

7003 Scan Manual

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1. Document version

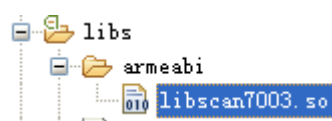
Data	version	author	audit	note
2016-6-1	1.0	chen	edasion	First version
2016-6-27	1.1	chen	edasion	add build development environment of android stuido

2. Build development environment

2.1 Eclipse

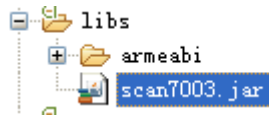
2.1.1 Load dynamic library

In your Android Project, In the libs folder to create a armeabi folder,put libscan7003.so in,as shown in the figure.



2.1.2 Load jar file

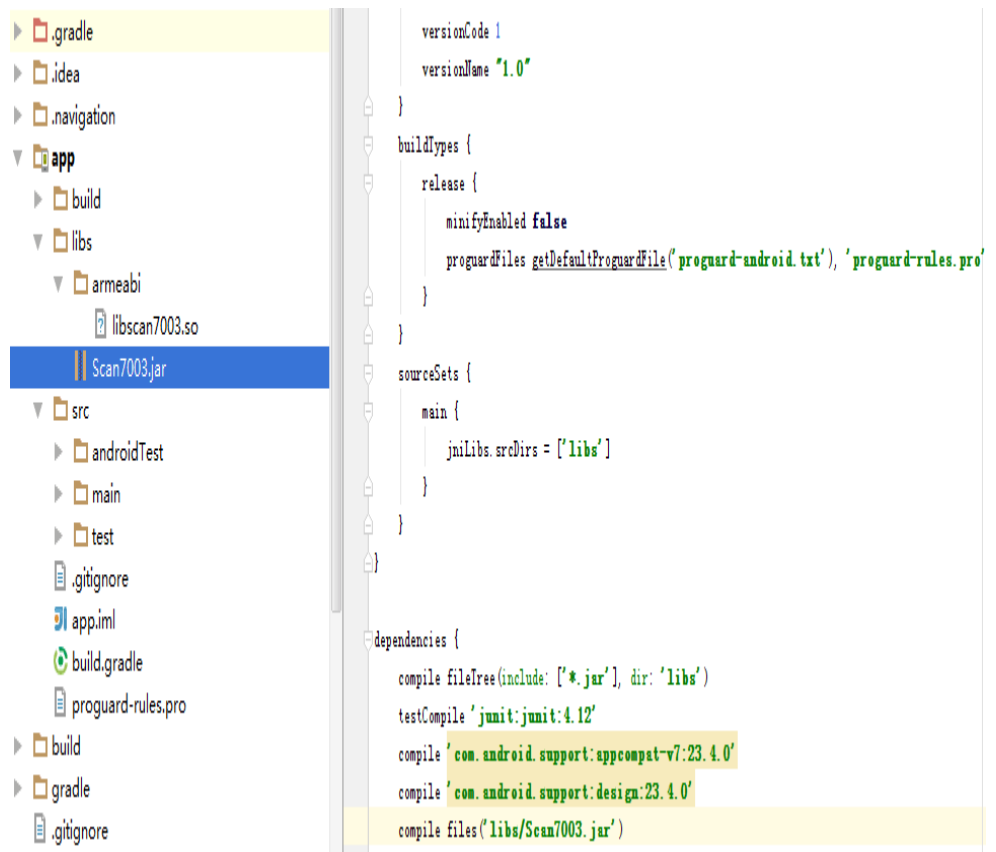
Put scan7003.jar into the libs, as shown in the figure.



2.2 Android_studio

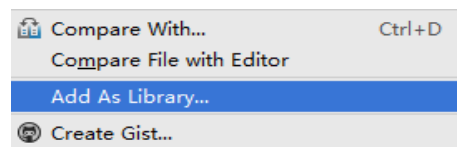
2.2.1 Load dynamic library

In your Android Project, In the libs folder to create a armeabi folder,put libscan7003.so in, and in build.gradle file add sourceSets { main {jniLibs.srcDirs=['libs'] } }, as shown in the figure.



