



3nStar

One Brand, One Solution

Keyboard Emulator Operate Instruction

V2.1.8
2017-12-18

Catalog

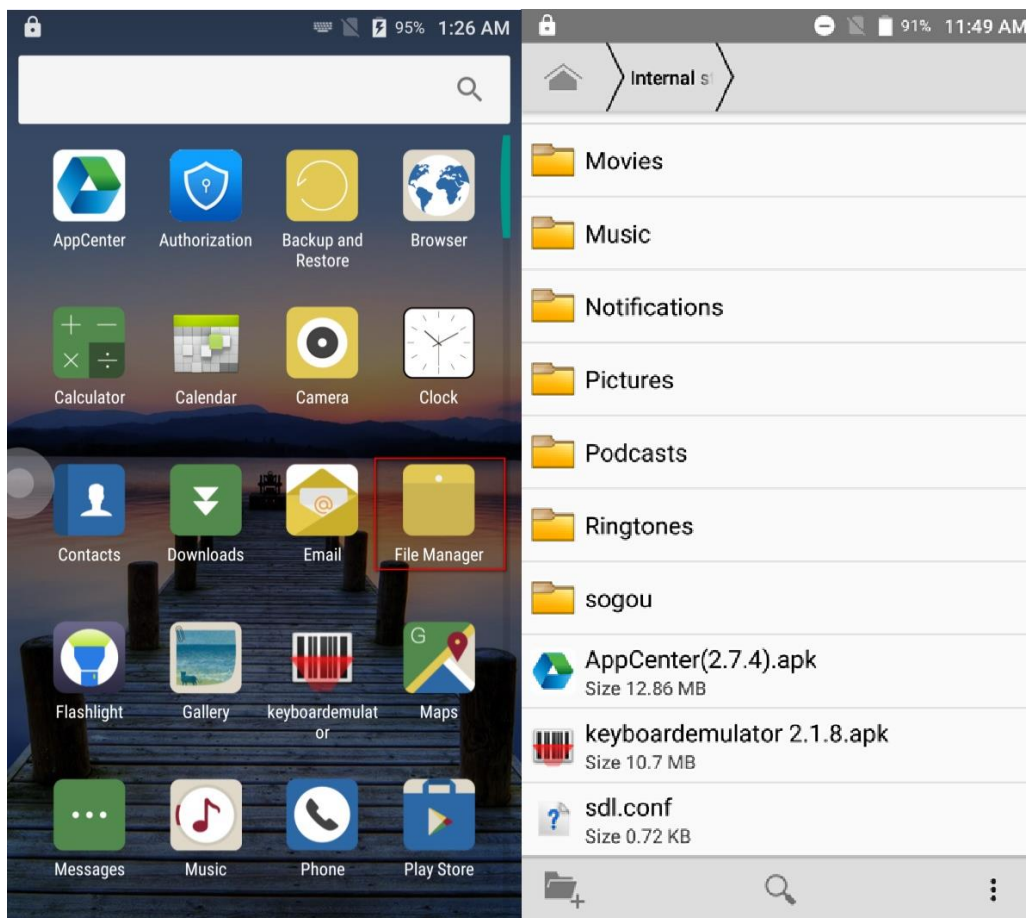
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1. Installation

1.1 Apk

Normally, Keyboard emulator apk has been copied in internal storage of the device.

Click “File Manager” and keyboard emulator can be found in “Internal storage”.



