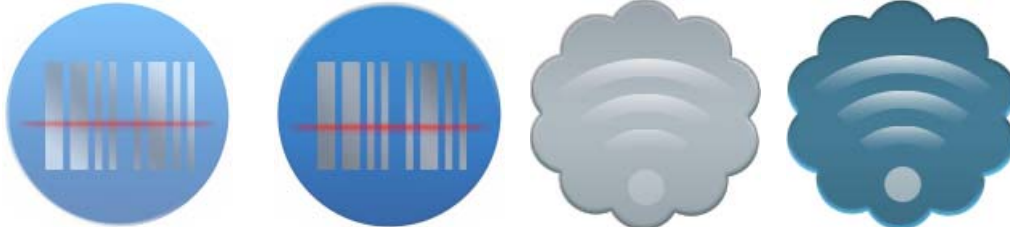


## 2-3 Customization

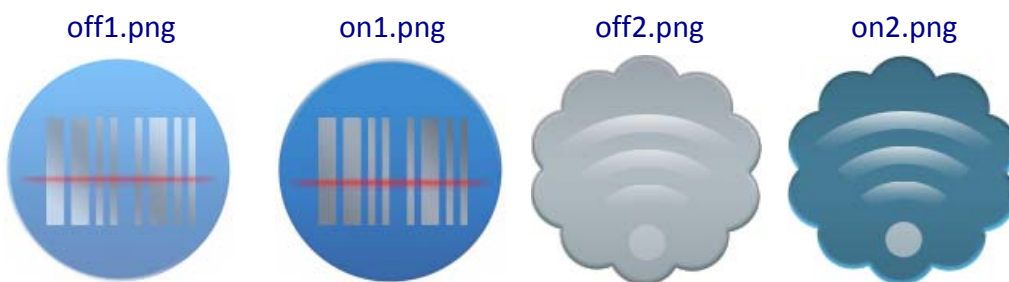
### 2-3-1 Scan Button

ScanKey® allows users to customize their scan button icons. Please follow below steps:

1. Create two icons for each style of button, with one brighter than the other. Make sure you create them in **PNG format** so that you will be able to make the surroundings transparent.



2. Name the icons in below rule:



The **off#.png** is what icon appears when it is running on the screen, while the **on#.png** icon is what icon looks like when it is tapped by user. It is suggested that the **off#.png** icon be the brighter one. You may customize up to 5 styles of scan button, which means you have to create up to 10 icons.

3. Place all the icons under below folder:  
[/storage/sdcard0/ScanKey/Icon](#)
4. You may enter the main Setting window of ScanKey® and tap on below options to change the scan button icon to your customized ones.

### Setting

Icon Please select the following options



## 2-3-2 Sound

ScanKey® allows users to customize the app's scan sounds. Please follow below steps:

1. Create your own scan sounds in [MP3 format](#).

2. Name them in following rule:

1.mp3

2.mp3

....

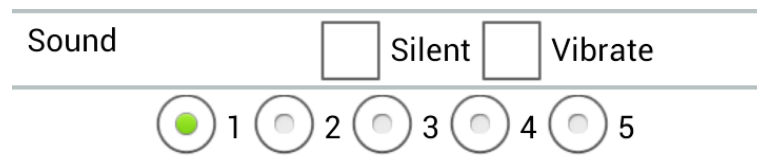
...

5.mp3

3. Place all the icons under below folder:

[/storage/sdcard0/ScanKey/Sound](#)

4. You may enter the main Setting window of ScanKey® and tap on below options to change the sound as desired.



## Chapter 3 – Frequently Asked Questions

### 1. How to tell if my Android device supports USB OTG?

There are 3 ways to verify:

- (1) Check the specifications of your Android device on the website.
- (2) Download “USB OTG checker” from Google Play.
- (3) Simply plug a [USB Mass Storage Device \(USB Thumb Drive\)](#) to your Android device and see if it detects a mass storage device is being connected.

