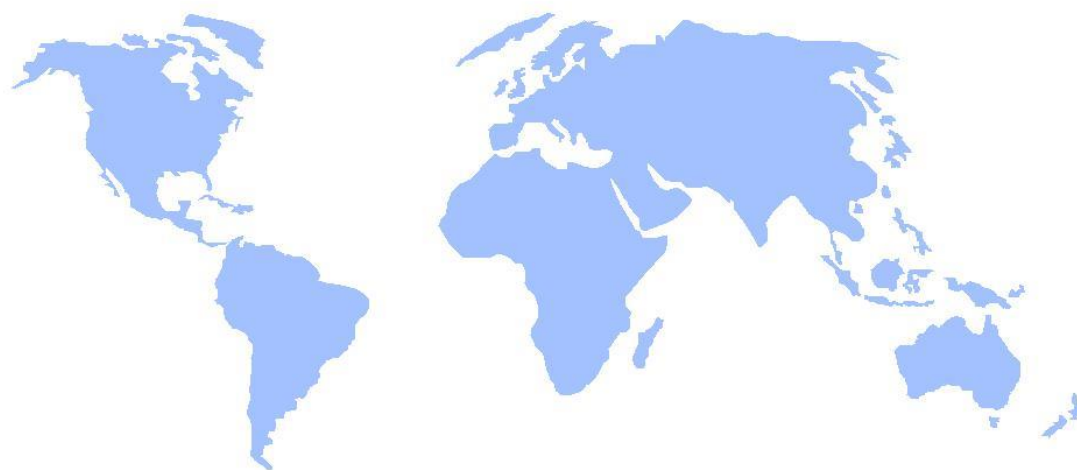




Android Scan Service Interface Settings



Revision record

Version	Revision date	Revision content	Revision staff
1.0	2015/09/21	Create this document	Mr Xu

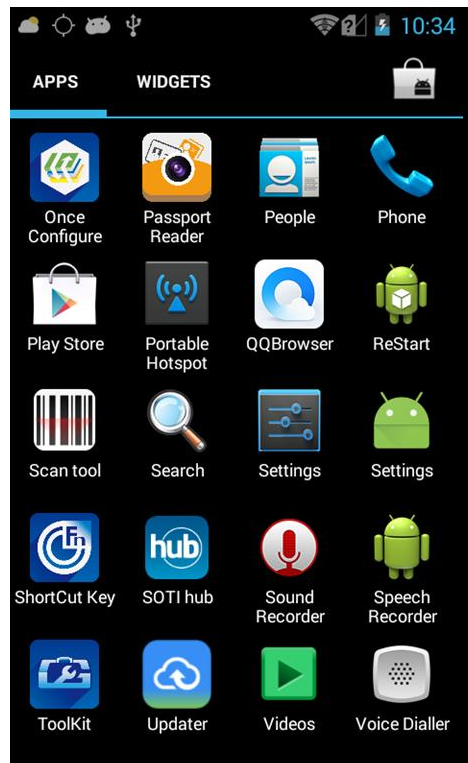
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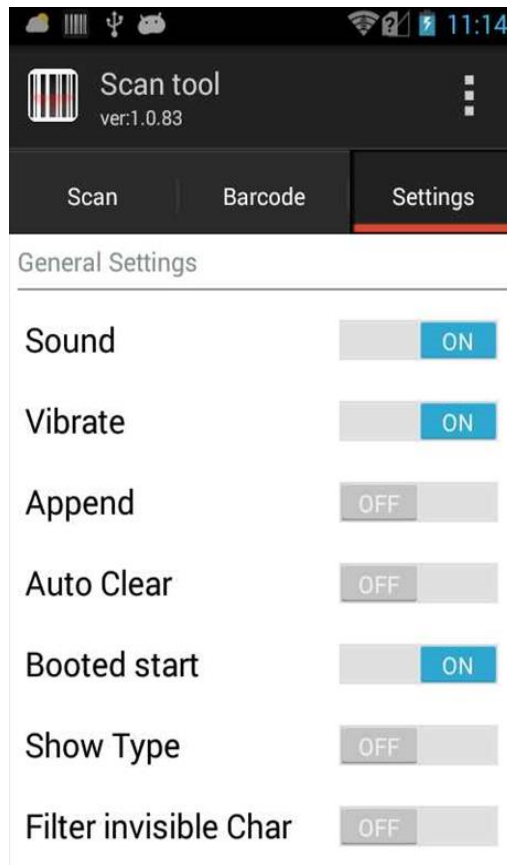
1. How to set up broadcast