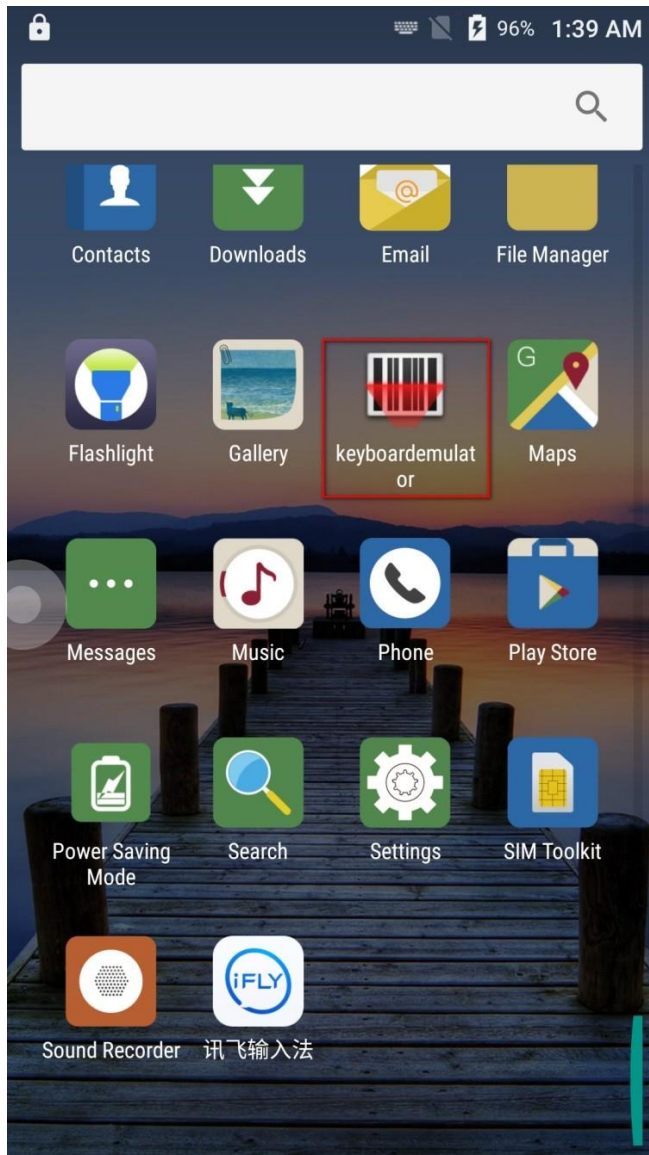
1.2 Updated Apk

For the new updated keyboard emulator please contact our technical service center.

Use computer to download keyboard emulator apk and connect handheld device through USB connection or Bluetooth for uploading.

2. Usage

Click icon “**keyboardemulator**” to enter the application and setup related functions as follows:



2.1 Function setup and keycode

In the function list, user can select supported function that can be realized by keyboard emulator. For example, if the device has equipped with 2D barcode scanning module, option “**Barcode2D**” should be selected for scanning 1D/2D barcode.

Click “Keycode” to acquire focus point, press button “SCAN”, then related key code will be entered on the line automatically.

Barcode	KeyCode
<input type="checkbox"/> Barcode1D	
<input checked="" type="checkbox"/> Barcode2D	278

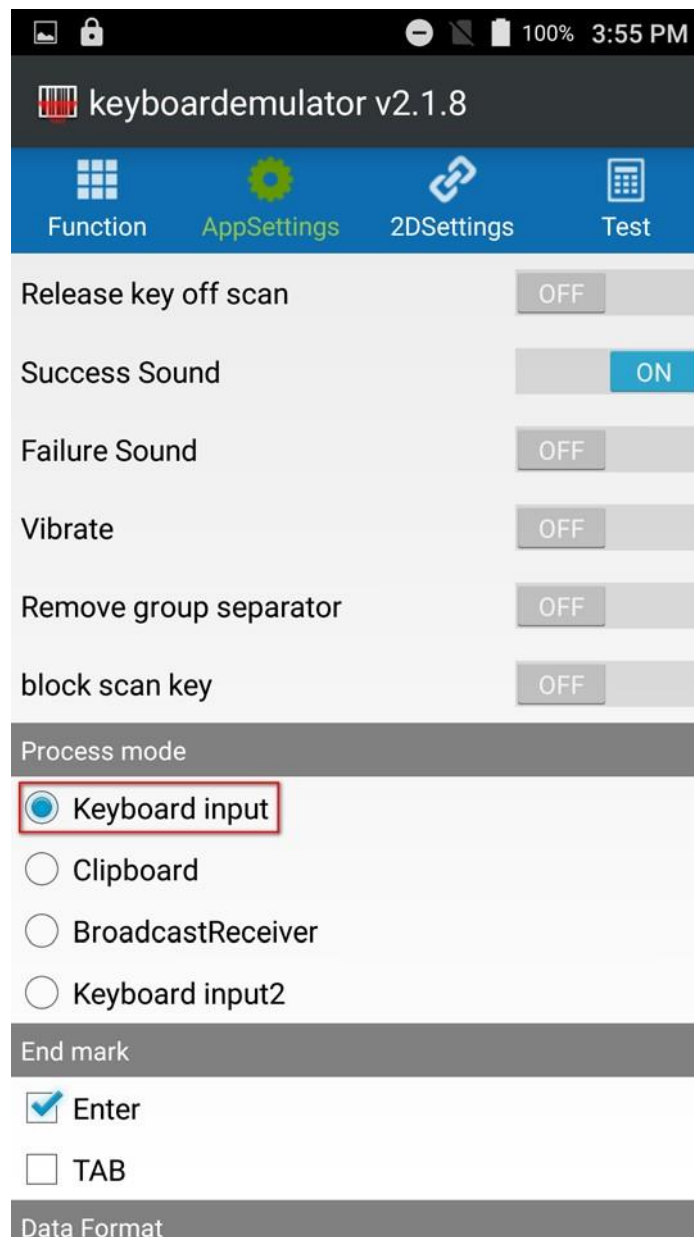
RFID	KeyCode
<input type="checkbox"/> 14443A	
<input type="checkbox"/> 15693	280