### 2. Why doesn't the scan button appear on the screen after launching ScanKey® ?

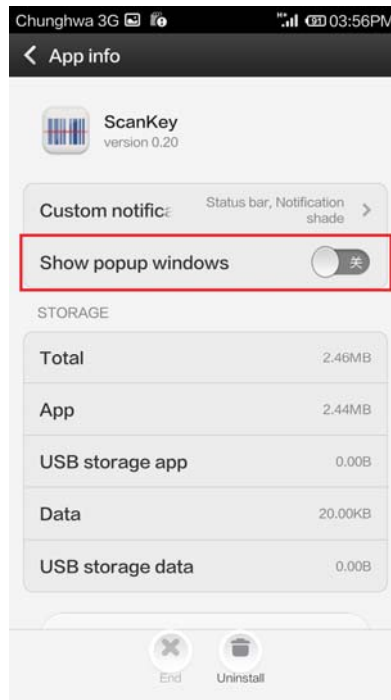
Your Android device might not allow such application to pop up on the screen by default. To fix this, please follow below steps:

#### Case 1 - Xiaomi

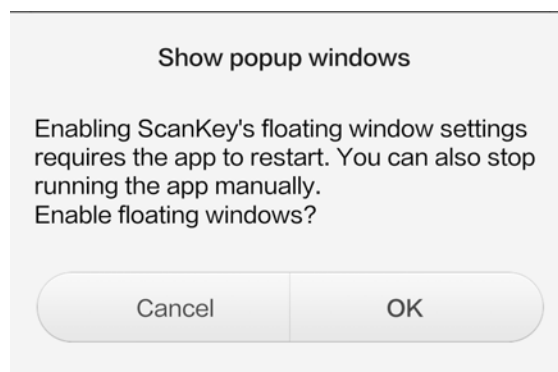
- (1) Enter [Settings](#) > [Apps](#) > [Downloaded](#), and tap on “ScanKey”.



(2) Switch on “Show popup windows”



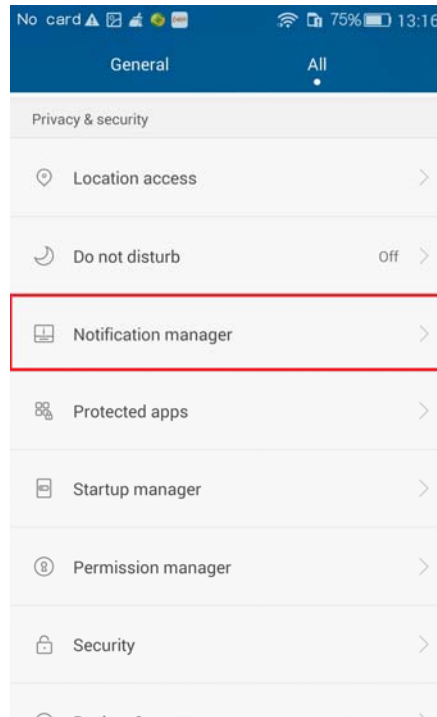
(3) Tap “OK” if you ever encounter this dialog.



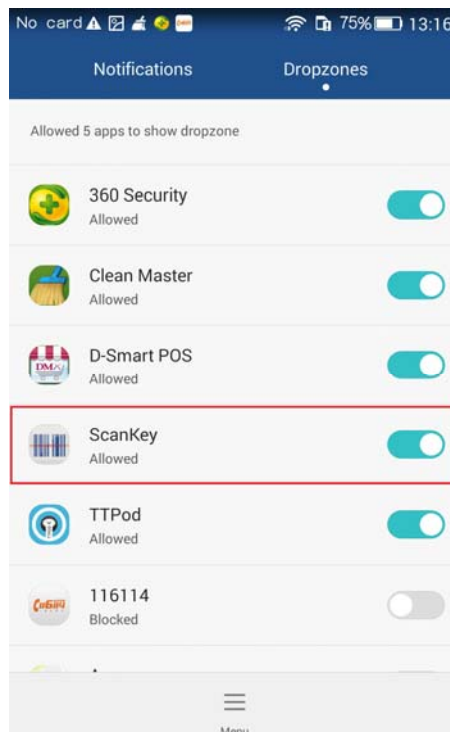
(4) Now the scan button works properly and will appear on the screen.

## Case 2 - Huawei

(1) Enter [Settings](#) > [All](#) > [Notification manager](#).



(2) Enter [Dropzone](#), and turn on the switch next to “[ScanKey](#)” to allow it to show dropzone.



(3) Now the scan button works properly and will appear on the screen.

### **3. The scan button disappears after being tapped.**

Normally if this happens, it can be that:

- (1) the micro USB barcode scanner is not connected to your Android device.
- (2) the micro USB barcode scanner is not safely removed in the previous attempt, causing your Android device unable to detect USB OTG device anymore. To solve this, please see [Chapter 2-2-5 Unmounting Micro USB Barcode Scanner](#) and start over again.
- (3) your Android device does not support USB OTG. Contact your local distributor for further technical assistance.

### **4. The App Lock function is not working.**

Make sure you follow the steps in [Chapter 2-2-4 App Lock](#) thoroughly and that your micro USB barcode scanner is properly connected.