1.1 Set Scan Tool

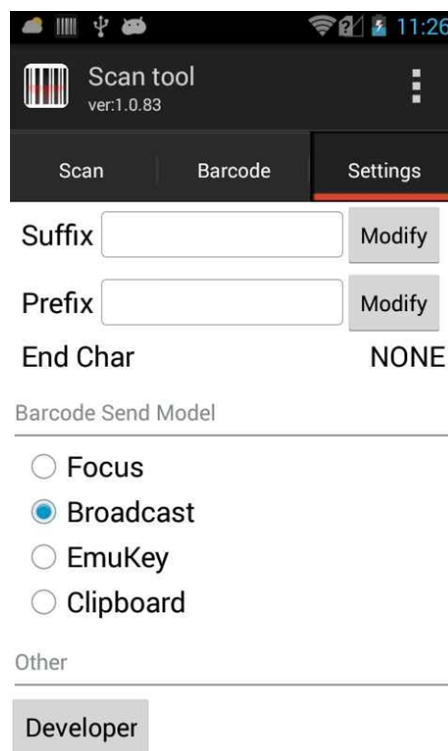
Find "Scan Tool" in the following figure"



Then open“Scan Tool”,find“settings” option;

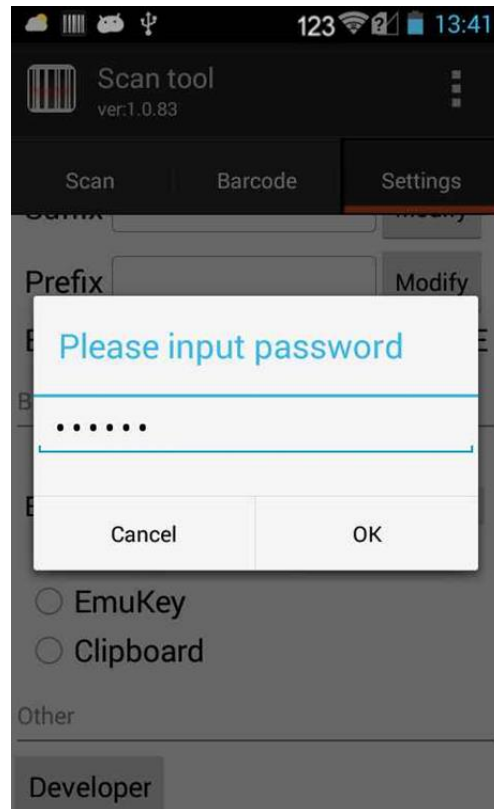


Set according to the figure above. And then slide down the interface, change Barcode Send Model to“Broadcast”;



1.2 Scan Tool broadcast option

And then click the "Developer" button, enter "888888"



Broadcast name can be defined on this interface. If the user uses the default broadcast name, the data you scan will be sent to the application focus by default. If the user modifies the broadcast name here, data will not be sent to the application focus. (Send to the focus will appear: The text box that is not assigned to the value appears the data you scan). We suggest the user modify the broadcast name here, click "save", and then process the received broadcast in the application.

Broadcast name: "Scan Tool" sent by the broadcasting name;
Key value name: "Scan tool" to send a broadcast and carry the corresponding bar code information key value;
Start scanning broadcast: The "Scan Tool" receives the broadcast you start to scan and performs a scan operation. Generally not used;
Stop scanning broadcast: The "Scan Tool" receives the broadcast of stopping scanning and immediately close the scan engine to stop scan operation. Generally not used;

Developer

Broadcast

Broadcast name

com.android.server.scannerservice.hayao.broadcast

Key name

scannerdata

Action on start scan

com.scan.onStartScan

Action on stop scan

com.scan.onEndScan

Default broadcast add enter event after barcode ☐ OFF

Default Save

And then click on the "return key" in the lower right corner of the device screen or "hide" in the menu key for the menu application (Note that not to click the "exit" on the menu key of the application"), back to the main interface of the device.

2. How to call broadcast in the application

2.1 Define broadcast string

```
private static final String SCANACTION =
"com.android.server.scannerservice.broadcast";
```

2.2 Register broadcast event:

```
@Override
protected void onResume() {
    super.onResume();
    // Register broadcast receiver
    IntentFilter intentFilter=new IntentFilter();
    intentFilter.addAction(SCANACTION);
```

```

        intentFilter.setPriority(Integer.MAX_VALUE);
        registerReceiver(scanReceiver,intentFilter);
    }

    private BroadcastReceiver scanReceiver=new BroadcastReceiver(){
        @Override
        public void onReceive(Context context, Intent intent) {
            if (intent.getAction().equals(SCANACTION)) {
                String code = intent.getStringExtra("scannerdata");
                etCode.setText(code);
            }
        }
    };

```

2.3 Cancel broadcast event

```

@Override
protected void onPause() {
    super.onPause();
    // Unregister broadcast
    unregisterReceiver(scanReceiver);
}

```

3. Service interface in the Scan Tool

3.1 Overview

We provide a built-in scan service on the device, also provide the corresponding settings software, but some customers have the demand for customized scanning services in their own applications. This document describes how to use the interface to set the scan service part of the option in order to help users use our equipment more flexibly.