UHF	KeyCode
<input type="checkbox"/> UHF	280

LF	KeyCode
<input type="checkbox"/> IDCard	
<input type="checkbox"/> Animal	
<input type="checkbox"/> HiTag	
<input type="checkbox"/> HDX	280
<input type="checkbox"/> EM4450	
<input type="checkbox"/> TinyAniTag	

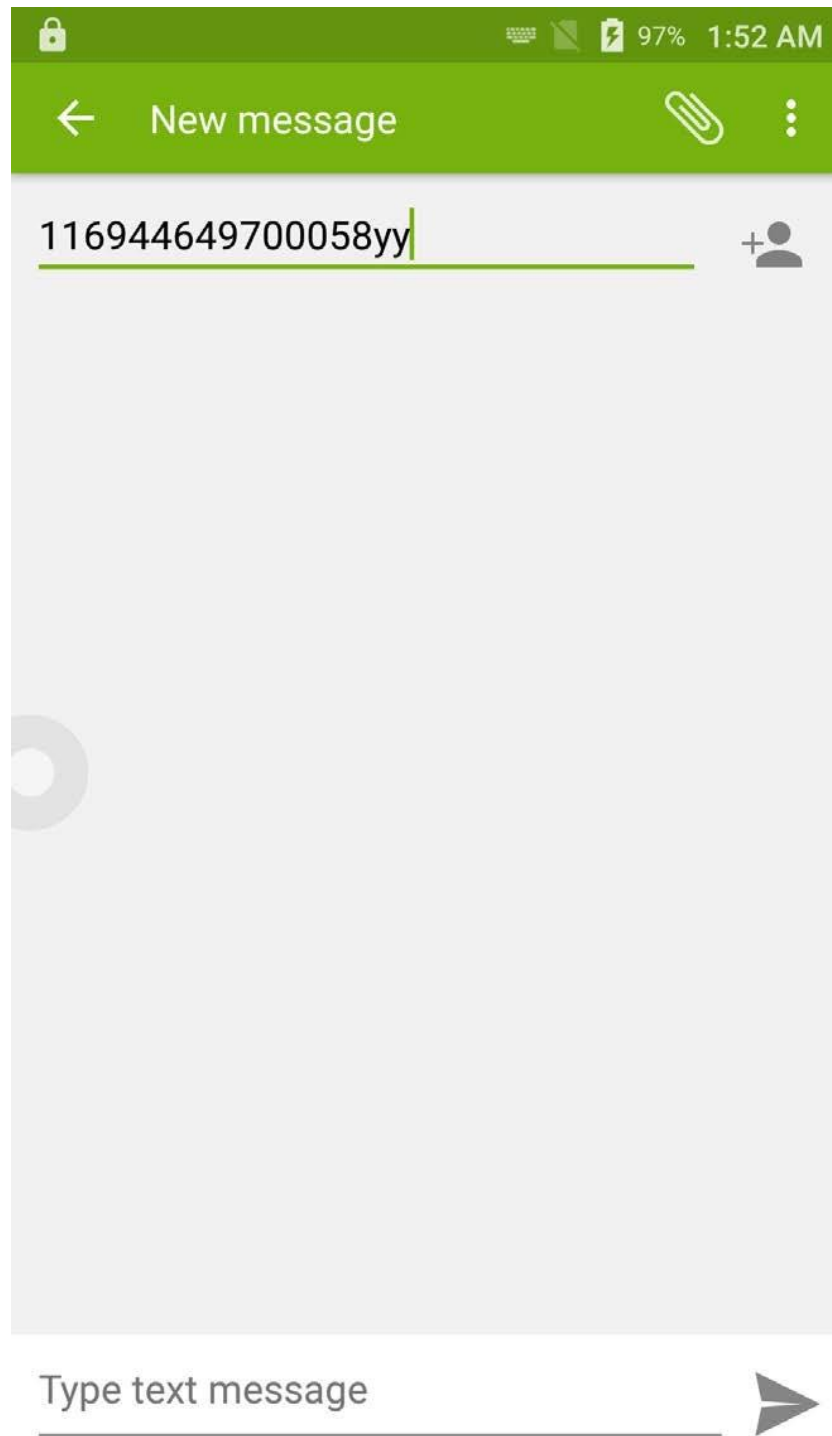
After the function has been bound with button, related function can be activated by pressing button.

