




ATID Co., Ltd

User Guide for Keyboard Wedge

User manual for Keyboard wedge

SW Team

2022-06-20

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DOC		Author	SW Team	Date	2022-06-20	Version	V 1.1

Document Revision Record

Version	Date	Revision ¹	Description of change ²	Writer
v 1.0	2021-07-14	Draft	Initial release	SW Team
v 1.1	2022-06-20	Improvement	scan both RFID and barcode using gun trigger key	SW Team

¹ Revision: Define the contents are addition / modification/ deletion.

² Description: Describe revised page number and contents.

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1. Introduction

This document explains the user how to install the Keyboard wedge application, initial setup and usage of keyboard wedge feature in the AT907.

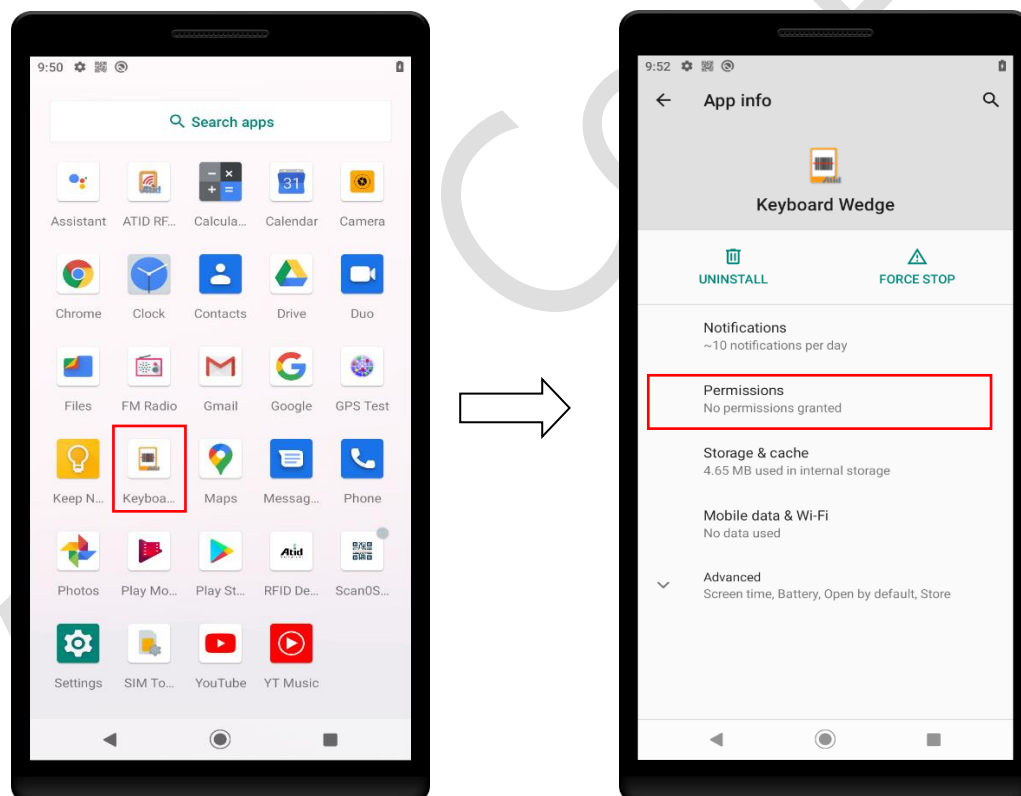
2. Initial setup

2.1.0 Install the application and set permission access.

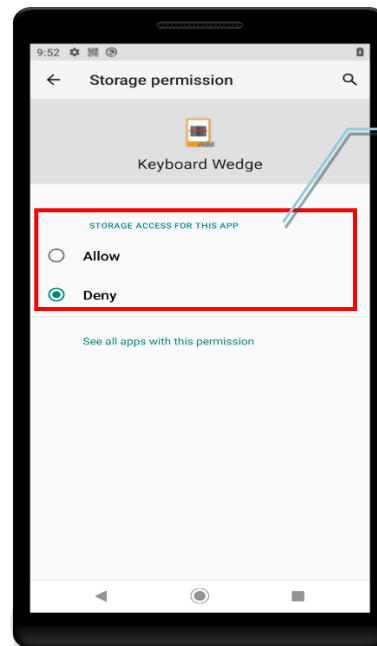
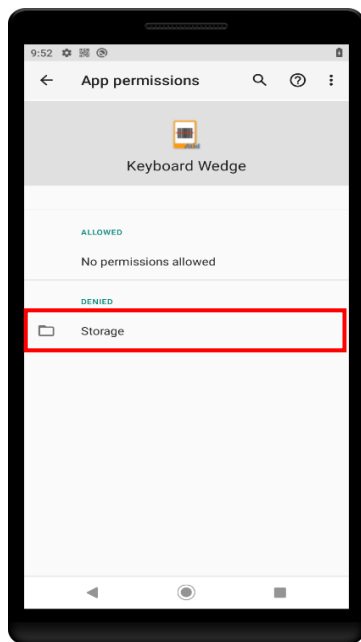
Install the Keyboard wedge application (if not installed) and provide application required permission access.

note: keyboard wedge installation apk can be find in the SDK (<SDK root folder>/Bin)

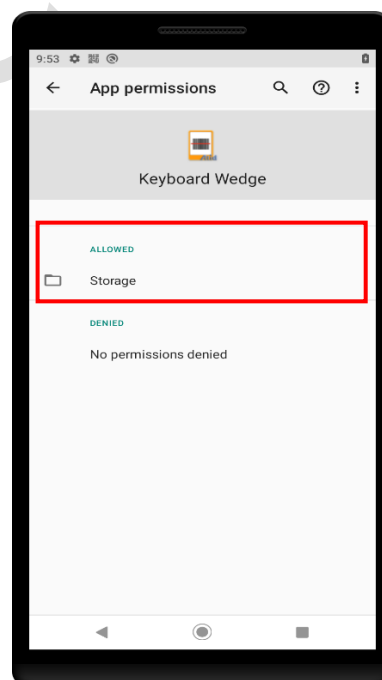
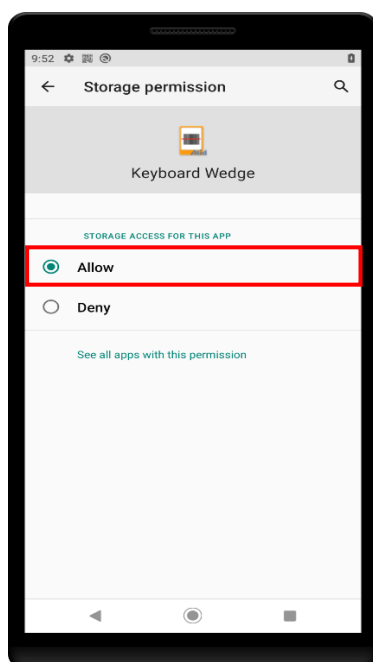
Set the required permission access, ("**storage**" permission is mandatory)