3.2 Hardware platform

SDK applies to the following terminal device:

- D500 (A9)
- D510 (Apad)

- D330S (A6L-P)

The specific scope of use is specified in the function interface description. If not specified, then: all support.

3.3 Software platform

SDK is based on the Android 4.3 version, support for eclipse development tool.

3.4 Applicable object

Developers want to customize scan service in their applications.

3.5 Scan service settings

Scan service settings support the following function:

- Scan sound switch
- Vibration switch
- Continuous scan switch
- Time interval setting
- Bar code prefix parameter setting
- Bar code suffix parameter setting
- Booted start setting
- End Char setting
- Barcode Send Model setting
- Barcode broadcast setting

Version requirement: Scan Tool 1.0.67 and higher, some settings 1.0.69 and higher.

Remark: Support for various settings on a broadcast

Scan sound switch

action	com.android.scanner.service_settings
extra	sound_play
Value	Boolean type, true or false

Example:

```
Intent intent = new Intent("com.android.scanner.service_settings");
intent.putExtra("sound_play", true);
sendBroadcast(intent);
```

Vibration switch

action	com.android.scanner.service_settings
extra	vibrate
Value	boolean type, true or false

Example:

```
Intent intent = new Intent("com.android.scanner.service_settings");
intent.putExtra("vibrate", false);
sendBroadcast(intent);
```

Continuous scan switch

action	com.android.scanner.service_settings
extra	scan_continue
Value	boolean type , true or false

Example:

```
Intent intent = new Intent("com.android.scanner.service_settings");
intent.putExtra("scan_continue", true);
sendBroadcast(intent);
```

Time interval setting

action	com.android.scanner.service_settings
extra	interval
Value	int type

Example:

```
Intent intent = new Intent("com.android.scanner.service_settings");
intent.putExtra("interval", 3000);
sendBroadcast(intent);
```

Bar code prefix parameter setting

action	com.android.scanner.service_settings
extra	prefix
Value	String type, " " by default

Example:

```
Intent intent = new Intent("com.android.scanner.service_settings");
intent.putExtra("prefix", "");
sendBroadcast(intent);
```

Bar code suffix parameter setting

action	com.android.scanner.service_settings
extra	suffix
Value	String type, " " by default

Example:

```
Intent intent = new Intent("com.android.scanner.service_settings");
intent.putExtra("suffix", "");
sendBroadcast(intent);
```

Booted start setting

action	com.android.scanner.service_settings
extra	boot_start
Value	boolean type , true or false

Example:

```
Intent intent = new Intent("com.android.scanner.service_settings");
intent.putExtra("boot_start", true);
sendBroadcast(intent);
```

End Char setting

action	com.android.scanner.service_settings
extra	endchar
Value	Attached end char after the bar code , string type ,note Case size, Support the following : <ul style="list-style-type: none">● "ENTER": Enter● "TAB": TAB● "SPACE": Space● "NONE": No end char

Example:

```
Intent intent = new Intent("com.android.scanner.service_settings");
intent.putExtra("endchar", "ENTER");
sendBroadcast(intent);
```

Barcode Send Model setting

action	com.android.scanner.service_settings
extra	barcode_send_mode
Value	Barcode Send Model when scan services have scanned barcode, string type, note Case size, Support the following: <ul style="list-style-type: none">"FOCUS": Focus"BROADCAST": Broadcast"EMUKEY": Simulation key"CLIPBOARD": Clipboard

Example:

```
Intent intent = new Intent("com.android.scanner.service_settings");
intent.putExtra("barcode_send_mode", "BROADCAST");
sendBroadcast(intent);
```

Barcode broadcast setting

Bar code broadcast name

action	com.android.scanner.service_settings
extra	action_barcode_broadcast
Value	String type , default is : "com.android.server.scannerservice.broadcast"

Barcode key value name

action	com.android.scanner.service_settings
extra	key_barcode_broadcast
Value	String type,default is : "scannerdata"

Example:

```
Intent intent = new Intent("com.android.scanner.service_settings");
intent.putExtra("action_barcode_broadcast",
    "com.android.server.scannerservice.broadcast");
intent.putExtra("key_barcode_broadcast", "scannerdata");
sendBroadcast(intent);
```