2.2 Process mode

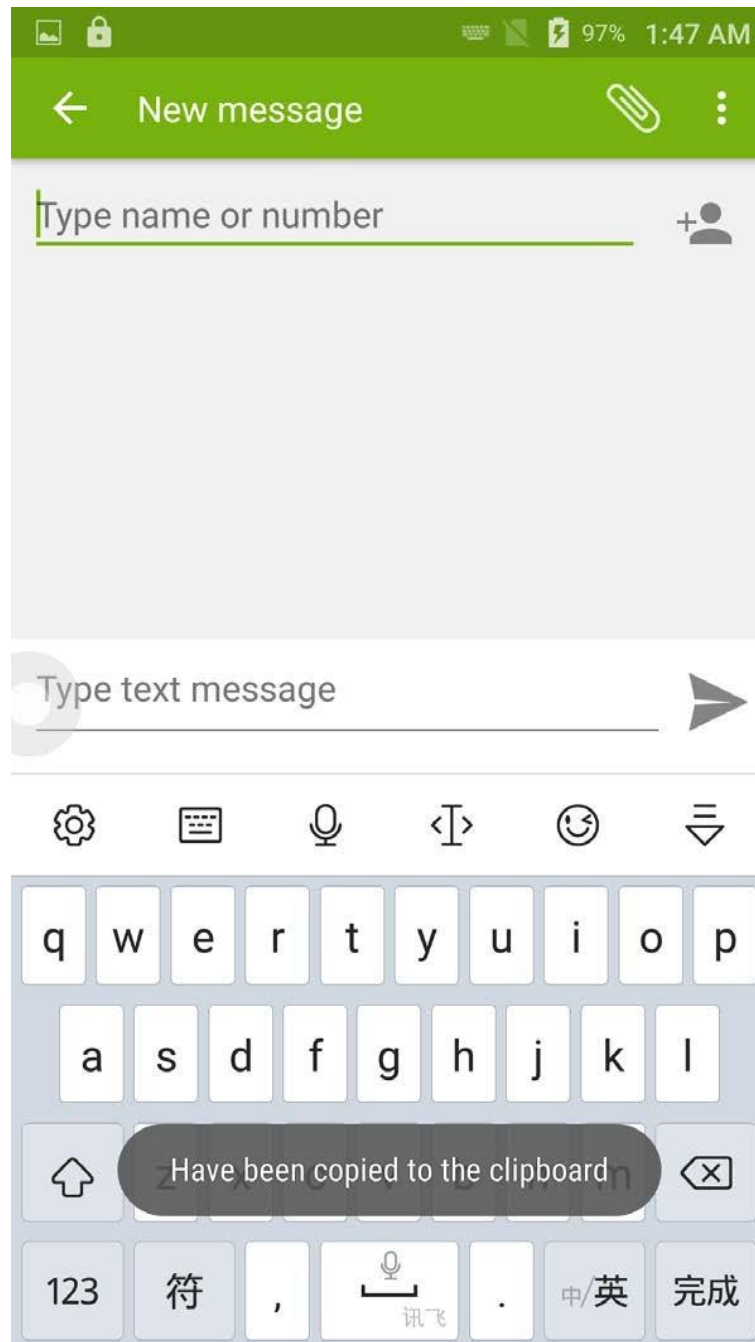


Process mode means how the data will be processed after barcode data has been read out.

Keyboard Input: enter read-out data in cursor position, it is same as input data on analog keyboard.



Clipboard: copy the read-out data on clipboard, paste data on the place that user needs.