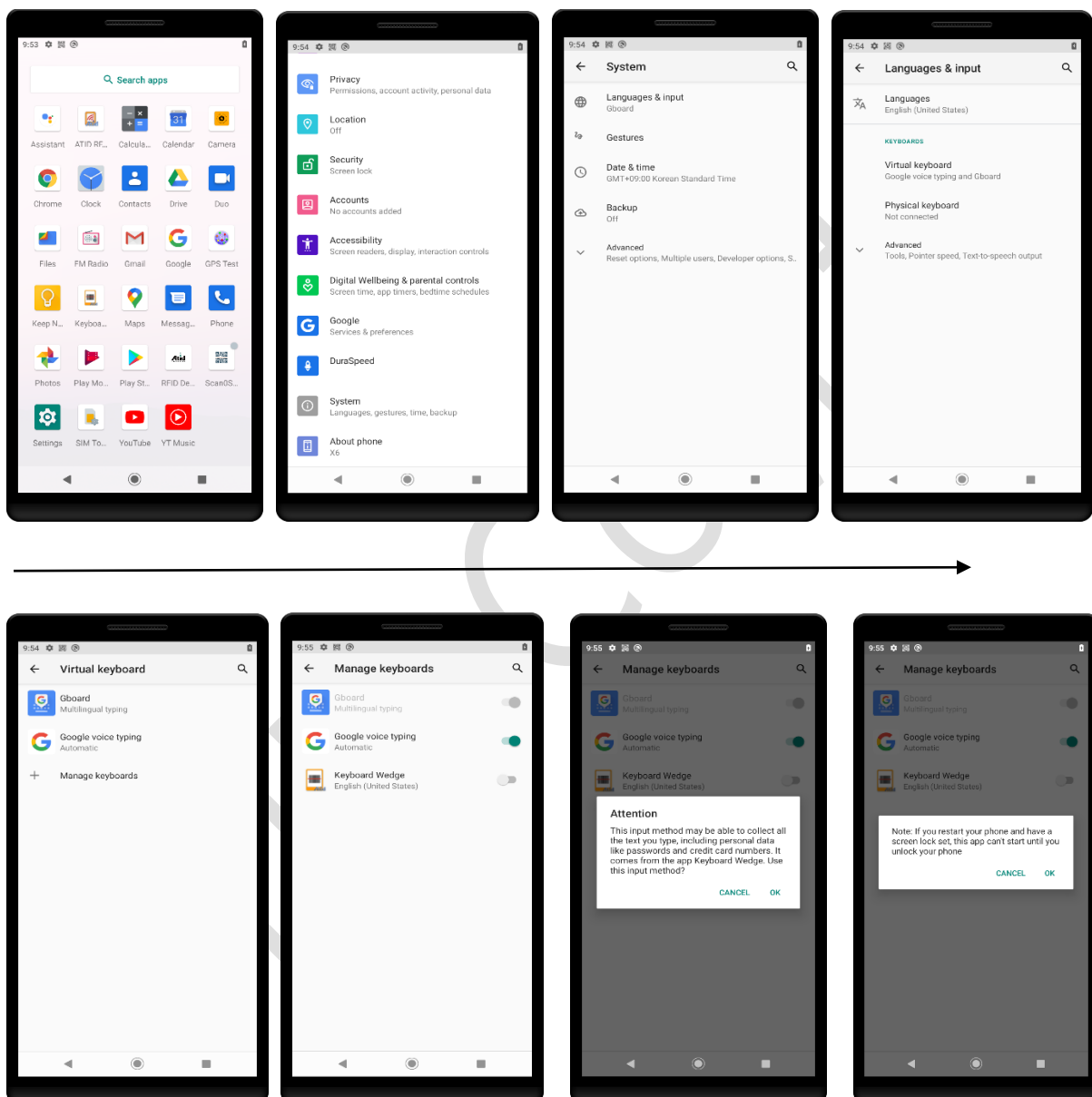
Provide access to Storage:




*By default,
storage access is
denied.*



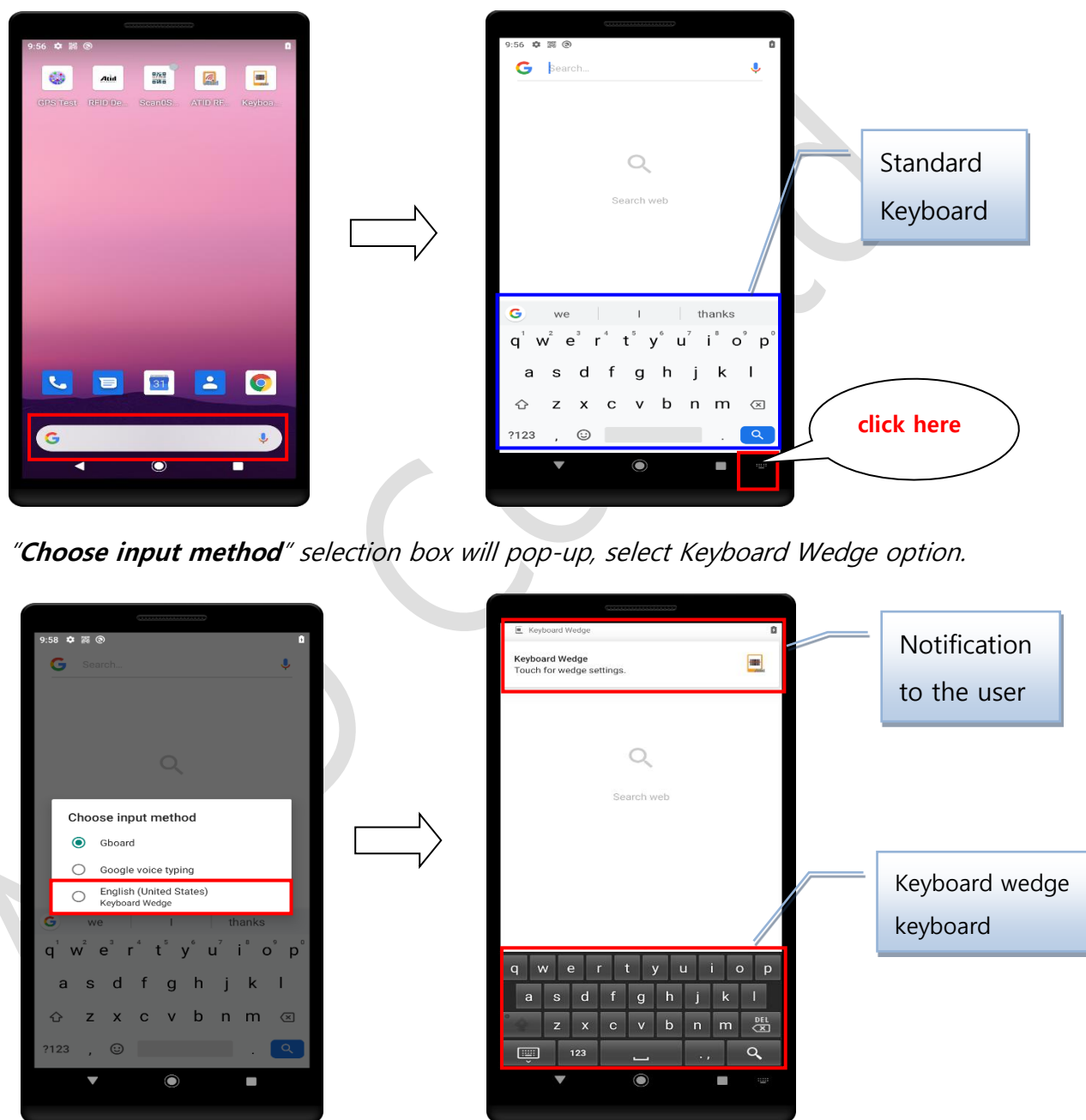
2.1.1 Add Keyboard wedge to the keyboard list in the device.



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2.1.2 Enable Keyboard Wedge feature.

click on any text field (example shown here is search field)



2.1.3 Validation



Keyboard wedge
Notification Icon

note: Icon in the notification bar and keyboard indicates that Keyboard wedge is enabled successfully.