2.2.2 Load jar file

Put scan7003.jar into the libs, in scan7003.jar right click the mouse and Select menu -> add as library jar file,as shown in the figure.



3. Use Scan

3.1 Create Scan

```
Scan scan = new Scan();
```

3.2 Open Scan

scan.open(); if this operation is successful,you can use the scan.scan() to scan onebar code or twobar code.

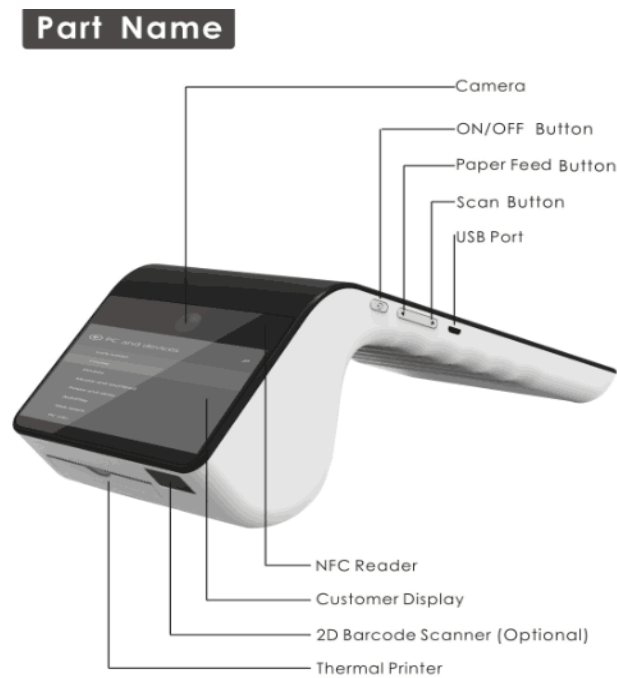
3.3 Close Scan

One thing is very important,if you no longer use the

scan,you must call `scan.close()` to close scan,or it will consume electricity and reduced life.

3.4 Scan button

There is scan button on 7003 machine, as shown in the figure.



You can scan one bar code or two bar code by this button,you do not loosen the scan button until scan information when it take sound 'di',at the same time,it will sent a message "android.scan7003.info" ,in your app,you can register a Receiver to receive this message,and get scan information by function — `getStringExtra("result")`.

```

IntentFilter filter = new IntentFilter();
filter.addAction("android.scan7003.info");

mSdcardReceiver = new BroadcastReceiver(){

    @Override
    public void onReceive(Context arg0, Intent arg1) {
        // TODO Auto-generated method stub

        if (arg1.getAction().equals("android.scan7003.info")) {

            String scan_info = arg1.getStringExtra("result");

            Log.d("TAG", scan_info);

        }

    }

};

registerReceiver(mSdcardReceiver, filter);

```

4. Scan interface function

4.1 Function list

In scan7003.jar,it provides four function interface to you use scan,refer to following table:

no	name	description
1	open	Open scan
2	close	Close scan
3	scan	Start scan
4	getVersion	Get version

4.2 function description

4.2.1 open

function:

```
public int open();
```

description:

Open scan.

In parameter:

no

out parameter:

no

return value:

-1: fail

0: success

4.2.2 clsoe

function:

```
public int close();
```

description:

Close scan.

in parameter:

no

out parameter:

no

return value:

-1: fail

0: success

4.2.3 scan

function:

```
public String scan(int time);
```

description:

Call this function ,start scan onebar code or
twobar code.

in parameter:

time: 0 — the Scan will not stop work
until close it or scan
information.

>0 — timeout parameter, in
milliseconds.For
example ,you set this
value to 1000, if within 1
second not scan any
information,it will stop

work.

out parameter:

no

return value:

null : not scan any information

String : scan information

4.2.4 getVersion

function:

static public String getVersion()

description:

Get version of this SDK,note: this
function is static

in parameter:

no

out parameter:

no

return value:

String: SDK version