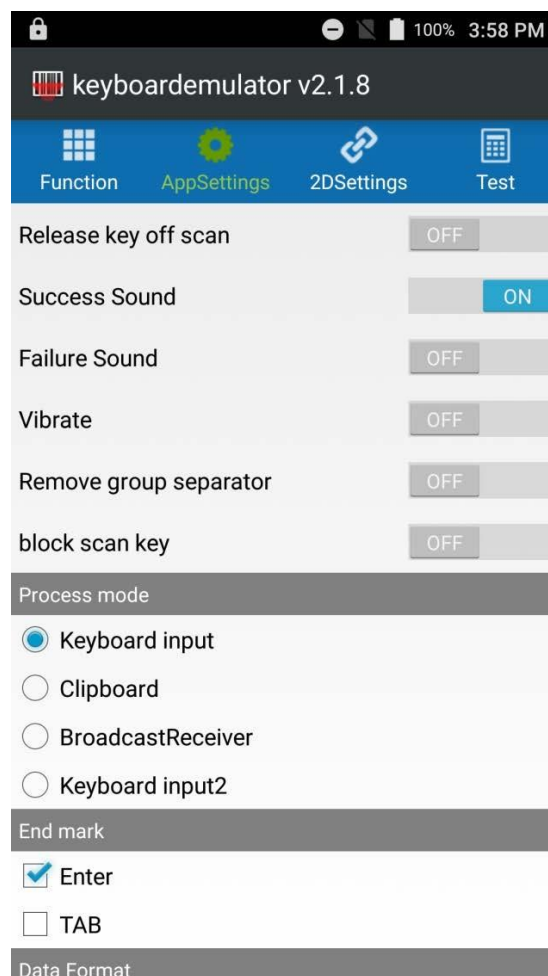


Broadcast Receiver: it is the method that using the broadcast mechanism of Android to transfer read-out barcode data to customer's program. In this way, the codes of API in SDK do not need to be written into customer software codes, read-out data can be acquired by registering broadcast and customer can operate read-out data according to logic requirement.

After select "Broadcast Receiver", "Broadcast name" and "Key" need to be adjusted.

Broadcast name: it is the broadcast name of acquired data in customer software.

Key: acquire the corresponding key designation of the broadcast.



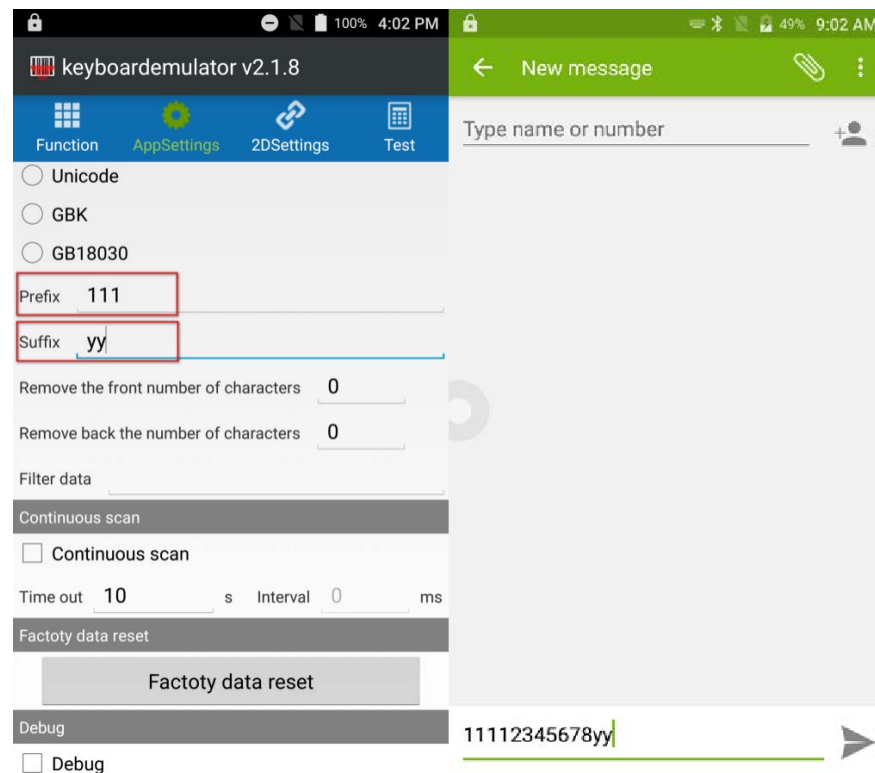
2.3 Additional information

The additional information means add extra data at front or rear on scanned barcode data.

“Prefix”: add data at the front of read-out data.

“Suffix”: add data at the rear of read-out data.