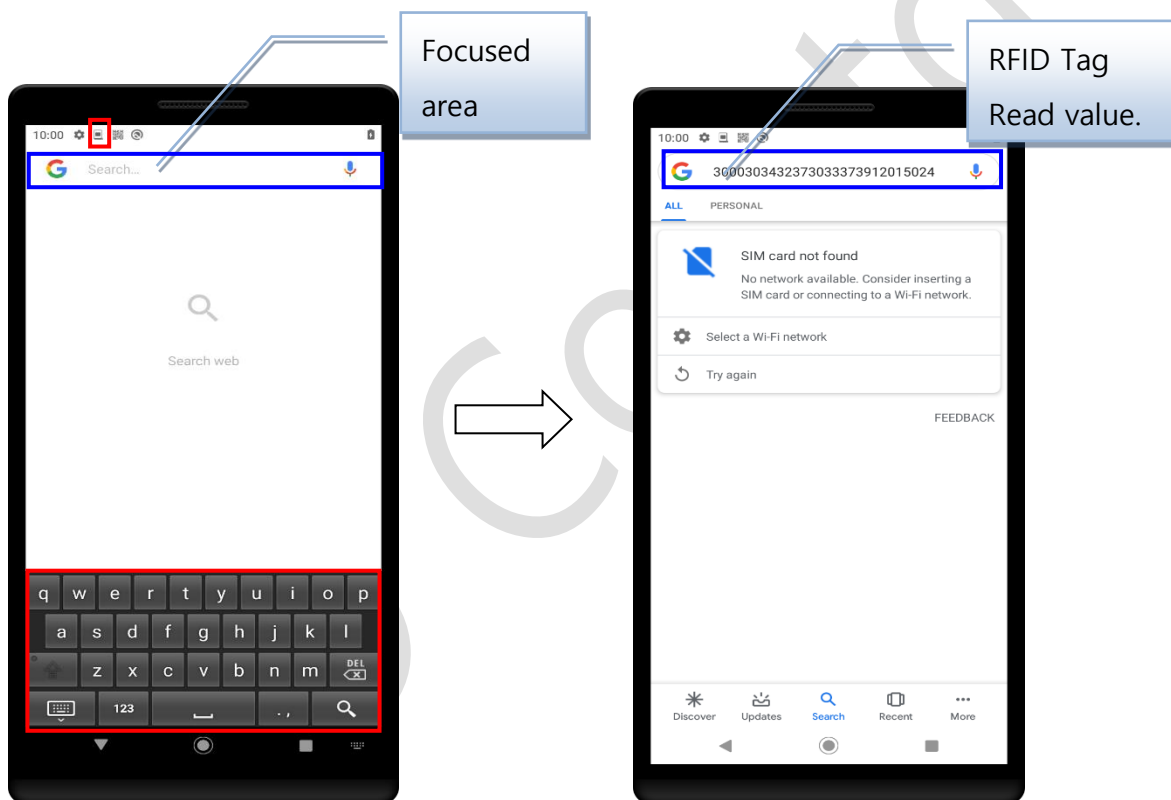
2.1.4 Hardware Key Mapping

HW KEY FUNCTIONALITY IN KEYBOARD-WEDGE			
KEY NAME	BEFORE	AFTER	Remarks
VOLUME	volume	volume	
LEFT	Barcode scan	Trigger mode switch	RFID ↔ Barcode
RIGHT	Barcode scan	N/A	No action assigned
GUN TRIGGER	RFID scan	RFID/Barcode	Based on switch status
Note: 'Beep' sound assigned upon pressing trigger mode switch (Left key)			