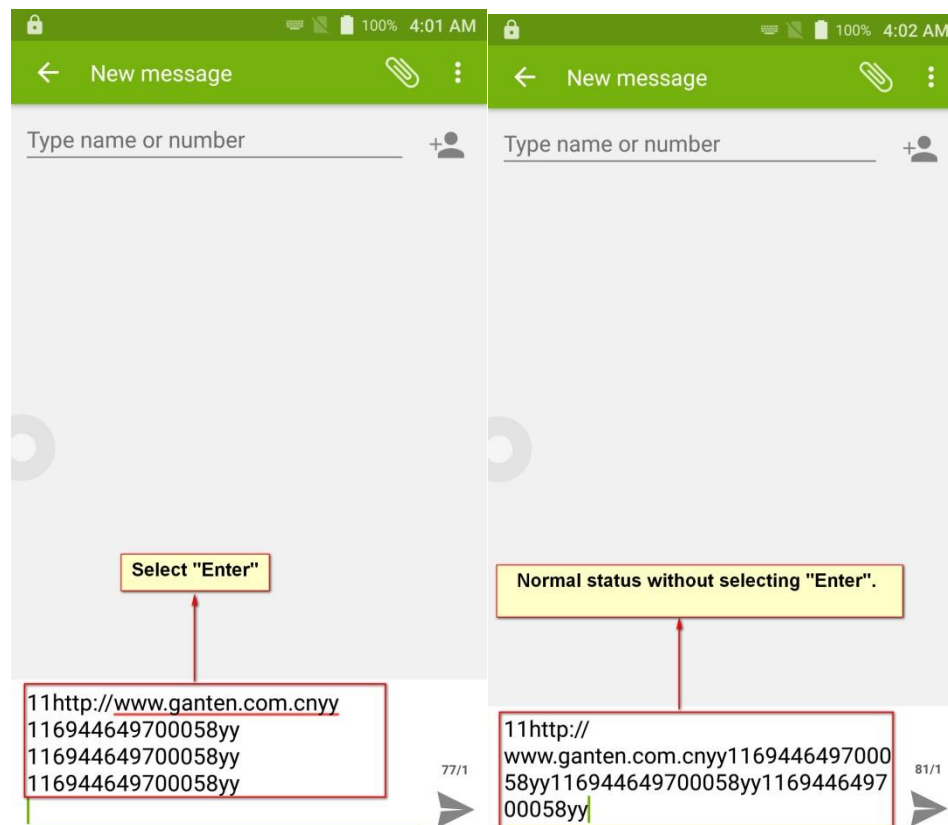
For example, if original read-out data is “12345678”, prefix will be modified as “111” and suffix will be modified as “yy”, the final data will display “11112345678yy”.



2.4 End mark

The end mark means add specific mark at the end of read-out data.

Enter: select “Enter”, after barcode data has been read, cursor will move to next line.



Tab character: after barcode data has been read out, add tab character “\t” at rear, when data has been acquired in Excel, cursor will move to next cell. The functional process of software is necessary to realize it.

2.5 Continuous scan setup

keyboardemulator v2.1.8

Function AppSettings 2DSettings Test

☐ Unicode
☐ GBK
☐ GB18030

Prefix

Suffix

Remove the front number of characters

Remove back the number of characters

Filter data

Continuous scan

☐ Continuous scan

Time out s Interval ms

Factory data reset

Debug

☐ Debug

Select continuous scan, user can adjust the interval and time out.

2.6 Enable scanner

After all previous functions have been adjusted, click “Enable scanner” to switch on scanner, now user can use all the functions of keyboard emulator.

The screenshot shows the 'keyboardemulator v2.1.8' app interface. At the top, there's a status bar with a lock icon, a battery icon at 100%, and the time 4:11 PM. Below the title bar, there are four tabs: 'Function' (highlighted in green), 'AppSettings' (gear icon), '2DSettings' (link icon), and 'Test' (calculator icon). The 'Enable Scanner' toggle is highlighted with a red box and is currently set to 'ON'. Below this, there are several sections for different scanner types, each with a 'Barcode' or 'RFID'/'UHF'/'LF' header and a 'KeyCode' column.

Barcode	KeyCode
<input type="checkbox"/> Barcode1D	278
<input checked="" type="checkbox"/> Barcode2D	278

RFID	KeyCode
<input type="checkbox"/> 14443A	280
<input type="checkbox"/> 15693	

UHF	KeyCode
<input type="checkbox"/> UHF	280

LF	KeyCode
<input type="checkbox"/> IDCard	
<input type="checkbox"/> Animal	
<input type="checkbox"/> HiTag	
<input type="checkbox"/> HDX	280
<input type="checkbox"/> EM4450	
<input type="checkbox"/> TinyAniTag	