3. Keyboard Wedge in action

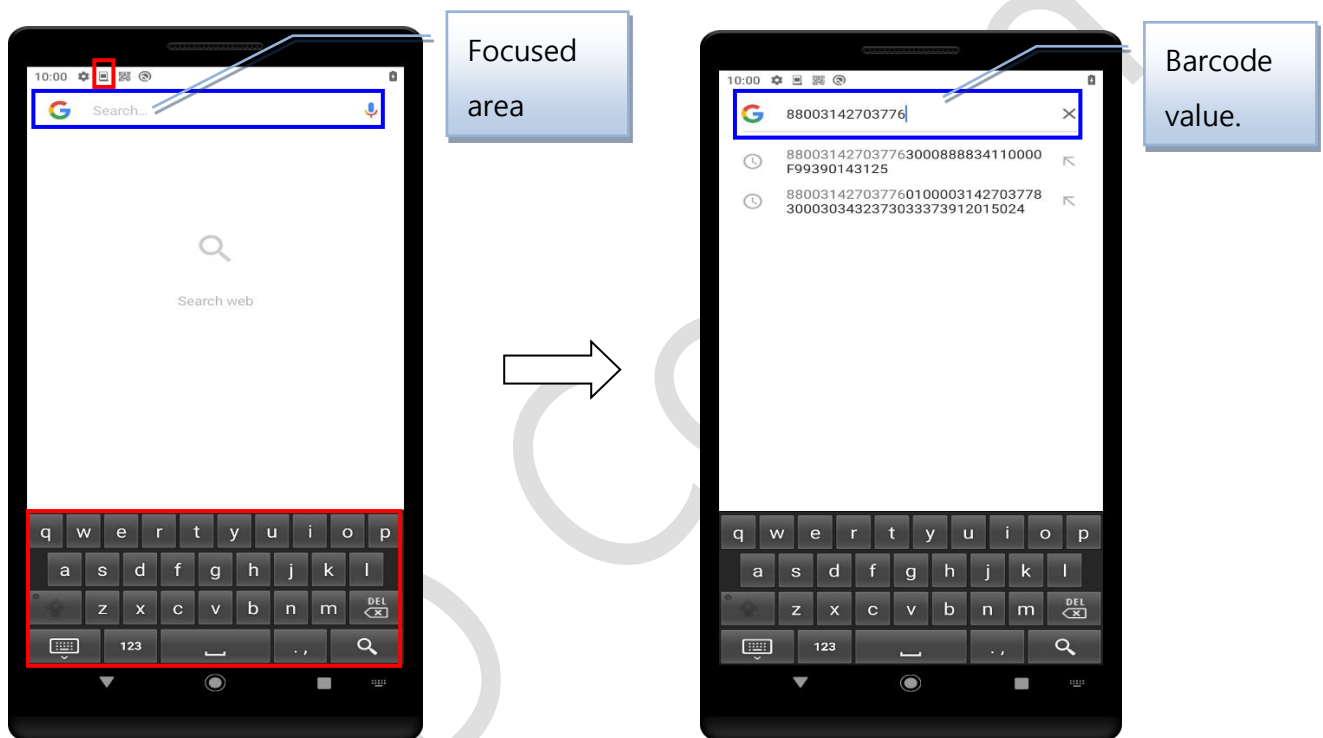
3.1. Reading RFID.


(Make sure that Keyboard wedge is enabled: observe the notification icon and keyboard wedge keyboard) Get a focus on any text field and scan the RFID Tag.



3.1.1 Reading Barcode

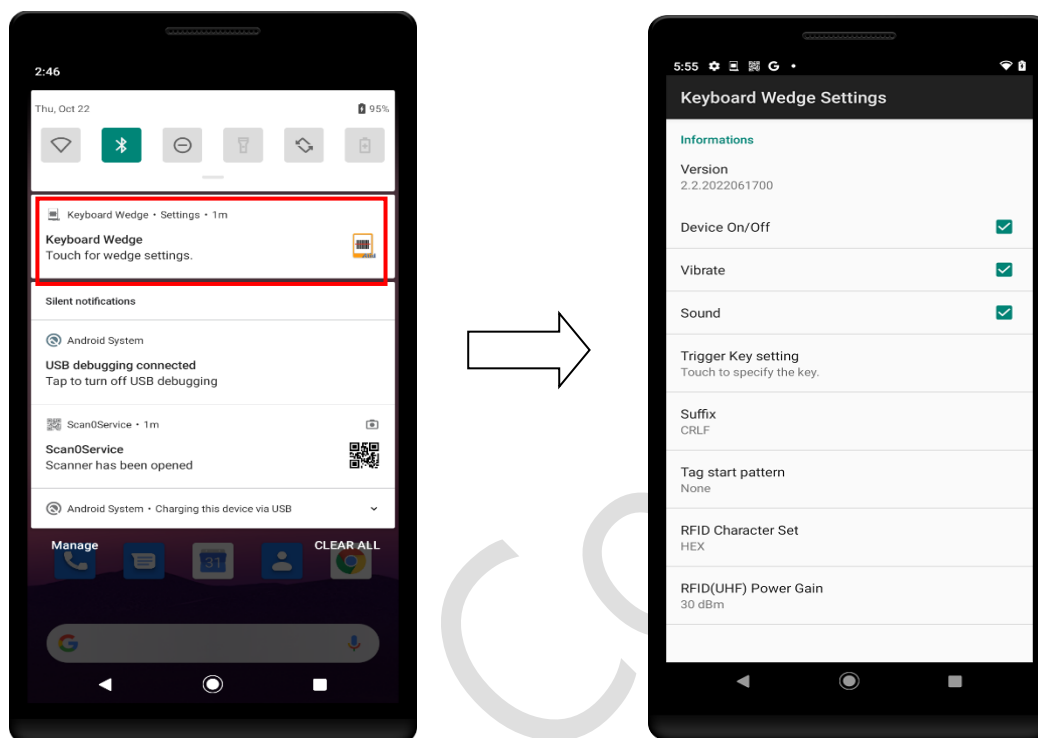
(Make sure that Keyboard wedge is enabled: observe the notification icon and keyboard wedge keyboard) Get a focus on any text field and scan the RFID Tag.




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3.2. Keyboard Wedge settings UI

3.2.1 Drag the top of the screen to enter the settings screen.



Label name	Description
Version	Version of keyboard wedge
Device On/Off	UHF Module power control option (power on/off).
Vibrate	Vibrate while reading RFID Tag
Sound	Beep sound while reading RFID Tag
Trigger Key setting	N/A
Suffix	Set up the Suffix (default is CRLF) for sending together with Tag data. ex) None, CRLF, Space, Tab
Tag start pattern	Display tag from the specific position (ex: actual tag value -> 123ABC7890, if tag start pattern is set to "ABC" -> inventory tag value will display as ABC7890)
RFID CharSet Name	Available format HEX/ASCII
RFID(UHF)Power Gain	Set Tx power of UHF module (default is 30dBm).

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4. Common Issues

4.1 Error in RFID Demo application.



If Keyboard Wedge is already running, RFID Demo app will through an error.

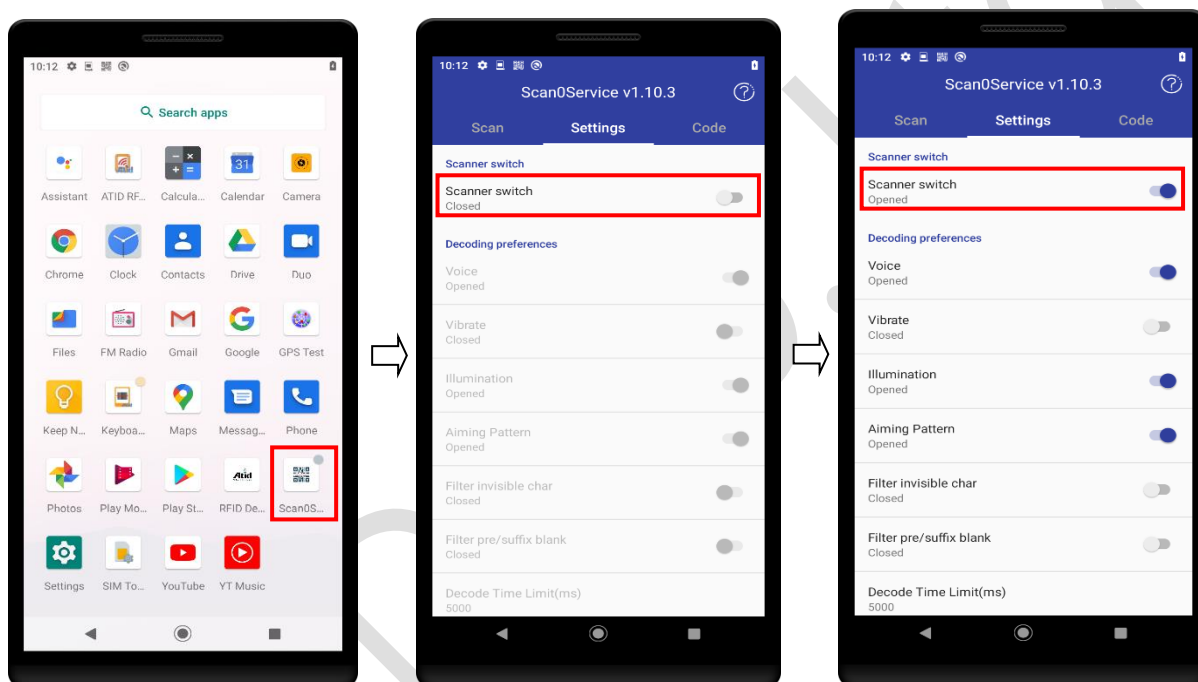
Note: make sure that Keyboard wedge is disabled before using RFID Demo application.

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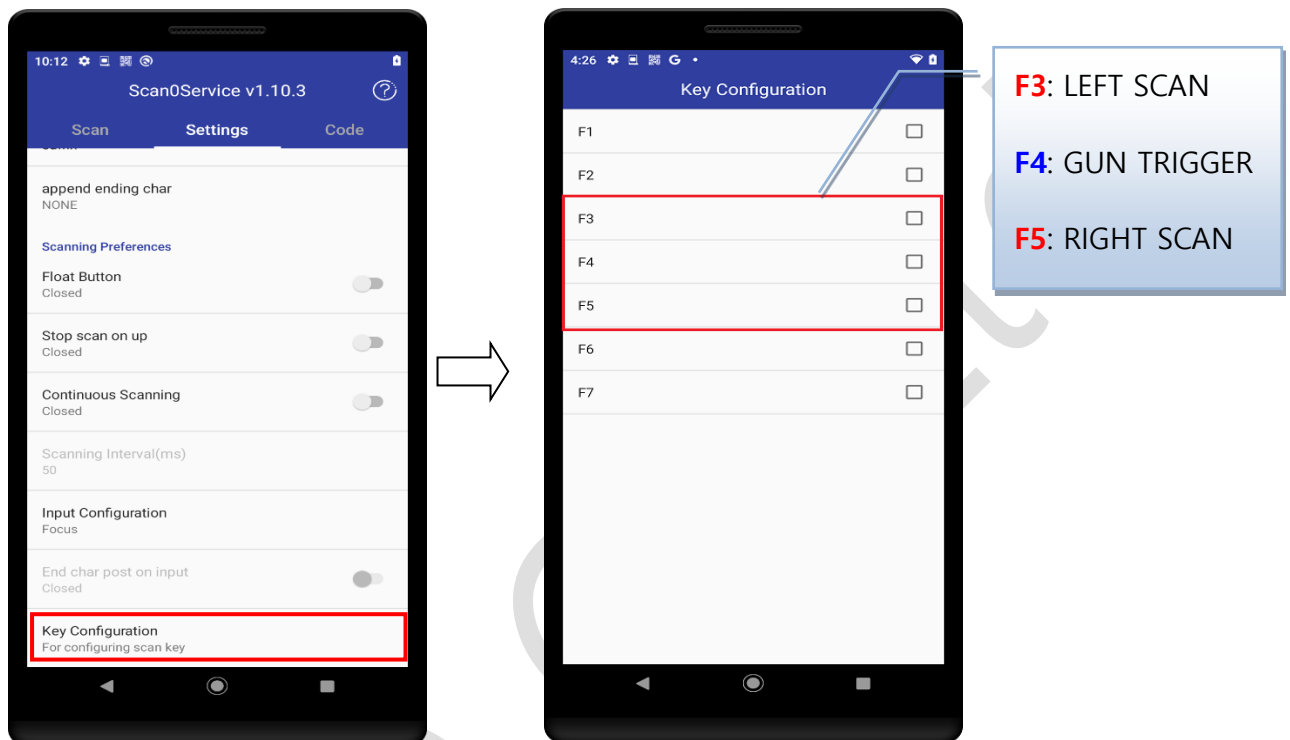
4.2 Barcode Beam upon LEFT/RIGHT key press.

When the keyboard wedge is enabled, LEFT key is mapped to trigger mode (Barcode ↔ RFID), If the barcode beam is ON do not be panic, please make sure the LEFT/RIGHT/GUN trigger keys are unchecked in the Barcode demo application.

<Home Apps> -> Scanner0Service v1.10.3 -> Scanner switch -> Key Configuration



Key Configuration Demonstration:



Application Name	Gun Trigger key status
Keyboard wedge	F3, F4, F5: Uncheck
Barcode Scanner Demo	F4, F5: check



Default trigger mode is RFID/UHF